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Mortality and causes of death in South Africa, 2003 and 2004

Findings from death notification

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Mortality and causes of death in South Africa, 2003 and 2004: Findings from death notification

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Preface

This statistical release presents mortality and causes of death data based on all death notification forms received from the Department of Home Affairs for the years 2003 and 2004. The last release on this topic had incomplete 2003 data. This release is therefore based on more complete data for 2003.

Some reference is made in the release to 1997–2002 mortality data based on data updated with forms received in the current year of processing and improvements in the determination of stillbirths in order to make the information for the eight years (1997-2004) comparable.

It should be noted that as in the case of the 1997–2003 mortality and causes of death in South Africa release (Stats SA 2005), this release also employed strict coding procedures, based on a principle of 'what you see is what you code'. Moreover, an automated procedure was used to determine the underlying cause of death.

Pali Lehohla
Statistician-General

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1. Introduction

1.1 Background

The systematic collection of mortality data in South Africa is a recent phenomenon. It is widely acknowledged that the vital registration system for Africans was virtually non-existent under the apartheid government (Botha & Bradshaw, 1985). The democratic government of post-apartheid South Africa recognised the importance of mortality and causes of death statistics and prioritised the collection of reliable mortality data. Initiatives to improve the quality of data have resulted in a dramatic improvement of the death registration system in South Africa over the last decade.

Accurate mortality statistics are needed for policy and planning, implementation and the monitoring of health interventions aimed at increasing life expectancy and improvements in health. The level of mortality is one of the indicators of the well-being and health status of a population hence its inclusion, among others, in the construction of human development indices, the Millennium development goals and in the multi-dimensional approach to the measurement of poverty.

Statistics South Africa has a mandate to publish vital statistics based on deaths reported to the department of Home Affairs. Stats SA published the *Advance release of recorded causes of death, 1997–2000*, based on information from the population register, to meet the growing need for up-to-date information on mortality. Prior to that, the report on recorded deaths for 1996 provided little insight into the causes of death contributing to the apparent increase in mortality. In 2002, Stats SA accelerated the processing of death notification forms (DNFs) for the period 1997 to 2001 and published a statistical release entitled *Causes of death in South Africa 1997–2001: Advance release of recorded causes of death*, based on a 12% sample of forms. This report demonstrated a fast-changing profile of mortality in the country.

From early 2003, Stats SA continued addressing the seven-year backlog and published the first release based on all the DNFs received from the Department of Home Affairs for the seven years 1997 to 2003 (Stats SA, 2005). Subsequent to addressing the seven-year backlog, this release is now part of a regular series by Stats SA on mortality and causes of death in South Africa.

Several technical terms are used in this release. The definitions of these terms are provided in Appendix A.

1.2 Aims and objectives of this statistical release

This release has three main aims:

- To outline emerging trends, differentials and patterns of mortality by selected demographic and geographic characteristics for the period 2003 to 2004.
- To present statistics on the causes of death in 2003 and 2004, based on information from the death notification forms. The main focus is on the underlying causes of death, as this information is what is used for public health interventions.
- To provide contextual information on the data and methods used in order to support further specialist analysis of the data available through the death notification forms.

1.3 Scope and limitations of this statistical release

This release is based on the information that had reached Stats SA during the 2005–2006 processing phase. Despite improved death registration in South Africa, particularly the introduction of a new death notification form in 1998, there are still some limitations that affect the quality of the information and overall coverage of deaths.

Some factors limiting the accuracy and completeness of data obtained from the death notification forms are:

- The data from death notification forms is subject to content errors and omissions. Even though provision is made on the death notification form to record marital status, education, occupation, and industrial sector in which the person worked, these variables have not been analysed in this release, due to lack of completeness. Location of death could be provided at the level of province only.
- Another limitation of the data used in this study is the probable under-registration of deaths, particularly in rural areas, and of children. This leads to lower estimates of the total number of deaths that have occurred in the country and may lead to an under-estimation of some causes of death. Thus, it is not possible to calculate mortality rates using this data without first adjusting for the incompleteness of reporting. Deriving estimates of completeness of death registration in the country is a complex issue and is not part of this release. However, the report provides an indication of completeness of the information published for 1998 to 2004.
- The causes of death may also be misreported on the form. This happens when an incorrect cause of death is given or when the cause of death is not detailed (i.e. an ill-defined cause of death). The quality of the reported information is determined largely by the diligence and integrity of the certifying official – physician, professional nurse or in some rural areas traditional headman. For example, the certifying officials sometimes write ‘natural causes’ instead of stating the actual cause.

Extensive assessment of the quality of the information reported on the death notification forms is beyond the scope of this release, and no adjustments were made for misclassification of underlying causes of death due to inadequacies of certification. The release just provides an overview of the completeness of published information.

This release covers mortality and causes of death broadly, and hence does not focus specifically on HIV and AIDS. It does, however, provide indirect evidence that HIV may be contributing to the increase in the level of mortality for prime-aged adults given the increase in the number of deaths due to associated diseases. The data captured through this exercise can contribute to detailed studies in which the incidence of deaths due to AIDS-related conditions is estimated.

1.4 Organisation and presentation of this release

The remainder of this release is arranged as follows.

Section 2 describes the data and methods used to estimate the results in this release. Issues related to the completeness of the processed information and other aspects of data quality are discussed. The section also provides an overview of the data processing and the methods used to determine the underlying causes of death.

Section 3 reports on the overall levels, patterns, and trends of mortality. Specific emphasis is placed on age, sex, and geographic differences.

Section 4 provides information on the underlying causes of death. The analysis distinguishes between natural and non-natural causes of death and then focuses on the leading underlying causes of death in each category. Information on multiple causes of death is also included.

Concluding remarks are presented in Section 5.

2. Data and methods

2.1 Data

Data source

This release is based exclusively on information recorded on the death notification forms, as received from the Department of Home Affairs (DHA), for the period 1997 to 2004. In 1998, a new form (Form BI-1663) was introduced. This form replaced the BI-7 and BI-12 forms that were previously used. An example of the new death notification form (Form BI-1663) is shown in Appendix B.

During the previous processing phase, only 454 603 valid forms were received from the DHA for 2003. According to the DHA, there are often delays in sending death notification forms from the provinces to head office. It is for this reason that the current processing phase processed additional forms received after the previous release. Subsequent to the processing of 2003 and 2004 valid death notification forms, there were in total, 552 825 and 567 488 forms for 2003 and 2004 forms respectively which were established as valid cases of death to be used in this publication (see Table 2.1).

Table 2.1: Valid cases of death

Death year	Number of duplicates removed after capturing	Valid forms	Stillbirths	Final number of valid cases of death
2003	1 986	567 436	14 611	552 825
2004	1 793	582 932	15 444	567 488
Total	3 779	1 150 368	30 055	1 120 313

Overall, 30 055 stillbirths were found for the period. Although stillbirths are reported on the same form as deaths, they are not included in the analysis as they fall outside the official definition of death.

It should also be noted that the number of deaths captured by Stats SA from the forms received is not identical to the number of deaths on the population register for the same period. People without identification numbers are not recorded in the population register. Table 2.2 shows the number of deaths for each year according to the population register compared with the number of valid forms for 2003 to 2004. It is important to note that the deaths from the population register are based on date of death registration and not on date of death. Table 2.2 therefore provides only an estimate of deaths after extraction from the population register based on the date of death. These were the figures available to Stats SA at time of publication and are provided to indicate the relationship between the population register and the published deaths. The table shows that there was a relatively small increase in the number of deaths in the population register between 2003 and 2004. This was also the case for the number of valid forms.

Table 2.2: Number of deaths for each year of death according to the population register and according to the valid forms: 2003 and 2004

Death year	Number of deaths according to	
	Population register	Valid forms used for tabulation
2003	484 332	552 825
2004	513 931	567 488

Completeness of information

The registration of deaths has improved significantly over the last decade as a direct result of the government's efforts to improve the vital registration system. Estimates of the completeness of adult death registration suggest that the completeness of the death register increased to about 90% for adult deaths by 2000 (Dorrington et al., 2001; Timaeus et al., 2002). The registration of childhood deaths (persons younger than 15 years) is less complete than for adults.

This release estimates that the completeness of information published was in the area of 90% for males and 87% for females for 2003. For 2004, completeness of the published information was 87% for males and 82% for females. This level of completeness does not necessarily imply that death registration has decreased. It could be due to, among others, the fact that 2004 is nearer to the date of publication than 2003 and there could be outstanding 2004 forms, which may reach Stats SA after the publication of this release. It is important to note that this measure of completeness of the published mortality and causes of death information provides an indication of deaths that might never be registered, possible late death registrations, and those that had been registered but had not reached Stats SA during the processing phase. Technical notes on the estimation of the completeness of the published information are provided in Appendix C.

For a relatively large percentage of deaths, population group was not recorded. Province of death is derived from information on the place of death. Approximately one-quarter of the death notification forms did not contain information on the population group of the deceased. Sex, age and province of death occurrence had less than five percent cases in which information was unknown or unspecified.

2.2 Methods

Overview of data capturing

The death notification forms were sorted by year, month, day and finally by surname of the deceased in alphabetical order. The main purpose was to identify and remove duplicates. Most of the duplicates were identified during this stage. During data processing, unique identifiers (serial numbers) were developed for each form for the purpose of tracking the forms through the capturing and processing phases. Because of the complexity of the coding of diseases, Stats SA decided that all variables, except the actual causes of death, should be pre-coded, to expedite the process. Thereafter, the causes of death were manually coded. Coding followed a two-step process entailing initial coding and verification by more experienced coders. Afterwards the data were captured and duplicates verified to ensure that all the death notification forms removed as duplicates during sorting were indeed duplicates, and to identify any that were mistakenly taken out as duplicates.

Classification of the causes of death

The causes of death data presented in this release were coded by procedures described in the Stats SA manual *Guidelines for coders using ICD-10*.¹ The ICD-10 coding provides the basic guidance used in virtually all countries to code and classify causes of death data. It provides information on coding in terms of disease, injury and poisoning categories. It also provides the rules for selecting the underlying cause of death from the several diagnoses that may be reported on the death certificate, as well as definitions, tabulation lists, guidelines for the death notification form, and regulations on the use of the classification. The ICD-10 contains approximately 8 000 categories of causes of death. The classification has been constructed for convenience and its usage is not mandatory. However, the ICD-10 has been adopted by member states and the National Health Information System of South Africa has adopted it as its standard.

¹ ICD-10 is the tenth revision of the International Classification of Diseases developed by the World Health Organisation (WHO), which is followed worldwide in order to have a uniform way of classifying morbidity as well as causes of death.

Mortality statistics released in this document are compiled in accordance with WHO regulations that specify that member nations classify and code causes of death in accordance with the current revision of the ICD-10. The approach followed in this release is therefore consistent with international best practice. However, some researchers, especially those analysing causes of death over a long period spanning several revisions of the ICD codes, have re-classified individual causes of death into what these researchers have considered to be appropriate groups. In some instances the main purpose of the re-grouping was to remove the effect of different versions of the ICD coding system. For example, in ICD-9, respiratory failure was grouped under the chapter on 'Symptoms, signs and ill-defined conditions', while in ICD-10, respiratory failure was placed in the chapter on 'Diseases of the respiratory system'.

In November 2003, Stats SA, the South African Medical Association, the Cancer Association of South Africa, the Medical Research Council and the National Department of Health held a workshop where certain decisions were taken regarding coding problems, including the coding of immunosuppression as immunodeficiency. In terms of the Stats SA coding procedures and guidelines, immunosuppression was not coded as HIV, but as immuno-deficiency, which has a separate ICD-10 code. There is no code for immunosuppression in the ICD-10 manuals. However certifying officials sometimes reported the underlying cause of death as 'acquired immune suppression'. There is no code in the ICD-10 for 'acquired immune suppression'. In terms of the Stats SA coding procedures, this term was interpreted as HIV disease and given an HIV code (group B20-B24). If HIV was written on the form this was also coded in the HIV group, as required by the ICD-10. This approach followed the principle of 'what you see is what you code'.

The ICD-10 methodology also allows for the extension of classifications and codes. Many countries have developed unique codes and categories to reflect specific public health concerns. In South Africa, unique codes (Y67, Y68, Y37, Y38 and Y39) have been introduced for causes of death related to herbal poisoning, enemas by traditional doctors, mine accidents, accidents in sports, and circumcision, respectively.

For this project, an ICD-10 code was assigned by a coder for each cause of death recorded on the death notification form. An experienced coder then checked the allocated codes.

Automated generation of the underlying causes of death

More medical information may be reported on the death notification form than that reflected in the underlying cause of death. This information is referred to as multiple causes and is entered on the form. The underlying cause is determined by

- the sequence of the conditions listed on the form, or
- the provisions of the ICD-10 and associated rules and modifications.

Once the causes of death given on the death notification forms had been coded as described above, the underlying causes of death were then derived automatically using a software programme called Automated Classification of Medical Entities (ACME 2004.02) developed by the United States National Center for Health Statistics (NCHS). The ACME programme applies World Health Organization rules on the selection of underlying causes of death. The ACME programme is used as the international standard in the automated coding of causes of death.

For more information on the ACME program and an evaluation of the coding quality, the reader is referred to the following websites:

www.cdc.gov/nchs/

www.who.int/whosis/icd10/

www.who.int/whosis/icd10/report96

www.who.int/entity/classifications/network/en/

The Stats SA coding manual prescribes the use of three character codes while the ACME programme requires four character codes in deriving the underlying cause of death. A conversion programme was therefore applied to the codes for the ACME system to recognise the data as valid

input. In most of the cases, the fourth character was '9' or '8', indicating that the detail of the coded disease was not specified.

While the automatic system did not resolve all coded cases, it did so for the overwhelming majority of cases. The underlying causes of death were automatically derived for approximately 99% of the records in 2003 and in 2004. Approximately 1% of the underlying causes were manually derived.

The preparation of the ACME 2001 input file involved the following:

- a) Conversion of the captured ICD-10 codes into the required ACME format.
- b) Comparison of coded value sets for the up to five causes of death (Cause A, B, C, D and other causes of death, with the associated injury when necessary) with the valid value sets in the ACME instruction manual, and editing where necessary.

ACME input data exclude stillborns. The ACME system provides an editing user interface for cases to be resolved manually. This was required for some of the causes of death that are considered by the system as rare causes, such as cholera.

Updating of the previous causes of death information

The 1997–2002 late registrations and forms that did not reach Stats SA during the previous phase of processing were added to the data produced in the previous processing phase. The information was then edited to remove duplicates and to ensure that death type was consistent with cases where death was of a dead born foetus or stillbirth of unspecified cause (P95). The additional forms (without duplicates and stillbirths) received in this phase of processing and the stillbirths that were removed after the consistency check are shown in Table 2.3. Duplicates found in the additional forms were five in 1997, none in 1998, 10 in 1999, 232 in 2000, 64 in 2001 and 862 in 2002. Stillbirths that were removed from the additional forms for purposes of tabulation (as only actual deaths are used) were four in 1997, none in 1998, two in 1999, 19 in 2000, 12 in 2001 and 57 in 2002.

Table 2.3: Comparison of deaths published in this release with those published in February 2005

Date of death	Number of deaths published in February 2005	Additional forms received in 2005-2006 processing phase	Stillbirths previously classified as actual deaths	Number of deaths in this release
1997	318 287	551	2 333	316 505
1998	367 689	636	3 272	365 053
1999	381 902	833	1 753	380 982
2000	413 969	1 260	1 493	413 736
2001	451 936	1 961	1 001	452 896
2002	499 268	2 558	2 332	499 494

Ranking the underlying causes of death

Ranking the underlying causes of death is useful for illustrating the relative burden of cause-specific mortality. The ranking simply denotes the frequency of causes of death among those causes eligible to be ranked and does not reflect the causes of death in terms of their importance from a public health point of view. As non-natural causes form such a high proportion in South Africa, natural and non-natural causes have been ranked separately.

In ranking natural underlying causes of death, *symptoms, signs and abnormal clinical findings not elsewhere classified* (R00-R99) are excluded. This group includes all ill-defined conditions, for which no diagnosis classifiable elsewhere is recorded. For practical purposes, these categories could be designated as *not otherwise specified, unknown aetiology or transient*. Table 2.4 shows the number of deaths that fell in these categories and were therefore excluded.

Most of these cases were *ill-defined and unknown causes of mortality*, a group which includes causes such as *sudden infant death syndrome, other sudden death with causes unknown, unattended death* and any other ill-defined and unspecified causes of mortality. Although in some cases these causes would have been among the ten leading underlying causes, they are excluded from the ranking, as the information cannot be effectively utilised for public health policy and planning purposes. Effectively this means that 68 166 and 68 728 deaths were excluded from the total number of deaths for 2003 and 2004 respectively, in terms of identifying the leading underlying causes of death. The percentage of all deaths with *symptoms, signs and abnormal clinical findings, not elsewhere classified*, as an underlying cause of death has generally stayed constant (12%).

Table 2.4: Number and percentage of deaths due to symptoms, signs and abnormal clinical findings, not elsewhere classified: 2003 and 2004

	Number		%	
	2003	2004	2003	2004
ICD-10 Chapter 18 causes				
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	2 022	822	3,0	1,2
Symptoms and signs involving digestive system and abdomen (R10-R19)	978	369	1,4	0,5
Symptoms and signs involving the skin and subcutaneous tissue (R20-R23)	29	22	0,0	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	33	21	0,0	0,0
Symptoms and signs involving the urinary system (R30-R39)	36	14	0,1	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	80	29	0,1	0,0
Symptoms and signs involving speech and voice (R47-R49)	11	7	0,0	0,0
General symptoms and signs (R50-R69)	6 675	5 038	9,8	7,3
Abnormal findings on examination of blood without diagnosis (R70-R79)	62	44	0,1	0,1
Abnormal findings on examination of urine without diagnosis (R80-R82)	3	0	0,0	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	9	13	0,0	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	25	17	0,0	0,0
Ill-defined and unknown causes of mortality (R95-R99)	58 203	62 332	85,4	90,7
Subtotal	68 166	68 728	100,0	100,0
Symptoms and signs (R00-R99)	68 166	68 728	12,3	12,1
Other causes	484 659	498 760	87,7	87,9
All causes	552 825	567 488	100,0	100,0

It is important to note that the method of ranking underlying causes used in this release is not identical to the NCHS ranking list, as the suitability of the NCHS ranking list has not been established for South African circumstances. The NCHS ranking list is a well-established list that has become standard for the United States of America and other countries.

3. Overall levels, patterns and differentials of mortality

This section reports on the distribution of deaths by age and sex for the period 1997 to 2004. The deaths for 1997 to 2002 have been updated to include the death notification forms that were received by Stats SA after the February 2005 publication. Stillbirths were excluded from the analysis.

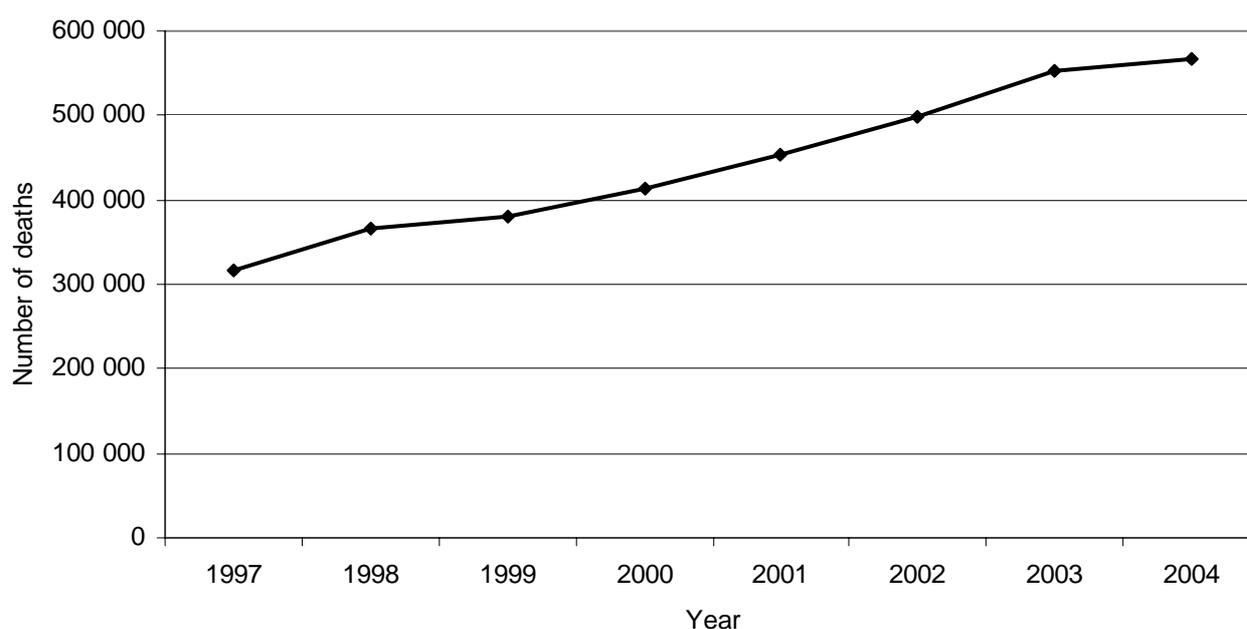
3.1 The levels and trends of registered deaths

The distribution of deaths by year of death and age groups 0–14 and 15 and above from 1997 to 2004 presented in Table 3.1 and Figure 3.1 indicates that there has been an increase in the overall number of deaths. In 1997, there were 316 505 deaths. This number increased to 567 488 in 2004. Part of this increase may be attributed to population growth and improvements in death registration. The increase in the number of deaths between 2003 and 2004 is smaller than the increase between the other consecutive years. This low increase, together with an estimated completeness of published information of 87% for males and 82% for females in 2004, suggests that there could be some outstanding forms for 2004, which may reach Stats SA after the publication of this release.

Table 3.1: Total number of deaths for age groups 0–14 and 15 and above by year of death: 1997–2004

Year of death	Number				Percentage			
	0-14	15+	Unspecified	Total	0-14	15+	Unspecified	Total
1997	38 194	272 737	5 574	316 505	12,1	86,2	1,8	100,0
1998	44 169	315 780	5 104	365 053	12,1	86,5	1,4	100,0
1999	44 810	333 468	2 704	380 982	11,8	87,5	0,7	100,0
2000	45 861	365 671	2 204	413 736	11,1	88,4	0,5	100,0
2001	48 090	402 895	1 911	452 896	10,6	89,0	0,4	100,0
2002	54 101	443 369	2 024	499 494	10,8	88,8	0,4	100,0
2003	60 231	489 824	2 770	552 825	10,9	88,6	0,5	100,0
2004	66 072	498 491	2 925	567 488	11,6	87,8	0,5	100,0

Figure 3.1: Distribution of registered deaths by year of death for all ages: 1997–2004



The distribution by the two age groups (0–14 and 15+) shows a more or less similar pattern of death to the overall pattern presented in Figure 3.1 (see Figures 3.2 and 3.3). The number of deaths has increased every year from 1997 to 2004 for each age group. However, the percentage increase of deaths between 2003 and 2004 was higher for the 0 to 14 age group (9,7%) as compared to the 15 and above age group (1,8%).

Figure 3.2: Distribution of registered deaths (0-14 years) by year of death: 1997–2004

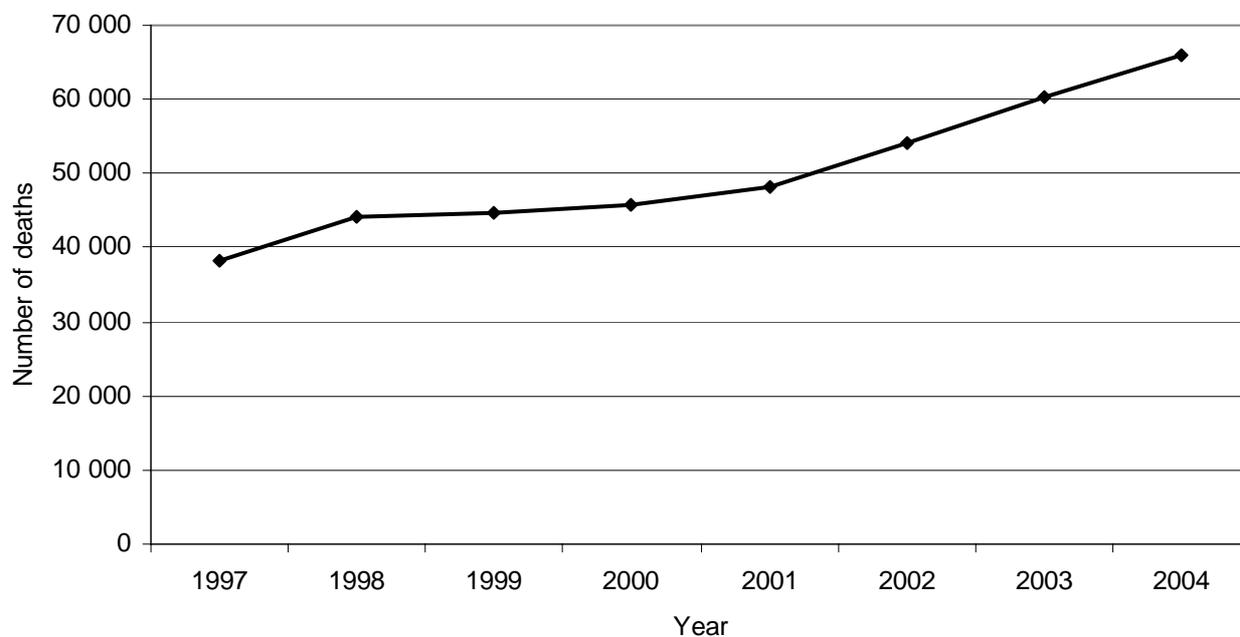
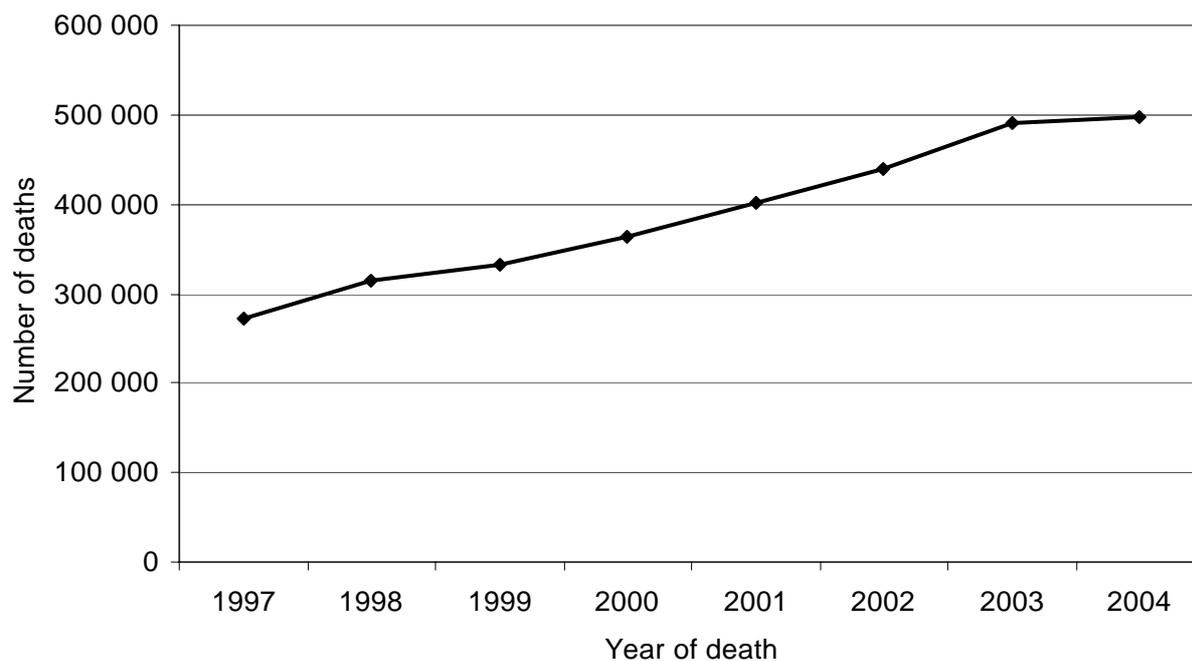


Figure 3.3: Distribution of registered deaths (15 years and above) by year of death: 1997–2004



3.2 Age differentials

Tables 3.2 and 3.3, respectively, show the total number and percentage distribution of deaths for the period 1997 to 2004 classified by five-year age intervals. The number of deaths at each age group has increased from 1997 to 2004. Increases in the number of deaths are particularly observed at middle age groups (25–29 years up to 50–54 years) and at very young ages (0 to 4). In addition, for all the years, the number of deaths was higher at ages 0 to 4 and 30 to 34 and lower at age groups 5 to 9 and 10 to 19 when compared to deaths at other ages.

Table 3.2: Number of deaths by age and year of death: 1997–2004

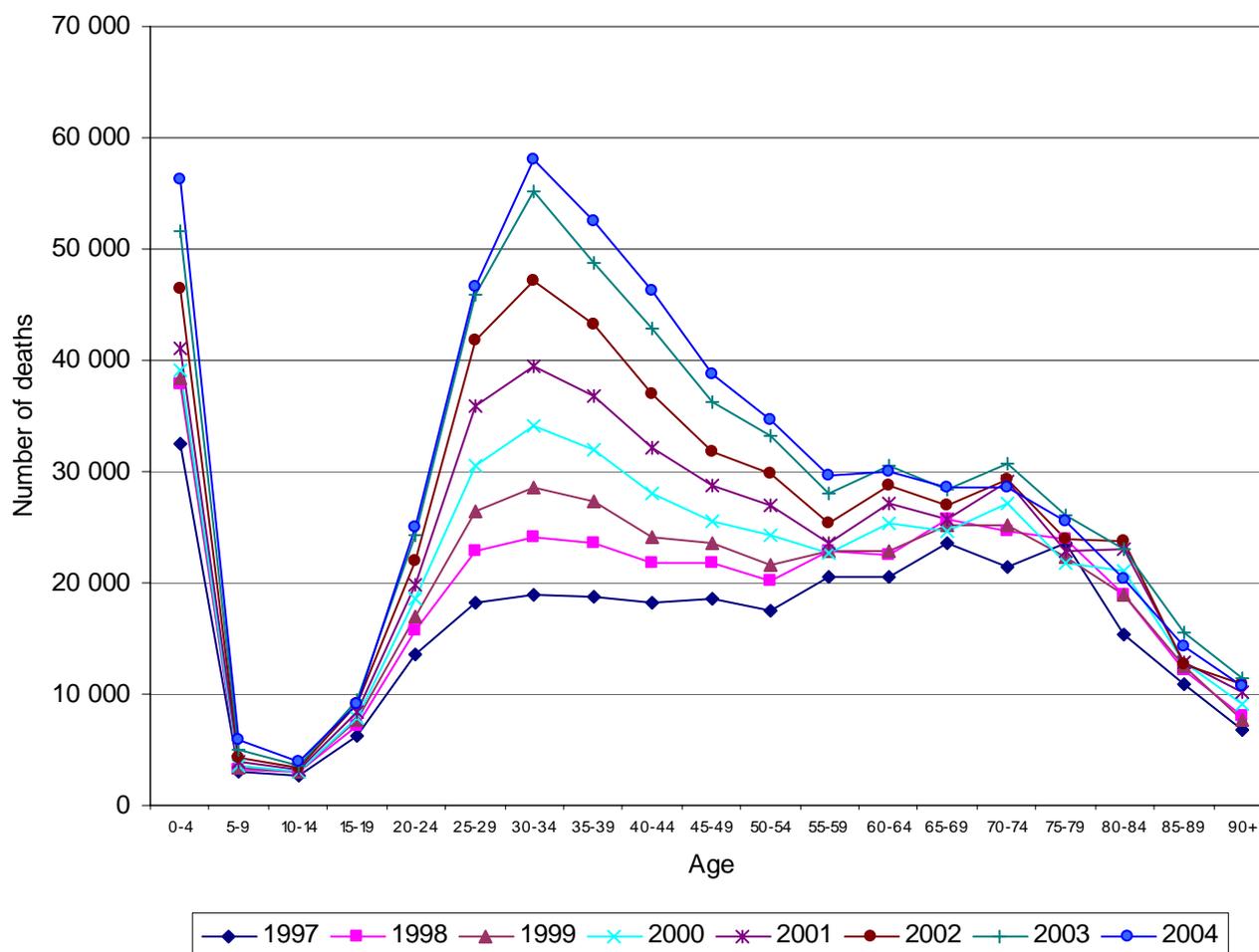
Age group	1997	1998	1999	2000	2001	2002	2003	2004
0-4	32 468	37 923	38 405	39 192	41 034	46 380	51 627	56 305
5-9	2 973	3 249	3 429	3 610	3 842	4 361	4 966	5 907
10-14	2 753	2 997	2 976	3 059	3 214	3 360	3 638	3 860
15-19	6 268	7 056	7 748	7 791	8 404	9 033	9 379	9 175
20-24	13 615	15 746	16 962	18 613	19 790	21 988	24 346	25 019
25-29	18 301	22 900	26 493	30 547	35 936	41 699	45 844	46 554
30-34	18 983	24 098	28 528	34 093	39 450	47 121	55 148	58 094
35-39	18 798	23 497	27 239	31 965	36 784	43 299	48 723	52 471
40-44	18 136	21 861	24 113	27 989	32 062	36 883	42 826	46 230
45-49	18 578	21 859	23 508	25 555	28 731	31 842	36 278	38 717
50-54	17 522	20 226	21 642	24 292	26 968	29 775	33 264	34 663
55-59	20 569	22 848	22 773	22 715	23 646	25 361	28 033	29 632
60-64	20 495	22 441	22 768	25 426	27 127	28 829	30 535	29 925
65-69	23 512	25 746	25 195	24 586	25 788	26 997	28 449	28 609
70-74	21 370	24 561	25 150	27 205	29 122	29 212	30 740	28 501
75-79	23 544	23 951	22 318	21 864	22 903	23 932	26 093	25 542
80-84	15 396	18 952	18 975	21 076	23 048	23 723	23 063	20 352
85-89	10 886	12 089	12 439	12 891	12 943	12 700	15 604	14 361
90+	6 764	7 949	7 617	9 063	10 193	10 975	11 499	10 646
Unspecified	5 574	5 104	2 704	2 204	1 911	2 024	2 770	2 925
Total	316 505	365 053	380 982	413 736	452 896	499 494	552 825	567 488

Table 3.3: Percentage distribution of deaths by age and year of death: 1997–2004

Age group	1997	1998	1999	2000	2001	2002	2003	2004
0-4	10,3	10,4	10,1	9,5	9,1	9,3	9,3	9,9
5-9	0,9	0,9	0,9	0,9	0,8	0,9	0,9	1,0
10-14	0,9	0,8	0,8	0,7	0,7	0,7	0,7	0,7
15-19	2,0	1,9	2,0	1,9	1,9	1,8	1,7	1,6
20-24	4,3	4,3	4,5	4,5	4,4	4,4	4,4	4,4
25-29	5,8	6,3	7,0	7,4	7,9	8,3	8,3	8,2
30-34	6,0	6,6	7,5	8,2	8,7	9,4	10,0	10,2
35-39	5,9	6,4	7,1	7,7	8,1	8,7	8,8	9,2
40-44	5,7	6,0	6,3	6,8	7,1	7,4	7,7	8,1
45-49	5,9	6,0	6,2	6,2	6,3	6,4	6,6	6,8
50-54	5,5	5,5	5,7	5,9	6,0	6,0	6,0	6,1
55-59	6,5	6,3	6,0	5,5	5,2	5,1	5,1	5,2
60-64	6,5	6,1	6,0	6,1	6,0	5,8	5,5	5,3
65-69	7,4	7,1	6,6	5,9	5,7	5,4	5,1	5,0
70-74	6,8	6,7	6,6	6,6	6,4	5,8	5,6	5,0
75-79	7,4	6,6	5,9	5,3	5,1	4,8	4,7	4,5
80-84	4,9	5,2	5,0	5,1	5,1	4,7	4,2	3,6
85-89	3,4	3,3	3,3	3,1	2,9	2,5	2,8	2,5
90+	2,1	2,2	2,0	2,2	2,3	2,2	2,1	1,9
Unspecified	1,8	1,4	0,7	0,5	0,4	0,4	0,5	0,5
Total	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

The graphical presentation of the total number of deaths by age for 1997 to 2004 is given in Figure 3.4. The age pattern of death for the period 1997 to 2004 is very similar. For all the years, the number of deaths was high at ages 0 to 4, decreased substantially at age groups 5 to 9 and 10 to 14, after which it rapidly increased up to age group 30 to 34. After this age group, there was a decline in the number of deaths as age increased.

Figure 3.4: Distribution of deaths by age and year of death: 1997–2004



3.3 Age and sex differentials

Table 3.4 shows the age distribution of deaths for males and females from 1997 to 2004. The overall number of deaths indicates that for all years, there were more male deaths than female deaths. For both males and females, there was an increase in the number of deaths, although the percentage increase in the number of deaths from year to year was consistently higher for females than for males. For example, between 2003 and 2004, male deaths increased by 1,8% while female deaths increased by 3,7%.

Table 3.4: Number of deaths by age, sex and year of death: 1997–2004

Age group	1997		1998		1999		2000		2001		2002		2003		2004	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	17 025	15 189	19 780	17 733	19 786	18 084	20 343	18 417	21 313	19 339	24 138	21 819	26 948	24 175	29 454	26 280
5-9	1 704	1 252	1 778	1 435	1 891	1 504	1 992	1 589	2 112	1 702	2 391	1 953	2 757	2 181	3 129	2 765
10-14	1 546	1 188	1 691	1 283	1 649	1 304	1 704	1 322	1 743	1 450	1 856	1 480	1 985	1 628	2 105	1 744
15-19	3 775	2 470	4 101	2 894	4 351	3 309	4 289	3 432	4 463	3 879	4 718	4 259	4 808	4 501	4 602	4 533
20-24	8 166	5 401	8 780	6 860	8 632	8 226	8 816	9 723	8 910	10 800	9 543	12 340	10 256	13 990	10 188	14 759
25-29	10 907	7 353	13 045	9 747	13 862	12 493	14 962	15 484	16 784	19 049	18 537	23 034	19 863	25 846	19 479	26 978
30-34	11 806	7 130	14 337	9 636	16 250	12 163	18 365	15 627	20 813	18 529	23 740	23 242	27 248	27 767	27 977	30 040
35-39	11 939	6 809	14 549	8 852	16 398	10 735	18 435	13 438	20 982	15 706	23 932	19 245	26 225	22 388	27 751	24 638
40-44	11 736	6 364	13 884	7 883	15 159	8 865	17 024	10 892	19 223	12 750	21 414	15 357	24 532	18 186	26 034	20 134
45-49	12 195	6 333	14 139	7 633	14 931	8 480	15 991	9 489	17 807	10 864	19 170	12 563	21 871	14 324	22 702	15 955
50-54	11 268	6 225	12 961	7 187	13 828	7 735	15 186	9 042	16 814	10 082	18 509	11 165	20 428	12 770	20 778	13 840
55-59	12 612	7 913	13 882	8 860	14 029	8 660	13 827	8 818	14 486	9 095	15 331	9 959	17 076	10 910	17 756	11 844
60-64	11 162	9 283	12 397	9 985	12 659	10 027	14 155	11 205	15 033	12 028	16 104	12 647	17 268	13 213	16 712	13 185
65-69	12 437	11 031	13 223	12 440	12 798	12 306	12 515	12 019	12 974	12 751	13 699	13 237	14 577	13 820	14 973	13 611
70-74	11 272	10 050	12 723	11 785	12 842	12 238	13 062	14 076	13 997	15 065	13 727	15 423	14 392	16 294	13 277	15 199
75-79	11 175	12 326	11 400	12 464	10 680	11 575	10 329	11 487	10 831	12 011	11 063	12 799	12 003	14 034	11 638	13 889
80-84	6 593	8 771	7 868	11 036	7 591	11 311	8 454	12 591	9 138	13 863	9 507	14 156	9 393	13 631	8 533	11 798
85-89	3 949	6 912	4 255	7 800	4 448	7 940	4 664	8 200	4 570	8 342	4 367	8 299	5 415	10 153	4 969	9 373
90+	2 024	4 727	2 360	5 560	2 210	5 377	2 522	6 511	3 020	7 146	3 291	7 651	3 361	8 120	3 248	7 386
Unspecified	3 108	2 361	2 819	2 090	1 489	1 107	1 178	885	1 035	780	1 132	780	1 637	930	1 808	890
Total	176 399	139 088	199 972	163 163	205 483	173 439	217 813	194 247	236 048	215 231	256 169	241 408	282 043	268 861	287 113	278 841

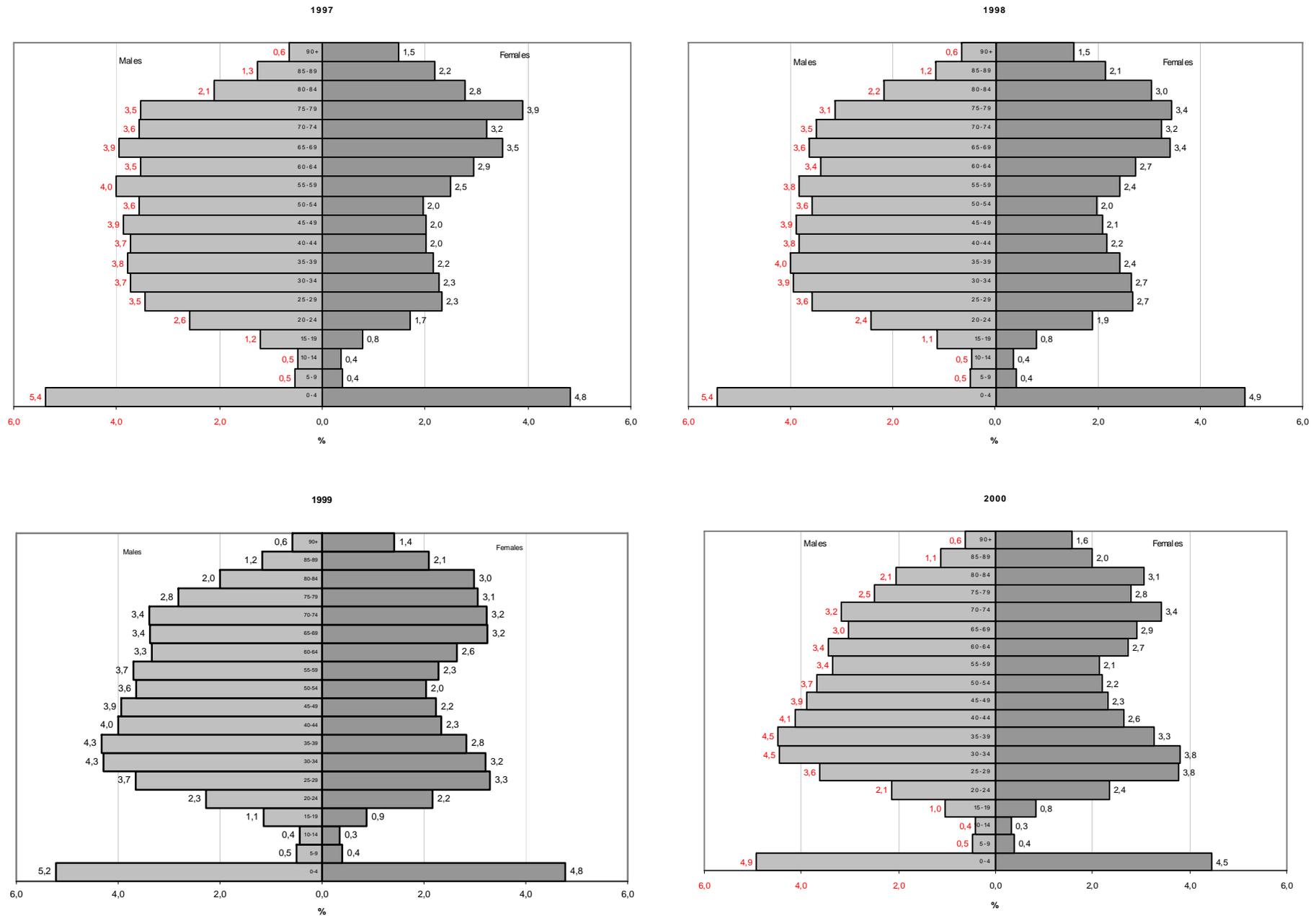
Excluding unspecified sex: 1997 (1 018); 1998 (1 918); 1999 (2 060); 2000 (1 676); 2001 (1 617); 2002 (1 917); 2003 (1 921); and 2004 (1 534)

Figures 3.5a and 3.5b show the age-sex percentage distribution of deaths from 1997 to 2000 and 2001 to 2004, respectively. To be able to compare the age-sex distribution for the eight years, the percentages were calculated based on the total population (both sexes combined and for all ages). From 1997 to 1999, the percentage of female deaths was higher than those of male deaths only from age 75 and above while in 2000 it was from age 70. For 2001 and 2002, female deaths were higher than male death from age 70, and also at ages 25 to 29. In 2003 and 2004, female deaths exceeded male deaths from age 70 and at ages 20 to 34.

The most noticeable change in the shape of the pyramids can be observed when comparing 1997 and 2004, indicating that both the age and the sex pattern of death has changed over time. In 1997, the male deaths showed a roughly constant percentage of deaths at ages 30 to 79 while in 2004 at the same ages, the percentage of deaths decreased with age. This pattern implies a shift of male deaths to younger ages. For the females, deaths were higher at ages 65 to 79 in 1997, but in 2004, there was also a shift of deaths from older ages to younger ages, such that more deaths occurred at ages 25 to 39 in 2004.

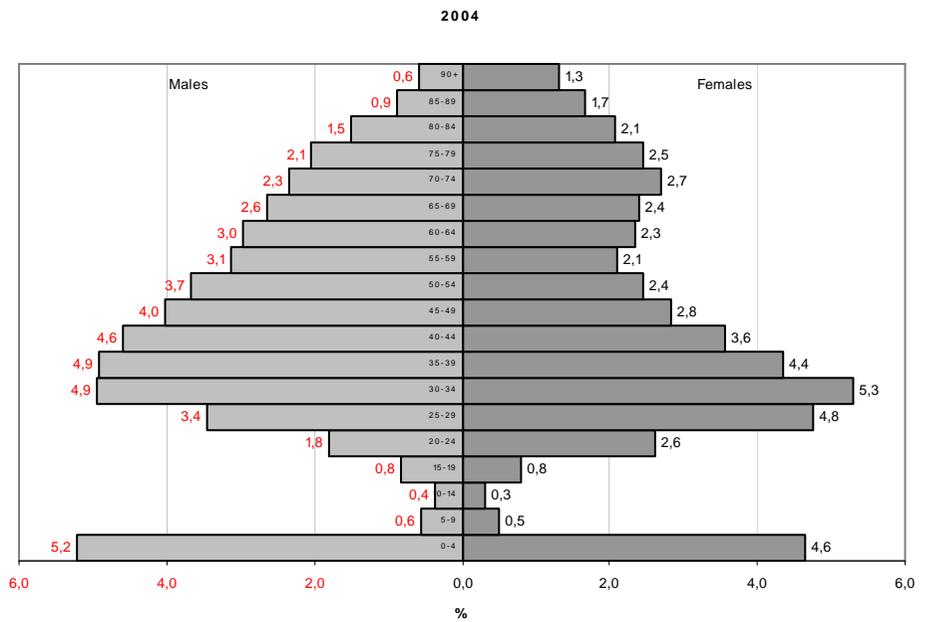
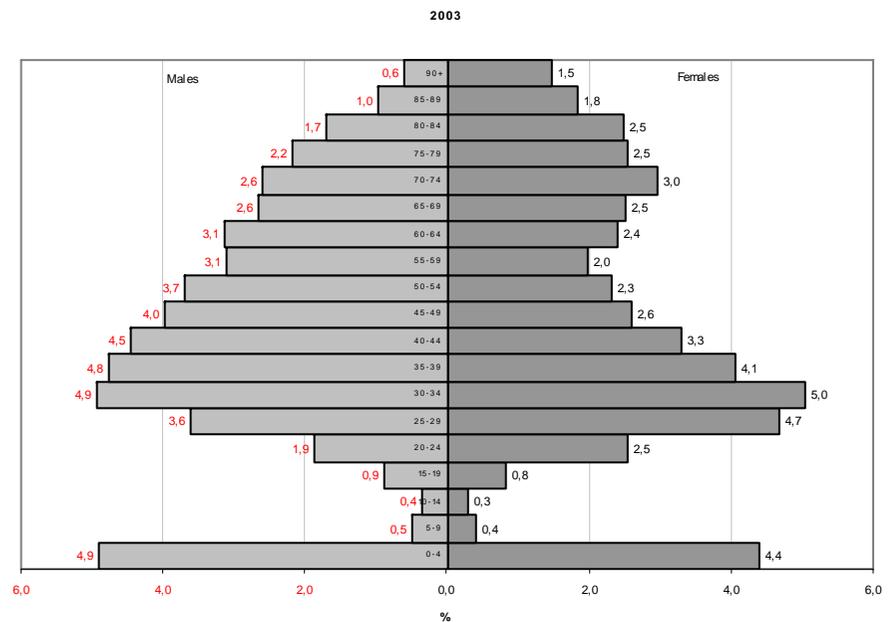
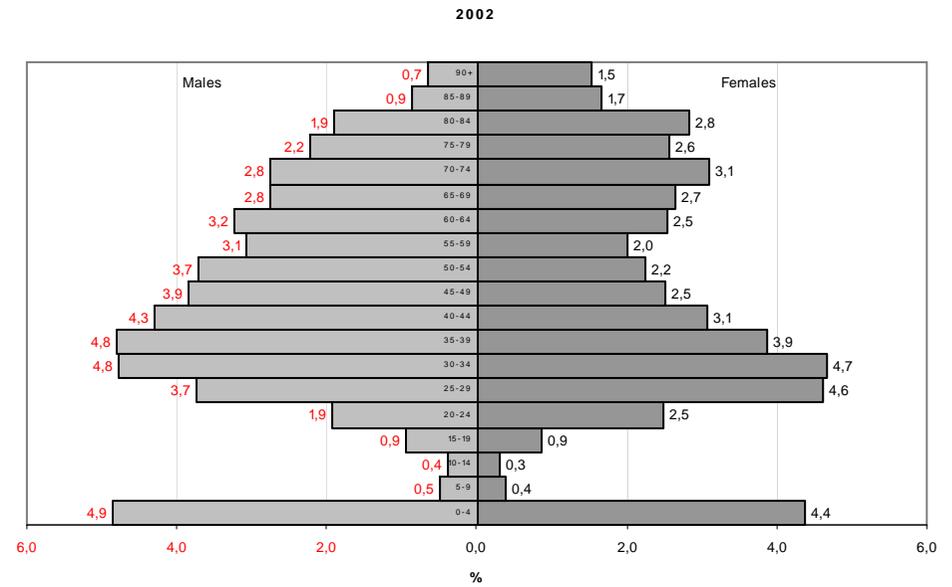
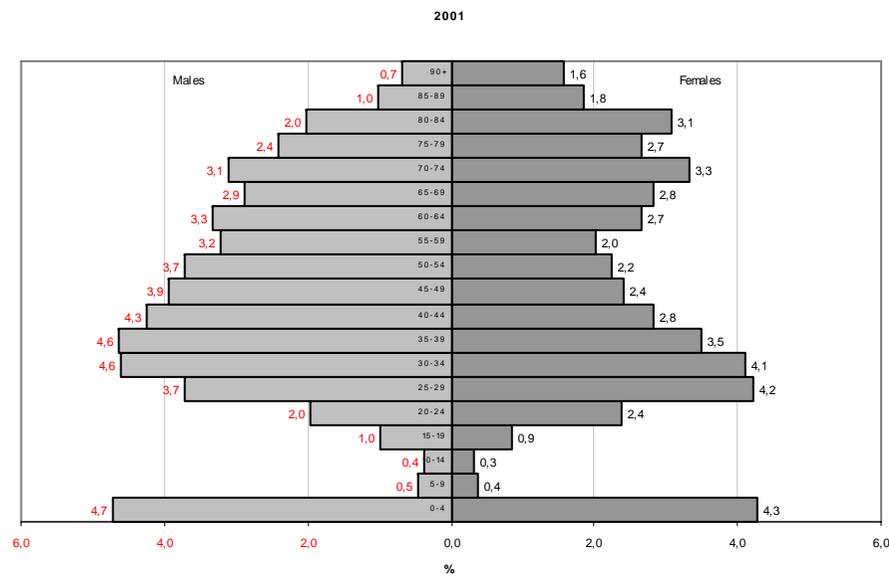
In 2003 and 2004, the differences by sex indicate that from age group 30 to 34 onwards for males, there was a steady decline in the percentage of deaths as age increased. For females, during the same period, there was a decrease in the percentage of deaths from age group 30 to 34 years up to 55 to 59. From age group 60 to 74 there was an increase in the percentage of deaths, after which the numbers decreased again.

Figure 3.5a: Percentage distribution of deaths by age, sex and year of death, 1997–2000



Percentages do not add up to 100 due to exclusion of cases with unspecified age

Figure 3.5b: Percentage distribution of deaths by age, sex and year of death, 2001–2004



Percentages do not add up to 100 due to exclusion of cases with unspecified age

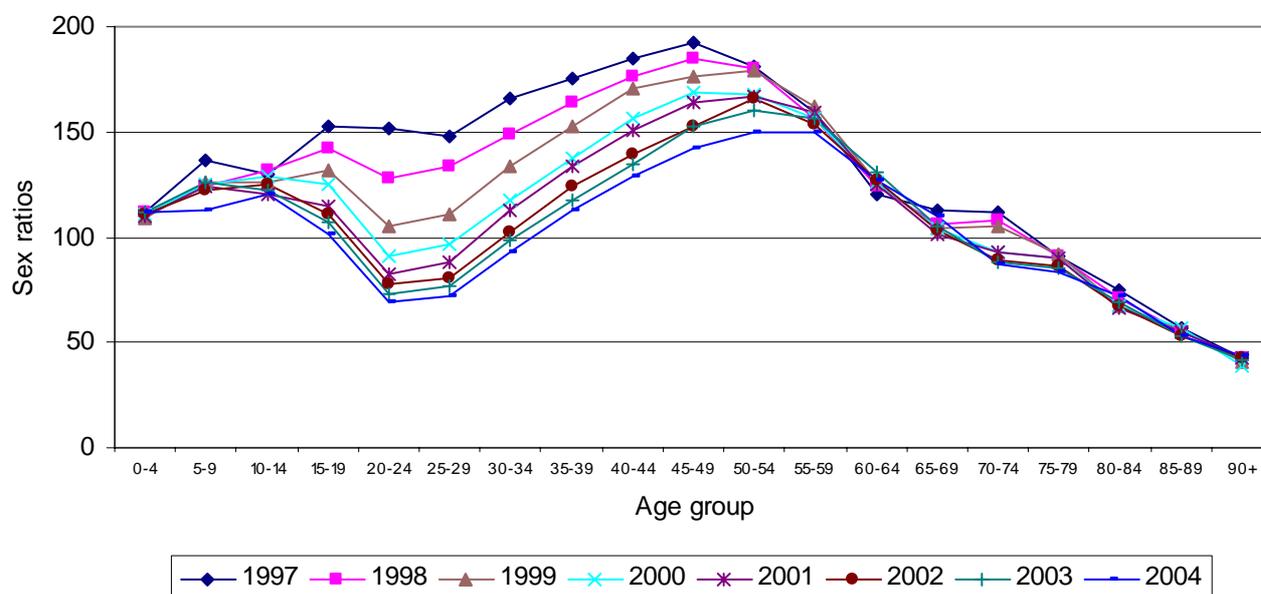
Table 3.5 and Figure 3.6 provide the sex ratios from 1997 to 2004. The sex ratios provide the number of male deaths per 100 female deaths. The overall figures show that there were more male deaths than female deaths for all the years. In addition, the ratios decreased with time, an indication of a higher increase in the number of female deaths than male deaths.

The sex ratios at ages 0 to 14, and 55 and above indicate some fluctuations over the years. However, between ages 15 and 54, there was a consistent decline in the sex ratios, which shows that over time, the number of female deaths had increased more than male deaths. From 2000, the sex ratios for ages 20 to 29 were less than 100, indicating that there were more female than male deaths at these ages.

Table 3.5: Sex ratios by age and year of death: 1997–2004

Age group	1997	1998	1999	2000	2001	2002	2003	2004
0-4	112	112	109	110	110	111	111	112
5-9	136	124	126	125	124	122	126	113
10-14	130	132	126	129	120	125	122	121
15-19	153	142	131	125	115	111	107	102
20-24	151	128	105	91	83	77	73	69
25-29	148	134	111	97	88	80	77	72
30-34	166	149	134	118	112	102	98	93
35-39	175	164	153	137	134	124	117	113
40-44	184	176	171	156	151	139	135	129
45-49	193	185	176	169	164	153	153	142
50-54	181	180	179	168	167	166	160	150
55-59	159	157	162	157	159	154	157	150
60-64	120	124	126	126	125	127	131	127
65-69	113	106	104	104	102	103	105	110
70-74	112	108	105	93	93	89	88	87
75-79	91	91	92	90	90	86	86	84
80-84	75	71	67	67	66	67	69	72
85-89	57	55	56	57	55	53	53	53
90+	43	42	41	39	42	43	41	44
Unspecified	132	135	135	133	133	145	176	203
Total	127	123	118	112	110	106	105	103

Figure 3.6: Sex ratios by age and year of death: 1997–2004



3.4 Population group differences in mortality

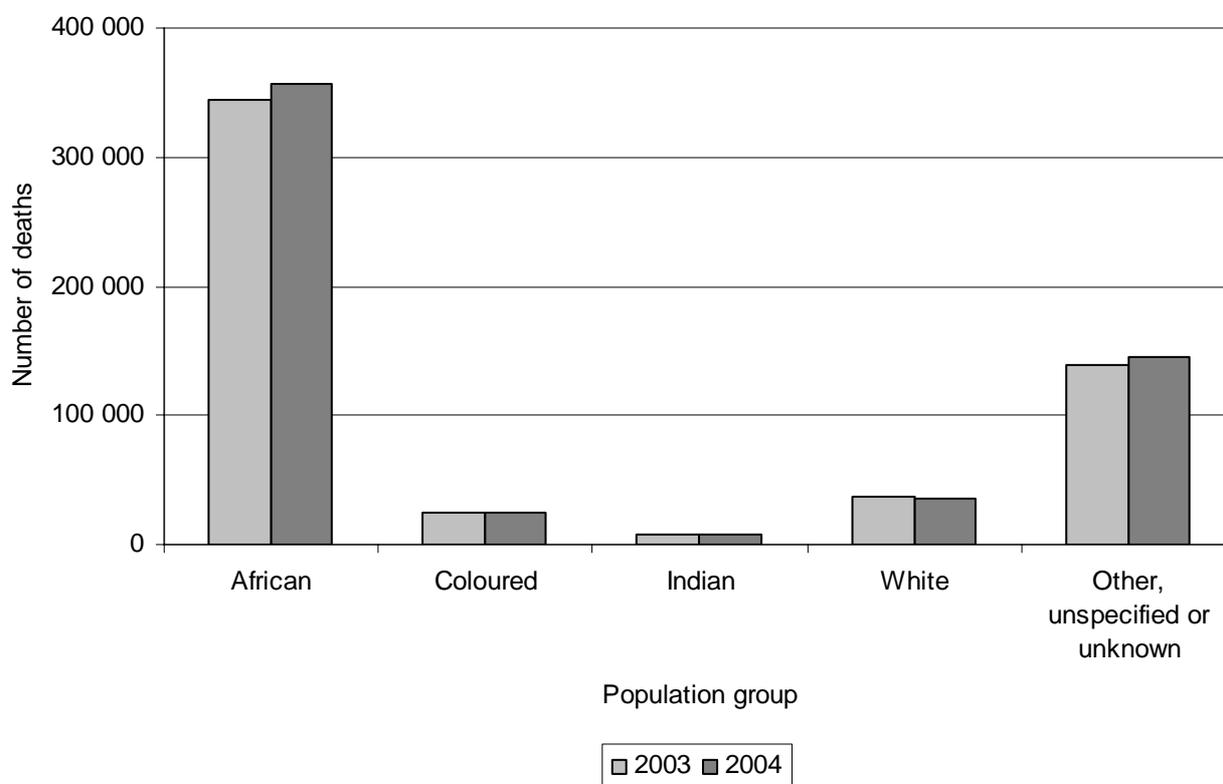
Analysis for population group is undertaken for 2003 and 2004. Table 3.6 and Figure 3.7 indicate that about a quarter of registered deaths in both 2003 and 2004 had unspecified or unknown population group, or had been classified as 'other'. Hence, the results on population group have to be treated with caution.

The distribution shows that Africans had the highest number of deaths in 2003 and 2004. In addition, they are the only population group that had an increase in the number of registered deaths between the two years. The coloured, Indian/Asian and white population groups experienced a decline in the number of registered deaths. The percentage share of deaths between 2003 and 2004 decreased for white and coloured people but increased for Africans and remained constant for Indians/Asians.

Table 3.6: Distribution of deaths by population group and year of death: 2003 and 2004

Population group	2003		2004	
	Number	Percentage	Number	Percentage
African	344 895	62,4	356 254	62,8
Coloured	24 984	4,5	24 461	4,3
Indian/Asian	7 334	1,3	7 112	1,3
White	36 419	6,6	35 167	6,2
Other, unspecified or unknown	139 193	25,2	144 494	25,5
Total	552 825	100,0	567 488	100,0

Figure 3.7: Distribution of deaths by population group and year of death: 2003 and 2004



3.5 Distribution of deaths by province

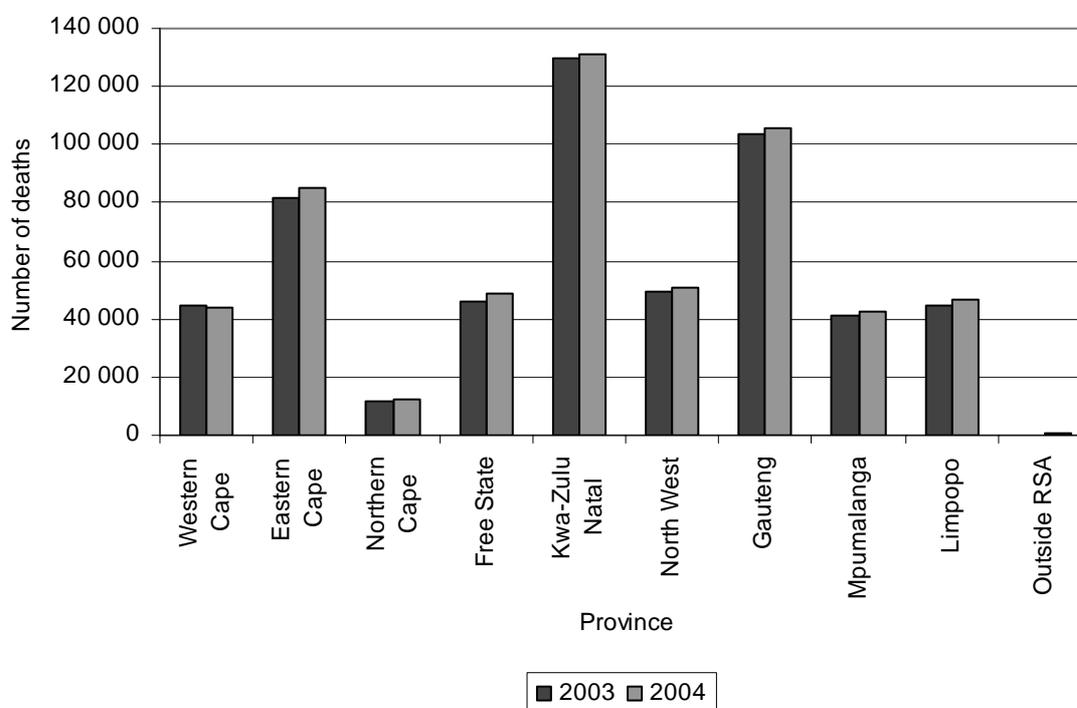
Table 3.7 and Figure 3.8 provide information on the distribution of deaths by province in 2003 and 2004. The percentage distributions of deaths for both years are more or less similar. During 2003 and 2004, KwaZulu-Natal had the highest percentage of deaths (23%), followed by Gauteng (19%) and then Eastern Cape (15%). The Northern Cape had the lowest percentage of deaths (2%).

The comparison of the number of deaths between 2003 and 2004 indicate that, except for Western Cape, the number of deaths increased in all provinces. The highest increase in the percentage of deaths was from 45 724 in 2003 to 48 818 deaths in 2004 (6,8%) registered in Free State, followed by Eastern Cape with 4,2%(from 81 720 deaths in 2003 to 85 189 deaths in 2004).

Table 3.7: Distribution of deaths by province and year of death: 2003 and 2004

Province	2003		2004	
	Number	%	Number	%
Western Cape	44 451	8,0	43 981	7,8
Eastern Cape	81 720	14,8	85 189	15,0
Northern Cape	11 970	2,2	12 431	2,2
Free State	45 724	8,3	48 818	8,6
KwaZulu-Natal	129 587	23,4	131 057	23,1
North West	49 655	9,0	50 748	8,9
Gauteng	103 652	18,7	105 787	18,6
Mpumalanga	41 089	7,4	42 548	7,5
Limpopo	44 725	8,1	46 518	8,2
Outside RSA	252	0,0	410	0,1
Unspecified	0	0,0	1	0,0
Total	552 825	100,0	567 488	100,0

Figure 3.8: Distribution of deaths by province and year of death: 2003 and 2004



3.6 Distribution of deaths by place of death

Most deaths took place in hospitals and at home, as shown in Table 3.8. A few cases, 1,9% in 2003 and 1,8% in 2004 occurred in the hospital emergency rooms.

Table 3.8: Number and percentage of deaths by place of death and year of death: 2003 and 2004

Place of death	2003	2004	2003	2004
	Number	Number	%	%
Hospital	213 453	228 047	38,6	40,2
Emergency Room/Out patient	10 491	9 978	1,9	1,8
Dead on arrival	15 781	15 582	2,9	2,7
Nursing home	12 800	12 756	2,3	2,2
Home	194 995	196 971	35,3	34,7
Other	21 443	25 572	3,9	4,5
Unknown/unspecified	83 862	78 582	15,2	13,8
Total	552 825	567 488	100,0	100,0

4. Causes of death in South Africa, 2003 and 2004

4.1 Introduction

This section of the release focuses on the causes of death for 2003 and 2004. It first presents a breakdown of deaths according to the 18 main (level one) causes of death, and an age breakdown of the proportion of deaths due to natural and non-natural causes. This is followed by an analysis of natural deaths according to leading underlying causes, using ranking as described in Section 2, for the South African population as a whole, for females and males, for various age groups and for provinces.

Non-natural underlying causes of death are then treated as a separate group, in view of the concern in South Africa about levels of violence and deaths due to accidents. Non-natural causes of death consist of all deaths that were not attributable, or may not have been attributable, to natural causes. In terms of the Inquest Act (Act 58 of 1959) these deaths are subject to medico-legal investigation, an autopsy must be conducted to try to establish the cause of death, and an inquest is compulsory. The results of the inquest are then sent to the Department of Home Affairs, which issues the final death certificate.

Lastly, there is a brief overview of the recorded instances of multiple causes of death. The universe for all these analyses is deaths among individuals excluding stillborns.

4.2 Reported causes of death

Multiple causes of death are defined as: *'All morbid conditions, diseases and injuries entered on the death certificate. These causes include those involved in the morbid train of events leading to the death which were classified as either the underlying cause, the intermediate cause, or any intervening cause and those conditions which contributed to death but were not related to the disease or condition causing death.'*

Table 4.1 provides the number of causes of death (from one to five and more) associated with the deaths recorded for 2003 and 2004. Most death notification forms had one cause and only less than one percent had five or more causes. On average, there were between one and two causes per death notification form. In less than one percent of the deaths, there were no causes reported. This would include mainly cases in which only the first page of the death notification form was received.

Table 4.1: Distribution of death notification forms by the number of causes entered on the form: 2003 and 2004

Number of reported causes of death	2003		2004	
	Number of death notification forms	%	Number of death notification forms	%
No cause given	2 851	0,5	779	0,1
1 cause	332 722	60,2	345 645	60,9
2 causes	149 064	27,0	151 679	26,7
3 causes	51 510	9,3	51 910	9,1
4 causes	13 652	2,5	14 095	2,5
5 or more causes	3 026	0,5	3 380	0,6
Total	552 825	100,0	567 488	100,0

The number of reported causes of deaths in 2003 and 2004 is provided in Table 4.2. Cases where a certain cause is mentioned will be the same as the number of deaths with which the cause is associated; be it an underlying, immediate or contributing cause. Table 4.2 provides reported causes of death (in decreasing order) in which these causes were mentioned on the death certificate. In both 2003 and 2004, *tuberculosis* was the most mentioned cause.

Table 4.2: Distribution of reported causes of death: 2003 and 2004

	Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)	2003	2004
1	Tuberculosis (A15-A19)	74 622	77 406
2	Influenza and pneumonia (J10-J18)	72 663	71 800
3	Ill-defined and unknown causes of mortality (R95-R99)	58 333	62 930
4	Other forms of heart diseases (I30-I52)	49 472	46 795
5	Events of undetermined intent (Y10-Y34)	38 691	36 482
6	Cerebrovascular diseases (I60-I69)	35 927	33 224
7	Hypertensive diseases (I10-I15)	31 558	30 679
8	Intestinal infectious diseases (A00-A09)	27 364	29 841
9	Certain disorders involving the immune mechanism (D80-D89)	26 517	28 778
10	General symptoms and signs (R50-R69)	24 954	21 999
11	Chronic lower respiratory diseases (J40-J47)	20 883	19 828
12	Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	19 220	19 801
13	Diabetes mellitus (E10-E14)	18 524	18 654
14	Other diseases of the respiratory system (J95-J99)	18 000	19 620
15	Ischaemic heart diseases (I20-I25)	17 513	16 760
16	Metabolic disorders (E70-E88)	15 623	16 228
17	Renal failure (N17-N19)	15 189	14 551
18	Other viral diseases (B25-B34)	13 949	16 384
19	Other bacterial diseases (A30-49)	13 515	14 219
20	Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	12 280	12 529
21	Human immunodeficiency virus [HIV] diseases (B20-B24)	11 926	13 590

The foregoing discussion provides a context for the comparison between reported causes and findings of the analysis of the derived underlying causes of death, which follows in Section 4.7.

4.3 Overview of the underlying causes of death

This subsection focuses on the 18 main (level one) groups of causes of death. Figures 4.1 and 4.2 show the main groups of the underlying causes of death in 2003 and 2004. Most deaths were a result of *certain infectious and parasitic diseases*. The top five underlying causes accounted for just under one-quarter of all deaths in 2003 and in 2004. There was a slight decrease in the proportions of deaths due to *diseases of the circulatory system* from 14,9% in 2003 to 13,9% in 2004.

Figure 4.1: Main groups of causes of death: 2003

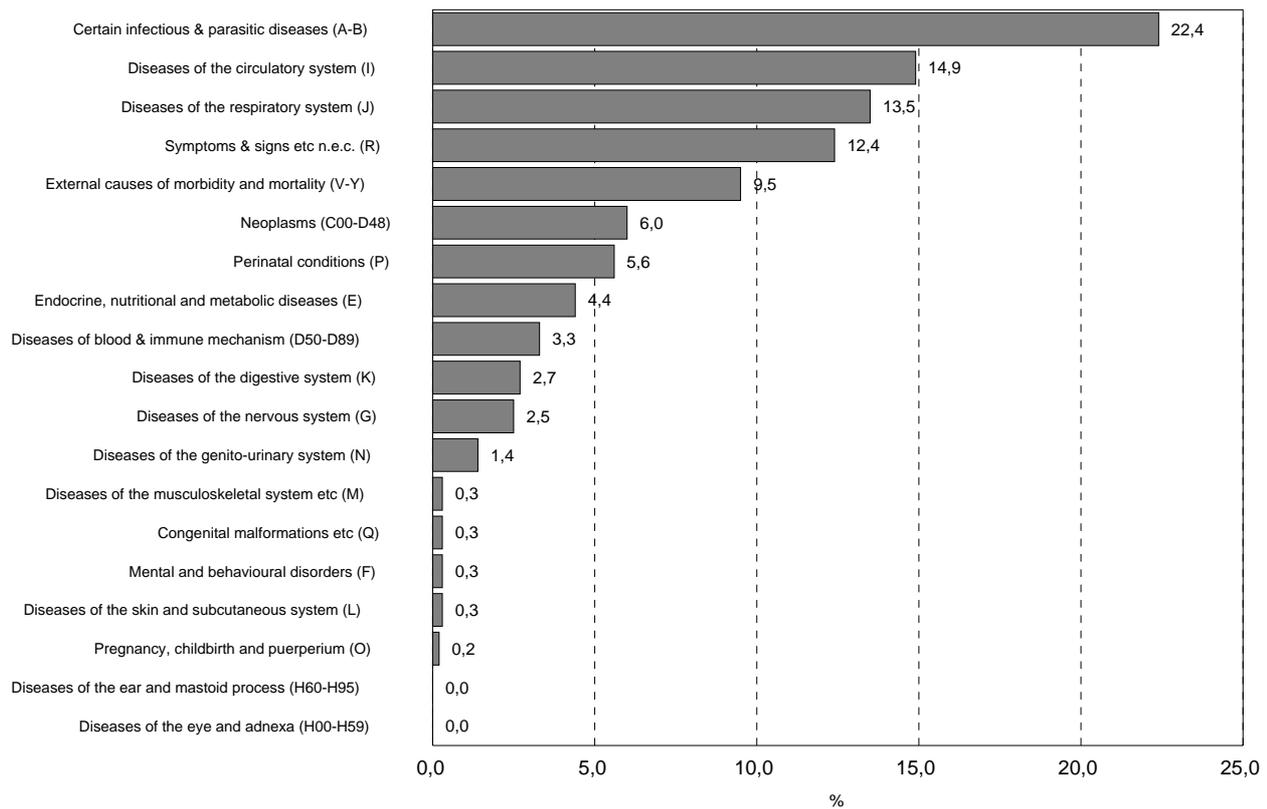
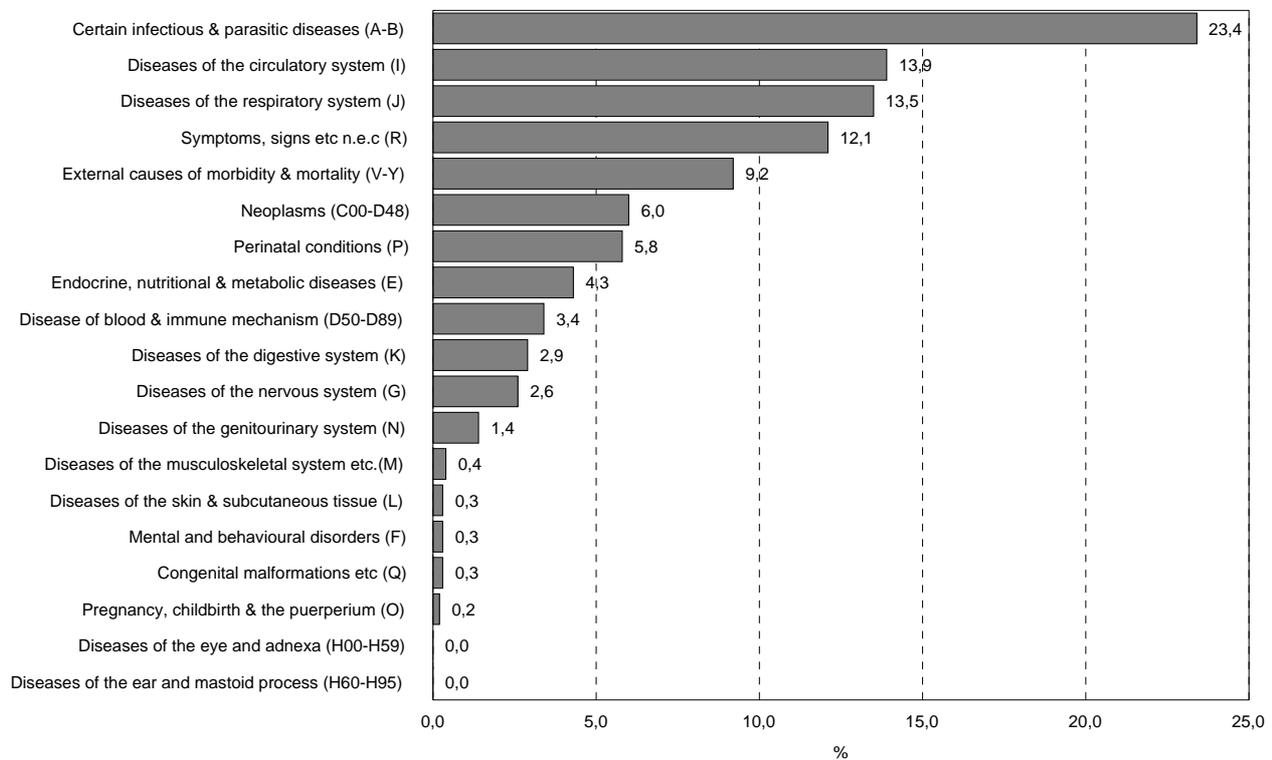


Figure 4.2: Main groups of causes of death: 2004



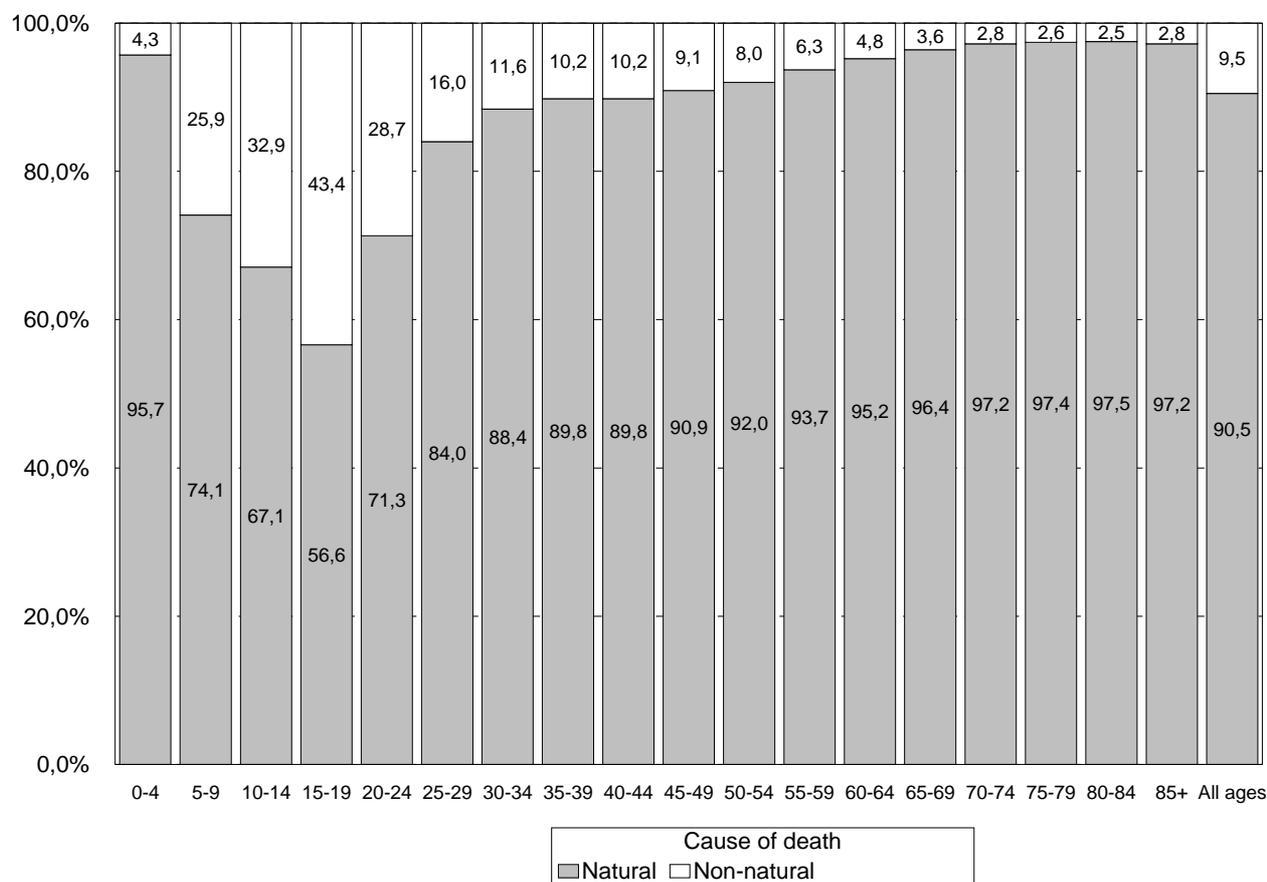
4.4 Natural and non-natural underlying causes of death

Table 4.3 shows the number and percentage of deaths due to natural and non-natural underlying causes in 1997–2004. There has been a steady decline in the percentage of non-natural deaths overtime, from 17% in 1997 to 9% in 2004. Figures 4.3 and 4.4 show the distribution of deaths due to natural and non-natural underlying causes of death across age groups for 2003 and 2004. Non-natural deaths formed a substantial proportion of deaths in the 5–29 age groups, decreasing thereafter with age. However, it can be seen that the overall proportion of deaths due to non-natural causes remained virtually the same between 2003 and 2004. The highest number of deaths associated with non-natural causes was observed in age group 15 to 19 (43% in 2003 and 42% in 2004).

Table 4.3: Natural and non-natural deaths: 1997–2004

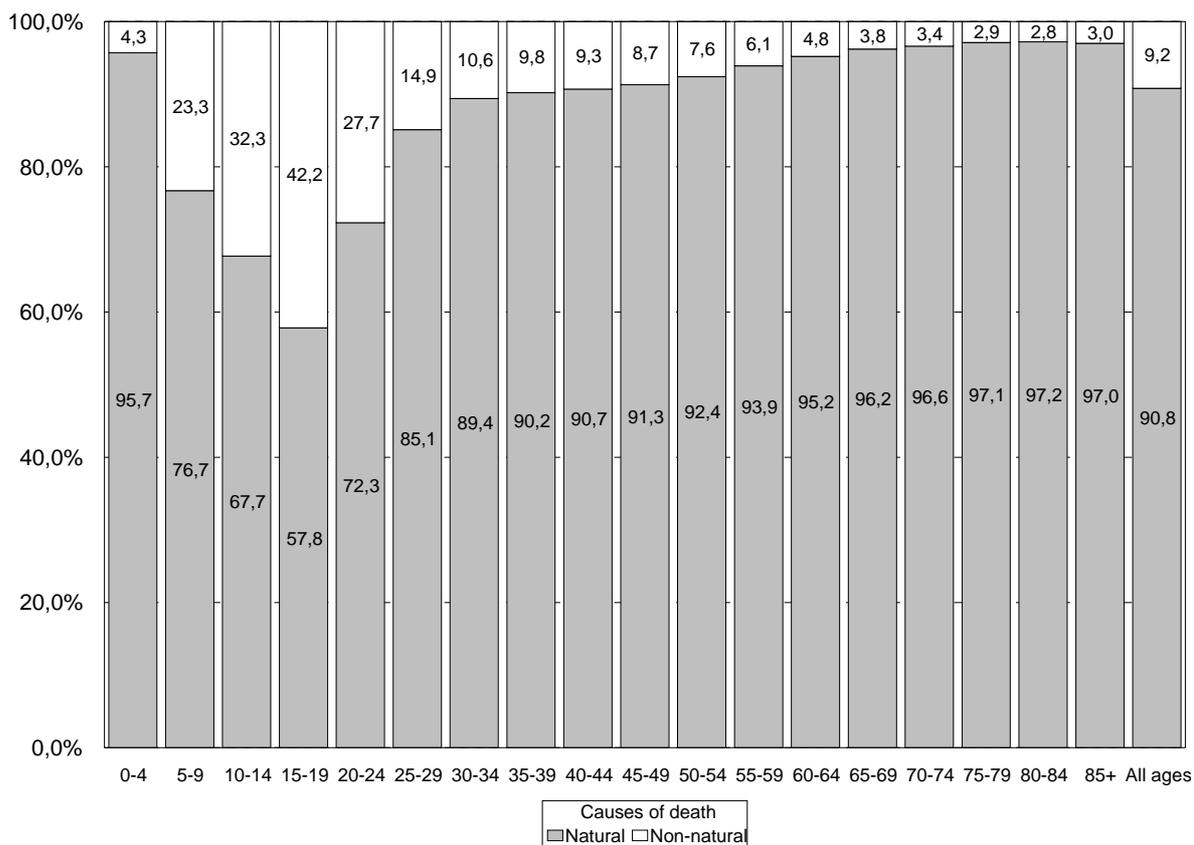
Year of death	Deaths			Percentage		
	Natural	Non-natural	Total	Natural	Non-natural	Total
1997	262 455	54 050	316 505	82,9	17,1	100,0
1998	310 010	55 043	365 053	84,9	15,1	100,0
1999	327 703	53 279	380 982	86,0	14,0	100,0
2000	364 138	49 598	413 736	88,0	12,0	100,0
2001	402 682	50 214	452 896	88,9	11,1	100,0
2002	448 212	51 282	499 494	89,7	10,3	100,0
2003	500 338	52 487	552 825	90,5	9,5	100,0
2004	514 997	52 491	567 488	90,8	9,2	100,0

Figure 4.3: Percentage of deaths due to natural and non-natural causes according to age group: 2003



Excluding 68 447 cases with symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified as an underlying cause of death and 2 770 cases with unspecified age

Figure 4.4: Percentage of deaths due to natural and non-natural causes according to age group: 2004



Excluding 68 732 cases with *symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified* as an underlying cause of death and 2 925 cases with unspecified age

4.5 Natural underlying causes of death

The ten leading natural causes of death

We now turn to a detailed analysis of natural causes of death. The main groups of causes of death used in section 4.2 are likely to conceal crucial variations within groups and for various sections of the population. Hence, the analyses that follow are based on the next level of aggregation, referred to as broad groups of underlying causes.

Table 4.4 shows the ten leading underlying natural causes of death in 2003 and 2004. The ten leading natural causes of death from 1997–2002 are provided in Appendix D for comparison purposes. Complete rankings of all causes for all the eight years are shown in Appendix E. *Tuberculosis* was the top leading underlying cause of death in 2003 and 2004, with 12% of all deaths in 2003 and 2004 being attributed to it. The top six causes were similar for the two years and collectively accounted for 37% of all deaths occurring in South Africa for each year.

Table 4.4: The ten leading underlying natural causes of death: 2003 and 2004

Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)	2003			2004		
	Rank	Number	%	Rank	Number	%
Tuberculosis (A15-A19)	1	67 609	12,2	1	69 689	12,3
Influenza and pneumonia (J10-J18)	2	45 351	8,2	2	45 376	8,0
Cerebrovascular diseases (I60-I69)	3	27 445	5,0	4	25 006	4,4
Intestinal infectious diseases (A00-A09)	4	24 394	4,4	3	26 581	4,7
Other forms of heart disease (I30-I52)	5	23 996	4,3	5	23 753	4,2
Diabetes mellitus (E10-E14)	6	16 761	3,0	6	16 908	3,0
Chronic lower respiratory diseases (J40-J47)	7	16 130	2,9	8	15 333	2,8
Certain disorder involving the immune mechanism (D80-D89)	8	15 109	2,7	7	16 052	2,7
Ischaemic heart diseases (I20-I25)	9	13 324	2,4	...	...	...
Resp. and cardiovascular disorders-perinatal (P20-P29)	10	12 756	2,3	10	13 271	2,3
Human immunodeficiency virus [HIV] disease (B20-B24)	...	...	...	9	13 319	2,3
Other causes		289 950	52,4		302 200	53,3
All causes		552 825	100,0		567 488	100,0

... Category not in the top ten

Although *ischaemic heart diseases* was among the ten leading underlying causes in 2003, it was not amongst the ten leading causes in 2004. The opposite was the case for *human immunodeficiency virus (HIV) disease*, which was not in the top ten causes in 2003, but was amongst the ten leading underlying causes in 2004, ranking 9th.

In summary, the following broad groups – (1) *tuberculosis*, (2) *influenza and pneumonia*, (3) *cerebrovascular diseases*, (4) *intestinal infectious diseases*, (5) *other forms of heart disease*, (6) *diabetes mellitus*, (7) *chronic lower respiratory diseases*, (8) *certain disorders involving the immune mechanism*, (9) *ischaemic heart diseases*, (10) *respiratory and cardiovascular disorders specific to the perinatal period* and (11) *human immunodeficiency virus disease* (listed here in no particular order) – were among the ten leading causes in at least one of the two years examined. More details of the specific diseases that fall into each category are presented in Appendix F.

Leading underlying natural causes of death for males and females

Tables 4.5 and 4.6 present the ten leading underlying natural causes of death for the two years for males and females separately.

The first leading natural underlying cause of death for males and females in 2003 and 2004 was *tuberculosis*, followed by *Influenza and pneumonia*. They had the same ranking in both 2003 and 2004 and accounted for approximately one-fifth of all deaths. In addition to these two causes, the other natural underlying causes that were common to both males and females and among the top ten in 2003 and 2004 were *intestinal infectious diseases*, *other forms of heart disease*, *cerebrovascular diseases*, *diabetes mellitus* and *certain diseases involving the immune mechanism* in both years.

Table 4.5: Number and percentage of deaths due to the ten leading underlying natural causes of death, for males and females: 2003

Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)	Males			Females		
	Rank	Number	%	Rank	Number	%
Tuberculosis (A15-A19)	1	37 069	13,1	1	30 351	11,3
Influenza and pneumonia (J10-J18)	2	21 363	7,6	2	23 842	8,9
Cerebrovascular diseases (I60-I69)	3	11 624	4,1	3	15 768	5,9
Other forms of heart disease (I30-I52)	4	10 820	3,8	5	13 109	4,9
Intestinal infectious diseases (A00-A09)	5	10 529	3,7	4	13 788	5,1
Chronic lower respiratory diseases (J40-J47)	6	9 592	3,4	9	6 514	2,4
Ischaemic heart diseases (I20-I25)	7	7 755	2,7	...	...	...
Certain disorders involving the immune mechanism (D80-D89)	8	6 681	2,4	7	8376	3,1
Respiratory and cardiovascular disorders-perinatal (P20-P29)	9	6 573	2,3	...	...	...
Diabetes mellitus (E10-E14)	10	6 435	2,3	6	10 299	3,8
Hypertensive diseases (I10-I15)	...	...	...	8	7 284	2,7
Human immunodeficiency virus [HIV] disease (B20-B24)	...	...	...	10	6 097	2,3
Other causes	...	153 602	54,5	...	133 433	49,6
All causes	...	282 043	100,0	...	268 861	100,0

... Category not in top ten

Excluding 1 921 cases with unknown and unspecified sex

Table 4.6: Number and percentage of deaths due to the ten leading underlying natural causes of death, for males and females: 2004

Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)	Males			Females		
	Rank	Number	%	Rank	Number	%
Tuberculosis (A15-A19)	1	37 654	13,1	1	31 886	11,4
Influenza and pneumonia (J10-J18)	2	21 010	7,3	2	24 285	8,7
Intestinal infectious diseases (A00-A09)	3	11 301	3,9	3	15 236	5,5
Other forms of heart diseases (I30-I52)	4	10 738	3,7	5	12 983	4,7
Cerebrovascular diseases (I60-I69)	5	10 671	3,7	4	14 324	5,1
Chronic lower respiratory diseases (J40-J47)	6	9 102	3,2	...	...	...
Ischaemic heart diseases (I20-I25)	7	7 338	2,6	...	...	...
Certain disorders involving the immune mechanism (D80-D89)	8	7 061	2,5	7	8 947	3,2
Respiratory and cardiovascular disorders-perinatal (P20-P29)	9	6 870	2,4	10	6 249	2,2
Diabetes mellitus (E10-E14)	10	6 641	2,3	6	10 251	3,7
Human immunodeficiency virus [HIV] disease (B20-B24)	...	...	...	9	6 976	2,5
Hypertensive diseases (I10-I15)	...	...	...	8	7 447	2,7
Other causes	...	158 727	55,3	...	140 257	50,3
All causes	...	287 113	100,0	...	278 841	100,0

... Category not in top ten

Excluding 1 534 cases with unknown and unspecified sex

Age differences

Table 4.7 presents the leading underlying natural causes of death by broad age groups of the deceased for the two years under consideration. Four broad age groups are used for this analysis: 0–14, 15–49, 50–64; and 65 and above. In all age groups, the ten leading causes in 2003 and 2004 were similar although the rankings differed. The number one underlying natural cause of death in 2003 and 2004 was *respiratory and cardiovascular disorders originating in the perinatal period* for age group 0–14; *tuberculosis* for age groups 15–49 and 50–64; and *cerebrovascular diseases* for age group 65 years and above.

The top six leading underlying natural causes of death for the age group 0–14 in 2003 and 2004 were similar in ranking. These were: *respiratory and cardiovascular disorders specific to the*

perinatal period, digestive system disorders of foetus and newborn, other disorders originating in the perinatal period, intestinal infectious diseases, influenza and pneumonia and infections specific to the perinatal period. Overall, five of the ten leading causes are related to diseases occurring during the perinatal period, which could conceal the real situation for children aged 1–14. Further details in this regard are presented in the next section.

The top five leading causes of death among those aged 15–49 were similar in 2003 and 2004 and had the same ranking. The percentage distributions of deaths associated with these five leading causes were more or less equal in the two years. *Human immunodeficiency virus disease* as a leading cause was exclusive to this age category, as were *other viral diseases* and *inflammatory diseases of the central nervous system*. When this age group was disaggregated according to the sex of the deceased (table not provided), it was found that females in this group died mainly as a result of *certain infectious and parasitic diseases*, followed by *diseases of the respiratory system*. Less than one percent died from *pregnancy, childbirth and puerperium* conditions.

In the 50–64 age group, the ten leading natural causes of death were the same in 2003 and 2004 although the ranking differed after the top seven causes. These top seven causes accounted for about 45% of all deaths.

The 65+ age category had exactly the same ten leading causes of death as the 50–64 age group, although not in the same ranking order and with varying numbers of associated deaths. *Cerebrovascular diseases, other forms of heart disease, diabetes mellitus, hypertensive diseases and ischaemic heart diseases* were more prevalent among those aged 65 years and above than those aged 50–64. *Influenza and pneumonia, chronic lower respiratory diseases, malignant neoplasms of the digestive organs, tuberculosis and intestinal infectious diseases* were higher or more or less equal among those aged 50–64 than those aged 65 and above.

Table 4.7: Ten leading underlying natural causes of death for each age group: 2003 and 2004

<i>Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)</i>	2003*			2004**		
	Rank	Number	%	Rank	Number	%
0–14 years						
Resp and cardiovascular disorders-perinatal period (P20-P29)	1	12 624	21,0	1	13 201	20,0
Digestive system disorders of foetus and newborn (P75-P78)	2	7 523	12,5	2	8 551	12,9
Other disorders originating in the perinatal period (P90-P96)	3	4 131	6,9	3	5 126	7,8
Intestinal infectious diseases (A00-A09)	4	3 831	6,4	4	4 389	6,6
Influenza and pneumonia (J10-J18)	5	2 631	4,4	5	2 974	4,5
Infections specific to the perinatal period (P35-P39)	6	2 126	3,5	6	2 195	3,3
Disorders related to length of gestation and foetal growth (P05-P08)	7	1 996	3,3	10	1 643	2,5
Certain disorders involving the immune mechanism (D80-D89)	8	1 820	3,0	8	1 861	2,8
Tuberculosis (A15-A19)	9	1 587	2,6	9	1 753	2,7
Malnutrition (E40-E46)	10	1 532	2,5	7	1 888	2,9
Other causes	...	20 430	33,9	...	22 491	34,0
All causes	...	60 231	100,0	...	66 072	100,0
15–49 years						
Tuberculosis (A15-A19)	1	51 520	19,6	1	53 615	19,4
Influenza and pneumonia (J10-J18)	2	29 261	11,1	2	29 683	10,7
Intestinal infectious diseases (A00-A09)	3	14 402	5,5	3	16 360	5,9
Certain disorders involving the immune mechanism (D80-D89)	4	11 765	4,5	4	12 511	4,5
Human immunodeficiency virus [HIV] disease (B20-B24)	5	9 777	3,7	5	11 082	4,0
Other forms of heart diseases (I30-I52)	6	6 071	2,3	7	6 164	2,2
Other viral diseases (B25-B34)	7	6 039	2,3	6	7 086	2,6
Cerebrovascular diseases (I60-I69)	8	5 202	2,0	9	4 450	1,6
Inflammatory diseases of the central nervous system (G00-G09)	9	4 850	1,8	8	5 860	2,1
Chronic lower respiratory diseases (J40-J47)	10	3 942	1,5	10	3 852	1,4
Other causes	...	119 715	45,6	...	125 597	45,5
All causes	...	262 544	100,0	...	276 260	100,0
50–64 years						
Tuberculosis (A15-A19)	1	9 968	10,9	1	10 161	10,8
Cerebrovascular diseases (I60-I69)	2	6 742	7,3	2	6 459	6,9
Influenza and pneumonia (J10-J18)	3	6 005	6,5	3	6 043	6,4
Diabetes mellitus (E10-E14)	4	5 441	5,9	4	5 614	6,0
Other forms of heart diseases (I30-I52)	5	5 158	5,6	5	5 221	5,5
Chronic lower respiratory diseases (J40-J47)	6	4 605	5,0	6	4 538	4,8
Ischaemic heart diseases (I20-I25)	7	3 804	4,1	7	3 684	3,9
Malignant neoplasms of digestive organs (C15-C26)	8	3 309	3,6	9	3 276	3,5
Hypertensive diseases (I10-I15)	9	2 982	3,2	8	3 306	3,5
Intestinal infectious diseases (A00-A09)	10	2 747	3,0	10	3 027	3,2
Other causes	...	41 071	44,7	...	42 891	45,5
All causes	...	91 832	100,0	...	94 220	100,0
65 years and above						
Cerebrovascular diseases (I60-I69)	1	15 301	11,3	1	13 936	10,9
Other forms of heart diseases (I30-I52)	2	12 339	9,1	2	11 906	9,3
Diabetes mellitus (E10-E14)	3	8 862	6,5	3	8 655	6,8
Ischaemic heart diseases (I20-I25)	4	7 365	5,4	4	7 137	5,6
Influenza and pneumonia (J10-J18)	5	7 310	5,4	7	6 508	5,1
Chronic lower respiratory diseases (J40-J47)	6	7 306	5,4	6	6 670	5,2
Hypertensive diseases (I10-I15)	7	6 922	5,1	5	6 772	5,3
Malignant neoplasms of digestive organs (C15-C26)	8	4 415	3,3	8	4 603	3,6
Tuberculosis (A15-A19)	9	4 113	3,0	9	3 709	2,9
Intestinal infectious diseases (A00-A09)	10	3 295	2,4	10	2 676	2,1
Other causes	...	58 220	43,0	...	55 439	43,3
All causes	...	135 448	100,0	...	128 011	100,0

*Excluding 2 770 cases with unspecified age **Excluding 2 925 cases with unspecified age

... Category not in top ten

Leading natural underlying causes of infant and child mortality

Table 4.8 shows the variation of leading natural underlying causes of death across the two years for all children younger than one year and those aged one to four years. An additional grouping of 15–24 years has been provided as suggested in the ICD-10 recommendations, for purposes of international comparison. For the two years, the top leading natural underlying cause of death was *respiratory and cardiovascular disorders originating in the perinatal period* for infants aged less than one, *intestinal infectious diseases* for those aged between one and four and *tuberculosis* among those aged 15–24. *Certain disorders involving the immune mechanism* was the only cause amongst the ten leading causes that was common in all the three age groups and for the two years.

Infants (aged less than one year) had eight of the ten leading causes of death in common across the two years, although not in the same order after the five top causes which were similar in ranking. Overall, eight of the ten leading causes are related to diseases specific to the perinatal period. Deaths that occurred to infants are further disaggregated into neonatal and post-neonatal deaths and the underlying causes of death for neonatal and post-neonatal deaths are provided in Appendix G.

The aggregated 0–14 age group did not have *human immunodeficiency virus disease* as one of the leading causes of death. When this age group was disaggregated into those aged less than one year and 1–4 years, *human immunodeficiency virus disease* appears in seventh and sixth position in 2003 and 2004 respectively in the 1–4 years age group although it was not among the ten leading causes in the 0–14 aggregated age group.

In the age group 1–4 years almost all of the ten leading causes were similar in 2003 and 2004 with an exception of *other forms of heart diseases* which fell off the list of the ten leading causes and *non-infective enteritis and colitis* which was not among the ten leading natural underlying causes in 2003 but ranked tenth in 2004. All the ten leading causes of death among 1–4 year olds which were common to both years showed a slight increase in the two years.

Malnutrition ranked ninth among infants aged less than one year in 2004 and accounted for less than 2% of deaths in that age group. It ranked third among children aged 1–4 in 2003 and 2004 although its relative contribution to all deaths occurring in this age group declined. The absolute number of deaths associated with *malnutrition* increased slightly.

The top six leading causes of death in the age group 15–24 years had the same ranking in 2003 and 2004. These were: *tuberculosis, influenza and pneumonia, intestinal infectious diseases, certain disorders involving the immune mechanism, human immunodeficiency virus disease and inflammatory diseases of the central nervous system*. *Other forms of heart disease, other viral diseases, and episodic and paroxysmal disorders* were also common in the two years although their ranking differed. *Cerebrovascular diseases* was amongst the top ten leading causes in 2003 but fell off the list of ten leading natural underlying causes in 2004 while *protozoal diseases* were not among the top ten causes in 2003 but ranked tenth in 2004.

Table 4.8: The ten leading underlying natural causes of death for selected age groups: 2003 and 2004

Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)	2003			2004		
	Rank	Number	%	Rank	Number	%
Less than 1 year						
Respiratory & cardiovascular disorders-perinatal period (P20-P29)	1	12 624	33,0	1	13 201	32,5
Digestive system disorders of foetus and newborn (P75-P78)	2	7 523	19,7	2	8 551	21,1
Other disorders originating in the perinatal period (P90-P96)	3	4 131	10,8	3	5 126	12,6
Infections specific to the perinatal period (P35-P39)	4	2 126	5,6	4	2 195	5,4
Disorders related to length of gestation and foetal growth (P05-P08)	5	1 996	5,2	5	1 643	4,0
Certain disorders involving the immune mechanism (D80-D89)	6	1 066	2,8	6	1 020	2,5
Foetus and newborn affected by maternal factors (P00-P04)	7	869	2,3	...	...	...
Transitory endocrine & metabolic disorders specific-foetus & newborn (P70-P74)	8	691	1,8	10	725	1,8
Other viral diseases (B25-B34)	9	681	1,8	...	...	...
Haemorrhagic & haematological disorders-foetus and newborn (P50-P61)	10	668	1,7	7	774	1,9
Protozoal diseases (B50-B64)	...	...	...	8	751	1,8
Malnutrition (E40-E46)	...	...	...	9	746	1,8
Other causes		5 867	15,3		5 872	14,5
All causes		38 242	100,0		40 604	100,0
1-4 years						
Intestinal infectious diseases (A00-A09)	1	3 089	23,1	1	3 608	23,0
Influenza and pneumonia (J10-J18)	2	1 892	14,1	2	2 124	13,5
Malnutrition (E40-E46)	3	969	7,2	3	1 068	6,8
Tuberculosis (A15-A19)	4	813	6,1	4	854	5,4
Certain disorders involving the immune mechanism (D80-D89)	5	563	4,2	5	553	3,5
Other viral diseases (B25-B34)	6	361	2,7	7	319	2,0
Human immunodeficiency virus [HIV] disease (B20-B24)	7	298	2,2	6	382	2,4
Inflammatory diseases of the central nervous system (G00-G09)	8	180	1,3	8	207	1,3
Metabolic disorders (E70-E88)	9	160	1,2	9	185	1,2
Other forms of heart disease (I30-I52)	10	159	1,2	...	...	...
Noninfective enteritis and colitis (K50-K52)	...	...	...	10	184	1,2
Other causes	...	4 901	36,6	...	6 217	39,6
All causes	...	13 385	100,0	...	15 701	100,0
15-24 years						
Tuberculosis (A15-A19)	1	5 023	14,9	1	5 021	14,7
Influenza and pneumonia (J10-J18)	2	3 054	9,1	2	2 929	8,6
Intestinal infectious diseases (A00-A09)	3	1 520	4,5	3	1 663	4,9
Certain disorders involving the immune mechanism (D80-D89)	4	1 176	3,5	4	1 171	3,4
Human immunodeficiency virus [HIV] disease (B20-B24)	5	930	2,8	5	1 010	3,0
Inflammatory diseases of the central nervous system (G00-G09)	6	686	2,0	6	860	2,5
Other forms of heart disease (I30-I52)	7	618	1,8	8	639	1,9
Other viral diseases (B25-B34)	8	603	1,8	7	701	2,1
Episodic and paroxysmal disorders (G40-G47)	9	389	1,2	9	362	1,1
Cerebrovascular diseases (I60-I69)	10	374	1,1	...	...	...
Protozoal diseases (B50-B64)	...	...	...	10	334	1,0
Other causes	...	19 352	57,4	...	19 504	57,0
All causes	...	33 725	100,0	...	34 194	100,0

... Category not in top ten

Provincial differences

Table 4.9 shows the provincial variations in the ten leading underlying natural causes of death in 2003 and 2004. The ten leading causes of death in all provinces for these two years were similar, with the exception of *digestive system disorders of foetus and newborns* and *other viral disease* which were not among the ten leading causes in 2003 but were among the ten leading causes in 2004.

2003

The ten leading causes of death that were common to all provinces were *tuberculosis*, *cerebrovascular diseases*, *chronic lower respiratory diseases*, *other forms of heart diseases* and *influenza and pneumonia*. These causes were also found to be among the ten leading causes in the country in 2003. Other causes which were among the ten leading causes of death for the whole of South Africa showed the following provincial variations:

- Four provinces, that is, Western Cape, Northern Cape, KwaZulu-Natal and Gauteng were the only provinces that had *ischaemic heart diseases* among the top ten leading causes.
- Six provinces, Free State, KwaZulu-Natal, North West, Gauteng, Mpumalanga and Limpopo provinces had *respiratory and cardiovascular disorders specific to the perinatal period* among the top ten leading causes.
- North West was the only province that did not have *diabetes mellitus* among the ten leading causes.
- Six of the provinces, that is Eastern Cape, Free State, North West, Gauteng, Mpumalanga, Limpopo had *certain disorders involving the immune mechanism* in the top ten leading causes of death.
- In only two provinces, namely, Free State and North West, *human immunodeficiency virus (HIV) disease* and *certain disorders involving the immune mechanism* were both among the top ten leading causes.

2004

In 2004, all provinces except Free State and Limpopo had *tuberculosis* as the first leading underlying cause of death. The first leading cause of death in Free State was *hypertensive diseases*. *Influenza and pneumonia* was the first leading cause in Limpopo. When considering only the ten leading underlying natural causes of death, *other viral diseases* were exclusive to Gauteng; *digestive system disorders of foetus and newborn* was exclusive to Free State; and *malignant neoplasms of respiratory and intrathoracic organs* was exclusive to Western Cape.

The ten leading causes of death that were common to all provinces were *tuberculosis*, *cerebrovascular diseases* and *other forms of heart diseases*. These causes were also found to be among the ten leading causes in the country in 2004. Other causes which were among the ten leading causes of death for the whole of South Africa showed the following provincial variation:

- Six provinces, Eastern Cape, KwaZulu-Natal, North West, Gauteng, Mpumalanga and Limpopo had *influenza and pneumonia* among the top ten leading causes.
- Gauteng was the only province that did not have *chronic lower respiratory diseases* as one of the ten leading causes and North West was the only province that did not have *diabetes mellitus* among the ten leading causes.
- Five provinces, namely Western Cape, Eastern Cape, Northern Cape, KwaZulu-Natal and North West had *human immunodeficiency virus (HIV) disease* among the top ten underlying causes of death.

- All provinces, with an exception of the Western Cape and KwaZulu-Natal had *certain disorders involving the immune mechanism* in the top ten leading natural causes of death.
- Three provinces, namely Eastern Cape, Northern Cape and North West had both *human immunodeficiency virus (HIV) disease* and *certain disorders involving the immune mechanism* among the top ten leading causes.

Detailed tables with the top ten leading underlying causes of death broken down by province, sex and age group, for each of the two years, are provided in Appendix H. The appendix also provides information for 1997 to 2002 that enables historical comparison.

Table 4.9: Ten leading underlying natural causes of death in each province: 2003 and 2004

Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)	Western Cape		Eastern Cape		Northern Cape		Free State		KwaZulu-Natal		North West		Gauteng		Mpumalanga		Limpopo											
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%										
Tuberculosis (A15-A19) 2003	1	4 162	9,4	1	10 712	13,1	1	1 478	12,3	2	5 694	12,5	1	20 724	16,0	1	5 958	12,0	1	10 056	9,7	1	4 996	12,2	2	3 807	8,5	
Cerebrovascular diseases (I60-I69)	2	2 888	6,5	3	4 085	5,0	3	739	6,2	6	2 004	4,4	4	6 586	5,1	4	2 467	5,0	4	4 308	4,2	4	2 114	5,1	4	2 241	5,0	
Ischaemic heart diseases (I20-I25)	3	2 822	6,3	...	...	...	6	423	3,5	...	...	...	8	2 828	2,2	...	...	...	6	3 151	3,0	...	...	...	...	...	...
Diabetes mellitus (E10-E14)	4	2 430	5,5	7	2 517	3,1	9	323	2,7	10	931	2,0	6	4 296	3,3	...	...	...	7	2 952	2,8	9	1 042	2,5	7	1 193	2,7
Chronic lower respiratory diseases (J40-J47)	5	1 890	4,3	4	3 770	4,6	5	535	4,5	9	1 012	2,2	7	3 005	2,3	9	1 304	2,6	10	2 524	2,4	10	976	2,4	8	1 112	2,5	
Other forms of heart disease (I30-I52)	6	1 710	3,8	5	3 352	4,1	4	574	4,8	3	2 279	5,0	5	4 894	3,8	3	3 015	6,1	3	4 558	4,4	6	1 682	4,1	5	1 918	4,3	
Malignant neoplasms of digestive organs (C15-C26)	7	1 603	3,6	9	1 818	2,2	10	308	2,6
Human immunodeficiency virus [HIV] disease (B20-B24)	8	1 508	3,4	7	362	3,0	8	1 018	2,2	10	2 603	2,0	10	1 111	2,2
Malignant neoplasms-resp. & intrathor. organs (C30-C39)	9	1 337	3,0	10	1 793	2,2
Influenza and pneumonia (J10-J18)	10	1 054	2,4	2	4 457	5,5	2	838	7,0	1	6 028	13,2	2	9 347	7,2	2	5 565	11,2	2	8 365	8,1	2	4 712	11,5	1	4 971	11,1	
Intestinal infectious diseases (A00-A09)	...	...	...	6	3 214	3,9	8	335	2,8	4	2 279	5,0	3	6 603	5,1	5	2 277	4,6	5	3 336	3,2	3	2 916	7,1	3	2 864	6,4
Certain disorders of the immune mechanism (D80-D89)	...	...	...	8	2 052	2,5	...	...	...	5	2 043	4,5	...	...	...	6	2 264	4,6	8	2 832	2,7	5	1 697	4,1	6	1 275	2,9
Resp. & cardiovascular disorders-perinatal period (P20-P29)	...	...	...	...	...	...	...	...	...	7	1 579	3,5	9	2 740	2,1	7	1 659	3,3	9	2 811	2,7	7	1 165	2,8	10	742	1,7
Hypertensive diseases (I10-I15)	...	...	...	...	...	...	...	...	...	...	...	...	8	1 515	3,1	...	...	...	8	1 054	2,6	9	994	2,2	9	994	2,2
Other causes	...	23 047	51,8	...	43 950	53,8	...	6 055	50,6	...	20 857	45,6	...	65 961	50,9	...	22 520	45,4	...	58 759	56,7	...	18 735	45,6	...	23 608	52,8	
All causes	...	44 451	100,0	...	81 720	100,0	...	11 970	100,0	...	45 724	100,0	...	129 587	100,0	...	49 655	100,0	...	103 652	100,0	...	41 089	100,0	...	44 725	100,0	
Tuberculosis (A15-A19) 2004	1	3 938	9,0	1	11 262	13,2	1	1 579	12,7	2	5 663	11,6	1	21 499	16,4	1	5 899	11,6	1	10 438	9,9	1	5 335	12,5	2	4 044	8,7	
Ischaemic heart diseases (I20-I25)	2	2 756	6,3	...	...	...	9	398	3,2	...	...	...	9	2 658	2,0	...	...	...	6	3 068	2,9	...	...	...	...	...	...
Cerebrovascular diseases (I60-I69)	3	2 533	5,8	3	3 729	4,4	3	652	5,2	6	1 895	3,9	4	5 713	4,4	6	2 225	4,4	4	4 201	4,0	4	1 932	4,5	5	2 113	4,5	
Diabetes mellitus (E10-E14)	4	2 427	5,5	7	2 395	2,8	10	300	2,4	10	1 016	2,1	6	4 283	3,3	...	...	...	7	2 978	2,8	8	1 114	2,6	6	1 290	2,8
Chronic lower respiratory diseases (J40-J47)	5	1 828	4,2	4	3 580	4,2	4	553	4,4	8	1 054	2,2	8	2 794	2,1	9	1 296	2,6	...	...	...	10	952	2,2	9	997	2,1
Malignant neoplasms of digestive organs (C15-C26)	6	1 641	3,7	10	1 919	2,3
Other forms of heart disease (I30-I52)	7	1 636	3,7	6	3 171	3,7	5	534	4,3	4	2 320	4,8	5	4 643	3,5	3	2 954	5,8	3	4 515	4,3	6	1 717	4,0	4	2 249	4,8	
Human immunodeficiency virus [HIV] disease (B20-B24)	8	1 590	3,6	9	2 244	2,6	6	436	3,5	7	3 064	2,3	10	1 295	2,6
Malignant neoplasms-resp & intrathoracic organs (C30-C39)	9	1 426	3,2
Hypertensive diseases (I10-I15)	10	1 011	2,3	...	...	...	2	863	6,9	1	6 549	13,4	...	...	...	7	1 458	2,9	...	...	...	9	1 095	2,6	8	1 140	2,5
Influenza and pneumonia (J10-J18)	...	...	...	2	4 541	5,3	...	...	...	...	...	...	2	8 997	6,9	2	5 017	9,9	2	8 607	8,1	2	4 394	10,3	1	5 378	11,6
Intestinal infectious diseases (A00-A09)	...	...	...	5	3 336	3,9	7	426	3,4	3	2 887	5,9	3	6 933	5,3	4	2 503	4,9	5	3 900	3,7	3	2 599	6,1	3	3 447	7,4
Certain disorders of the immune mechanism (D80-D89)	...	...	...	8	2 110	2,5	8	403	3,2	5	2 275	4,7	...	...	...	5	2 314	4,6	8	2 965	2,8	5	1 789	4,2	7	1 189	2,6
Digestive system disorders of foetus & newborn (P75-P78)	9	1 028	2,1
Resp & cardiovascular disorders-perinatal period (P20-P29)	...	...	...	...	...	...	...	...	...	7	1 721	3,5	10	2 578	2,0	8	1 804	3,6	9	2 818	2,7	7	1 249	2,9	10	961	2,1
Other viral diseases (B25-B34)	10	2 581	2,4
Other causes	...	23 195	52,7	...	46 902	55,1	...	6 287	50,6	...	22 410	45,9	...	67 895	51,8	...	23 983	47,3	...	59 716	56,4	...	20 372	47,9	...	23 710	51,0	
All causes	...	43 981	100,0	...	85 189	100,0	...	12 431	100,0	...	48 818	100,0	...	131 057	100,0	...	50 748	100,0	...	105 787	100,0	...	42 548	100,0	...	46 518	100,0	

.... Category not in top ten.

Excluding 252 cases of unknown or unspecified province, or death taking place outside South Africa, in 2003 and 411 cases in 2004;

4.6 Non-natural causes of death

As indicated in the introduction, documenting non-natural causes of death is crucial considering the high levels of violence experienced in the country. When completing the death notification form, medical practitioners are expected to specify whether the deceased died from natural or non-natural causes. In addition, from the cause of death specified on the death notification form and the resulting ICD-10 code, it can be determined whether the cause of death was natural or non-natural. This release makes use of the latter method and therefore treats codes V01-Y98 – external causes of morbidity and mortality – as non-natural causes of death.

According to the law, the police have final responsibility for indicating the specific cause of death whenever a non-natural death occurs. The law also allows the police to complete the death notification forms without explicitly stating the cause of death where it is difficult to ascertain. These cases were omitted from this analysis.

Non-natural deaths mainly comprised deaths due to *events of undetermined intent* for all the years. For the two years, the proportion of deaths classified as due to *events of undetermined intent* decreased from 7% in 2003 to 6% in 2004. Table 4.10 provides a disaggregation of the broad group of *events of undetermined intent* to provide a further understanding of the specific events captured by this grouping.

Table 4.10: Events of undetermined intent: 2003 and 2004

Causes of death (Based on the Tenth Revision, International Classification of Disease, 1992)	Deaths		%	
	2003	2004	2003	2004
Y10 Poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics	4	6	0,0	0,0
Y11 Poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, n.e.c	8	12	0,0	0,0
Y12 Poisoning by and exposure to narcotics and psychodysleptics (hallucinogens), n.e.c	1	5	0,0	0,0
Y13 Poisoning by and exposure to other drugs acting on the autonomic nervous system	4	0	0,0	0,0
Y14 Poisoning by and exposure to other and unspecified drugs, medicaments and biological substances	153	256	0,4	0,7
Y15 Poisoning by and exposure to alcohol	43	43	0,1	0,1
Y16 Poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours	21	24	0,1	0,1
Y17 Poisoning by and exposure to other gases and vapours	337	346	0,9	1,0
Y18 Poisoning by and exposure to pesticides	147	190	0,4	0,5
Y19 Poisoning by and exposure to other and unspecified chemicals and noxious substances	379	372	1,0	1,0
Y20 Hanging, strangulation and suffocation	2 795	2 844	7,2	7,9
Y21 Drowning and submersion	1 335	1 358	3,4	3,8
Y22 Handgun discharge	6	4	0,0	0,0
Y23 Rifle, shotgun and large firearm discharge	27	21	0,1	0,1
Y24 Other and unspecified firearm discharge	8 015	6 086	20,6	16,8
Y25 Contact with explosive material	11	10	0,0	0,0
Y26 Exposure to smoke, fire and flames	2 039	2 009	5,3	5,6
Y27 Contact with steam, hot vapours and hot objects	1	2	0,0	0,0
Y28 Contact with sharp object	3 218	1 863	8,3	5,2
Y29 Contact with blunt object	1 501	1 778	3,9	4,9
Y30 Falling, jumping or pushed from a high place	14	23	0,0	0,1
Y31 Falling, lying or running before or into moving object	21	27	0,1	0,1
Y32 Crashing of motor vehicle	9	15	0,0	0,0
Y33 Other specified events	54	44	0,1	0,1
Y34 Unspecified event	18 671	18 827	48,1	52,1
Total	38 814	36 165	100,0	100,0

Tables 4.11 and 4.12 show the age and sex distribution of the broad groups of underlying non-natural causes of death in 2003 and 2004. Given a small number of broad groups of non-natural causes of death, all broad groups are reported and not the ten leading causes. These causes of death, in order of relative importance and in both years, were: (1) *events of undetermined intent*; (2) *transport accidents*; (3) *other external causes of accidental injury*; (4) *assault* (5) *complications of medical and surgical care*; (6) *intentional self-harm* (7) *sequelae of external causes of morbidity and mortality*; and (8) *legal intervention and operations of war*.

In 2003 and 2004, the percentage of all deaths linked to *complications of medical and surgical care* was highest in the 0–14 and 65 and above age groups. In addition the percentage was proportionally higher among females than males in both age groups for both years. *Transport accidents* were highest in the 0–14 and the 50–64 age groups. Assault was highest in the 15–49 age group. The percentage of deaths linked to *transport accidents* were generally the same for males and females.

Table 4.13 below, gives the provincial distribution of non-natural causes of death in the country in 2003 and 2004 by age. When compared to other provinces, Western Cape had the highest percentage of deaths linked to non-natural underlying causes of death. In all provinces, there was an increase between 2003 and 2004 in deaths associated with assaults. In Northern Cape and North West, the number of non-natural deaths linked to *assault* more than doubled between 2003 and 2004. In all provinces, except KwaZulu-Natal, there was also a slight increase in *transport accidents*.

Table 4.11: Underlying non-natural causes of death by age group and sex: 2003

	Number of deaths					%				
	0-14	15-49	50-64	65+	Total	0-14	15-49	50-64	65+	Total
Total*										
Events of undetermined intent (Y10-Y34)	3 031	29 074	4 253	2 057	38 415	64,7	77,6	72,3	52,5	74,0
Transport accidents (V01-V99)	502	3 090	565	249	4 406	10,7	8,3	9,6	6,4	8,5
Other external causes of accidental injury (W00-X59)	524	2 146	477	1 060	4 207	11,2	5,7	8,1	27,0	8,1
Assault (X85-Y09)	49	2 199	208	76	2 532	1,0	5,9	3,5	1,9	4,9
Complications of medical and surgical care (Y40-Y84)	565	685	336	455	2 041	12,1	1,8	5,7	11,6	3,9
Intentional self-harm (X60-X84)	7	205	31	13	256	0,1	0,5	0,5	0,3	0,5
Sequelae of external causes of morbidity and mortality (Y85-Y89)	7	38	9	6	60	0,1	0,1	0,2	0,2	0,1
Legal intervention and operations of war (Y35-Y36)	0	10	2	3	15	0,0	0,0	0,0	0,1	0,0
All non-natural causes	4 685	37 447	5 881	3 919	51 932	100,0	100,0	100,0	100,0	100,0
All natural causes	55 546	225 097	85 951	131 529	498 123	92,2	85,7	93,6	97,1	90,6
All underlying causes	60 231	262 544	91 832	135 448	550 055	100,0	100,0	100,0	100,0	100,0
Male**										
Events of undetermined intent (Y10-Y34)	1 818	23 545	3 219	1 168	29 750	65,8	78,4	74,3	58,5	76,0
Transport accidents (V01-V99)	294	2 367	395	138	3 194	10,6	7,9	9,1	6,9	8,2
Other external causes of accidental injury (W00-X59)	314	1 632	312	411	2 669	11,4	5,4	7,2	20,6	6,8
Assault (X85-Y09)	34	1 892	164	44	2 134	1,2	6,3	3,8	2,2	5,5
Complications of medical and surgical care (Y40-Y84)	298	398	209	223	1 128	10,8	1,3	4,8	11,2	2,9
Intentional self-harm (X60-X84)	4	156	27	6	193	0,1	0,5	0,6	0,3	0,5
Sequelae of external causes of morbidity and mortality (Y85-Y89)	3	34	8	5	50	0,1	0,1	0,2	0,3	0,1
Legal intervention and operations of war (Y35-Y36)	0	7	1	3	11	0,0	0,0	0,0	0,2	0,0
All non-natural causes	2 765	30 031	4 335	1 998	39 129	100,0	100,0	100,0	100,0	100,0
All natural causes	28 925	104 772	50 437	57 143	241 277	91,3	77,7	92,1	96,6	86,0
All underlying causes	31 690	134 803	54 772	59 141	280 406	100,0	100,0	100,0	100,0	100,0
Female***										
Events of undetermined intent (Y10-Y34)	1 192	5 456	1 024	888	8 560	63,3	74,5	66,8	46,3	67,6
Transport accidents (V01-V99)	203	715	168	111	1 197	10,8	9,8	11,0	5,8	9,5
Other external causes of accidental injury (W00-X59)	209	510	165	648	1 532	11,1	7,0	10,8	33,8	12,1
Assault (X85-Y09)	12	304	44	32	392	0,6	4,2	2,9	1,7	3,1
Complications of medical and surgical care (Y40-Y84)	261	283	127	231	902	13,9	3,9	8,3	12,0	7,1
Intentional self-harm (X60-X84)	3	49	4	7	63	0,2	0,7	0,3	0,4	0,5
Sequelae of external causes of morbidity and mortality (Y85-Y89)	4	4	1	1	10	0,2	0,1	0,1	0,1	0,1
Legal intervention and operations of war (Y35-Y36)	0	3	1	0	4	0,0	0,0	0,1	0,0	0,0
All non-natural causes	1 884	7 324	1 534	1 918	12 660	100,0	100,0	100,0	100,0	100,0
All natural causes	26 100	119 678	35 359	74 134	255 271	93,3	94,2	95,8	97,5	95,3
All underlying causes	27 984	127 002	36 893	76 052	267 931	100,0	100,0	100,0	100,0	100,0

* Excluding 2 770 cases with unspecified age

** Excluding 1 637 cases with unspecified age

*** Excluding 930 cases with unspecified age

The total excludes 1 718 cases with unknown / unspecified sex

Table 4.12: Underlying non-natural causes of death by age group and sex: 2004

	Number of deaths					%				
	0-14	15-49	50-64	65+	Total	0-14	15-49	50-64	65+	Total
Total*										
Events of undetermined intent (Y10-Y34)	3 040	26 436	4 013	2 125	35 614	60,4	72,0	68,2	51,3	68,8
Transport accidents (V01-V99)	674	3 526	622	294	5 116	13,4	9,6	10,6	7,1	9,9
Other external causes of accidental injury (W00-X59)	557	2 038	571	1 143	4 309	11,1	5,6	9,7	27,6	8,3
Assault (X85-Y09)	73	3 621	328	151	4 173	1,4	9,9	5,6	3,6	8,1
Complications of medical and surgical care (Y40-Y84)	668	638	278	371	1 955	13,3	1,7	4,7	9,0	3,8
Intentional self-harm (X60-X84)	11	310	43	21	385	0,2	0,8	0,7	0,5	0,7
Sequelae of external causes of morbidity and mortality (Y85-Y89)	14	123	29	33	199	0,3	0,3	0,5	0,8	0,4
Legal intervention and operations of war (Y35-Y36)	0	11	1	1	13	0,0	0,0	0,0	0,0	0,0
All non-natural causes	5 037	36 703	5 885	4 139	51 764	100,0	100,0	100,0	100,0	100,0
All natural causes	61 035	239 557	88 335	123 872	512 799	92,4	86,7	93,8	96,8	90,8
All underlying causes	66 072	276 260	94 220	128 011	564 563	100,0	100,0	100,0	100,0	100,0
Male**										
Events of undetermined intent (Y10-Y34)	1 874	21 145	2 953	1 245	27 217	62,6	72,3	69,6	57,4	70,4
Transport accidents (V01-V99)	380	2 713	439	183	3 715	12,7	9,3	10,3	8,4	9,6
Other external causes of accidental injury (W00-X59)	328	1 529	367	429	2 653	11,0	5,2	8,7	19,8	6,9
Assault (X85-Y09)	44	3 141	254	96	3 535	1,5	10,7	6,0	4,4	9,1
Complications of medical and surgical care (Y40-Y84)	349	360	172	187	1 068	11,7	1,2	4,1	8,6	2,8
Intentional self-harm (X60-X84)	8	239	33	14	294	0,3	0,8	0,8	0,6	0,8
Sequelae of external causes of morbidity and mortality (Y85-Y89)	9	102	23	14	148	0,3	0,3	0,5	0,6	0,4
Legal intervention and operations of war (Y35-Y36)	0	9	1	1	11	0,0	0,0	0,0	0,0	0,0
All non-natural causes	2 992	29 238	4 242	2 169	38 641	100,0	100,0	100,0	100,0	100,0
All natural causes	31 696	109 495	51 004	54 469	246 664	91,4	78,9	92,3	96,2	86,5
All underlying causes	34 688	138 733	55 246	56 638	285 305	100,0	100,0	100,0	100,0	100,0
Female***										
Events of undetermined intent (Y10-Y34)	1 152	5 249	1 056	878	8 335	57,0	70,9	64,7	44,7	64,0
Assault (X85-Y09)	28	477	74	54	633	1,4	6,4	4,5	2,7	4,9
Transport accidents (V01-V99)	294	806	182	111	1 393	14,5	10,9	11,1	5,6	10,7
Other external causes of accidental injury (W00-X59)	227	504	201	714	1 646	11,2	6,8	12,3	36,3	12,6
Complications of medical and surgical care (Y40-Y84)	313	278	105	184	880	15,5	3,8	6,4	9,4	6,8
Intentional self-harm (X60-X84)	3	71	9	6	89	0,1	1,0	0,6	0,3	0,7
Sequelae of external causes of morbidity and mortality (Y85-Y89)	5	21	6	19	51	0,2	0,3	0,4	1,0	0,4
Legal intervention and operations of war (Y35-Y36)	0	2	0	0	2	0,0	0,0	0,0	0,0	0,0
All non-natural causes	2 022	7 408	1 633	1 966	13 029	100,0	100,0	100,0	100,0	100,0
All natural causes	28 767	129 629	37 236	69 290	264 922	93,4	94,6	95,8	97,2	95,3
All underlying causes	30 789	137 037	38 869	71 256	277 951	100,0	100,0	100,0	100,0	100,0

* Excluding 2 925 cases with unspecified age

** Excluding 1 808 cases with unspecified age

*** Excluding 890 cases with unspecified age

The total excludes 1 307 cases with unknown / unspecified sex

Table 4.13: Leading underlying non-natural causes of death by province: 2003 and 2004

	Western Cape		Eastern Cape		Northern Cape		Free State		KwaZulu-Natal		North West		Gauteng		Mpumalanga		Limpopo		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
2003																			
Assault (X85-Y09)	483	7,0	781	9,9	115	10,5	165	5,2	535	4,7	106	3,0	180	1,5	85	2,5	119	3,5	
Complications of medical and surgical care (Y40-Y84)	160	2,3	258	3,3	30	2,7	108	3,4	478	4,2	152	4,3	451	3,8	173	5,0	239	7,0	
Events of undetermined intent (Y10-Y34)	5 390	78,5	5 154	65,6	683	62,3	2 263	71,2	8 279	73,3	2 707	77,2	9 953	84,5	2 485	72,1	1 868	54,4	
Intentional self-harm (X60-X84)	34	0,5	42	0,5	18	1,6	19	0,6	53	0,5	31	0,9	19	0,2	23	0,7	20	0,6	
Legal intervention and operations of war (Y35-Y36)	0	0,0	5	0,1	0	0,0	3	0,1	3	0,0	1	0,0	2	0,0	1	0,0	0	0,0	
Other external causes of accidental injury (W00-X59)	509	7,4	724	9,2	133	12,1	267	8,4	991	8,8	283	8,1	703	6,0	322	9,3	329	9,6	
Sequelae of external causes of morbidity and mortality (Y85-Y89)	3	0,0	4	0,1	1	0,1	1	0,0	43	0,4	2	0,1	2	0,0	2	0,1	2	0,1	
Transport accidents (V01-V99)	288	4,2	893	11,4	117	10,7	353	11,1	906	8,0	224	6,4	464	3,9	355	10,3	854	24,9	
All non-natural causes	6 867	100,0	7 861	100,0	1 097	100,0	3 179	100,0	11 288	100,0	3 506	100,0	11 774	100,0	3 446	100,0	3 431	100,0	
All natural causes	37 584	84,6	73 859	90,4	10 873	90,8	42 545	93,0	118 299	91,3	46 149	92,9	91 878	88,6	37 643	91,6	41 294	92,3	
Total	44 451	100,0	81 720	100,0	11 970	100,0	45 724	100,0	129 587	100,0	49 655	100,0	103 652	100,0	41 089	100,0	44 725	100,0	
2004																			
Assault (X85-Y09)	731	11,1	1 127	14,2	232	19,8	295	9,2	926	8,2	242	7,0	302	2,6	160	4,5	207	5,7	
Complications of medical and surgical care (Y40-Y84)	143	2,2	204	2,6	28	2,4	99	3,1	516	4,6	146	4,2	404	3,5	161	4,5	264	7,3	
Events of undetermined intent (Y10-Y34)	4 889	73,9	4 717	59,4	516	44,0	2 051	64,1	7 666	67,9	2 425	69,8	9 522	82,5	2 514	70,2	1 829	50,2	
Intentional self-harm (X60-X84)	48	0,7	65	0,8	43	3,7	27	0,8	88	0,8	39	1,1	18	0,2	36	1,0	25	0,7	
Legal intervention and operations of war (Y35-Y36)	4	0,1	1	0,0	0	0,0	1	0,0	3	0,0	1	0,0	3	0,0	1	0,0	0	0,0	
Other external causes of accidental injury (W00-X59)	470	7,1	739	9,3	133	11,3	264	8,3	1 087	9,6	290	8,3	757	6,6	268	7,5	339	9,3	
Sequelae of external causes of morbidity and mortality (Y85-Y89)	17	0,3	16	0,2	3	0,3	8	0,3	100	0,9	8	0,2	24	0,2	13	0,4	12	0,3	
Transport accidents (V01-V99)	312	4,7	1 066	13,4	219	18,7	454	14,2	899	8,0	325	9,3	506	4,4	430	12,0	964	26,5	
All non-natural causes	6 614	100,0	7 935	100,0	1 174	100,0	3 199	100,0	11 285	100,0	3 476	100,0	11 536	100,0	3 583	100,0	3 640	100,0	
All natural causes	37 367	85,0	77 254	90,7	11 257	90,6	45 619	93,4	119 772	91,4	47 272	93,2	94 251	89,1	38 965	91,6	42 878	92,2	
Total	43 981	100,0	85 189	100,0	12 431	100,0	48 818	100,0	131 057	100,0	50 748	100,0	105 787	100,0	42 548	100,0	46 518	100,0	

Excluding 252 cases of unknown and unspecified province, and deaths taking place outside South Africa, in 2003 and 411 cases in 2004

4.7 Comparison between underlying, immediate and contributing causes of death

Table 4.14 provides further insights into whether the results on the underlying causes of death reflect the profile portrayed by the information on recorded causes. The table compares recorded and underlying causes of death. Only 12 most frequent underlying causes are considered. It shows that for deaths where causes of death such as tuberculosis, cerebrovascular diseases, diabetes mellitus and the human immunodeficiency virus disease (2004) were mentioned on the death notification form they were likely to be the underlying causes. In 2003 and 2004, these causes were selected as underlying in over 90% of the deaths in which they were mentioned.

Table 4.14: Underlying, contributing and immediate causes of death: 2003 and 2004

Cause of death	Number of deaths in which this cause was an underlying cause	Number of deaths in which this cause was an immediate or contributing cause	All deaths in which this cause was recorded	% underlying*
2003				
Tuberculosis (A15-A19)	67 609	7 013	74 622	90,6
Influenza and pneumonia (J10-J18)	45 346	27 317	72 663	62,4
Events of undetermined intent (Y10-Y34)	38 139	552	38 691	98,6
Cerebrovascular diseases (I60-I69)	27 443	8 484	35 927	76,4
Intestinal infectious diseases (A00-A09)	24 391	2 973	27 364	89,1
Other forms of heart disease (I30-I52)	23 996	25 476	49 472	48,5
Diabetes mellitus (E10-E14)	16 761	1 763	18 524	90,5
Chronic lower respiratory diseases (J40-J47)	16 130	4 753	20 883	77,2
Certain disorders involving the immune mechanism (D80-D89)	15 109	11 408	26 517	57,0
Ischaemic heart diseases (I20-I25)	13 322	4 191	17 513	76,1
Resp. & cardiovascular disorders-perinatal period (P20-P29)	12 755	6 465	19 220	66,4
Hypertensive diseases (I10-I15)	11 672	19 886	31 558	37,0
2004				
Tuberculosis (A15-A19)	69 689	7 717	77 406	90,0
Influenza and pneumonia (J10-J18)	45 376	26 424	71 800	63,2
Events of undetermined intent (Y10-Y34)	36 123	359	36 482	99,0
Intestinal infectious diseases (A00-A09)	26 581	3 260	29 841	89,1
Cerebrovascular diseases (I60-I69)	25 005	8 219	33 224	75,3
Other forms of heart disease (I30-I52)	23 753	23 042	46 795	50,8
Diabetes mellitus (E10-E14)	16 908	1 746	18 654	90,6
Certain disorders involving the immune mechanism (D80-D89)	16 052	12 726	28 778	55,8
Chronic lower respiratory diseases (J40-J47)	15 333	4 495	19 828	77,3
Human immunodeficiency virus [HIV] disease (B20-B24)	13 317	273	13 590	98,0
Resp. & cardiovascular disorders-perinatal period (P20-P29)	13 271	6 530	19 801	67,0
Ischaemic heart diseases (I20-I25)	12 713	4 047	16 760	75,9

* Number of deaths in which the cause was an underlying cause, divided by the number of all deaths in which the cause was recorded, expressed as a percentage

The following table shows that *influenza and pneumonia*; and *other forms of heart diseases* which were less prevalent than *tuberculosis* as underlying causes were more likely than *tuberculosis* to be reported alone. This was the case for 2003 and 2004.

Table 4.15: Five leading natural underlying causes of death and their reporting: 2003 and 2004

Leading underlying cause	Total number of deaths	Reported alone	
		N	%
2003			
Tuberculosis (A15-A19)	67 609	41 877	61,9
Influenza and pneumonia (J10-J18)	45 351	36 929	81,4
Cerebrovascular diseases (I60-I69)	27 445	13 438	49,0
Intestinal infectious diseases (A00-A09)	24 394	10 029	41,1
Other forms of heart disease (I30-I52)	23 996	16 587	69,1
2004			
Tuberculosis (A15-A19)	69 689	43 884	63,0
Influenza and pneumonia (J10-J18)	45 376	37 735	83,2
Intestinal infectious diseases (A00-A09)	26 581	10 903	41,0
Cerebrovascular diseases (I60-I69)	25 006	12 834	51,3
Other forms of heart disease (I30-I52)	23 753	17 047	71,8

5. Concluding remarks

The capturing and processing of data from death notification forms for 2003 and 2004 has provided requisite information which has enabled an assessment of mortality patterns and causes of death in South Africa. It has provided crucial information that can be used to ascertain morbidity information necessary for prevention of death.

The most significant finding is that in all the years, the number of deaths was higher at ages 0–4 and 30–34 as compared to other ages. In addition, the increase in female deaths was twice that of males between 2003 and 2004. However, in age groups 0–19 and 35–69 there were more male than female deaths while in the age groups 20–34 and 70 and above, there were more female than male deaths.

Prevalence of various causes of death remained largely unchanged between 2003 and 2004. For both years, the dominant contributors to the growth in mortality were deaths associated with *tuberculosis*, and *influenza and pneumonia*. *Respiratory and cardiovascular diseases* contributed the highest percentage of deaths among infants (aged less than a year); and *intestinal infectious diseases* among children aged 1–4 years; and *cerebrovascular diseases* among those aged 50 and above.

During the period for which death notification forms were captured, the majority of deaths were linked to natural causes of death. Overall, there has been a decline in the number and percentage of deaths due to non-natural underlying causes of death.

It is acknowledged that diseases with many manifestations cannot easily be identified in death certificates and that this information is insufficient for understanding non-notifiable diseases. Furthermore, lack of standardisation of capturing of localities and missing information limits analysis. This clearly demonstrates the extent to which statistics depend on the quality of input data, and the need for enhanced efforts to register death and attribute cause of death.

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Appendices

Appendix A: Definitions

- A *death* is a principal event and is the disappearance of life at any time after birth has taken place.
- *Causes of death* are all those diseases, morbid conditions, or injuries that either resulted in or contributed to death, and the circumstances of the accident or violence which produced any such injuries.
- *Immediate cause* is the disease or condition directly leading to death.
- *Contributing causes* are morbid conditions, if any, giving rise to the immediate cause of death
- An *underlying cause of death* (previously known as primary cause) is defined as: 'The disease or injury that initiated the train of events leading to death, or the circumstances of the accident or violence that produced the fatal injury.'
- *Multiple causes of death* are defined in ICD-10 as: 'All morbid conditions, diseases and injuries entered on the death certificate. These include those involved in the morbid train of events leading to the death which were classified as either the underlying cause, the intermediate cause, or any intervening cause and those conditions which contributed to death but were not related to the disease or condition causing death.'
- *Leading underlying causes of death* are the most frequent underlying causes of death in any given population; in this release the underlying causes of death are ranked according to frequency.
- *Human immunodeficiency virus (HIV)* is defined in the Dictionary of Epidemiology as follows: 'The pathogenic organism responsible for the acquired immunodeficiency syndrome (AIDS), formally or also known as the lymphadenopathy virus (LAV), the name given by the original French discoverers Montagnier et al. in 1983, or the human T-cell lymphotropic virus type III (HTLV-III), the name given by Gallo et al. to the virus they reported in 1984.'
- *Neonatal deaths* are deaths among live births during the first 28 completed days of life. Neonatal period commences at birth and ends 28 completed days after births.
- *Population group*: According to the Population Registration Act Repeal Act (No. 114 of 1991), the South African Population Register no longer stores information regarding the population group of individuals whose details are on the register. This Repeal Act is still in place; therefore, the population group used in this report refers to the population group as identified by the certifying physician/professional nurse on the death notification form and is only used for statistical purposes.

Appendix C: Technical notes on the estimation of completeness of published mortality information

This technical Appendix presents the key elements of the methodology that has been used to estimate the level of death registration completeness based on the number of registered deaths covered in this release. When all deaths have been registered and processed, completeness would be 100%. Any departure from 100% for this release is an indication of deaths that might not be registered, possible late registrations; and deaths that have been registered but had not reached Stats SA during the current processing phase.

A number of indirect methods are available for the estimation of death registration completeness. These include Brass's sectional growth balance equation (1975); Preston *et al.* method (1980); Preston and Hill method (1980); Bennett and Horiuchi method (1981); and Hill method (1987). Hill and Choi (2004) indicated that there is no consensus on which method should be preferred. The choice of a method or methods to be used for estimation is generally based on availability of data, applicability of the assumptions and limitations of each method. However, it should be noted that owing to unique assumptions and differing strengths and weaknesses between techniques, there is no, or only occasional close correspondence between results from different methods.

The assumptions, strengths and weaknesses of the selected methods given above are provided in Table C.1. Based on these, the Preston and Hill method was selected for estimating the completeness of death reported in this release. The main reasons for the choice of this method lie with the fact that the method is able to provide annual completeness estimates and that it has minimal input requirements compared to the other methods. However, it is of importance to note that the Preston and Hill method provides estimates of completeness of published information for deaths from age 5. The method also assumes a stable and a closed population, which is not the case in South Africa. In addition, it assumes that the recording of deaths does not vary with age, which may not necessarily be the case.

For the application of this method, mid-year population estimates and death rates (${}_n m_x$) are required. To be able to provide consistent estimates of the completeness of published mortality data, estimates are provided from 1998 as this was the year that a new death notification form was introduced. In addition, revised mid-year population estimates for 1998 to 2004, which use consistent estimation procedures, were used to calculate the completeness of deaths reported in this release. The death rates (${}_n m_x$) for the period 1998 to 2004 were calculated by moving the mid-year estimates for each year to the beginning of the year using the exponential method.

Table C.1: Indirect methods for estimating death registration coverage

Estimation methods	Assumptions	Weaknesses	Strengths
1. Brass (1975)	<ol style="list-style-type: none"> 1. Population is demographically stable 2. Population is closed to migration 3. Recording of deaths does not vary with age 4. Completeness of census coverage is constant at all ages 	<ol style="list-style-type: none"> 1. Sensitive to possible errors in age reporting 	<ol style="list-style-type: none"> 1. Does not require prior knowledge of rate of increase 2. Does not require data from two censuses 3. Provides annual estimates of completeness
2. Preston et. al. (1980)	<ol style="list-style-type: none"> 1. Population is demographically stable 2. Population is closed to migration 3. Recording of deaths does not vary with age 	<ol style="list-style-type: none"> 1. Provides one estimate of completeness over the intercensal period 	
3. Preston and Hill (1980)	<ol style="list-style-type: none"> 1. Population is demographically stable 2. Population is closed to migration 3. Recording of deaths does not vary with age 	<ol style="list-style-type: none"> 1. Sensitive to misreporting of age at death 2. Sensitive to erroneous population growth rate 	<ol style="list-style-type: none"> 1. Uses estimate of growth rate, not age distribution of population 2. Knowledge of age distribution of death and of the population growth rate is sufficient to estimate completeness 3. Provides annual estimates of completeness
4. Bennett and Horiuchi (1981)	<ol style="list-style-type: none"> 1. Population is closed to migration 2. Recording of deaths does not vary with age 	<ol style="list-style-type: none"> 1. Sensitive to changes in census coverage 2. Estimated completeness tends to be biased upward in the presence of net out-migration and downward by net in-migration 3. Provides one estimate of completeness over the intercensal period 	<ol style="list-style-type: none"> 1. Not sensitive to age-related errors
5. Hill (1987)	<ol style="list-style-type: none"> 1. Population is closed to migration 2. Recording of deaths does not vary with age 	<ol style="list-style-type: none"> 1. Sensitive to possible errors in age reporting 2. Provides one estimate of completeness over the intercensal period 	<ol style="list-style-type: none"> 1. Does not assume stable population

Estimation equations:

Preston and Hill (1980) derived equations to show that the extent of death under-registration can be estimated as:

$$K = \frac{\frac{r}{d}}{\int_0^{\infty} \delta(a) \cdot e^{ra} d(a) - 1}$$

Where:

- K = factor by which recorded deaths should be inflated to equal true deaths (assumed constant for all ages)
- r = true annual rate of population growth
- d = recorded crude death rate = D/N
- D = Total number of deaths
- N = population size in the year or period for which $D(a)$ and D are recorded
- $D(a)$ = Number of deaths at age a
- $\delta(a)$ = the proportion of deaths that occur to persons in the interval in which the average age at death is a .
- $d(a)$ = deaths at age a in the true life table (with unit radix) to which the population is subject
- a = may be taken as the midpoint of the age at death interval except for the first and the last age groups.

If completeness of death registration, C , is the reciprocal of K , then:

$$C = \frac{d}{r} (\int_0^{\infty} \delta(a) \cdot e^{ra} da - 1)$$

In its discrete form:

$$C = \frac{d}{r} (\sum_a^{\infty} \delta(a) \cdot e^{ra} - 1)$$

Estimation results:

Figure C.1 provides the estimate of completeness for the period 1998 to 2004. It is observed that the completeness of mortality information published by Stats SA has increased over the years, with males having higher rates than females. Reported and adjusted deaths (based on the estimate of completeness of published information) are shown in Figure C.2.

Figure C.1: Estimates of completeness based on Preston and Hill method: 1998–2004²

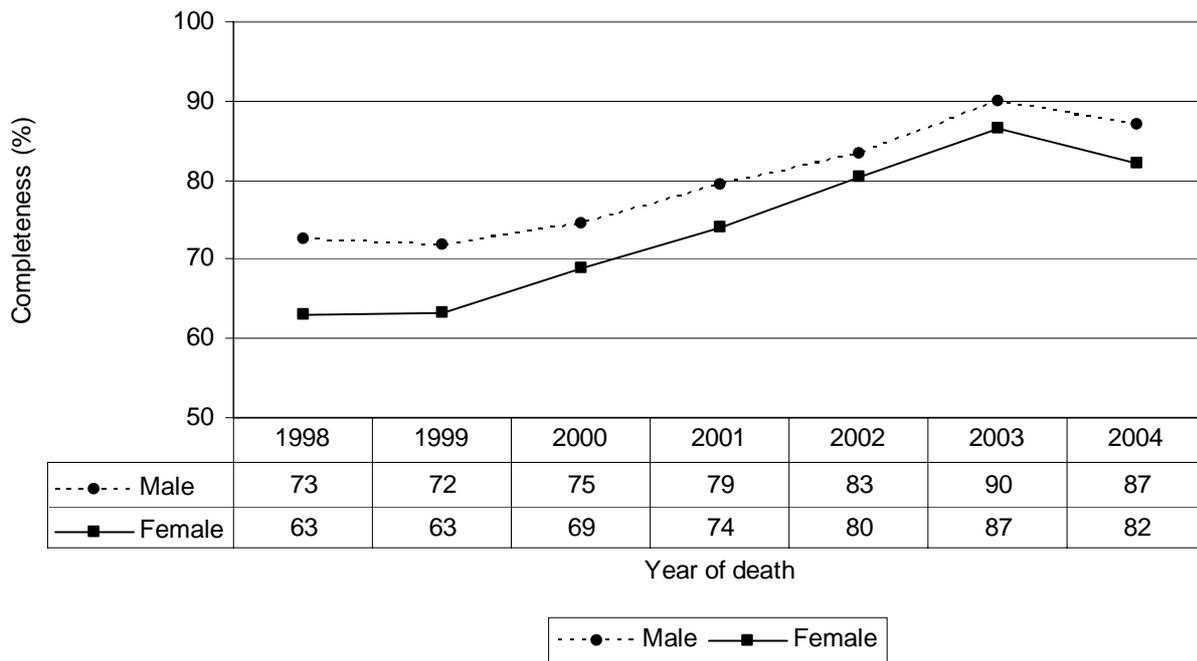
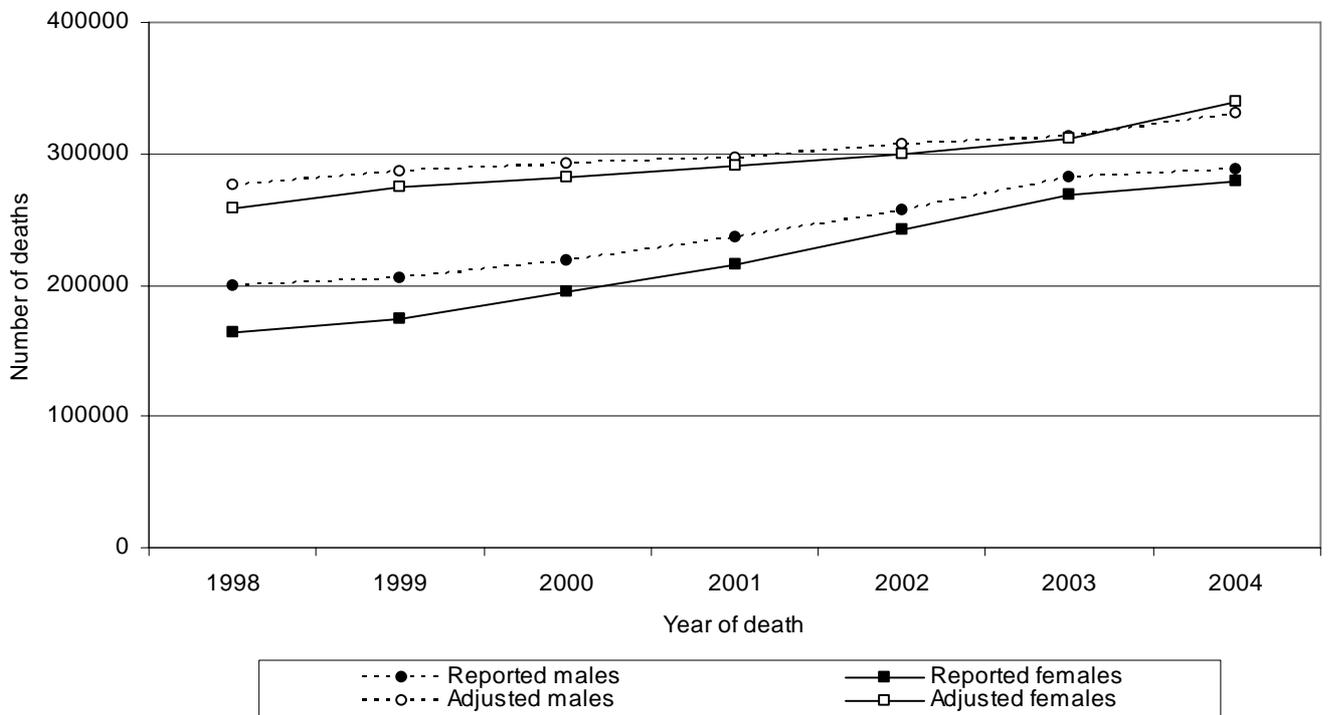


Figure C.2: Reported and adjusted number of deaths: 1998-2004



² Number of deaths from 1998 to 2002 includes additional deaths received after the February 2005 publication.

Appendix D: The 10 leading underlying natural causes of death: 1997–2002

Causes of death and year				
Rank	1997	Deaths	Percentage	
1	Tuberculosis (A15-A19)	22 071	7,0	
2	Other forms of heart disease (I30-I52)	20 110	6,4	
3	Cerebrovascular diseases (I60-I69)	17 004	5,4	
4	Influenza and pneumonia (J10-J18)	11 518	3,6	
5	Diabetes mellitus (E10-E14)	10 828	3,4	
6	Chronic lower respiratory diseases (J40-J47)	10 770	3,4	
7	Ischaemic heart diseases (I20-I25)	9 797	3,1	
8	Malignant neoplasms of digestive organs (C15-C26)	8 917	2,8	
9	Hypertensive diseases (I10-I15)	7 709	2,4	
10	Resp. and cardiovascular disorders-perinatal period (P20-P29)	7 075	2,2	
...	Other causes	190 706	60,3	
...	All causes	316 505	100,0	
Rank	1998	Deaths	Percentage	
1	Tuberculosis (A15-A19)	28 532	7,8	
2	Other forms of heart disease (I30-I52)	21 737	6,0	
3	Cerebrovascular diseases (I60-I69)	18 682	5,1	
4	Influenza and pneumonia (J10-J18)	17 041	4,7	
5	Chronic lower respiratory diseases (J40-J47)	13 165	3,6	
6	Diabetes mellitus (E10-E14)	12 282	3,4	
7	Ischaemic heart diseases (I20-I25)	10 688	2,9	
8	Malignant neoplasms of digestive organs (C15-C26)	9 170	2,5	
9	Intestinal infectious diseases (A00-A09)	8 808	2,4	
10	Hypertensive diseases (I10-I15)	8 749	2,4	
...	Other causes	216 199	59,2	
...	All causes	365 053	100,0	
Rank	1999	Deaths	Percentage	
1	Tuberculosis (A15-A19)	34 250	9,0	
2	Other forms of heart disease (I30-I52)	20 127	5,3	
3	Cerebrovascular diseases (I60-I69)	19 965	5,2	
4	Influenza and pneumonia (J10-J18)	19 158	5,0	
5	Chronic lower respiratory diseases (J40-J47)	12 595	3,3	
6	Diabetes mellitus (E10-E14)	12 548	3,3	
7	Ischaemic heart diseases (I20-I25)	11 430	3,0	
8	Intestinal infectious diseases (A00-A09)	11 204	2,9	
9	Human immunodeficiency virus [HIV] disease (B20 -B24)	9 935	2,6	
10	Hypertensive diseases (I10-I15)	9 438	2,5	
...	Other causes	220 332	57,8	
...	All causes	380 982	100,0	

Appendix D: The 10 leading underlying natural causes of death: 1997–2002

Causes of death and year				
Rank	2000	Deaths	Percentage	
1	Tuberculosis (A15-A19)	42 246	10,2	
2	Influenza and pneumonia (J10-J18)	24 629	6,0	
3	Cerebrovascular diseases (I60-I69)	21 957	5,3	
4	Other forms of heart disease (I30-I52)	21 440	5,2	
5	Intestinal infectious diseases (A00-A09)	14 209	3,4	
6	Diabetes mellitus (E10-E14)	13 558	3,3	
7	Chronic lower respiratory diseases (J40-J47)	13 269	3,2	
8	Ischaemic heart diseases (I20-I25)	11 644	2,8	
9	Certain disorders involving the immune mechanism (D80-D89)	10 950	2,6	
10	Human immunodeficiency virus [HIV] disease (B20-B24)	10 459	2,5	
...	Other causes	229 375	55,4	
...	All causes	413 736	100,0	
Rank	2001	Deaths	Percentage	
1	Tuberculosis (A15-A19)	51 098	11,3	
2	Influenza and pneumonia (J10-J18)	31 575	7,0	
3	Other forms of heart disease (I30-I52)	22 633	5,0	
4	Cerebrovascular diseases (I60-I69)	22 608	5,0	
5	Intestinal infectious diseases (A00-A09)	16 146	3,6	
6	Chronic lower respiratory diseases (J40-J47)	14 746	3,3	
7	Diabetes mellitus (E10-E14)	14 579	3,2	
8	Ischaemic heart diseases (I20-I25)	11 784	2,6	
9	Certain disorders involving the immune mechanism (D80-D89)	11 697	2,6	
10	Hypertensive diseases (I10-I15)	10 763	2,4	
...	Other causes	245 267	54,2	
...	All causes	452 896	100,0	
Rank	2002	Deaths	Percentage	
1	Tuberculosis (A15-A19)	60 311	12,1	
2	Influenza and pneumonia (J10-J18)	37 780	7,6	
3	Cerebrovascular diseases (I60-I69)	25 231	5,1	
4	Other forms of heart disease (I30-I52)	22 687	4,5	
5	Intestinal infectious diseases (A00-A09)	19 961	4,0	
6	Diabetes mellitus (E10-E14)	15 744	3,2	
7	Chronic lower respiratory diseases (J40-J47)	14 997	3,0	
8	Certain disorders involving the immune mechanism (D80-D89)	12 717	2,5	
9	Ischaemic heart diseases (I20-I25)	12 302	2,5	
10	Resp. and cardiovascular disorders-perinatal period (P20-P29)	11 269	2,3	
...	Other causes	266 495	53,4	
...	All causes	499 494	100,0	

Appendix E: All underlying causes of death, 1997

1997	No.	%
All causes	316 505	100,0
Events of undetermined intent (Y10-Y34)	46 906	14,8
Ill-defined and unknown causes of mortality (R95-R99)	35 939	11,4
Tuberculosis (A15-A19)	22 071	7,0
Other forms of heart diseases (I30-I52)	20 110	6,4
Cerebrovascular diseases (I60-I69)	17 004	5,4
Influenza and pneumonia (J10-J18)	11 518	3,6
Diabetes mellitus (E10-E14)	10 828	3,4
Chronic lower respiratory diseases (J40-J47)	10 770	3,4
Ischaemic heart diseases (I20-I25)	9 797	3,1
Malignant neoplasms of digestive organs (C15-C26)	8 917	2,8
Hypertensive diseases (I10-I15)	7 709	2,4
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	7 075	2,2
Intestinal infectious diseases (A00-A09)	6 536	2,1
Human immunodeficiency virus [HIV] disease (B20-B24)	6 235	2,0
Digestive system disorders of foetus and newborn (P75-P78)	5 104	1,6
General symptoms and signs (R50-R69)	4 863	1,5
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4 545	1,4
Diseases of liver (K70-K77)	4 334	1,4
Other disorders originating in the perinatal period (P90-P96)	3 507	1,1
Renal failure (N17-N19)	3 429	1,1
Certain disorders involving the immune mechanism (D80-D89)	3 301	1,0
Malignant neoplasms of female genital organs (C51-C58)	2 761	0,9
Other external causes of accidental injury (W00-X59)	2 670	0,8
Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	2 492	0,8
Episodic and paroxysmal disorders (G40-G47)	2 264	0,7
Other bacterial diseases (A30-A49)	2 042	0,6
Malnutrition (E40-E46)	1 853	0,6
Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	1 751	0,6
Transport accidents (V01-V99)	1 737	0,5
Metabolic disorders (E70-E88)	1 662	0,5
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	1 640	0,5
Inflammatory diseases of the central nervous system (G00-G09)	1 626	0,5
Malignant neoplasms of breast (C50)	1 618	0,5
Disorders related to length of gestation and foetal growth (P05-P08)	1 596	0,5
Malignant neoplasms of male genital organs (C60-C63)	1 573	0,5
Other diseases of the respiratory system (J90-J94)	1 571	0,5
Diseases of arteries, arterioles and capillaries (I70-I79)	1 528	0,5
Diseases of oesophagus, stomach and duodenum (K20-K31)	1 454	0,5
Infections specific to the perinatal period (P35-P39)	1 383	0,4
Assault (X85-Y09)	1 351	0,4
Other respiratory diseases principally affecting the interstitium (J80-J84)	1 322	0,4
Complications of medical and surgical care (Y40-Y84)	1 254	0,4
Aplastic and other anaemias (D60-D64)	1 210	0,4
Other viral diseases (B25-B34)	1 129	0,4
Other acute lower respiratory infections (J20-J22)	1 073	0,3
Foetus & newborn affected by maternal factors & by complications of pregnancy, labour & delivery (P00-P04)	943	0,3
Other diseases of intestines (K55-K63)	909	0,3
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	883	0,3
Disorders of gallbladder, biliary tract and pancreas (K80-K87)	737	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	715	0,2
Cerebral palsy and other paralytic syndromes (G80-G83)	704	0,2
Protozoal diseases (B50-B64)	682	0,2
Malignant neoplasms of urinary tract (C64-C68)	640	0,2
Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	635	0,2
Organic, including symptomatic, mental disorders (F00-F09)	616	0,2
Arthropathies (M00-M25)	603	0,2
Noninfective enteritis and colitis (K50-K52)	569	0,2
Other diseases of digestive system (K90-K93)	567	0,2
Lung diseases due to external agents (J60-J70)	564	0,2
Chronic rheumatic heart diseases (I05-I09)	534	0,2
Congenital malformations of the circulatory system (Q20-Q28)	521	0,2
Mental and behavioural disorders due to psychoactive substance use (F10-F19)	519	0,2
Other disorders of glucose regulation and pancreatic internal secretion (E15-E16)	497	0,2
Other disorders of the skin and subcutaneous tissue (L80-L99)	497	0,2
Other degenerative diseases of the nervous system (G30-G32)	477	0,2
Malignant neoplasms of mesothelial and soft tissue (C45-C49)	474	0,1
Malignant neoplasms of independent (primary) multiple sites (C97)	436	0,1
Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	420	0,1
Other disorders of the nervous system (G90-G98)	393	0,1

Appendix E: All underlying causes of death, 1997

1997	No.	%
Congenital malformations of the nervous system (Q00-Q07)	363	0,1
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)	357	0,1
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	354	0,1
Malignant neoplasms of eye, brain and other parts of central nervous system (C69-C72)	346	0,1
Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	343	0,1
Other diseases of pleura (J90-J94)	340	0,1
Melanoma and other malignant neoplasms of skin (C43-C44)	319	0,1
Extrapyramidal and movement disorders (G20-G26)	303	0,1
Mycoses (B35-B49)	295	0,1
Other diseases of urinary system (N30-N39)	280	0,1
Other congenital malformations (Q80-Q89)	273	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	256	0,1
Systemic connective tissue disorders (M30-M36)	236	0,1
Sequelae of infectious and parasitic diseases (B90-B94)	229	0,1
Viral hepatitis (B15-B19)	226	0,1
Obesity and other hyperalimentation (E65-E68)	218	0,1
Schizophrenia, schizotypal and delusional disorders (F20-F29)	215	0,1
Diseases of male genital organs (N40-N51)	215	0,1
Renal tubulo-interstitial diseases (N10-N16)	214	0,1
Diseases of peritoneum (K65-K67)	205	0,1
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	200	0,1
Symptoms and signs involving the digestive system and abdomen (R10-R19)	200	0,1
Glomerular diseases (N00-N08)	194	0,1
Coagulation defects, purpura and other haemorrhagic conditions (D65-D69)	185	0,1
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium (O10-O16)	169	0,1
Other congenital malformation of the digestive system (Q38-Q45)	169	0,1
Malignant neoplasms of bone and articular cartilage (C40-C41)	146	0,0
Infections with a predominately sexual mode of transmission (A50-A64)	131	0,0
Other nutritional deficiencies (E50-E64)	131	0,0
Benign neoplasms (D10-D36)	128	0,0
Hernia (K40-K46)	125	0,0
Other infectious diseases (B99)	124	0,0
Disorders of thyroid gland (E00-E07)	123	0,0
Conditions involving the integument and temperature regulation of foetus and newborn (P80-P83)	121	0,0
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	120	0,0
Systemic atrophies primarily affecting the central nervous system (G10-G13)	117	0,0
Acute upper respiratory infections (J00-J06)	113	0,0
Complications of labour and delivery (O60-O75)	108	0,0
Viral infections of the central nervous system (A80-A89)	107	0,0
Pregnancy with abortive outcome (O00-O08)	106	0,0
Complications predominantly related to the puerperium (O85-O92)	105	0,0
Intentional self-harm (X60-X84)	104	0,0
Nutritional anaemias (D50-D53)	99	0,0
Soft tissue disorders (M60-M79)	98	0,0
Inflammatory diseases of female pelvic organs (N70-N77)	95	0,0
Viral infections characterised by skin and mucous membrane lesions (B00-B09)	94	0,0
Osteopathies and chondropathies (M80-M94)	94	0,0
Other diseases of upper respiratory tract (J30-J39)	93	0,0
Dorsopathies (M40-M54)	79	0,0
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)	73	0,0
Helminthiases (B65-B83)	72	0,0
Birth trauma (P10-P15)	72	0,0
Diseases of appendix (K35-K38)	71	0,0
Other obstetric conditions not elsewhere classified (O95-O99)	70	0,0
Diseases of myoneural junction and muscle (G70-G73)	66	0,0
Congenital malformations of the respiratory system (Q30-Q34)	66	0,0
Demyelinating diseases of the of the central nervous system (G35-G37)	65	0,0
Congenital malformations of and deformations of the musculoskeletal system (Q65-Q79)	60	0,0
Noninflammatory disorders of female genital tract (N80-N98)	59	0,0
Diseases of middle ear and mastoid (H65-H75)	56	0,0
Congenital malformations of the urinary system (Q60-Q64)	55	0,0
Unspecified/ Not yet resolved	53	0,0

Appendix E: All underlying causes of death, 1997

1997	No.	%
Acute rheumatic fever (I00-I02)	52	0,0
Maternal care related to the foetus and amniotic cavity and possible delivery problems (O30-O48)	52	0,0
Other and unspecified disorders of the circulatory system (I95-I99)	48	0,0
Disorders of other endocrine glands (E20-E35)	43	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	43	0,0
Other disorders of kidney and urethra (N25-N29)	43	0,0
Behavioural syndromes associated with physiological disturbances and physical factors (F50-F59)	38	0,0
Other diseases of blood and blood-forming organs (D70-D77)	35	0,0
Neurotic, stress-related and somatoform disorders (F40-F48)	33	0,0
Haemolytic anaemias (D55-D59)	32	0,0
Unspecified mental disorder (F99)	27	0,0
Other maternal disorders predominantly related to pregnancy (O20-O29)	27	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	26	0,0
Dermatitis and eczema (L20-L30)	25	0,0
Urticaria and erythema (L50-L54)	25	0,0
Mood [affective] disorders (F30-F39)	22	0,0
Cleft lip and cleft palate (Q35-Q37)	19	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	17	0,0
Sequelae of external causes of morbidity and mortality (Y85-Y89)	16	0,0
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90-A99)	14	0,0
Bullous disorders (L10-L14)	13	0,0
Visual disturbances and blindness (H53-H54)	12	0,0
Disorders of the breast (N60-N64)	12	0,0
Legal intervention and operations of war (Y35-Y36)	12	0,0
In situ neoplasms (D00-D09)	11	0,0
Nerve, nerve root and plexus disorders (G50-G59)	11	0,0
Urolithiasis (N20-N23)	10	0,0
Symptoms and signs involving the urinary system (R30-R39)	10	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	9	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	9	0,0
Congenital malformations of eye, ear, face and neck (Q10-Q18)	8	0,0
Other spirochactal diseases (A65-A69)	7	0,0
Symptoms and signs involving the skin and subcutaneous tissue (R20-R23)	7	0,0
Pediculosis, acariasis and other infestations (B85-B89)	6	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	6	0,0
Certain zoonotic bacteria diseases (A20-A28)	5	0,0
Disorders of adult personality and behaviour (F60-F69)	3	0,0
Disorders of psychological development (F80-F89)	3	0,0
Papulosquamous disorders (L40-L45)	3	0,0
Congenital malformations of genital organs (Q50-Q56)	3	0,0
Disorders of vitreous body and globe (H43-H45)	2	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	2	0,0
Rickettsioses (A75-A79)	1	0,0
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90-F98)	1	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	1	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	1	0,0
Disorders of choroid and retina (H30-H36)	1	0,0
Other disorders of eye and adnexa (H55-H59)	1	0,0
Diseases of inner ear (H80-H83)	1	0,0
Other disorders of ear (H90-H95)	1	0,0
Other diseases caused by chlamydiae (A70-A74)	-	-
Mental retardation (F70-F79)	-	-
Disorders of conjunctiva (H10-H13)	-	-
Disorders of lens (H25-H28)	-	-
Glaucoma (H40-H42)	-	-
Disorders of optic nerve and visual pathways (H46-48)	-	-
Disorders of ocular muscles, binocular movement, accommodation and refraction (H49-H52)	-	-
Diseases of external ear (H60-H62)	-	-
Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)	-	-
Disorders of skin appendages (L60-L75)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-
Symptoms and signs involving speech and voice (R47-R49)	-	-
Abnormal findings on examination of urine without diagnosis (R80-R82)	-	-

Appendix E: All underlying causes of death, 1998

1998	No.	%
All causes	365 053	100,0
Events of undetermined intent (Y10-Y34)	45 472	12,5
Ill-defined and unknown causes of mortality (R95-R99)	43 532	11,9
Tuberculosis (A15-A19)	28 532	7,8
Other forms of heart diseases (I30-I52)	21 737	6,0
Cerebrovascular diseases (I60-I69)	18 682	5,1
Influenza and pneumonia (J10-J18)	17 041	4,7
Chronic lower respiratory diseases (J40-J47)	13 165	3,6
Diabetes mellitus (E10-E14)	12 282	3,4
Ischaemic heart diseases (I20-I25)	10 688	2,9
Malignant neoplasms of digestive organs (C15-C26)	9 170	2,5
Intestinal infectious diseases (A00-A09)	8 808	2,4
Hypertensive diseases (I10-I15)	8 749	2,4
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	8 023	2,2
Human immunodeficiency virus [HIV] disease (B20-B24)	7 269	2,0
Digestive system disorders of foetus and newborn (P75-P78)	6 226	1,7
Certain disorders involving the immune mechanism (D80-D89)	5 694	1,6
General symptoms and signs (R50-R69)	5 366	1,5
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4 812	1,3
Diseases of liver (K70-K77)	4 606	1,3
Other disorders originating in the perinatal period (P90-P96)	3 988	1,1
Renal failure (N17-N19)	3 745	1,0
Other external causes of accidental injury (W00-X59)	3 568	1,0
Malignant neoplasms of female genital organs (C51-C58)	2 899	0,8
Transport accidents (V01-V99)	2 890	0,8
Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	2 766	0,8
Episodic and paroxysmal disorders (G40-G47)	2 556	0,7
Other bacterial diseases (A30-A49)	2 344	0,6
Malnutrition (E40-E46)	2 225	0,6
Inflammatory diseases of the central nervous system (G00-G09)	2 106	0,6
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	2 100	0,6
Other diseases of the respiratory system (J90-J94)	2 054	0,6
Metabolic disorders (E70-E88)	2 032	0,6
Other viral diseases (B25-B34)	1 861	0,5
Disorders related to length of gestation and foetal growth (P05-P08)	1 854	0,5
Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	1 802	0,5
Malignant neoplasms of breast (C50)	1 758	0,5
Malignant neoplasms of male genital organs (C60-C63)	1 623	0,4
Diseases of oesophagus, stomach and duodenum (K20-K31)	1 617	0,4
Diseases of arteries, arterioles and capillaries (I70-I79)	1 606	0,4
Complications of medical and surgical care (Y40-Y84)	1 527	0,4
Aplastic and other anaemias (D60-D64)	1 488	0,4
Other acute lower respiratory infections (J20-J22)	1 438	0,4
Infections specific to the perinatal period (P35-P39)	1 407	0,4
Assault (X85-Y09)	1 355	0,4
Other respiratory diseases principally affecting the interstitium (J80-J84)	1 257	0,3
Foetus & newborn affected by maternal factors & by complications of pregnancy, labour & delivery (P00-P04)	1 042	0,3
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	968	0,3
Cerebral palsy and other paralytic syndromes (G80-G83)	965	0,3
Protozoal diseases (B50-B64)	916	0,3
Other diseases of intestines (K55-K63)	902	0,2
Noninfective enteritis and colitis (K50-K52)	866	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	832	0,2
Disorders of gallbladder, biliary tract and pancreas (K80-K87)	749	0,2
Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	687	0,2
Organic, including symptomatic, mental disorders (F00-F09)	672	0,2
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	656	0,2
Lung diseases due to external agents (J60-J70)	640	0,2
Other diseases of digestive system (K90-K93)	628	0,2
Malignant neoplasms of urinary tract (C64-C68)	615	0,2
Malignant neoplasms of independent (primary) multiple sites (C97)	614	0,2
Other disorders of glucose regulation and pancreatic internal secretion (E15-E16)	611	0,2
Arthropathies (M00-M25)	603	0,2
Mental and behavioural disorders due to psychoactive substance use (F10-F19)	573	0,2
Other disorders of the nervous system (G90-G98)	571	0,2
Congenital malformations of the circulatory system (Q20-Q28)	550	0,2
Chronic rheumatic heart diseases (I05-I09)	525	0,1

Appendix E: All underlying causes of death, 1998

1998	No.	%
Other disorders of the skin and subcutaneous tissue (L80-L99)	523	0,1
Malignant neoplasms of mesothelial and soft tissue (C45-C49)	522	0,1
Other degenerative diseases of the nervous system (G30-G32)	492	0,1
Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	489	0,1
Mycoses (B35-B49)	446	0,1
Other diseases of pleura (J90-J94)	436	0,1
Symptoms and signs involving the digestive system and abdomen (R10-R19)	423	0,1
Congenital malformations of the nervous system (Q00-Q07)	406	0,1
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)	404	0,1
Malignant neoplasms of eye, brain and other parts of central nervous system (C69-C72)	398	0,1
Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	387	0,1
Sequelae of infectious and parasitic diseases (B90-B94)	342	0,1
Extrapyramidal and movement disorders (G20-G26)	325	0,1
Melanoma and other malignant neoplasms of skin (C43-C44)	310	0,1
Other diseases of urinary system (N30-N39)	291	0,1
Other congenital malformations (Q80-Q89)	291	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	286	0,1
Viral hepatitis (B15-B19)	283	0,1
Obesity and other hyperalimentation (E65-E68)	271	0,1
Glomerular diseases (N00-N08)	247	0,1
Systemic connective tissue disorders (M30-M36)	242	0,1
Diseases of peritoneum (K65-K67)	240	0,1
Renal tubulo-interstitial diseases (N10-N16)	239	0,1
Schizophrenia, schizotypal and delusional disorders (F20-F29)	215	0,1
Coagulation defects, purpura and other haemorrhagic conditions (D65-D69)	209	0,1
Diseases of male genital organs (N40-N51)	201	0,1
Malignant neoplasms of bone and articular cartilage (C40-C41)	195	0,1
Intentional self-harm (X60-X84)	184	0,1
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	176	0,0
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium (O10-O16)	175	0,0
Other congenital malformation of the digestive system (Q38-Q45)	167	0,0
Inflammatory diseases of female pelvic organs (N70-N77)	158	0,0
Acute upper respiratory infections (J00-J06)	153	0,0
Soft tissue disorders (M60-M79)	150	0,0
Infections with a predominately sexual mode of transmission (A50-A64)	145	0,0
Other infectious diseases (B99)	145	0,0
Benign neoplasms (D10-D36)	144	0,0
Systemic atrophies primarily affecting the central nervous system (G10-G13)	141	0,0
Disorders of thyroid gland (E00-E07)	138	0,0
Other nutritional deficiencies (E50-E64)	132	0,0
Viral infections of the central nervous system (A80-A89)	126	0,0
Hernia (K40-K46)	126	0,0
Pregnancy with abortive outcome (O00-O08)	118	0,0
Conditions involving the integument and temperature regulation of foetus and newborn (P80-P83)	117	0,0
Viral infections characterised by skin and mucous membrane lesions (B00-B09)	116	0,0
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	113	0,0
Complications predominantly related to the puerperium (O85-O92)	105	0,0
Complications of labour and delivery (O60-O75)	100	0,0
Osteopathies and chondropathies (M80-M94)	94	0,0
Nutritional anaemias (D50-D53)	83	0,0
Other diseases of upper respiratory tract (J30-J39)	82	0,0
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)	76	0,0
Diseases of appendix (K35-K38)	76	0,0
Diseases of myoneural junction and muscle (G70-G73)	73	0,0
Dorsopathies (M40-M54)	72	0,0
Helminthiasis (B65-B83)	69	0,0
Noninflammatory disorders of female genital tract (N80-N98)	69	0,0
Congenital malformations of and deformations of the musculoskeletal system (Q65-Q79)	69	0,0
Other obstetric conditions not elsewhere classified (O95-O99)	68	0,0
Diseases of middle ear and mastoid (H65-H75)	65	0,0
Other disorders of kidney and urethra (N25-N29)	62	0,0
Disorders of other endocrine glands (E20-E35)	61	0,0
Other diseases of blood and blood-forming organs (D70-D77)	58	0,0
Congenital malformations of the urinary system (Q60-Q64)	58	0,0
Unspecified/ Not yet resolved	58	0,0
Behavioural syndromes associated with physiological disturbances and physical factors (F50-F59)	52	0,0

Appendix E: All underlying causes of death, 1998

1998	No.	%
Demyelinating diseases of the of the central nervous system (G35-G37)	52	0,0
Maternal care related to the foetus and amniotic cavity and possible delivery problems (O30-O48)	52	0,0
Birth trauma (P10-P15)	51	0,0
Other and unspecified disorders of the circulatory system (I95-I99)	50	0,0
Congenital malformations of the respiratory system (Q30-Q34)	50	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	48	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	47	0,0
Acute rheumatic fever (I00-I02)	33	0,0
Other maternal disorders predominantly related to pregnancy (O20-O29)	29	0,0
Urticaria and erythema (L50-L54)	27	0,0
Sequelae of external causes of morbidity and mortality (Y85-Y89)	27	0,0
Haemolytic anaemias (D55-D59)	25	0,0
Unspecified mental disorder (F99)	23	0,0
Dermatitis and eczema (L20-L30)	22	0,0
Symptoms and signs involving the urinary system (R30-R39)	20	0,0
Legal intervention and operations of war (Y35-Y36)	20	0,0
Mood [affective] disorders (F30-F39)	19	0,0
Neurotic, stress-related and somatoform disorders (F40-F48)	19	0,0
Nerve, nerve root and plexus disorders (G50-G59)	18	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	18	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	18	0,0
Urolithiasis (N20-N23)	17	0,0
Bullous disorders (L10-L14)	15	0,0
Symptoms and signs involving the skin and subcutaneous tissue (R20-R23)	13	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	12	0,0
Pediculosis, acariasis and other infestations (B85-B89)	10	0,0
In situ neoplasms (D00-D09)	10	0,0
Cleft lip and cleft palate (Q35-Q37)	10	0,0
Congenital malformations of genital organs (Q50-Q56)	9	0,0
Papulosquamous disorders (L40-L45)	8	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	8	0,0
Rickettsioses (A75-A79)	7	0,0
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90-A99)	7	0,0
Disorders of the breast (N60-N64)	7	0,0
Disorders of adult personality and behaviour (F60-F69)	6	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	6	0,0
Congenital malformations of eye, ear, face and neck (Q10-Q18)	6	0,0
Other spirochactal diseases (A65-A69)	5	0,0
Visual disturbances and blindness (H53-H54)	5	0,0
Certain zoonotic bacteria diseases (A20-A28)	4	0,0
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90-F98)	3	0,0
Glaucoma (H40-H42)	3	0,0
Disorders of vitreous body and globe (H43-H45)	3	0,0
Diseases of external ear (H60-H62)	3	0,0
Symptoms and signs involving speech and voice (R47-R49)	3	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	2	0,0
Other disorders of eye and adnexa (H55-H59)	2	0,0
Other disorders of ear (H90-H95)	2	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	2	0,0
Disorders of psychological development (F80-F89)	1	0,0
Disorders of conjunctiva (H10-H13)	1	0,0
Disorders of choroid and retina (H30-H36)	1	0,0
Disorders of skin appendages (L60-L75)	1	0,0
Abnormal findings on examination of urine without diagnosis (R80-R82)	1	0,0
Other diseases caused by chlamydiae (A70-A74)	-	-
Mental retardation (F70-F79)	-	-
Disorders of lens (H25-H28)	-	-
Disorders of optic nerve and visual pathways (H46-48)	-	-
Disorders of ocular muscles, binocular movement, accommodation and refraction (H49-H52)	-	-
Diseases of inner ear (H80-H83)	-	-
Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-

Appendix E: All underlying causes of death, 1999

1999	No.	%
All causes	380 982	100,0
Ill-defined and unknown causes of mortality (R95-R99)	39 148	10,3
Events of undetermined intent (Y10-Y34)	37 198	9,8
Tuberculosis (A15-A19)	34 250	9,0
Other forms of heart diseases (I30-I52)	20 127	5,3
Cerebrovascular diseases (I60-I69)	19 965	5,2
Influenza and pneumonia (J10-J18)	19 158	5,0
Chronic lower respiratory diseases (J40-J47)	12 595	3,3
Diabetes mellitus (E10-E14)	12 548	3,3
Ischaemic heart diseases (I20-I25)	11 430	3,0
Intestinal infectious diseases (A00-A09)	11 204	2,9
Human immunodeficiency virus [HIV] disease (B20-B24)	9 935	2,6
Hypertensive diseases (I10-I15)	9 438	2,5
Malignant neoplasms of digestive organs (C15-C26)	9 375	2,5
Certain disorders involving the immune mechanism (D80-D89)	8 602	2,3
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	8 078	2,1
Digestive system disorders of foetus and newborn (P75-P78)	6 453	1,7
Other external causes of accidental injury (W00-X59)	6 160	1,6
General symptoms and signs (R50-R69)	5 758	1,5
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4 983	1,3
Transport accidents (V01-V99)	4 852	1,3
Diseases of liver (K70-K77)	4 658	1,2
Renal failure (N17-N19)	3 664	1,0
Other disorders originating in the perinatal period (P90-P96)	3 360	0,9
Malignant neoplasms of female genital organs (C51-C58)	3 046	0,8
Assault (X85-Y09)	2 922	0,8
Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	2 920	0,8
Other viral diseases (B25-B34)	2 764	0,7
Episodic and paroxysmal disorders (G40-G47)	2 764	0,7
Inflammatory diseases of the central nervous system (G00-G09)	2 585	0,7
Other bacterial diseases (A30-A49)	2 404	0,6
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	2 308	0,6
Malnutrition (E40-E46)	2 156	0,6
Other diseases of the respiratory system (J90-J94)	2 132	0,6
Metabolic disorders (E70-E88)	2 006	0,5
Malignant neoplasms of breast (C50)	1 903	0,5
Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	1 861	0,5
Diseases of oesophagus, stomach and duodenum (K20-K31)	1 838	0,5
Complications of medical and surgical care (Y40-Y84)	1 823	0,5
Protozoal diseases (B50-B64)	1 768	0,5
Malignant neoplasms of male genital organs (C60-C63)	1 739	0,5
Diseases of arteries, arterioles and capillaries (I70-I79)	1 581	0,4
Disorders related to length of gestation and foetal growth (P05-P08)	1 542	0,4
Aplastic and other anaemias (D60-D64)	1 527	0,4
Other respiratory diseases principally affecting the interstitium (J80-J84)	1 483	0,4
Infections specific to the perinatal period (P35-P39)	1 474	0,4
Other acute lower respiratory infections (J20-J22)	1 461	0,4
Noninfective enteritis and colitis (K50-K52)	1 161	0,3
Other diseases of intestines (K55-K63)	976	0,3
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	959	0,3
Foetus & newborn affected by maternal factors & by complications of pregnancy, labour & delivery (P00-P04)	933	0,2
Arthropathies (M00-M25)	827	0,2
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	797	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	773	0,2
Lung diseases due to external agents (J60-J70)	764	0,2
Cerebral palsy and other paralytic syndromes (G80-G83)	745	0,2
Disorders of gallbladder, biliary tract and pancreas (K80-K87)	736	0,2
Other disorders of the nervous system (G90-G98)	671	0,2
Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	662	0,2
Organic, including symptomatic, mental disorders (F00-F09)	646	0,2
Other disorders of glucose regulation and pancreatic internal secretion (E15-E16)	644	0,2
Other diseases of digestive system (K90-K93)	634	0,2
Malignant neoplasms of urinary tract (C64-C68)	627	0,2
Malignant neoplasms of independent (primary) multiple sites (C97)	609	0,2
Other disorders of the skin and subcutaneous tissue (L80-L99)	607	0,2
Mycoses (B35-B49)	593	0,2
Mental and behavioural disorders due to psychoactive substance use (F10-F19)	583	0,2

Appendix E: All underlying causes of death, 1999

1999	No.	%
Malignant neoplasms of mesothelial and soft tissue (C45-C49)	573	0,2
Chronic rheumatic heart diseases (I05-I09)	551	0,1
Other degenerative diseases of the nervous system (G30-G32)	533	0,1
Congenital malformations of the circulatory system (Q20-Q28)	532	0,1
Other diseases of pleura (J90-J94)	458	0,1
Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	452	0,1
Sequelae of infectious and parasitic diseases (B90-B94)	437	0,1
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)	431	0,1
Malignant neoplasms of eye, brain and other parts of central nervous system (C69-C72)	415	0,1
Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	397	0,1
Extrapyramidal and movement disorders (G20-G26)	343	0,1
Melanoma and other malignant neoplasms of skin (C43-C44)	340	0,1
Symptoms and signs involving the digestive system and abdomen (R10-R19)	339	0,1
Viral hepatitis (B15-B19)	332	0,1
Congenital malformations of the nervous system (Q00-Q07)	330	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	311	0,1
Systemic connective tissue disorders (M30-M36)	294	0,1
Renal tubulo-interstitial diseases (N10-N16)	290	0,1
Other diseases of urinary system (N30-N39)	289	0,1
Intentional self-harm (X60-X84)	284	0,1
Obesity and other hyperalimentation (E65-E68)	282	0,1
Other congenital malformations (Q80-Q89)	269	0,1
Glomerular diseases (N00-N08)	257	0,1
Diseases of peritoneum (K65-K67)	240	0,1
Coagulation defects, purpura and other haemorrhagic conditions (D65-D69)	212	0,1
Schizophrenia, schizotypal and delusional disorders (F20-F29)	210	0,1
Diseases of male genital organs (N40-N51)	205	0,1
Malignant neoplasms of bone and articular cartilage (C40-C41)	203	0,1
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	200	0,1
Infections with a predominately sexual mode of transmission (A50-A64)	198	0,1
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium (O10-O16)	185	0,0
Disorders of thyroid gland (E00-E07)	171	0,0
Benign neoplasms (D10-D36)	168	0,0
Other congenital malformation of the digestive system (Q38-Q45)	165	0,0
Soft tissue disorders (M60-M79)	157	0,0
Conditions involving the integument and temperature regulation of foetus and newborn (P80-P83)	156	0,0
Acute upper respiratory infections (J00-J06)	144	0,0
Hernia (K40-K46)	143	0,0
Inflammatory diseases of female pelvic organs (N70-N77)	140	0,0
Complications of labour and delivery (O60-O75)	139	0,0
Viral infections of the central nervous system (A80-A89)	135	0,0
Other nutritional deficiencies (E50-E64)	132	0,0
Pregnancy with abortive outcome (O00-O08)	132	0,0
Viral infections characterised by skin and mucous membrane lesions (B00-B09)	125	0,0
Nutritional anaemias (D50-D53)	125	0,0
Systemic atrophies primarily affecting the central nervous system (G10-G13)	119	0,0
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	115	0,0
Other infectious diseases (B99)	113	0,0
Complications predominantly related to the puerperium (O85-O92)	113	0,0
Other diseases of upper respiratory tract (J30-J39)	110	0,0
Helminthiases (B65-B83)	92	0,0
Osteopathies and chondropathies (M80-M94)	86	0,0
Dorsopathies (M40-M54)	84	0,0
Diseases of appendix (K35-K38)	83	0,0
Polynuropathies and other disorders of the peripheral nervous system (G60-G64)	77	0,0
Diseases of myoneural junction and muscle (G70-G73)	77	0,0
Noninflammatory disorders of female genital tract (N80-N98)	77	0,0
Diseases of middle ear and mastoid (H65-H75)	72	0,0
Disorders of other endocrine glands (E20-E35)	71	0,0
Other obstetric conditions not elsewhere classified (O95-O99)	68	0,0
Demyelinating diseases of the of the central nervous system (G35-G37)	64	0,0
Congenital malformations of the respiratory system (Q30-Q34)	61	0,0
Acute rheumatic fever (I00-I02)	56	0,0
Maternal care related to the foetus and amniotic cavity and possible delivery problems (O30-O48)	56	0,0
Other and unspecified disorders of the circulatory system (I95-I99)	55	0,0
Other disorders of kidney and urethra (N25-N29)	52	0,0

Appendix E: All underlying causes of death, 1999

1999	No.	%
Birth trauma (P10-P15)	51	0,0
Congenital malformations of the urinary system (Q60-Q64)	49	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	49	0,0
Other diseases of blood and blood-forming organs (D70-D77)	48	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	47	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	47	0,0
Congenital malformations of and deformations of the musculoskeletal system (Q65-Q79)	46	0,0
Dermatitis and eczema (L20-L30)	43	0,0
Behavioural syndromes associated with physiological disturbances and physical factors (F50-F59)	39	0,0
Neurotic, stress-related and somatoform disorders (F40-F48)	34	0,0
Mood [affective] disorders (F30-F39)	31	0,0
Unspecified mental disorder (F99)	31	0,0
Haemolytic anaemias (D55-D59)	29	0,0
Urticaria and erythema (L50-L54)	28	0,0
Other maternal disorders predominantly related to pregnancy (O20-O29)	26	0,0
In situ neoplasms (D00-D09)	24	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	23	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	21	0,0
Sequelae of external causes of morbidity and mortality (Y85-Y89)	21	0,0
Legal intervention and operations of war (Y35-Y36)	19	0,0
Unspecified/ Not yet resolved	19	0,0
Cleft lip and cleft palate (Q35-Q37)	18	0,0
Nerve, nerve root and plexus disorders (G50-G59)	17	0,0
Symptoms and signs involving the urinary system (R30-R39)	17	0,0
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90-A99)	15	0,0
Bullous disorders (L10-L14)	15	0,0
Visual disturbances and blindness (H53-H54)	13	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	12	0,0
Certain zoonotic bacteria diseases (A20-A28)	11	0,0
Pediculosis, acariasis and other infestations (B85-B89)	11	0,0
Papulosquamous disorders (L40-L45)	10	0,0
Symptoms and signs involving the skin and subcutaneous tissue (R20-R23)	10	0,0
Disorders of the breast (N60-N64)	9	0,0
Disorders of adult personality and behaviour (F60-F69)	8	0,0
Urolithiasis (N20-N23)	8	0,0
Rickettsioses (A75-A79)	7	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	7	0,0
Other spirochactal diseases (A65-A69)	5	0,0
Disorders of psychological development (F80-F89)	5	0,0
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90-F98)	5	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	5	0,0
Disorders of choroid and retina (H30-H36)	4	0,0
Disorders of vitreous body and globe (H43-H45)	4	0,0
Congenital malformations of eye, ear, face and neck (Q10-Q18)	4	0,0
Diseases of external ear (H60-H62)	3	0,0
Other diseases caused by chlamydiae (A70-A74)	2	0,0
Disorders of conjunctiva (H10-H13)	2	0,0
Other disorders of ear (H90-H95)	2	0,0
Congenital malformations of genital organs (Q50-Q56)	2	0,0
Symptoms and signs involving speech and voice (R47-R49)	2	0,0
Disorders of lens (H25-H28)	1	0,0
Glaucoma (H40-H42)	1	0,0
Disorders of ocular muscles, binocular movement, accommodation and refraction (H49-H52)	1	0,0
Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)	1	0,0
Disorders of skin appendages (L60-L75)	1	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	1	0,0
Mental retardation (F70-F79)	-	-
Disorders of optic nerve and visual pathways (H46-48)	-	-
Other disorders of eye and adnexa (H55-H59)	-	-
Diseases of inner ear (H80-H83)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-
Abnormal findings on examination of urine without diagnosis (R80-R82)	-	-

Appendix E: All underlying causes of death, 2000

2000	No.	%
All causes	413 736	100,0
Tuberculosis (A15-A19)	42 246	10,2
Ill-defined and unknown causes of mortality (R95-R99)	42 217	10,2
Events of undetermined intent (Y10-Y34)	36 759	8,9
Influenza and pneumonia (J10-J18)	24 629	6,0
Cerebrovascular diseases (I60-I69)	21 957	5,3
Other forms of heart diseases (I30-I52)	21 440	5,2
Intestinal infectious diseases (A00-A09)	14 209	3,4
Diabetes mellitus (E10-E14)	13 558	3,3
Chronic lower respiratory diseases (J40-J47)	13 269	3,2
Ischaemic heart diseases (I20-I25)	11 644	2,8
Certain disorders involving the immune mechanism (D80-D89)	10 950	2,6
Human immunodeficiency virus [HIV] disease (B20-B24)	10 459	2,5
Hypertensive diseases (I10-I15)	10 212	2,5
Malignant neoplasms of digestive organs (C15-C26)	9 202	2,2
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	8 877	2,1
General symptoms and signs (R50-R69)	6 069	1,5
Digestive system disorders of foetus and newborn (P75-P78)	5 616	1,4
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4 727	1,1
Diseases of liver (K70-K77)	4 619	1,1
Other external causes of accidental injury (W00-X59)	4 411	1,1
Renal failure (N17-N19)	4 219	1,0
Transport accidents (V01-V99)	4 202	1,0
Other viral diseases (B25-B34)	3 817	0,9
Inflammatory diseases of the central nervous system (G00-G09)	3 406	0,8
Other disorders originating in the perinatal period (P90-P96)	3 246	0,8
Episodic and paroxysmal disorders (G40-G47)	3 170	0,8
Malignant neoplasms of female genital organs (C51-C58)	3 126	0,8
Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	2 998	0,7
Other bacterial diseases (A30-A49)	2 838	0,7
Other diseases of the respiratory system (J90-J94)	2 444	0,6
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	2 363	0,6
Metabolic disorders (E70-E88)	2 321	0,6
Protozoal diseases (B50-B64)	2 241	0,5
Assault (X85-Y09)	2 119	0,5
Diseases of oesophagus, stomach and duodenum (K20-K31)	2 113	0,5
Malnutrition (E40-E46)	2 098	0,5
Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	1 954	0,5
Malignant neoplasms of breast (C50)	1 941	0,5
Malignant neoplasms of male genital organs (C60-C63)	1 836	0,4
Complications of medical and surgical care (Y40-Y84)	1 763	0,4
Noninfective enteritis and colitis (K50-K52)	1 762	0,4
Aplastic and other anaemias (D60-D64)	1 695	0,4
Other acute lower respiratory infections (J20-J22)	1 647	0,4
Disorders related to length of gestation and foetal growth (P05-P08)	1 644	0,4
Infections specific to the perinatal period (P35-P39)	1 572	0,4
Diseases of arteries, arterioles and capillaries (I70-I79)	1 571	0,4
Other respiratory diseases principally affecting the interstitium (J80-J84)	1 298	0,3
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	1 289	0,3
Other diseases of intestines (K55-K63)	1 083	0,3
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	967	0,2
Mycoses (B35-B49)	947	0,2
Arthropathies (M00-M25)	828	0,2
Foetus & newborn affected by maternal factors & by complications of pregnancy, labour & delivery (P00-P04)	807	0,2
Cerebral palsy and other paralytic syndromes (G80-G83)	804	0,2
Organic, including symptomatic, mental disorders (F00-F09)	793	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	785	0,2
Other disorders of glucose regulation and pancreatic internal secretion (E15-E16)	767	0,2
Lung diseases due to external agents (J60-J70)	745	0,2
Disorders of gallbladder, biliary tract and pancreas (K80-K87)	743	0,2
Malignant neoplasms of urinary tract (C64-C68)	688	0,2
Other disorders of the nervous system (G90-G98)	664	0,2
Malignant neoplasms of mesothelial and soft tissue (C45-C49)	663	0,2
Other diseases of digestive system (K90-K93)	660	0,2
Other disorders of the skin and subcutaneous tissue (L80-L99)	651	0,2
Malignant neoplasms of independent (primary) multiple sites (C97)	651	0,2
Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	643	0,2
Other degenerative diseases of the nervous system (G30-G32)	627	0,2

Appendix E: All underlying causes of death, 2000

2000	No.	%
Symptoms and signs involving the digestive system and abdomen (R10-R19)	623	0,2
Chronic rheumatic heart diseases (I05-I09)	552	0,1
Congenital malformations of the circulatory system (Q20-Q28)	548	0,1
Mental and behavioural disorders due to psychoactive substance use (F10-F19)	533	0,1
Other diseases of pleura (J90-J94)	525	0,1
Sequelae of infectious and parasitic diseases (B90-B94)	507	0,1
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)	482	0,1
Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	446	0,1
Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	396	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	378	0,1
Malignant neoplasms of eye, brain and other parts of central nervous system (C69-C72)	373	0,1
Congenital malformations of the nervous system (Q00-Q07)	353	0,1
Extrapyramidal and movement disorders (G20-G26)	344	0,1
Melanoma and other malignant neoplasms of skin (C43-C44)	311	0,1
Renal tubulo-interstitial diseases (N10-N16)	279	0,1
Glomerular diseases (N00-N08)	272	0,1
Intentional self-harm (X60-X84)	267	0,1
Obesity and other hyperalimentation (E65-E68)	266	0,1
Other diseases of urinary system (N30-N39)	264	0,1
Diseases of peritoneum (K65-K67)	260	0,1
Viral hepatitis (B15-B19)	254	0,1
Coagulation defects, purpura and other haemorrhagic conditions (D65-D69)	249	0,1
Systemic connective tissue disorders (M30-M36)	247	0,1
Schizophrenia, schizotypal and delusional disorders (F20-F29)	245	0,1
Other congenital malformations (Q80-Q89)	241	0,1
Diseases of male genital organs (N40-N51)	216	0,1
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium (O10-O16)	215	0,1
Other infectious diseases (B99)	209	0,1
Inflammatory diseases of female pelvic organs (N70-N77)	209	0,1
Malignant neoplasms of bone and articular cartilage (C40-C41)	194	0,0
Disorders of thyroid gland (E00-E07)	189	0,0
Viral infections of the central nervous system (A80-A89)	186	0,0
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	180	0,0
Soft tissue disorders (M60-M79)	178	0,0
Viral infections characterised by skin and mucous membrane lesions (B00-B09)	175	0,0
Benign neoplasms (D10-D36)	172	0,0
Other congenital malformation of the digestive system (Q38-Q45)	167	0,0
Infections with a predominately sexual mode of transmission (A50-A64)	161	0,0
Nutritional anaemias (D50-D53)	148	0,0
Acute upper respiratory infections (J00-J06)	145	0,0
Pregnancy with abortive outcome (O00-O08)	134	0,0
Other nutritional deficiencies (E50-E64)	132	0,0
Complications predominantly related to the puerperium (O85-O92)	130	0,0
Other diseases of upper respiratory tract (J30-J39)	129	0,0
Conditions involving the integument and temperature regulation of foetus and newborn (P80-P83)	125	0,0
Systemic atrophies primarily affecting the central nervous system (G10-G13)	121	0,0
Osteopathies and chondropathies (M80-M94)	121	0,0
Hernia (K40-K46)	117	0,0
Complications of labour and delivery (O60-O75)	116	0,0
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	116	0,0
Diseases of appendix (K35-K38)	104	0,0
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)	101	0,0
Helminthiases (B65-B83)	97	0,0
Diseases of myoneural junction and muscle (G70-G73)	88	0,0
Noninflammatory disorders of female genital tract (N80-N98)	76	0,0
Dorsopathies (M40-M54)	73	0,0
Other obstetric conditions not elsewhere classified (O95-O99)	70	0,0
Disorders of other endocrine glands (E20-E35)	69	0,0
Other and unspecified disorders of the circulatory system (I95-I99)	68	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	68	0,0
Congenital malformations of and deformations of the musculoskeletal system (Q65-Q79)	67	0,0
Diseases of middle ear and mastoid (H65-H75)	65	0,0
Sequelae of external causes of morbidity and mortality (Y85-Y89)	64	0,0
Other disorders of kidney and urethra (N25-N29)	61	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	60	0,0
Behavioural syndromes associated with physiological disturbances and physical factors (F50-F59)	58	0,0
Maternal care related to the foetus and amniotic cavity and possible delivery problems (O30-O48)	56	0,0

Appendix E: All underlying causes of death, 2000

2000	No.	%
Congenital malformations of the urinary system (Q60-Q64)	56	0,0
Congenital malformations of the respiratory system (Q30-Q34)	53	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	50	0,0
Haemolytic anaemias (D55-D59)	49	0,0
Birth trauma (P10-P15)	49	0,0
Demyelinating diseases of the of the central nervous system (G35-G37)	46	0,0
Urticaria and erythema (L50-L54)	46	0,0
Acute rheumatic fever (I00-I02)	42	0,0
Neurotic, stress-related and somatoform disorders (F40-F48)	41	0,0
Other diseases of blood and blood-forming organs (D70-D77)	39	0,0
Unspecified mental disorder (F99)	39	0,0
Other maternal disorders predominantly related to pregnancy (O20-O29)	38	0,0
Symptoms and signs involving the urinary system (R30-R39)	38	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	31	0,0
Dermatitis and eczema (L20-L30)	28	0,0
Mood [affective] disorders (F30-F39)	27	0,0
Disorders of the breast (N60-N64)	26	0,0
In situ neoplasms (D00-D09)	25	0,0
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90-A99)	23	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	18	0,0
Pediculosis, acariasis and other infestations (B85-B89)	16	0,0
Nerve, nerve root and plexus disorders (G50-G59)	16	0,0
Papulosquamous disorders (L40-L45)	16	0,0
Urolithiasis (N20-N23)	16	0,0
Symptoms and signs involving the skin and subcutaneous tissue (R20-R23)	16	0,0
Bullous disorders (L10-L14)	14	0,0
Legal intervention and operations of war (Y35-Y36)	13	0,0
Cleft lip and cleft palate (Q35-Q37)	12	0,0
Other spirochactal diseases (A65-A69)	11	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	11	0,0
Visual disturbances and blindness (H53-H54)	10	0,0
Congenital malformations of eye, ear, face and neck (Q10-Q18)	9	0,0
Disorders of adult personality and behaviour (F60-F69)	8	0,0
Disorders of psychological development (F80-F89)	7	0,0
Symptoms and signs involving speech and voice (R47-R49)	7	0,0
Unspecified/ Not yet resolved	7	0,0
Congenital malformations of genital organs (Q50-Q56)	5	0,0
Certain zoonotic bacteria diseases (A20-A28)	4	0,0
Rickettsioses (A75-A79)	4	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	4	0,0
Diseases of external ear (H60-H62)	4	0,0
Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)	4	0,0
Abnormal findings on examination of urine without diagnosis (R80-R82)	4	0,0
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90-F98)	3	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	3	0,0
Disorders of lens (H25-H28)	3	0,0
Glaucoma (H40-H42)	3	0,0
Disorders of vitreous body and globe (H43-H45)	3	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	3	0,0
Disorders of choroid and retina (H30-H36)	2	0,0
Disorders of optic nerve and visual pathways (H46-48)	2	0,0
Disorders of ocular muscles, binocular movement, accommodation and refraction (H49-H52)	2	0,0
Other disorders of ear (H90-H95)	2	0,0
Disorders of skin appendages (L60-L75)	2	0,0
Other diseases caused by chlamydiae (A70-A74)	1	0,0
Other disorders of eye and adnexa (H55-H59)	1	0,0
Mental retardation (F70-F79)	-	-
Disorders of conjunctiva (H10-H13)	-	-
Diseases of inner ear (H80-H83)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-

Appendix E: All underlying causes of death, 2001

2001	No.	%
All causes	452 896	100,0
Tuberculosis (A15-A19)	51 098	11,3
Ill-defined and unknown causes of mortality (R95-R99)	48 866	10,8
Events of undetermined intent (Y10-Y34)	34 860	7,7
Influenza and pneumonia (J10-J18)	31 575	7,0
Other forms of heart diseases (I30-I52)	22 633	5,0
Cerebrovascular diseases (I60-I69)	22 608	5,0
Intestinal infectious diseases (A00-A09)	16 146	3,6
Chronic lower respiratory diseases (J40-J47)	14 746	3,3
Diabetes mellitus (E10-E14)	14 579	3,2
Ischaemic heart diseases (I20-I25)	11 784	2,6
Certain disorders involving the immune mechanism (D80-D89)	11 697	2,6
Hypertensive diseases (I10-I15)	10 763	2,4
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	9 494	2,1
Malignant neoplasms of digestive organs (C15-C26)	9 395	2,1
Human immunodeficiency virus [HIV] disease (B20-B24)	9 244	2,0
General symptoms and signs (R50-R69)	5 932	1,3
Digestive system disorders of foetus and newborn (P75-P78)	5 546	1,2
Diseases of liver (K70-K77)	5 066	1,1
Other external causes of accidental injury (W00-X59)	4 965	1,1
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4 915	1,1
Renal failure (N17-N19)	4 849	1,1
Other viral diseases (B25-B34)	4 823	1,1
Transport accidents (V01-V99)	4 458	1,0
Inflammatory diseases of the central nervous system (G00-G09)	4 174	0,9
Assault (X85-Y09)	3 773	0,8
Other disorders originating in the perinatal period (P90-P96)	3 473	0,8
Episodic and paroxysmal disorders (G40-G47)	3 285	0,7
Malignant neoplasms of female genital organs (C51-C58)	3 253	0,7
Other bacterial diseases (A30-A49)	3 210	0,7
Other diseases of the respiratory system (J90-J94)	3 157	0,7
Protozoal diseases (B50-B64)	2 894	0,6
Metabolic disorders (E70-E88)	2 625	0,6
Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	2 578	0,6
Noninfective enteritis and colitis (K50-K52)	2 480	0,5
Diseases of oesophagus, stomach and duodenum (K20-K31)	2 387	0,5
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	2 366	0,5
Other acute lower respiratory infections (J20-J22)	2 291	0,5
Malnutrition (E40-E46)	2 196	0,5
Malignant neoplasms of breast (C50)	2 192	0,5
Aplastic and other anaemias (D60-D64)	2 185	0,5
Other respiratory diseases principally affecting the interstitium (J80-J84)	1 972	0,4
Malignant neoplasms of male genital organs (C60-C63)	1 867	0,4
Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	1 848	0,4
Infections specific to the perinatal period (P35-P39)	1 640	0,4
Complications of medical and surgical care (Y40-Y84)	1 601	0,4
Diseases of arteries, arterioles and capillaries (I70-I79)	1 591	0,4
Disorders related to length of gestation and foetal growth (P05-P08)	1 412	0,3
Mycoses (B35-B49)	1 359	0,3
Other diseases of intestines (K55-K63)	1 153	0,3
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	1 046	0,2
Arthropathies (M00-M25)	910	0,2
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	887	0,2
Malignant neoplasms of mesothelial and soft tissue (C45-C49)	858	0,2
Lung diseases due to external agents (J60-J70)	829	0,2
Organic, including symptomatic, mental disorders (F00-F09)	827	0,2
Disorders of gallbladder, biliary tract and pancreas (K80-K87)	813	0,2
Cerebral palsy and other paralytic syndromes (G80-G83)	806	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	805	0,2
Other disorders of glucose regulation and pancreatic internal secretion (E15-E16)	774	0,2
Other diseases of digestive system (K90-K93)	733	0,2
Malignant neoplasms of urinary tract (C64-C68)	721	0,2
Other disorders of the nervous system (G90-G98)	693	0,2
Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	692	0,2
Other degenerative diseases of the nervous system (G30-G32)	619	0,1
Other disorders of the skin and subcutaneous tissue (L80-L99)	601	0,1

Appendix E: All underlying causes of death, 2001

2001	No.	%
Chronic rheumatic heart diseases (I05-I09)	586	0,1
Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	565	0,1
Foetus & newborn affected by maternal factors & by complications of pregnancy, labour & delivery (P00-P04)	547	0,1
Other diseases of pleura (J90-J94)	541	0,1
Symptoms and signs involving the digestive system and abdomen (R10-R19)	533	0,1
Congenital malformations of the circulatory system (Q20-Q28)	529	0,1
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)	495	0,1
Mental and behavioural disorders due to psychoactive substance use (F10-F19)	462	0,1
Malignant neoplasms of independent (primary) multiple sites (C97)	454	0,1
Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	447	0,1
Melanoma and other malignant neoplasms of skin (C43-C44)	447	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	440	0,1
Intentional self-harm (X60-X84)	385	0,1
Malignant neoplasms of eye, brain and other parts of central nervous system (C69-C72)	379	0,1
Congenital malformations of the nervous system (Q00-Q07)	358	0,1
Sequelae of infectious and parasitic diseases (B90-B94)	351	0,1
Renal tubulo-interstitial diseases (N10-N16)	332	0,1
Soft tissue disorders (M60-M79)	322	0,1
Extrapyramidal and movement disorders (G20-G26)	316	0,1
Glomerular diseases (N00-N08)	302	0,1
Diseases of peritoneum (K65-K67)	301	0,1
Systemic connective tissue disorders (M30-M36)	282	0,1
Viral hepatitis (B15-B19)	278	0,1
Other diseases of urinary system (N30-N39)	275	0,1
Diseases of male genital organs (N40-N51)	242	0,1
Inflammatory diseases of female pelvic organs (N70-N77)	233	0,1
Coagulation defects, purpura and other haemorrhagic conditions (D65-D69)	232	0,1
Schizophrenia, schizotypal and delusional disorders (F20-F29)	231	0,1
Obesity and other hyperalimentation (E65-E68)	222	0,0
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium (O10-O16)	218	0,0
Viral infections of the central nervous system (A80-A89)	212	0,0
Other congenital malformations (Q80-Q89)	203	0,0
Viral infections characterised by skin and mucous membrane lesions (B00-B09)	201	0,0
Acute upper respiratory infections (J00-J06)	192	0,0
Other infectious diseases (B99)	188	0,0
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	180	0,0
Disorders of thyroid gland (E00-E07)	179	0,0
Malignant neoplasms of bone and articular cartilage (C40-C41)	176	0,0
Benign neoplasms (D10-D36)	174	0,0
Complications predominantly related to the puerperium (O85-O92)	170	0,0
Sequelae of external causes of morbidity and mortality (Y85-Y89)	165	0,0
Hernia (K40-K46)	164	0,0
Systemic atrophies primarily affecting the central nervous system (G10-G13)	162	0,0
Other congenital malformation of the digestive system (Q38-Q45)	160	0,0
Nutritional anaemias (D50-D53)	148	0,0
Complications of labour and delivery (O60-O75)	148	0,0
Pregnancy with abortive outcome (O00-O08)	141	0,0
Infections with a predominately sexual mode of transmission (A50-A64)	139	0,0
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	136	0,0
Osteopathies and chondropathies (M80-M94)	123	0,0
Other nutritional deficiencies (E50-E64)	118	0,0
Diseases of appendix (K35-K38)	118	0,0
Conditions involving the integument and temperature regulation of foetus and newborn (P80-P83)	116	0,0
Helminthiases (B65-B83)	115	0,0
Other disorders of kidney and urethra (N25-N29)	113	0,0
Other obstetric conditions not elsewhere classified (O95-O99)	105	0,0
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)	99	0,0
Other diseases of upper respiratory tract (J30-J39)	98	0,0
Dorsopathies (M40-M54)	97	0,0
Diseases of myoneural junction and muscle (G70-G73)	92	0,0
Diseases of middle ear and mastoid (H65-H75)	87	0,0
Noninflammatory disorders of female genital tract (N80-N98)	81	0,0
Other and unspecified disorders of the circulatory system (I95-I99)	76	0,0
Congenital malformations of the respiratory system (Q30-Q34)	75	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	69	0,0
Congenital malformations of the urinary system (Q60-Q64)	69	0,0
Demyelinating diseases of the of the central nervous system (G35-G37)	63	0,0

Appendix E: All underlying causes of death, 2001

2001	No.	%
Congenital malformations of and deformations of the musculoskeletal system (Q65-Q79)	62	0,0
Disorders of other endocrine glands (E20-E35)	59	0,0
Unspecified/ Not yet resolved	58	0,0
Other diseases of blood and blood-forming organs (D70-D77)	57	0,0
Birth trauma (P10-P15)	53	0,0
Mood [affective] disorders (F30-F39)	47	0,0
Maternal care related to the foetus and amniotic cavity and possible delivery problems (O30-O48)	47	0,0
Haemolytic anaemias (D55-D59)	43	0,0
Urticaria and erythema (L50-L54)	42	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	42	0,0
Behavioural syndromes associated with physiological disturbances and physical factors (F50-F59)	40	0,0
Dermatitis and eczema (L20-L30)	39	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	37	0,0
Neurotic, stress-related and somatoform disorders (F40-F48)	33	0,0
Nerve, nerve root and plexus disorders (G50-G59)	32	0,0
Acute rheumatic fever (I00-I02)	31	0,0
Other maternal disorders predominantly related to pregnancy (O20-O29)	31	0,0
Disorders of the breast (N60-N64)	29	0,0
Symptoms and signs involving skin and subcutaneous tissue (R20-R23)	23	0,0
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90-A99)	21	0,0
Unspecified mental disorder (F99)	20	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	16	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	16	0,0
Bullous disorders (L10-L14)	14	0,0
Urolithiasis (N20-N23)	13	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	13	0,0
Pediculosis, acariasis and other infestations (B85-B89)	11	0,0
Symptoms and signs involving the urinary system (R30-R39)	11	0,0
Other spirochactal diseases (A65-A69)	10	0,0
Visual disturbances and blindness (H53-H54)	10	0,0
In situ neoplasms (D00-D09)	7	0,0
Cleft lip and cleft palate (Q35-Q37)	7	0,0
Legal intervention and operations of war (Y35-Y36)	7	0,0
Papulosquamous disorders (L40-L45)	6	0,0
Rickettsioses (A75-A79)	5	0,0
Disorders of skin appendages (L60-L75)	5	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	4	0,0
Congenital malformations of eye, ear, face and neck (Q10-Q18)	4	0,0
Symptoms and signs involving speech and voice (R47-R49)	4	0,0
Disorders of adult personality and behaviour (F60-F69)	2	0,0
Other disorders of eye and adnexa (H55-H59)	2	0,0
Congenital malformations of genital organs (Q50-Q56)	2	0,0
Certain zoonotic bacteria diseases (A20-A28)	1	0,0
Disorders of psychological development (F80-F89)	1	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	1	0,0
Disorders of lens (H25-H28)	1	0,0
Disorders of choroid and retina (H30-H36)	1	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	1	0,0
Other diseases caused by chlamydiae (A70-A74)	-	-
Mental retardation (F70-F79)	-	-
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90-F98)	-	-
Disorders of conjunctiva (H10-H13)	-	-
Glaucoma (H40-H42)	-	-
Disorders of vitreous body and globe (H43-H45)	-	-
Disorders of optic nerve and visual pathways (H46-48)	-	-
Disorders of ocular muscles, binocular movement, accommodation and refraction (H49-H52)	-	-
Diseases of external ear (H60-H62)	-	-
Diseases of inner ear (H80-H83)	-	-
Other disorders of ear (H90-H95)	-	-
Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-
Abnormal findings on examination of urine without diagnosis (R80-R82)	-	-

Appendix E: All underlying causes of death, 2002

2002	No.	%
All causes	499 494	100,0
Tuberculosis (A15-A19)	60 311	12,1
Ill-defined and unknown causes of mortality (R95-R99)	52 793	10,6
Events of undetermined intent (Y10-Y34)	39 151	7,8
Influenza and pneumonia (J10-J18)	37 780	7,6
Cerebrovascular diseases (I60-I69)	25 231	5,1
Other forms of heart diseases (I30-I52)	22 687	4,5
Intestinal infectious diseases (A00-A09)	19 961	4,0
Diabetes mellitus (E10-E14)	15 744	3,2
Chronic lower respiratory diseases (J40-J47)	14 997	3,0
Certain disorders involving the immune mechanism (D80-D89)	12 717	2,5
Ischaemic heart diseases (I20-I25)	12 302	2,5
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	11 269	2,3
Hypertensive diseases (I10-I15)	10 809	2,2
Human immunodeficiency virus [HIV] disease (B20-B24)	10 491	2,1
Malignant neoplasms of digestive organs (C15-C26)	9 312	1,9
Digestive system disorders of foetus and newborn (P75-P78)	6 930	1,4
Other viral diseases (B25-B34)	6 066	1,2
General symptoms and signs (R50-R69)	6 013	1,2
Inflammatory diseases of the central nervous system (G00-G09)	5 181	1,0
Renal failure (N17-N19)	4 946	1,0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4 892	1,0
Diseases of liver (K70-K77)	4 840	1,0
Other external causes of accidental injury (W00-X59)	4 149	0,8
Other disorders originating in the perinatal period (P90-P96)	3 780	0,8
Protozoal diseases (B50-B64)	3 724	0,7
Transport accidents (V01-V99)	3 663	0,7
Other bacterial diseases (A30-A49)	3 614	0,7
Episodic and paroxysmal disorders (G40-G47)	3 510	0,7
Malignant neoplasms of female genital organs (C51-C58)	3 415	0,7
Other diseases of the respiratory system (J90-J94)	3 293	0,7
Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	3 070	0,6
Metabolic disorders (E70-E88)	3 041	0,6
Noninfective enteritis and colitis (K50-K52)	3 015	0,6
Other acute lower respiratory infections (J20-J22)	2 978	0,6
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	2 623	0,5
Aplastic and other anaemias (D60-D64)	2 611	0,5
Malnutrition (E40-E46)	2 392	0,5
Diseases of oesophagus, stomach and duodenum (K20-K31)	2 376	0,5
Assault (X85-Y09)	2 171	0,4
Malignant neoplasms of breast (C50)	2 121	0,4
Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	1 982	0,4
Disorders related to length of gestation and foetal growth (P05-P08)	1 949	0,4
Malignant neoplasms of male genital organs (C60-C63)	1 900	0,4
Complications of medical and surgical care (Y40-Y84)	1 856	0,4
Infections specific to the perinatal period (P35-P39)	1 758	0,4
Mycoses (B35-B49)	1 753	0,4
Other respiratory diseases principally affecting the interstitium (J80-J84)	1 741	0,3
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	1 586	0,3
Diseases of arteries, arterioles and capillaries (I70-I79)	1 569	0,3
Other diseases of intestines (K55-K63)	1 224	0,2
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	1 050	0,2
Arthropathies (M00-M25)	977	0,2
Other disorders of glucose regulation and pancreatic internal secretion (E15-E16)	946	0,2
Organic, including symptomatic, mental disorders (F00-F09)	945	0,2
Symptoms and signs involving the digestive system and abdomen (R10-R19)	907	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	905	0,2
Cerebral palsy and other paralytic syndromes (G80-G83)	864	0,2
Malignant neoplasms of mesothelial and soft tissue (C45-C49)	855	0,2
Lung diseases due to external agents (J60-J70)	849	0,2
Foetus & newborn affected by maternal factors & by complications of pregnancy, labour & delivery (P00-P04)	814	0,2
Disorders of gallbladder, biliary tract and pancreas (K80-K87)	802	0,2
Other diseases of digestive system (K90-K93)	772	0,2
Other disorders of the nervous system (G90-G98)	770	0,2
Sequelae of infectious and parasitic diseases (B90-B94)	748	0,1
Malignant neoplasms of urinary tract (C64-C68)	722	0,1
Other disorders of the skin and subcutaneous tissue (L80-L99)	710	0,1

Appendix E: All underlying causes of death, 2002

2002	No.	%
Malignant neoplasms of independent (primary) multiple sites (C97)	702	0,1
Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	668	0,1
Unspecified/ Not yet resolved	646	0,1
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)	616	0,1
Other diseases of pleura (J90-J94)	608	0,1
Other degenerative diseases of the nervous system (G30-G32)	592	0,1
Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	590	0,1
Chronic rheumatic heart diseases (I05-I09)	534	0,1
Congenital malformations of the circulatory system (Q20-Q28)	530	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	526	0,1
Mental and behavioural disorders due to psychoactive substance use (F10-F19)	496	0,1
Malignant neoplasms of eye, brain and other parts of central nervous system (C69-C72)	431	0,1
Renal tubulo-interstitial diseases (N10-N16)	407	0,1
Melanoma and other malignant neoplasms of skin (C43-C44)	386	0,1
Diseases of peritoneum (K65-K67)	385	0,1
Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	376	0,1
Congenital malformations of the nervous system (Q00-Q07)	357	0,1
Extrapyramidal and movement disorders (G20-G26)	339	0,1
Glomerular diseases (N00-N08)	338	0,1
Other diseases of urinary system (N30-N39)	322	0,1
Soft tissue disorders (M60-M79)	317	0,1
Other congenital malformations (Q80-Q89)	278	0,1
Coagulation defects, purpura and other haemorrhagic conditions (D65-D69)	262	0,1
Diseases of male genital organs (N40-N51)	254	0,1
Schizophrenia, schizotypal and delusional disorders (F20-F29)	248	0,0
Viral hepatitis (B15-B19)	247	0,0
Viral infections characterised by skin and mucous membrane lesions (B00-B09)	241	0,0
Intentional self-harm (X60-X84)	237	0,0
Viral infections of the central nervous system (A80-A89)	232	0,0
Inflammatory diseases of female pelvic organs (N70-N77)	231	0,0
Other infectious diseases (B99)	228	0,0
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	225	0,0
Obesity and other hyperalimentation (E65-E68)	221	0,0
Malignant neoplasms of bone and articular cartilage (C40-C41)	219	0,0
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium (O10-O16)	215	0,0
Systemic connective tissue disorders (M30-M36)	206	0,0
Acute upper respiratory infections (J00-J06)	195	0,0
Benign neoplasms (D10-D36)	178	0,0
Nutritional anaemias (D50-D53)	171	0,0
Disorders of thyroid gland (E00-E07)	169	0,0
Other congenital malformation of the digestive system (Q38-Q45)	160	0,0
Complications of labour and delivery (O60-O75)	150	0,0
Hernia (K40-K46)	148	0,0
Systemic atrophies primarily affecting the central nervous system (G10-G13)	139	0,0
Complications predominantly related to the puerperium (O85-O92)	138	0,0
Infections with a predominately sexual mode of transmission (A50-A64)	136	0,0
Osteopathies and chondropathies (M80-M94)	135	0,0
Pregnancy with abortive outcome (O00-O08)	134	0,0
Other nutritional deficiencies (E50-E64)	129	0,0
Other diseases of upper respiratory tract (J30-J39)	122	0,0
Noninflammatory disorders of female genital tract (N80-N98)	122	0,0
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)	119	0,0
Dorsopathies (M40-M54)	117	0,0
Conditions involving the integument and temperature regulation of foetus and newborn (P80-P83)	115	0,0
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	110	0,0
Diseases of appendix (K35-K38)	103	0,0
Other disorders of kidney and urethra (N25-N29)	92	0,0
Helminthiases (B65-B83)	91	0,0
Other and unspecified disorders of the circulatory system (I95-I99)	91	0,0
Diseases of middle ear and mastoid (H65-H75)	87	0,0
Diseases of myoneural junction and muscle (G70-G73)	85	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	83	0,0
Other obstetric conditions not elsewhere classified (O95-O99)	81	0,0
Disorders of other endocrine glands (E20-E35)	80	0,0
Urticaria and erythema (L50-L54)	74	0,0
Congenital malformations of the respiratory system (Q30-Q34)	68	0,0
Other diseases of blood and blood-forming organs (D70-D77)	65	0,0

Appendix E: All underlying causes of death, 2002

2002	No.	%
Demyelinating diseases of the of the central nervous system (G35-G37)	62	0,0
Congenital malformations of and deformations of the musculoskeletal system (Q65-Q79)	61	0,0
Neurotic, stress-related and somatoform disorders (F40-F48)	58	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	57	0,0
Maternal care related to the foetus and amniotic cavity and possible delivery problems (O30-O48)	56	0,0
Birth trauma (P10-P15)	56	0,0
Dermatitis and eczema (L20-L30)	52	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	52	0,0
Congenital malformations of the urinary system (Q60-Q64)	48	0,0
Mood [affective] disorders (F30-F39)	45	0,0
Behavioural syndromes associated with physiological disturbances and physical factors (F50-F59)	45	0,0
Acute rheumatic fever (I00-I02)	42	0,0
Haemolytic anaemias (D55-D59)	39	0,0
Sequelae of external causes of morbidity and mortality (Y85-Y89)	39	0,0
Other maternal disorders predominantly related to pregnancy (O20-O29)	31	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	30	0,0
Pediculosis, acariasis and other infestations (B85-B89)	29	0,0
In situ neoplasms (D00-D09)	27	0,0
Disorders of the breast (N60-N64)	27	0,0
Unspecified mental disorder (F99)	24	0,0
Nerve, nerve root and plexus disorders (G50-G59)	24	0,0
Bullous disorders (L10-L14)	22	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	20	0,0
Urolithiasis (N20-N23)	18	0,0
Symptoms and signs involving the skin and subcutaneous tissue (R20-R23)	18	0,0
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90-A99)	17	0,0
Symptoms and signs involving the urinary system (R30-R39)	17	0,0
Legal intervention and operations of war (Y35-Y36)	16	0,0
Other spirochactal diseases (A65-A69)	15	0,0
Disorders of adult personality and behaviour (F60-F69)	11	0,0
Certain zoonotic bacteria diseases (A20-A28)	10	0,0
Visual disturbances and blindness (H53-H54)	10	0,0
Cleft lip and cleft palate (Q35-Q37)	10	0,0
Papulosquamous disorders (L40-L45)	9	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	9	0,0
Symptoms and signs involving speech and voice (R47-R49)	8	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	7	0,0
Disorders of psychological development (F80-F89)	6	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	6	0,0
Congenital malformations of eye, ear, face and neck (Q10-Q18)	6	0,0
Rickettsioses (A75-A79)	5	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	5	0,0
Congenital malformations of genital organs (Q50-Q56)	5	0,0
Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)	3	0,0
Abnormal findings on examination of urine without diagnosis (R80-R82)	3	0,0
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90-F98)	2	0,0
Disorders of optic nerve and visual pathways (H46-48)	2	0,0
Diseases of external ear (H60-H62)	2	0,0
Disorders of skin appendages (L60-L75)	2	0,0
Other diseases caused by chlamydiae (A70-A74)	1	0,0
Glaucoma (H40-H42)	1	0,0
Disorders of vitreous body and globe (H43-H45)	1	0,0
Disorders of ocular muscles, binocular movement, accommodation and refraction (H49-H52)	1	0,0
Other disorders of eye and adnexa (H55-H59)	1	0,0
Other disorders of ear (H90-H95)	1	0,0
Mental retardation (F70-F79)	-	-
Disorders of conjunctiva (H10-H13)	-	-
Disorders of lens (H25-H28)	-	-
Disorders of choroid and retina (H30-H36)	-	-
Diseases of inner ear (H80-H83)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-

Appendix E: All underlying causes of death, 2003

2003	No.	%
All causes	552 825	100,0
Tuberculosis (A15-A19)	67 609	12,2
Ill-defined and unknown causes of mortality (R95-R99)	58 203	10,5
Influenza and pneumonia (J10-J18)	45 351	8,2
Events of undetermined intent (Y10-Y34)	38 814	7,0
Cerebrovascular diseases (I60-I69)	27 445	5,0
Intestinal infectious diseases (A00-A09)	24 394	4,4
Other forms of heart disease (I30-I52)	23 996	4,3
Diabetes mellitus (E10-E14)	16 761	3,0
Chronic lower respiratory diseases (J40-J47)	16 130	2,9
Certain disorders involving immune mechanism (D80-D89)	15 109	2,7
Ischaemic heart diseases (I20-I25)	13 324	2,4
Respir. & cardio. disorders - perinatal period (P20-P29)	12 756	2,3
Hypertensive diseases (I10-I15)	11 678	2,1
Human immunodeficiency virus [HIV] disease (B20-B24)	11 650	2,1
Malignant neoplasms of digestive organs (C15-C26)	9 421	1,7
Other viral diseases (B25-B34)	7 905	1,4
Digestive system disorders of foetus & newborn (P75-P78)	7 617	1,4
General symptoms and signs (R50-R69)	6 675	1,2
Inflammatory diseases - central nervous system (G00-G09)	6 521	1,2
Renal failure (N17-N19)	5 851	1,1
Diseases of liver (K70-K77)	4 990	0,9
Malig. neoplasms of respir. & intrathr. organs (C30-C39)	4 876	0,9
Transport accidents (V01-V99)	4 456	0,8
Other acute lower respiratory infections (J20-J22)	4 360	0,8
Other diseases of the respiratory system (J90-J94)	4 354	0,8
Other external causes of accidental injury (W00-X59)	4 262	0,8
Other disorders originating in perinatal period (P90-P96)	4 202	0,8
Protozoal diseases (B50-B64)	3 961	0,7
Other bacterial diseases (A30-A49)	3 865	0,7
Episodic and paroxysmal disorders (G40-G47)	3 797	0,7
Malignant neoplasms of female genital organs (C51-C58)	3 514	0,6
Noninfective enteritis and colitis (K50-K52)	3 459	0,6
Metabolic disorders (E70-E88)	3 367	0,6
Malignant neoplasms of ill-defined, secondary & unspecified sites (C76-C80)	3 257	0,6
Aplastic and other anaemias (D60-D64)	2 818	0,5
Pulmonary heart disease & diseases of pulmonary circulation (I26-I28)	2 710	0,5
Diseases of oesophagus, stomach & duodenum (K20-K31)	2 651	0,5
Assault (X85-Y09)	2 572	0,5
Malnutrition (E40-E46)	2 255	0,4
Malignant neoplasms of breast (C50)	2 161	0,4
Infections specific to the perinatal period (P35-P39)	2 152	0,4
Mycoses (B35-B49)	2 117	0,4
Other respiratory diseases principally affecting the interstitium (J80-J84)	2 093	0,4
Malignant neoplasms of lymphoid, haematopoietic & related tissue (C81-C96)	2 087	0,4
Complications of medical and surgical care (Y40-Y84)	2 049	0,4
Symptoms & signs involving circulatory & respiratory systems (R00-R09)	2 022	0,4
Disorders related to the length of gestation and foetal growth (P05-P08)	2 017	0,4
Malignant neoplasms of male genital organs (C60-C63)	1 996	0,4
Diseases of arteries, arterioles and capillaries (I70-I79)	1 700	0,3
Other diseases of intestines (K55-K63)	1 291	0,2
Other disorders of glucose regulation & pancreatic internal secretion (E15-E16)	1 136	0,2
Malig. neoplasms of lip, oral cavity and pharynx (C00-C14)	1 125	0,2
Arthropathies (M00-M25)	1 028	0,2
Malig. neoplasms of mesothelial & soft tissue (C45-C49)	1 010	0,2
Organic, incl. symptomatic, mental disorders (F00-F09)	1 002	0,2
Symptoms & signs involving digestive system & abdomen (R10-R19)	978	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	936	0,2
Other diseases of the digestive system (K90-K93)	914	0,2
Foetus & newborn affected by maternal factors & by complications of pregnancy, labour & delivery (P00-P04)	883	0,2
Lung diseases due to external agents (J60-J70)	871	0,2
Other disorders of the nervous system (G90-G98)	862	0,2
Disorders of gallbladder, biliary tract & pancreas (K80-K87)	862	0,2
Cerebral palsy and other paralytic syndromes (G80-G83)	845	0,2
Diseases of veins, lymphatic vessels & lymph nodes, not elsewhere classified (I80-I89)	754	0,1
Malig. neoplasms - independent (prim.) multiple sites (C97)	744	0,1
Other degenerative diseases of nervous system (G30-32)	719	0,1
Other diseases of pleura (J90-J94)	710	0,1
Transitory endocrine & metabolic disorders specific to foetus & newborn (P70-P74)	699	0,1
Malignant neoplasms of urinary tract (C64-C68)	698	0,1
Other disorders of skin & subcutaneous tissue (L80-L99)	693	0,1

Appendix E: All underlying causes of death, 2003

2003	No.	%
Sequelae of infectious and parasitic diseases (B90-B94)	678	0,1
Haemorrhagic & haematological disorders of foetus & newborn (P50-P61)	673	0,1
Congenital malformations of circulatory system (Q20-Q28)	546	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	525	0,1
Chronic rheumatic heart diseases (I05-I09)	520	0,1
Renal tubulo-interstitial diseases (N10-N16)	450	0,1
Suppurative & necrotic conditions of lower respiratory tract (J85-J86)	449	0,1
Malignant neoplasms of eye, brain & other parts of central nervous system (C69-C72)	426	0,1
Mental & behavioural disorders due to psychoactive substance use (F10-F19)	423	0,1
Diseases of peritoneum (K65-K67)	405	0,1
Soft tissue disorders (M60-M79)	373	0,1
Melanoma & other malignant neoplasms of skin (C43-C44)	372	0,1
Congenital malformations of the nervous system (Q00-Q07)	353	0,1
Extrapyramidal and movement disorders (G20-G26)	349	0,1
Glomerular diseases (N00-N08)	347	0,1
Other diseases of urinary system (N30-N39)	344	0,1
Other infectious diseases (B99)	293	0,1
Other congenital malformations (Q80-Q89)	292	0,1
Viral infections characterised by skin & mucous membrane lesions (B00-B09)	281	0,1
Unspecified/Not yet resolved	281	0,1
Viral hepatitis (B15-B19)	277	0,1
Acute upper respiratory infections (J00-J06)	267	0,0
Intentional self-harm (X60-X84)	259	0,0
Schizophrenia, schizotypal & delusional. disorders (F20-F29)	254	0,0
Coagulation defects, purpura & other haemorrhagic conditions (D65-D69)	249	0,0
Viral infections of the central nervous system (A80-A89)	248	0,0
Inflammatory diseases of female pelvic organs (N70-N77)	245	0,0
Oedema, proteinuria & hypertensive disorders in pregnancy, childbirth & puerperium (O10-O16)	230	0,0
Benign neoplasms (D10-D36)	224	0,0
Diseases of male genital organs (N40-N51)	217	0,0
Obesity and other hyperalimentation (E65-E68)	216	0,0
Systemic connective tissue disorders (M30-M36)	213	0,0
Malign. neoplasms of bone & particular cartilage (C40-C41)	202	0,0
Other congenital malformations of digestive system (Q38-Q45)	199	0,0
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	196	0,0
Polyneuropathies & other disorders of peripheral nervous system (G60-G64)	188	0,0
Nutritional anaemias (D50-D53)	186	0,0
Hernia (K40-K46)	178	0,0
Disorders of thyroid gland (E00-E07)	168	0,0
Complications pred. related to puerperium (O85-O92)	166	0,0
Complications of labour and delivery (O60-O75)	154	0,0
Pregnancy with abortive outcome (O00-O08)	151	0,0
Systemic atrophies primarily affecting central nervous system (G10-G13)	141	0,0
Dorsopathies (M40-M54)	141	0,0
Other diseases of upper respiratory tract (J30-J39)	133	0,0
Infections with a predominantly sexual mode of transmission (A50-A64)	131	0,0
Other nutritional deficiencies (E50-E64)	131	0,0
Conditions involving integument & temperature regulation of foetus & newborn (P80-P83)	131	0,0
Noninflammatory disorders of female genital tract (N80-N98)	126	0,0
Malignant neoplasms of thyroid & other endocrine glands (C73-C75)	123	0,0
Osteopathies and chondropathies (M80-M94)	122	0,0
Diseases of appendix (K35-K38)	121	0,0
Other disorders of kidney and urethra (N25-N29)	118	0,0
Helminthiasis (B65-B83)	105	0,0
Diseases of middle ear and mastoid (H65-H75)	99	0,0
Other obstetric conditions, not elsewhere classified (O95-O99)	99	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	94	0,0
Disorders of other endocrine glands (E20-E35)	89	0,0
Diseases of myoneural junction and muscle (G70-G73)	87	0,0
Other & unspec. disorders of circulatory system (I95-I99)	86	0,0
Symptoms & signs involving cognition, perception, emotional state & behaviour (R40-R46)	80	0,0
Other diseases of blood & blood-forming organs (D70-D77)	78	0,0
Dermatitis and eczema (L20-L30)	73	0,0
Birth trauma (P10-P15)	72	0,0
Demyelinating diseases of central nerv. system (G35-G37)	70	0,0
Congenital malformations of respiratory system (Q30-Q34)	70	0,0
Congenital malformations of & deformations of the musculoskeletal system (Q65-Q79)	69	0,0
Maternal care related to foetus & amniotic cavity & possible delivery problems (O30-O48)	66	0,0
Urticaria and erythema (L50-L54)	62	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	62	0,0
Behavioural syndromes associated with physiological disturbances & physical factors (F50-F59)	60	0,0

Appendix E: All underlying causes of death, 2003

2003	No.	%
Sequelae of external causes of morbid. & mort. (Y85-Y89)	60	0,0
Neurotic, stress-related & somatoform disorders (F40-F48)	55	0,0
Congenital malformations of urinary system (Q60-Q64)	55	0,0
Mood [affective] disorders (F30-F39)	52	0,0
Other maternal disorders predominantly related to pregnancy (O20-O29)	46	0,0
Acute rheumatic fever (I00-I02)	41	0,0
Haemolytic anaemias (D55-D59)	38	0,0
Symptoms & signs involving the urinary system (R30-R39)	36	0,0
In situ neoplasms (D00-D09)	35	0,0
Symptoms & signs involving the nervous & musculoskeletal systems (R25-R29)	33	0,0
Unspecified mental disorder (F99)	32	0,0
Disorders of the breast (N60-N64)	29	0,0
Symptoms & signs involving skin & subcutaneous tissue (R20-R23)	29	0,0
Arthropod-borne viral fevers & viral haemorrhagic fevers (A90-A99)	25	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	25	0,0
Bullous disorders (L10-L14)	22	0,0
Nerve, nerve root and plexus disorders (G50-G59)	16	0,0
Congenital malformations of eye, ear, face & neck (Q10-Q18)	16	0,0
Legal intervention and operations of war (Y35-Y36)	15	0,0
Pediculosis, acariasis and other infestations (B85-B89)	14	0,0
Urolithiasis (N20-N23)	14	0,0
Cleft lip and cleft palate (Q35-Q37)	14	0,0
Congenital malformations of genital organs (Q50-Q56)	13	0,0
Visual disturbances and blindness (H53-H54)	11	0,0
Symptoms and signs involving speech and voice (R47-R49)	11	0,0
Abnormal findings on examination of other fluids, substances & tissues without diagnosis (R83-R89)	9	0,0
Papulosquamous disorders (L40-L45)	8	0,0
Other spirochactal diseases (A65-A69)	7	0,0
Certain zoonotic bacteria diseases (A20-A28)	6	0,0
Disorders of adult personality and behaviour (F60-F69)	6	0,0
Disorders of psychological development (F80-F89)	6	0,0
Rickettsioses (A75-A79)	5	0,0
Disorders of skin appendages (L60-L75)	5	0,0
Behavioural & emotional disorders with onset usually occurring in childhood & adolescence (F90-F98)	4	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	4	0,0
Other disorders of ear (H90-H95)	4	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	3	0,0
Disorders of choroid and retina (H30-H36)	3	0,0
Disorders of ocular muscles, binocular movement, accommodation & refraction (H49-H52)	3	0,0
Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)	3	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	3	0,0
Abnormal findings on examination of urine without diagnosis (R80-R82)	3	0,0
Glaucoma (H40-H42)	2	0,0
Diseases of external ear (H60-H62)	2	0,0
Other diseases caused by chlamydiae (A70-A74)	1	0,0
Disorders of lens (H25-H28)	1	0,0
Disorders of vitreous body and globe (H43-45)	1	0,0
Disorders of optic nerve and visual pathways (H46-48)	1	0,0
Other disorders of eye and adnexa (H55-H59)	1	0,0
Diseases of inner ear (H80-H83)	1	0,0
Mental retardation (F70-F79)	-	-
Disorders of conjunctiva (H10-H13)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-

Appendix E: All underlying causes of death, 2004

2004	No.	%
All causes	567 488	100,0
Tuberculosis (A15-A19)	69 689	12,3
Ill-defined and unknown causes of mortality (R95-R99)	62 332	11,0
Influenza and pneumonia (J10-J18)	45 376	8,0
Events of undetermined intent (Y10-Y34)	36 165	6,4
Intestinal infectious diseases (A00-A09)	26 581	4,7
Cerebrovascular diseases (I60-I69)	25 006	4,4
Other forms of heart disease (I30-I52)	23 753	4,2
Diabetes mellitus (E10-E14)	16 908	3,0
Certain disorders involving immune mechanism (D80-D89)	16 052	2,8
Chronic lower respiratory diseases (J40-J47)	15 333	2,7
Human immunodeficiency virus [HIV] disease (B20-B24)	13 319	2,3
Resp. & cardio. disorders - perinatal period (P20-P29)	13 271	2,3
Ischaemic heart diseases (I20-I25)	12 715	2,2
Hypertensive diseases (I10-I15)	12 019	2,1
Malignant neoplasms of digestive organs (C15-C26)	9 573	1,7
Other viral diseases (B25-B34)	9 142	1,6
Digestive system disorders of foetus & newborn (P75-P78)	8 583	1,5
Inflammatory diseases - central nervous system (G00-G09)	7 648	1,3
Renal failure (N17-N19)	5 788	1,0
Transport accidents (V01-V99)	5 180	0,9
Other disorders originating in perinatal period (P90-P96)	5 169	0,9
Malig. neoplasms of respir. & intrathr. organs (C30-C39)	5 150	0,9
General symptoms and signs (R50-R69)	5 038	0,9
Diseases of liver (K70-K77)	5 018	0,9
Other acute lower respiratory infections (J20-J22)	4 869	0,9
Protozoal diseases (B50-B64)	4 618	0,8
Noninfective enteritis and colitis (K50-K52)	4 473	0,8
Other diseases of the respiratory system (J90-J94)	4 435	0,8
Other external causes of accidental injury (W00-X59)	4 353	0,8
Assault (X85-Y09)	4 223	0,7
Other bacterial diseases (A30-A49)	3 970	0,7
Other respiratory diseases principally affecting the interstitium (J80-J84)	3 937	0,7
Malignant neoplasms of female genital organs (C51-C58)	3 630	0,6
Episodic and paroxysmal disorders (G40-G47)	3 596	0,6
Metabolic disorders (E70-E88)	3 516	0,6
Aplastic and other anaemias (D60-D64)	2 920	0,5
Malignant neoplasms of ill-defined, secondary & unspecified sites (C76-C80)	2 904	0,5
Diseases of oesophagus, stomach & duodenum (K20-K31)	2 744	0,5
Pulmonary heart disease & diseases of pulmonary circulation (I26-I28)	2 593	0,5
Malignant neoplasms of breast (C50)	2 534	0,4
Mycoses (B35-B49)	2 532	0,4
Malnutrition (E40-E46)	2 515	0,4
Infections specific to the perinatal period (P35-P39)	2 211	0,4
Malignant neoplasms of lymphoid, haematopoietic & related tissue (C81-C96)	2 167	0,4
Malignant neoplasms of male genital organs (C60-C63)	2 033	0,4
Complications of medical and surgical care (Y40-Y84)	1 966	0,3
Disorders related to the length of gestation & foetal growth (P05-P08)	1 663	0,3
Diseases of arteries, arterioles and capillaries (I70-I79)	1 578	0,3
Other diseases of intestines (K55-K63)	1 425	0,3
Sequelae of infectious and parasitic diseases (B90-B94)	1 296	0,2
Malig. neoplasms of mesothelial & soft tissue (C45-C49)	1 139	0,2
Other disorders of glucose regulation and pancreatic internal secretion (E15-E16)	1 132	0,2
Malig. neoplasms of lip, oral cavity & pharynx (C00-C14)	1 102	0,2
Other disorders of the nervous system (G90-G98)	1 025	0,2
Arthropathies (M00-M25)	1 002	0,2
Other diseases of the digestive system (K90-K93)	959	0,2
Neoplasms of uncertain or unknown behaviour (D37-D48)	887	0,2
Disorders of gallbladder, biliary tract & pancreas (K80-K87)	886	0,2
Cerebral palsy and other paralytic syndromes (G80-G83)	847	0,1
Lung diseases due to external agents (J60-J70)	845	0,1
Organic, incl. symptomatic, mental disorders (F00-F09)	822	0,1
Symptoms and signs involving the circulatory and respiratory systems (R00-R09)	822	0,1
Malignant neoplasms of urinary tract (C64-C68)	802	0,1
Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	778	0,1
Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	727	0,1
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)	724	0,1
Other disorders of skin & subcutaneous tissue (L80-L99)	708	0,1

Appendix E: All underlying causes of death, 2004

2004	No.	%
Other degenerative diseases of nervous system (G30-G32)	689	0,1
Other diseases of pleura (J90-J94)	687	0,1
Soft tissue disorders (M60-M79)	586	0,1
Congenital malformations of circulatory system (Q20-Q28)	566	0,1
Infections of the skin and subcutaneous tissue (L00-L08)	552	0,1
Foetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery (P00-P04)	548	0,1
Chronic rheumatic heart diseases (I05-I09)	532	0,1
Malign. neoplasms - independent (prim.) multiple sites (C97)	529	0,1
Suppurative & necrotic conditions of lower respiratory tract (J85-J86)	465	0,1
Melanoma & other malignant neoplasms of skin (C43-C44)	444	0,1
Malignant neoplasms of eye, brain and other parts of the central nervous system (C69-C72)	435	0,1
Renal tubulo-interstitial diseases (N10-N16)	426	0,1
Diseases of peritoneum (K65-K67)	420	0,1
Viral infections characterised by skin and mucous membrane lesions (B00-B09)	413	0,1
Congenital malformations of the nervous system (Q00-Q07)	389	0,1
Intentional self-harm (X60-X84)	389	0,1
Symptoms & signs involving digestive system & abdomen (R10-R19)	369	0,1
Mental and behavioural disorders due to psychoactive substance use (F10-F19)	352	0,1
Coagulation defects, purpura and other haemorrhagic conditions (D65-D69)	312	0,1
Other diseases of the urinary system (N30-N39)	303	0,1
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and puerperium (O10-O16)	303	0,1
Glomerular diseases (N00-N08)	299	0,1
Extrapyramidal and movement disorders (G20-G26)	291	0,1
Other congenital malformations (Q80-Q89)	291	0,1
Diseases of male genital organs (N40-N51)	283	0,0
Schizophrenia, schizotypal & delusional. disorders (F20-F29)	280	0,0
Viral hepatitis (B15-B19)	268	0,0
Systemic connective tissue disorders (M30-M36)	257	0,0
Acute upper respiratory infections (J00-J06)	252	0,0
Obesity and other hyperalimentation (E65-E68)	248	0,0
Inflammatory diseases of female pelvic organs (N70-N77)	243	0,0
Viral infections of the central nervous system (A80-A89)	235	0,0
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	225	0,0
Other congenital malformations of the digestive system (Q38-Q45)	206	0,0
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)	201	0,0
Sequelae of external causes of morbidity and mortality (Y85-Y89)	201	0,0
Other infectious diseases (B99)	198	0,0
Other obstetric conditions, not elsewhere classified (O95-O99)	196	0,0
Complications predom. related to puerperium (O85-O92)	192	0,0
Pregnancy with abortive outcome (O00-O08)	190	0,0
Conditions involving the integument and temperature regulation of foetus and newborn (P80-P83)	180	0,0
Benign neoplasms (D10-D36)	175	0,0
Hernia (K40-K46)	174	0,0
Malign. neoplasms of bone and articular cartilage (C40-C41)	174	0,0
Dorsopathies (M40-M54)	173	0,0
Complications of labour and delivery (O60-O75)	171	0,0
Systemic atrophies primarily affecting the central nervous system (G10-G13)	161	0,0
Other disorders of kidney and urethra (N25-N29)	155	0,0
Disorders of thyroid gland (E00-E07)	154	0,0
Diseases of myoneural junction and muscle (G70-G73)	153	0,0
Other diseases of upper respiratory tract (J30-J39)	149	0,0
Diseases of appendix (K35-K38)	145	0,0
Noninflammatory disorders of female genital tract (N80-N98)	139	0,0
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	138	0,0
Osteopathies and chondropathies (M80-M94)	137	0,0
Other & unspec. disorders of circulatory system (I95-I99)	114	0,0
Infections with a predominately sexual mode of transmission (A50-A64)	113	0,0
Diseases of oral cavity, salivary glands and jaws (K00-K14)	106	0,0
Helminthiasis (B65-B83)	96	0,0
Diseases of middle ear and mastoid (H65-H75)	95	0,0
Nutritional anaemias (D50-D53)	91	0,0
Demyelinating diseases of central nerv. system (G35-G37)	84	0,0
Other nutritional deficiencies (E50-E64)	80	0,0
Disorders of other endocrine glands (E20-E35)	75	0,0
Urticaria and erythema (L50-L54)	75	0,0
Congenital malformations of the respiratory system (Q30-Q34)	74	0,0
Dermatitis and eczema (L20-L30)	73	0,0
Congenital malformations of and deformations of the musculoskeletal system (Q65-Q79)	73	0,0
Neurotic, stress-related & somatoform disorders (F40-F48)	66	0,0

Appendix E: All underlying causes of death, 2004

2004	No.	%
Other maternal disorders predominantly related to pregnancy (O20-O29)	57	0,0
Maternal care related to the foetus and amniotic cavity and possible delivery problems (O30-O48)	57	0,0
Congenital malformations of urinary system (Q60-Q64)	56	0,0
Unspecified mental disorder (F99)	55	0,0
Other diseases of blood & blood-forming organs (D70-D77)	52	0,0
Haemolytic anaemias (D55-D59)	50	0,0
Birth trauma (P10-P15)	50	0,0
Abnormal findings on examination of blood without diagnosis (R70-R79)	44	0,0
Mood [affective] disorders (F30-F39)	42	0,0
Behavioural syndromes associated with physiological disturbances and physical factors (F50-F59)	39	0,0
Symptoms and signs involving cognition, perception, emotional state and behaviour (R40-R46)	29	0,0
Disorders of the breast (N60-N64)	27	0,0
Urolithiasis (N20-N23)	24	0,0
Nerve, nerve root and plexus disorders (G50-G59)	23	0,0
Acute rheumatic fever (I00-I02)	23	0,0
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90-A99)	22	0,0
Symptoms & signs involving the skin & subcutaneous tissue (R20-R23)	22	0,0
Symptoms and signs involving the nervous and musculoskeletal systems (R25-R29)	21	0,0
Abnormal findings on diagnostic imaging in function studies without diagnosis (R90-R94)	17	0,0
In situ neoplasms (D00-D09)	16	0,0
Bullous disorders (L10-L14)	15	0,0
Symptoms & signs involving the urinary system (R30-R39)	14	0,0
Legal intervention and operations of war (Y35-Y36)	14	0,0
Abnormal findings on examination of other fluids, substances and tissues without diagnosis (R83-R89)	13	0,0
Pediculosis, acariasis and other infestations (B85-B89)	11	0,0
Visual disturbances and blindness (H53-H54)	11	0,0
Certain zoonotic bacteria diseases (A20-A28)	10	0,0
Other spirochactal diseases (A65-A69)	8	0,0
Disorders of psychological development (F80-F89)	8	0,0
Disorders of sclera, cornea, iris and ciliary body (H15-H22)	8	0,0
Disorders of eyelid, lacrimal system and orbit (H00-H06)	7	0,0
Papulosquamous disorders (L40-L45)	7	0,0
Congenital malformations of genital organs (Q50-Q56)	7	0,0
Symptoms and signs involving speech and voice (R47-R49)	7	0,0
Congenital malformations of eye, ear, face and neck (Q10-Q18)	6	0,0
Disorders of skin appendages (L60-L75)	5	0,0
Rickettsioses (A75-A79)	4	0,0
Disorders of adult personality and behaviour (F60-F69)	4	0,0
Other disorders of eye and adnexa (H55-H59)	4	0,0
Cleft lip and cleft palate (Q35-Q37)	4	0,0
Unspecified/Not yet resolved	4	0,0
Disorders of vitreous body and globe (H43-H45)	3	0,0
Other disorders of ear (H90-H95)	3	0,0
Disorders of choroid and retina (H30-H36)	2	0,0
Disorders of ocular muscles, binocular movement, accommodation and refraction (H49-H52)	2	0,0
Radiation-related disorders of the skin & subcutaneous tissue (L55-L59)	2	0,0
Other disorders of the musculoskeletal system and connective tissue (M95-M99)	2	0,0
Other diseases caused by chlamydiae (A70-A74)	1	0,0
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90-F98)	1	0,0
Disorders of conjunctiva (H10-H13)	1	0,0
Mental retardation (F70-F79)	-	-
Disorders of lens (H25-H28)	-	-
Glaucoma (H40-42)	-	-
Disorders of optic nerve and visual pathways (H46-H48)	-	-
Diseases of external ear (H60-H62)	-	-
Diseases of inner ear (H80-H83)	-	-
Other disorders of the genitourinary system (N99)	-	-
Delivery (O80-O84)	-	-
Abnormal findings on examination of urine without diagnosis (R80-R82)	-	-

Appendix F: Detailed description of the broad groups of natural causes of death which were among the 10 leading causes in 2003 and 2004

	Number. of deaths		Percentage	
	2003	2004	2003	2004
Intestinal infectious diseases (A00-A09)				
A00 Cholera	50	35	0,2	0,1
A01 Typhoid and paratyphoid fevers	51	54	0,2	0,2
A02 Other salmonella infections	42	45	0,2	0,2
A03 Shigellosis	23	14	0,1	0,1
A04 Other bacterial intestinal infections	21	17	0,1	0,1
A05 Other bacterial foodborne intoxications	4	0	0,0	0,0
A06 Amoebiasis	348	99	1,4	0,4
A07 Other protozoal intestinal diseases	20	19	0,1	0,1
A08 Viral and other specified intestinal infections	89	96	0,4	0,4
A09 Diarrhoea and gastroenteritis of presumed infectious origin	23 746	26 202	97,3	98,6
Total	24 394	26 581	100,0	100,0
Tuberculosis (A15-A19)				
A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically	60 729	61 428	89,8	88,1
A17 Tuberculosis of nervous system	2 657	3 086	3,9	4,4
A18 Tuberculosis of other organs	1 193	1 754	1,8	2,5
A19 Miliary tuberculosis	3 030	3 421	4,5	4,9
Total	67 609	69 689	100,0	100,0
Human immunodeficiency virus [HIV] diseases (B20-B24)				
B20 Human immunodeficiency virus [HIV] disease resulting in infectious and parasitic diseases	7 460	6 660	64,0	50,0
B21 Human immunodeficiency virus [HIV] disease resulting in malignant neoplasms	114	130	1,0	1,0
B22 Human immunodeficiency virus [HIV] disease resulting in other specified diseases	742	3 093	6,4	23,2
B23 Human immunodeficiency virus [HIV] disease resulting in other conditions	922	654	7,9	4,9
B24 Unspecified human immunodeficiency virus [HIV] disease	2 412	2 782	20,7	20,9
Total	11 650	13 319	100,0	100,0
Certain disorders involving the immune mechanism (D80-D89)				
D80 Immunodeficiency with predominantly antibody defects	1	1	0,0	0,0
D81 Combined immunodeficiencies	13	4	0,1	0,0
D82 Immunodeficiency associated with other major defects	11	2	0,1	0,0
D83 Common variable immunodeficiency	108	92	0,7	0,6
D84 Other immunodeficiencies	14 884	15 862	98,5	98,8
D86 Sarcoidosis	49	37	0,3	0,2
D89 Other disorders involving the immune mechanism, not elsewhere classified	43	54	0,3	0,3
Total	15 109	16 052	100,0	100,0
Diabetes mellitus (E10-E14)				
E10 Insulin-dependent diabetes mellitus	508	345	3,0	2,0
E11 Non-insulin-dependent diabetes mellitus	789	968	4,7	5,7
E12 Malnutrition-related diabetes mellitus	42	4	0,3	0,0
E13 Other specified diabetes mellitus	1	2	0,0	0,0
E14 Unspecified diabetes mellitus	15 421	15 589	92,0	92,2
Total	16 761	16 908	100,0	100,0
Chronic lower respiratory diseases (J40-J47)				
J40 Bronchitis, not specified as acute or chronic	1 001	830	6,2	5,4
J41 Simple and mucopurulent chronic bronchitis	40	13	0,2	0,1
J42 Unspecified chronic bronchitis	733	641	4,5	4,2
J43 Emphysema	1 161	1 065	7,2	6,9
J44 Other chronic obstructive pulmonary disease	6 402	5 941	39,7	38,7
J45 Asthma	5 502	5 267	34,1	34,4
J46 Status asthmaticus	1 021	1 344	6,3	8,8
J47 Bronchiectasis	270	232	1,7	1,5
Total	16 130	15 333	100,0	100,0
Resp. & cardiovascular disorders- perinatal period (P20-P29)				
P20 Intrauterine hypoxia	175	104	1,4	0,8
P21 Birth asphyxia	1 031	1 067	8,1	8,0
P22 Respiratory distress of newborn	1 514	1 553	11,9	11,7
P23 Congenital pneumonia	7 538	7 738	59,1	58,3
P24 Neonatal aspiration syndromes	616	656	4,8	4,9
P25 Interstitial emphysema and related conditions originating in the perinatal period	191	190	1,5	1,4
P26 Pulmonary haemorrhage originating in the perinatal period	138	165	1,1	1,2
P27 Chronic respiratory disease originating in the perinatal period	38	27	0,3	0,2
P28 Other respiratory conditions originating in the perinatal period	1 094	1 392	8,6	10,5
P29 Cardiovascular disorders originating in the perinatal period	421	379	3,3	2,9
Total	12 756	13 271	100,0	100,0

Appendix F: Detailed description of the broad groups of natural causes of death which were among the 10 leading causes in 2003 and 2004

Causes of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number of deaths		Percentage	
	2003	2004	2003	2004
Ischaemic heart diseases (I20-I25)				
I20 Angina pectoris	211	166	1,6	1,3
I21 Acute myocardial infarction	9 820	9 314	73,7	73,3
I22 Subsequent myocardial infarction	54	33	0,4	0,3
I23 Certain current complications following acute myocardial infarction	0	0	0,0	0,0
I24 Other acute ischaemic heart diseases	103	108	0,8	0,8
I25 Chronic ischaemic heart disease	3 136	3 094	23,5	24,3
Total	13 324	12 715	100,0	100,0
Other forms of heart disease (I30-I52)				
I30 Acute pericarditis	10	15	0,0	0,1
I31 Other diseases of pericardium	212	235	0,9	1,0
I33 Acute and subacute endocarditis	68	66	0,3	0,3
I34 Nonrheumatic mitral valve disorders	109	134	0,5	0,6
I35 Nonrheumatic aortic valve disorders	159	145	0,7	0,6
I36 Nonrheumatic tricuspid valve disorders	3	1	0,0	0,0
I37 Pulmonary valve disorders	21	8	0,1	0,0
I38 Endocarditis, valve unspecified	236	243	1,0	1,0
I40 Acute myocarditis	60	59	0,3	0,2
I42 Cardiomyopathy	3 475	3 159	14,5	13,3
I44 Atrioventricular and left bundle-branch block	28	23	0,1	0,1
I45 Other conduction disorders	90	72	0,4	0,3
I46 Cardiac arrest	3 257	3 040	13,6	12,8
I47 Paroxysmal tachycardia	25	31	0,1	0,1
I48 Atrial fibrillation and flutter	296	315	1,2	1,3
I49 Other cardiac arrhythmias	181	201	0,8	0,8
I50 Heart failure	15 165	15 269	63,2	64,3
I51 Complications and ill-defined descriptions of heart disease	601	737	2,5	3,1
Total	23 996	23 753	100,0	100,0
Cerebrovascular diseases (I60-I69)				
I60 Subarachnoid haemorrhage	493	422	1,8	1,7
I61 Intracerebral haemorrhage	2 273	1 861	8,3	7,4
I62 Other nontraumatic intracranial haemorrhage	794	664	2,9	2,7
I63 Cerebral infarction	582	461	2,1	1,8
I64 Stroke, not specified as haemorrhage or infarction	22 472	20 450	81,9	81,8
I65 Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction	0	0	0,0	0,0
I66 Occlusion and stenosis of unspecified precerebral arteries	0	0	0,0	0,0
I67 Other cerebrovascular diseases	599	560	2,2	2,2
I69 Sequelae of cerebrovascular disease	232	588	0,8	2,4
Total	27 445	25 006	100,0	100,0
Influenza and pneumonia (J10-J18)				
J10 Influenza due to identified influenza virus	45	34	0,1	0,1
J11 Influenza, virus not identified	479	487	1,1	1,1
J12 Viral pneumonia, not elsewhere classified	120	29	0,3	0,1
J13 Pneumonia due to <i>Streptococcus pneumoniae</i>	21	18	0,0	0,0
J14 Pneumonia due to <i>Haemophilus influenzae</i>	1	6	0,0	0,0
J15 Bacterial pneumonia, not elsewhere classified	514	584	1,1	1,3
J16 Pneumonia due to other infectious organisms, not elsewhere classified	16	9	0,0	0,0
J18 Pneumonia, organism unspecified	44 155	44 209	97,4	97,4
Total	45 351	45 376	100,0	100,0

Appendix G: Number and percentage of neonatal deaths due to the 10 leading underlying natural causes of death: 2003 and 2004

<i>Causes of death (Based on the Tenth Revision, International Classification of Diseases, 1992)</i>	2003			2004		
	Rank	No.	%	Rank	No.	%
Younger than 28 days						
Resp. & cardiovascular disorders-perinatal period (P20-P29)	1	4 390	40,6	1	4 450	41,4
Disorders related to gestation and foetal growth (P05-P08)	2	1 429	13,2	2	1 434	13,3
Infections specific to the perinatal period (P35-P39)	3	932	8,6	4	903	8,4
Other disorders originating in the perinatal period (P90-P96)	4	849	7,9	3	954	8,9
Foetus and newborn affected by maternal factors (P00-P04)	5	733	6,8	6	493	4,6
Digestive system disorders of foetus and newborn (P75-P78)	6	485	4,5	5	610	5,7
Haemorrhagic & haematological disorders of foetus & newborn (P50-P61)	7	363	3,4	7	428	4,0
Other congenital malformations (Q80-Q89)	8	186	1,7	8	185	1,7
Congenital malformations of the circulatory system (Q20-Q28)	9	169	1,6	9	139	1,3
Congenital malformations of the nervous system (Q00-Q07)	10	135	1,2	10	127	1,2
Other causes	...	1 132	10,5	...	1 023	9,5
Total	...	10 803	100,0	...	10 746	100,0
28 days - 11 months						
Resp. & cardiovascular disorders-perinatal period (P20-P29)	1	8 234	30,0	1	8 751	29,3
Digestive system disorders of foetus and newborn (P75-P78)	2	7 038	25,6	2	7 941	26,6
Other disorders originating in the perinatal period (P90-P96)	3	3 282	12,0	3	4 172	14,0
Infections specific to the perinatal period (P35-P39)	4	1 194	4,4	4	1 292	4,3
Certain disorder involving the immune mechanism (D80-D89)	5	1 022	3,7	5	965	3,2
Other viral diseases (B25-B34)	6	622	2,3	8	634	2,1
Protozoal diseases (B50-B64)	7	597	2,2	6	749	2,5
Disorders related to gestation and foetal growth (P05-P08)	8	567	2,1	...	...	...
Transitory endocrine & metabolic disorders-foetus & newborn (P70-P74)	9	565	2,1	9	603	2,0
Malnutrition (E40-E46)	10	471	1,7	7	737	2,5
Inflammatory diseases of the central nervous system (G00-G09)	...	...	...	10	361	1,2
Other causes	...	3 847	14,0	...	3 653	12,2
Total	...	27 439	100,0	...	29 858	100,0

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 1997

South Africa, both sexes, all ages		South Africa, male, all ages		South Africa, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	21 557	7.0	1 Tuberculosis (A15-A19)	13 675	7.9	1 Other forms of heart disease (I30-I52)	10 351	7.6
2 Other forms of heart disease (I30-I52)	19 823	6.4	2 Other forms of heart disease (I30-I52)	9 472	5.5	2 Cerebrovascular diseases (I60-I69)	9 352	6.8
3 Cerebrovascular diseases (I60-I69)	16 817	5.4	3 Cerebrovascular diseases (I60-I69)	7 465	4.3	3 Tuberculosis (A15-A19)	7 882	5.8
4 Influenza and pneumonia (J10-J18)	11 250	3.6	4 Chronic lower respiratory diseases (J40-J47)	6 518	3.8	4 Diabetes mellitus (E10-E14)	6 428	4.7
5 Diabetes mellitus (E10-E14)	10 750	3.5	5 Influenza and pneumonia (J10-J18)	5 915	3.4	5 Influenza and pneumonia (J10-J18)	5 335	3.9
6 Chronic lower respiratory diseases (J40-J47)	10 664	3.4	6 Ischaemic heart diseases (I20-I25)	5 846	3.4	6 Hypertensive diseases (I10-I15)	4 693	3.4
7 Ischaemic heart diseases (I20-I25)	9 743	3.1	7 Malignant neoplasms of digestive organs (C15-C26)	5 453	3.1	7 Chronic lower respiratory diseases (J40-J47)	4 146	3.0
8 Malignant neoplasms of digestive organs (C15-C26)	8 822	2.8	8 Diabetes mellitus (E10-E14)	4 322	2.5	8 Ischaemic heart diseases (I20-I25)	3 897	2.9
9 Hypertensive diseases (I10-I15)	7 626	2.5	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	3 475	2.0	9 Malignant neoplasms of digestive organs (C15-C26)	3 369	2.5
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 689	2.2	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	3 275	1.9	10 Intestinal infectious diseases (A00-A09)	3 359	2.5
... Other causes	186 203	60.1	... Other causes	107 820	62.2	... Other causes	77 896	57.0
... All causes	309 944	100.0	... All causes	173 236	100.0	... All causes	136 708	100.0
South Africa, both sexes, 0-14 years		South Africa, male, 0-14 years		South Africa, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 689	17.6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	3 475	17.1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	3 214	18.2
2 Digestive system disorders of foetus and newborn (P75-P78)	4 759	12.6	2 Digestive system disorders of foetus and newborn (P75-P78)	2 525	12.5	2 Digestive system disorders of foetus and newborn (P75-P78)	2 244	12.7
3 Other disorders originating in the perinatal period (P90-P96)	3 344	8.8	3 Other disorders originating in the perinatal period (P90-P96)	1 800	8.9	3 Other disorders originating in the perinatal period (P90-P96)	1 544	8.8
4 Intestinal infectious diseases (A00-A09)	1 864	4.9	4 Intestinal infectious diseases (A00-A09)	981	4.8	4 Intestinal infectious diseases (A00-A09)	883	5.0
5 Disorders related to length of gestation and foetal growth (P05-P08)	1 522	4.0	5 Disorders related to length of gestation and foetal growth (P05-P08)	805	4.0	5 Disorders related to length of gestation and foetal growth (P05-P08)	717	4.1
6 Infections specific to the perinatal period (P35-P39)	1 298	3.4	6 Infections specific to the perinatal period (P35-P39)	699	3.4	6 Infections specific to the perinatal period (P35-P39)	599	3.4
7 Malnutrition (E40-E46)	1 199	3.2	7 Malnutrition (E40-E46)	612	3.0	7 Malnutrition (E40-E46)	587	3.3
8 Influenza and pneumonia (J10-J18)	892	2.4	8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	461	2.3	8 Influenza and pneumonia (J10-J18)	448	2.5
9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	855	2.3	9 Influenza and pneumonia (J10-J18)	444	2.2	9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	394	2.2
10 Human immunodeficiency virus [HIV] disease (B20-B24)	602	1.6	10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	345	1.7	10 Human immunodeficiency virus [HIV] disease (B20-B24)	290	1.6
... Other causes	14 868	39.2	... Other causes	8 127	40.1	... Other causes	6 708	38.1
... All causes	37 902	100.0	... All causes	20 274	100.0	... All causes	17 628	100.0
South Africa, both sexes, 15-49 years		South Africa, male, 15-49 years		South Africa, female, 15-49 years				
1 Tuberculosis (A15-A19)	13 404	11.9	1 Tuberculosis (A15-A19)	7 972	11.3	1 Tuberculosis (A15-A19)	5 432	13.0
2 Human immunodeficiency virus [HIV] disease (B20-B24)	5 022	4.5	2 Human immunodeficiency virus [HIV] disease (B20-B24)	2 461	3.5	2 Human immunodeficiency virus [HIV] disease (B20-B24)	2 561	6.1
3 Influenza and pneumonia (J10-J18)	4 645	4.1	3 Influenza and pneumonia (J10-J18)	2 425	3.4	3 Influenza and pneumonia (J10-J18)	2 220	5.3
4 Other forms of heart disease (I30-I52)	4 214	3.8	4 Other forms of heart disease (I30-I52)	2 210	3.1	4 Other forms of heart disease (I30-I52)	2 004	4.8
5 Cerebrovascular diseases (I60-I69)	2 703	2.4	5 Cerebrovascular diseases (I60-I69)	1 425	2.0	5 Certain disorders involving the immune mechanism (D80-D89)	1 455	3.5
6 Certain disorders involving the immune mechanism (D80-D89)	2 444	2.2	6 Malignant neoplasms of digestive organs (C15-C26)	1 139	1.6	6 Cerebrovascular diseases (I60-I69)	1 278	3.1
7 Intestinal infectious diseases (A00-A09)	2 077	1.8	7 Diseases of liver (K70-K77)	1 088	1.5	7 Intestinal infectious diseases (A00-A09)	1 133	2.7
8 Chronic lower respiratory diseases (J40-J47)	1 841	1.6	8 Chronic lower respiratory diseases (J40-J47)	1 047	1.5	8 Malignant neoplasms of female genital organs (C51-C58)	873	2.1
9 Malignant neoplasms of digestive organs (C15-C26)	1 733	1.5	9 Certain disorders involving the immune mechanism (D80-D89)	989	1.4	9 Chronic lower respiratory diseases (J40-J47)	794	1.9
10 Diseases of liver (K70-K77)	1 697	1.5	10 Intestinal infectious diseases (A00-A09)	944	1.3	10 Diabetes mellitus (E10-E14)	765	1.8
... Other causes	72 573	64.6	... Other causes	48 798	69.2	... Other causes	23 340	55.8
... All causes	112 353	100.0	... All causes	70 498	100.0	... All causes	41 855	100.0
South Africa, both sexes, 50-64 years		South Africa, male, 50-64 years		South Africa, female, 50-64 years				
1 Other forms of heart disease (I30-I52)	4 585	7.8	1 Tuberculosis (A15-A19)	3 362	9.6	1 Cerebrovascular diseases (I60-I69)	2 153	9.2
2 Tuberculosis (A15-A19)	4 506	7.7	2 Other forms of heart disease (I30-I52)	2 544	7.3	2 Diabetes mellitus (E10-E14)	2 083	8.9
3 Cerebrovascular diseases (I60-I69)	4 389	7.5	3 Cerebrovascular diseases (I60-I69)	2 236	6.4	3 Other forms of heart disease (I30-I52)	2 041	8.7
4 Diabetes mellitus (E10-E14)	3 529	6.0	4 Chronic lower respiratory diseases (J40-J47)	1 960	5.6	4 Tuberculosis (A15-A19)	1 444	4.9
5 Chronic lower respiratory diseases (J40-J47)	3 005	5.1	5 Malignant neoplasms of digestive organs (C15-C26)	1 954	5.6	5 Hypertensive diseases (I10-I15)	1 118	4.8
6 Malignant neoplasms of digestive organs (C15-C26)	2 977	5.1	6 Ischaemic heart diseases (I20-I25)	1 885	5.4	6 Chronic lower respiratory diseases (J40-J47)	1 045	4.5
7 Ischaemic heart diseases (I20-I25)	2 737	4.7	7 Diabetes mellitus (E10-E14)	1 446	4.1	7 Malignant neoplasms of digestive organs (C15-C26)	1 023	4.4
8 Hypertensive diseases (I10-I15)	2 031	3.5	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 375	3.9	8 Malignant neoplasms of female genital organs (C51-C58)	953	4.1
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 787	3.1	9 Influenza and pneumonia (J10-J18)	1 161	3.3	9 Ischaemic heart diseases (I20-I25)	852	3.6
10 Influenza and pneumonia (J10-J18)	1 777	3.0	10 Diseases of liver (K70-K77)	944	2.7	10 Influenza and pneumonia (J10-J18)	616	2.6
... Other causes	27 121	46.4	... Other causes	16 161	46.1	... Other causes	10 388	44.4
... All causes	58 444	100.0	... All causes	35 028	100.0	... All causes	23 416	100.0
South Africa, both sexes, 65 years and above		South Africa, male, 65 years and above		South Africa, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	10 637	10.5	1 Other forms of heart disease (I30 - I52)	4 534	9.6	1 Other forms of heart disease (I30-I52)	6 103	11.3
2 Cerebrovascular diseases (I60-I69)	9 634	9.5	2 Cerebrovascular diseases (I60 - I69)	3 755	7.9	2 Cerebrovascular diseases (I60-I69)	5 879	10.9
3 Ischaemic heart diseases (I20-I25)	5 739	5.7	3 Chronic lower respiratory diseases (J40 - J47)	3 444	7.3	3 Diabetes mellitus (E10-E14)	3 554	6.6
4 Chronic lower respiratory diseases (J40-J47)	5 702	5.6	4 Ischaemic heart diseases (I20 - I25)	3 033	6.4	4 Hypertensive diseases (I10-I15)	3 001	5.6
5 Diabetes mellitus (E10-E14)	5 612	5.5	5 Malignant neoplasms of digestive organs (C15 - C26)	2 344	4.9	5 Ischaemic heart diseases (I20-I25)	2 706	5.0
6 Hypertensive diseases (I10-I15)	4 475	4.4	6 Tuberculosis (A15-A19)	2 108	4.4	6 Chronic lower respiratory diseases (J40-J47)	2 258	4.2
7 Malignant neoplasms of digestive organs (C15-C26)	4 086	4.0	7 Diabetes mellitus (E10 - E14)	2 058	4.3	7 Influenza and pneumonia (J10-J18)	2 051	3.8
8 Influenza and pneumonia (J10-J18)	3 936	3.9	8 Influenza and pneumonia (J10 - J18)	1 885	4.0	8 Malignant neoplasms of digestive organs (C15-C26)	1 742	3.2
9 Tuberculosis (A15-A19)	3 189	3.1	9 Hypertensive diseases (I10 - I15)	1 474	3.1	9 Tuberculosis (A15-A19)	1 081	2.0
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	2 035	2.0	10 Malignant neoplasms of respiratory and intrathoracic organs (C30 - C39)	1 380	2.9	10 Intestinal infectious diseases (A00-A09)	949	1.8
... Other causes	46 200	45.6	... Other causes	21 421	45.2	... Other causes	24 485	45.5
... All causes	101 245	100.0	... All causes	47 436	100.0	... All causes	53 809	100.0

Excluding a total of 6561 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 1997

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages	
No.	%	No.	%	No.	%
1 Ischaemic heart diseases (I20-I25)	2 285	1 344	7.1	1 186	8.5
2 Cerebrovascular diseases (I60-I69)	2 138	1 121	5.9	1 179	8.5
3 Diabetes mellitus (E10-E14)	1 856	952	5.1	971	7.0
4 Other forms of heart disease (I30-I52)	1 844	894	4.7	941	6.7
5 Tuberculosis (A15-A19)	1 704	873	4.6	583	4.2
6 Chronic lower respiratory diseases (J40-J47)	1 411	808	4.3	554	4.0
7 Malignant neoplasms of digestive organs (C15-C26)	1 362	731	3.9	517	3.7
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 064	677	3.6	461	3.3
9 Hypertensive diseases (I10-I15)	712	312	1.7	333	2.4
10 Influenza and pneumonia (J10-J18)	645	290	1.5	333	2.4
... Other causes	17 776	10 849	57.6	6 888	49.4
... All causes	32 797	18 851	100.0	13 946	100.0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	402	215	13.7	187	14.7
2 Digestive system disorders of foetus and newborn (P75-P78)	304	162	10.3	142	11.2
3 Other disorders originating in the perinatal period (P90-P96)	285	150	9.6	135	10.6
4 Disorders related to length of gestation and foetal growth (P05-P08)	129	62	4.0	67	5.3
5 Infections specific to the perinatal period (P35-P39)	88	44	2.8	44	3.5
6 Congenital malformations of the circulatory system (Q20-Q28)	67	39	2.5	28	2.2
7 Intestinal infectious diseases (A00-A09)	57	28	1.8	25	2.0
8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	52	38	2.4	24	1.9
9 Human immunodeficiency virus [HIV] disease (B20-B24)	52	28	1.8	24	1.9
10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	50	10	0.6	22	1.7
... Other causes	1 350	774	49.4	571	45.0
... All causes	2 836	1 567	100.0	1 269	100.0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	985	611	8.7	374	11.1
2 Human immunodeficiency virus [HIV] disease (B20-B24)	339	199	2.8	191	5.7
3 Ischaemic heart diseases (I20-I25)	266	153	2.2	137	4.1
4 Other forms of heart disease (I30-I52)	253	148	2.1	101	3.0
5 Cerebrovascular diseases (I60-I69)	245	144	2.1	100	3.0
6 Malignant neoplasms of digestive organs (C15-C26)	228	108	1.5	92	2.7
7 Chronic lower respiratory diseases (J40-J47)	179	108	1.5	84	2.5
8 Diabetes mellitus (E10-E14)	165	104	1.5	80	2.4
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	148	94	1.3	71	2.1
10 Influenza and pneumonia (J10-J18)	143	94	1.3	67	2.0
... Other causes	7 427	5 243	74.8	2 075	61.5
... All causes	10 378	7 006	100.0	3 372	100.0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years	
1 Ischaemic heart diseases (I20-I25)	597	400	9.4	333	12.1
2 Diabetes mellitus (E10-E14)	567	322	7.6	241	8.8
3 Cerebrovascular diseases (I60-I69)	525	317	7.4	197	7.2
4 Chronic lower respiratory diseases (J40-J47)	448	284	6.7	188	6.8
5 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	445	279	6.6	169	6.2
6 Tuberculosis (A15-A19)	436	278	6.5	156	5.7
7 Malignant neoplasms of digestive organs (C15-C26)	434	234	5.5	123	4.5
8 Other forms of heart disease (I30-I52)	405	217	5.1	119	4.3
9 Hypertensive diseases (I10-I15)	184	121	2.8	109	4.0
10 Diseases of liver (K70-K77)	150	90	2.1	108	3.9
... Other causes	2 811	1 714	40.3	1 003	36.5
... All causes	7 002	4 256	100.0	2 746	100.0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above	
1 Ischaemic heart diseases (I20-I25)	1 416	740	12.3	806	12.3
2 Cerebrovascular diseases (I60-I69)	1 361	555	9.2	752	11.5
3 Other forms of heart disease (I30-I52)	1 144	503	8.4	676	10.3
4 Diabetes mellitus (E10-E14)	1 121	485	8.1	659	10.0
5 Chronic lower respiratory diseases (J40-J47)	779	384	6.4	324	4.9
6 Malignant neoplasms of digestive organs (C15-C26)	697	369	6.1	313	4.8
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	470	305	5.1	276	4.2
8 Hypertensive diseases (I10-I15)	456	228	3.8	208	3.2
9 Influenza and pneumonia (J10-J18)	368	178	3.0	165	2.5
10 Tuberculosis (A15-A19)	254	160	2.7	138	2.1
... Other causes	4 515	2 115	35.1	2 242	34.2
... All causes	12 581	6 022	100.0	6 559	100.0

Excluding a total of 434 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 1997

Eastern Cape, both sexes, all ages			Eastern Cape, male, all ages			Eastern Cape, female, all ages		
No.	%		No.	%		No.	%	
1 Tuberculosis (A15-A19)	4 120	9,2	1 Tuberculosis (A15-A19)	2 475	10,2	1 Tuberculosis (A15-A19)	1 645	8,1
2 Other forms of heart disease (I30-I52)	2 461	5,5	2 Chronic lower respiratory diseases (J40-J47)	1 317	5,4	2 Cerebrovascular diseases (I60-I69)	1 377	6,8
3 Cerebrovascular diseases (I60-I69)	2 413	5,4	3 Other forms of heart disease (I30-I52)	1 104	4,5	3 Other forms of heart disease (I30-I52)	1 357	6,7
4 Chronic lower respiratory diseases (J40-J47)	2 328	5,2	4 Cerebrovascular diseases (I60-I69)	1 036	4,3	4 Chronic lower respiratory diseases (J40-J47)	1 011	5,0
5 Malignant neoplasms of digestive organs (C15-C26)	1 666	3,7	5 Malignant neoplasms of digestive organs (C15-C26)	965	4,0	5 Diabetes mellitus (E10-E14)	843	4,2
6 Diabetes mellitus (E10-E14)	1 414	3,2	6 Influenza and pneumonia (J10-J18)	590	2,4	6 Malignant neoplasms of digestive organs (C15-C26)	701	3,5
7 Influenza and pneumonia (J10-J18)	1 164	2,6	7 Diabetes mellitus (E10-E14)	571	2,3	7 Hypertensive diseases (I10-I15)	700	3,5
8 Hypertensive diseases (I10-I15)	1 106	2,5	8 Ischaemic heart diseases (I20-I25)	530	2,2	8 Influenza and pneumonia (J10-J18)	574	2,8
9 Ischaemic heart diseases (I20-I25)	969	2,2	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	470	1,9	9 Intestinal infectious diseases (A00-A09)	446	2,2
10 Intestinal infectious diseases (A00-A09)	844	1,9	10 Hypertensive diseases (I10-I15)	406	1,7	10 Ischaemic heart diseases (I20-I25)	439	2,2
... Other causes	26 067	58,5	... Other causes	14 856	61,1	... Other causes	11 139	55,1
... All causes	44 552	100,0	... All causes	24 320	100,0	... All causes	20 232	100,0
Eastern Cape, both sexes, 0-14 years			Eastern Cape, male, 0-14 years			Eastern Cape, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	641	15,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	329	14,4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	312	16,0
2 Digestive system disorders of foetus and newborn (P75-P78)	512	12,1	2 Digestive system disorders of foetus and newborn (P75-P78)	261	11,4	2 Digestive system disorders of foetus and newborn (P75-P78)	251	12,8
3 Other disorders originating in the perinatal period (P90-P96)	404	9,5	3 Other disorders originating in the perinatal period (P90-P96)	234	10,2	3 Other disorders originating in the perinatal period (P90-P96)	170	8,7
4 Intestinal infectious diseases (A00-A09)	164	3,9	4 Intestinal infectious diseases (A00-A09)	84	3,7	4 Intestinal infectious diseases (A00-A09)	80	4,1
5 Infections specific to the perinatal period (P35-P39)	126	3,0	5 Disorders related to length of gestation and foetal growth (P05-P08)	69	3,0	5 Infections specific to the perinatal period (P35-P39)	65	3,3
6 Disorders related to length of gestation and foetal growth (P05-P08)	125	2,9	6 Infections specific to the perinatal period (P35-P39)	61	2,7	6 Disorders related to length of gestation and foetal growth (P05-P08)	56	2,9
7 Malnutrition (E40-E46)	101	2,4	7 Malnutrition (E40-E46)	59	2,6	7 Human immunodeficiency virus [HIV] disease (B20-B24)	45	2,3
8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	98	2,3	8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	56	2,4	8 Malnutrition (E40-E46)	42	2,1
9 Human immunodeficiency virus [HIV] disease (B20-B24)	86	2,0	9 Human immunodeficiency virus [HIV] disease (B20-B24)	41	1,8	9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	42	2,1
10 Tuberculosis (A15-A19)	72	1,7	10 Tuberculosis (A15-A19)	38	1,7	10 Influenza and pneumonia (J10-J18)	38	1,9
... Other causes	1 918	45,2	... Other causes	1 059	46,2	... Other causes	855	43,7
... All causes	4 247	100,0	... All causes	2 291	100,0	... All causes	1 956	100,0
Eastern Cape, both sexes, 15-49 years			Eastern Cape, male, 15-49 years			Eastern Cape, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 990	13,7	1 Tuberculosis (A15-A19)	1 168	13,0	1 Tuberculosis (A15-A19)	822	14,8
2 Human immunodeficiency virus [HIV] disease (B20-B24)	562	3,9	2 Human immunodeficiency virus [HIV] disease (B20-B24)	215	2,7	2 Human immunodeficiency virus [HIV] disease (B20-B24)	347	6,2
3 Other forms of heart disease (I30-I52)	408	2,8	3 Chronic lower respiratory diseases (J40-J47)	191	2,4	3 Other forms of heart disease (I30-I52)	218	3,9
4 Influenza and pneumonia (J10-J18)	372	2,6	4 Other forms of heart disease (I30-I52)	190	2,1	4 Influenza and pneumonia (J10-J18)	184	3,3
5 Cerebrovascular diseases (I60-I69)	343	2,4	5 Influenza and pneumonia (J10-J18)	188	2,1	5 Cerebrovascular diseases (I60-I69)	161	2,9
6 Chronic lower respiratory diseases (J40-J47)	336	2,3	6 Cerebrovascular diseases (I60-I69)	182	2,1	6 Chronic lower respiratory diseases (J40-J47)	145	2,6
7 Malignant neoplasms of digestive organs (C15-C26)	284	2,0	7 Malignant neoplasms of digestive organs (C15-C26)	170	2,0	7 Intestinal infectious diseases (A00-A09)	125	2,2
8 Intestinal infectious diseases (A00-A09)	247	1,7	8 Episodic and paroxysmal disorders (G40-G47)	144	1,9	8 Certain disorders involving the immune mechanism (D80-D89)	115	2,1
9 Episodic and paroxysmal disorders (G40-G47)	228	1,6	9 Diseases of liver (K70-K77)	132	1,6	9 Malignant neoplasms of digestive organs (C15-C26)	114	2,0
10 Diseases of liver (K70-K77)	214	1,5	10 Intestinal infectious diseases (A00-A09)	122	1,5	10 Malignant neoplasms of female genital organs (C51-C58)	112	2,0
... Other causes	9 561	65,7	... Other causes	6 279	68,6	... Other causes	3 221	57,9
... All causes	14 545	100,0	... All causes	8 981	100,0	... All causes	5 564	100,0
Eastern Cape, both sexes, 50-64 years			Eastern Cape, male, 50-64 years			Eastern Cape, female, 50-64 years		
1 Tuberculosis (A15-A19)	977	11,1	1 Tuberculosis (A15-A19)	657	12,7	1 Tuberculosis (A15-A19)	320	8,8
2 Chronic lower respiratory diseases (J40-J47)	635	7,2	2 Chronic lower respiratory diseases (J40-J47)	399	7,7	2 Cerebrovascular diseases (I60-I69)	307	8,4
3 Other forms of heart disease (I30-I52)	600	6,8	3 Malignant neoplasms of digestive organs (C15-C26)	350	6,8	3 Other forms of heart disease (I30-I52)	277	7,6
4 Cerebrovascular diseases (I60-I69)	598	6,8	4 Other forms of heart disease (I30-I52)	323	6,2	4 Diabetes mellitus (E10-E14)	269	7,4
5 Malignant neoplasms of digestive organs (C15-C26)	557	6,3	5 Cerebrovascular diseases (I60-I69)	291	5,6	5 Chronic lower respiratory diseases (J40-J47)	236	6,5
6 Diabetes mellitus (E10-E14)	445	5,0	6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	179	3,5	6 Malignant neoplasms of digestive organs (C15-C26)	207	5,7
7 Hypertensive diseases (I10-I15)	259	2,9	7 Diabetes mellitus (E10-E14)	176	3,4	7 Hypertensive diseases (I10-I15)	153	4,2
8 Ischaemic heart diseases (I20-I25)	251	2,8	8 Ischaemic heart diseases (I20-I25)	157	3,0	8 Malignant neoplasms of female genital organs (C51-C58)	100	2,7
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	240	2,7	9 Influenza and pneumonia (J10-J18)	124	2,4	9 Ischaemic heart diseases (I20-I25)	94	2,6
10 Influenza and pneumonia (J10-J18)	194	2,2	10 Diseases of liver (K70-K77)	111	2,1	10 Influenza and pneumonia (J10-J18)	70	1,9
... Other causes	4 069	46,1	... Other causes	2 409	46,5	... Other causes	1 616	44,3
... All causes	8 825	100,0	... All causes	5 176	100,0	... All causes	3 649	100,0
Eastern Cape, both sexes, 65 years and above			Eastern Cape, male, 65 years and above			Eastern Cape, female, 65 years and above		
1 Cerebrovascular diseases (I60-I69)	1 458	8,6	1 Chronic lower respiratory diseases (J40-J47)	715	9,1	1 Cerebrovascular diseases (I60-I69)	903	10,0
2 Other forms of heart disease (I30-I52)	1 410	8,3	2 Tuberculosis (A15-A19)	612	7,8	2 Other forms of heart disease (I30-I52)	843	9,3
3 Chronic lower respiratory diseases (J40-J47)	1 332	7,9	3 Other forms of heart disease (I30-I52)	567	7,2	3 Chronic lower respiratory diseases (J40-J47)	617	6,8
4 Tuberculosis (A15-A19)	1 081	6,4	4 Cerebrovascular diseases (I60-I69)	555	7,1	4 Tuberculosis (A15-A19)	469	5,2
5 Malignant neoplasms of digestive organs (C15-C26)	819	4,8	5 Malignant neoplasms of digestive organs (C15-C26)	440	5,6	5 Diabetes mellitus (E10-E14)	469	5,2
6 Diabetes mellitus (E10-E14)	754	4,5	6 Ischaemic heart diseases (I20-I25)	289	3,7	6 Hypertensive diseases (I10-I15)	468	5,2
7 Hypertensive diseases (I10-I15)	697	4,1	7 Diabetes mellitus (E10-E14)	285	3,6	7 Malignant neoplasms of digestive organs (C15-C26)	379	4,2
8 Ischaemic heart diseases (I20-I25)	593	3,5	8 Influenza and pneumonia (J10-J18)	244	3,1	8 Ischaemic heart diseases (I20-I25)	304	3,4
9 Influenza and pneumonia (J10-J18)	526	3,1	9 Hypertensive diseases (I10-I15)	229	2,9	9 Influenza and pneumonia (J10-J18)	282	3,1
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	314	1,9	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	211	2,7	10 Intestinal infectious diseases (A00-A09)	185	2,0
... Other causes	7 951	47,0	... Other causes	3 725	47,3	... Other causes	4 144	45,7
... All causes	16 935	100,0	... All causes	7 872	100,0	... All causes	9 063	100,0

Excluding a total of 753 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 1997

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	669 8,0	1 Tuberculosis (A15-A19)	418 9,1	1 Cerebrovascular diseases (I60-I69)	300 8,0
2 Other forms of heart disease (I30-I52)	548 6,6	2 Other forms of heart disease (I30-I52)	269 5,9	2 Other forms of heart disease (I30-I52)	279 7,4
3 Cerebrovascular diseases (I60-I69)	517 6,2	3 Chronic lower respiratory diseases (J40-J47)	227 5,0	3 Tuberculosis (A15-A19)	251 6,7
4 Ischaemic heart diseases (I20-I25)	370 4,4	4 Ischaemic heart diseases (I20-I25)	217 4,7	4 Diabetes mellitus (E10-E14)	175 4,6
5 Chronic lower respiratory diseases (J40-J47)	347 4,2	5 Cerebrovascular diseases (I60-I69)	217 4,7	5 Ischaemic heart diseases (I20-I25)	153 4,1
6 Malignant neoplasms of digestive organs (C15-C26)	309 3,7	6 Malignant neoplasms of digestive organs (C15-C26)	170 3,7	6 Malignant neoplasms of digestive organs (C15-C26)	139 3,7
7 Influenza and pneumonia (J10-J18)	291 3,5	7 Influenza and pneumonia (J10-J18)	158 3,4	7 Hypertensive diseases (I10-I15)	135 3,6
8 Diabetes mellitus (E10-E14)	260 3,1	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	131 2,9	8 Influenza and pneumonia (J10-J18)	133 3,5
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	204 2,4	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	103 2,2	9 Chronic lower respiratory diseases (J40-J47)	120 3,2
10 Hypertensive diseases (I10-I15)	187 2,2	10 Digestive system disorders of foetus and newborn (P75-P78)	94 2,1	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	101 2,7
... Other causes	4 649 55,7	... Other causes	2 580 56,3	... Other causes	1 981 52,6
... All causes	8 351 100,0	... All causes	4 584 100,0	... All causes	3 767 100,0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	204 18,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	103 17,4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	101 20,2
2 Digestive system disorders of foetus and newborn (P75-P78)	186 17,1	2 Digestive system disorders of foetus and newborn (P75-P78)	94 15,9	2 Digestive system disorders of foetus and newborn (P75-P78)	92 18,4
3 Disorders related to length of gestation and foetal growth (P05-P08)	62 5,7	3 Disorders related to length of gestation and foetal growth (P05-P08)	38 6,4	3 Other disorders originating in the perinatal period (P90-P96)	26 5,2
4 Other disorders originating in the perinatal period (P90-P96)	54 5,0	4 Intestinal infectious diseases (A00-A09)	29 4,9	4 Disorders related to length of gestation and foetal growth (P05-P08)	24 4,8
5 Intestinal infectious diseases (A00-A09)	50 4,6	5 Other disorders originating in the perinatal period (P90-P96)	28 4,7	5 Infections specific to the perinatal period (P35-P39)	22 4,4
6 Malnutrition (E40-E46)	46 4,2	6 Malnutrition (E40-E46)	26 4,4	6 Intestinal infectious diseases (A00-A09)	21 4,2
7 Infections specific to the perinatal period (P35-P39)	43 3,9	7 Infections specific to the perinatal period (P35-P39)	21 3,6	7 Malnutrition (E40-E46)	20 4,0
8 Tuberculosis (A15-A19)	22 2,0	8 Inflammatory diseases of the central nervous system (G00-G09)	11 1,9	8 Tuberculosis (A15-A19)	12 2,4
9 Inflammatory diseases of the central nervous system (G00-G09)	19 1,7	9 Tuberculosis (A15-A19)	10 1,7	9 Influenza and pneumonia (J10-J18)	9 1,8
10 Influenza and pneumonia (J10-J18)	17 1,6	10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	9 1,5	10 Inflammatory diseases of the central nervous system (G00-G09)	8 1,6
... Other causes	387 35,5	... Other causes	222 37,6	... Other causes	164 32,9
... All causes	1 090 100,0	... All causes	591 100,0	... All causes	499 100,0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	405 14,9	1 Tuberculosis (A15-A19)	233 14,4	1 Tuberculosis (A15-A19)	172 15,6
2 Human immunodeficiency virus [HIV] disease (B20-B24)	121 4,4	2 Influenza and pneumonia (J10-J18)	57 3,5	2 Human immunodeficiency virus [HIV] disease (B20-B24)	77 7,0
3 Other forms of heart disease (I30-I52)	104 3,8	3 Other forms of heart disease (I30-I52)	53 3,3	3 Other forms of heart disease (I30-I52)	51 4,6
4 Influenza and pneumonia (J10-J18)	97 3,6	4 Human immunodeficiency virus [HIV] disease (B20-B24)	44 2,7	4 Cerebrovascular diseases (I60-I69)	46 4,2
5 Cerebrovascular diseases (I60-I69)	77 2,8	5 Cerebrovascular diseases (I60-I69)	31 1,9	5 Influenza and pneumonia (J10-J18)	40 3,6
6 Chronic lower respiratory diseases (J40-J47)	56 2,1	6 Episodic and paroxysmal disorders (G40-G47)	27 1,7	6 Chronic lower respiratory diseases (J40-J47)	30 2,7
7 Malignant neoplasms of digestive organs (C15-C26)	53 1,9	7 Diseases of liver (K70-K77)	27 1,7	7 Malignant neoplasms of female genital organs (C51-C58)	27 2,4
8 Diseases of liver (K70-K77)	52 1,9	8 Malignant neoplasms of digestive organs (C15-C26)	27 1,7	8 Malignant neoplasms of digestive organs (C15-C26)	26 2,4
9 Ischaemic heart diseases (I20-I25)	46 1,7	9 Ischaemic heart diseases (I20-I25)	26 1,6	9 Diseases of liver (K70-K77)	25 2,3
10 Episodic and paroxysmal disorders (G40-G47)	39 1,4	10 Chronic lower respiratory diseases (J40-J47)	26 1,6	10 Diabetes mellitus (E10-E14)	23 2,1
... Other causes	1 673 61,4	... Other causes	1 069 66,0	... Other causes	586 53,1
... All causes	2 723 100,0	... All causes	1 620 100,0	... All causes	1 103 100,0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years	
1 Tuberculosis (A15-A19)	160 9,1	1 Tuberculosis (A15-A19)	117 11,6	1 Other forms of heart disease (I30-I52)	70 9,3
2 Other forms of heart disease (I30-I52)	143 8,1	2 Ischaemic heart diseases (I20-I25)	81 8,0	2 Diabetes mellitus (E10-E14)	67 8,9
3 Cerebrovascular diseases (I60-I69)	140 7,9	3 Cerebrovascular diseases (I60-I69)	75 7,4	3 Cerebrovascular diseases (I60-I69)	65 8,6
4 Chronic lower respiratory diseases (J40-J47)	125 7,1	4 Chronic lower respiratory diseases (J40-J47)	75 7,4	4 Chronic lower respiratory diseases (J40-J47)	50 6,6
5 Ischaemic heart diseases (I20-I25)	115 6,5	5 Other forms of heart disease (I30-I52)	73 7,2	5 Malignant neoplasms of digestive organs (C15-C26)	46 6,1
6 Malignant neoplasms of digestive organs (C15-C26)	106 6,0	6 Malignant neoplasms of digestive organs (C15-C26)	60 5,9	6 Tuberculosis (A15-A19)	43 5,7
7 Diabetes mellitus (E10-E14)	92 5,2	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	52 5,1	7 Ischaemic heart diseases (I20-I25)	34 4,5
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	71 4,0	8 Influenza and pneumonia (J10-J18)	27 2,7	8 Malignant neoplasms of female genital organs (C51-C58)	34 4,5
9 Hypertensive diseases (I10-I15)	47 2,7	9 Diabetes mellitus (E10-E14)	25 2,5	9 Hypertensive diseases (I10-I15)	33 4,4
10 Influenza and pneumonia (J10-J18)	47 2,7	10 Diseases of liver (K70-K77)	25 2,5	10 Influenza and pneumonia (J10-J18)	20 2,7
... Other causes	718 40,7	... Other causes	402 39,7	... Other causes	290 38,6
... All causes	1 764 100,0	... All causes	1 012 100,0	... All causes	752 100,0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	299 10,8	1 Other forms of heart disease (I30-I52)	140 10,3	1 Other forms of heart disease (I30-I52)	610 16,0
2 Other forms of heart disease (I30-I52)	291 10,5	2 Chronic lower respiratory diseases (J40-J47)	125 9,2	2 Cerebrovascular diseases (I60-I69)	486 12,7
3 Ischaemic heart diseases (I20-I25)	209 7,5	3 Cerebrovascular diseases (I60-I69)	111 8,2	3 Hypertensive diseases (I10-I15)	265 6,9
4 Chronic lower respiratory diseases (J40-J47)	164 5,9	4 Ischaemic heart diseases (I20-I25)	110 8,1	4 Influenza and pneumonia (J10-J18)	212 5,5
5 Malignant neoplasms of digestive organs (C15-C26)	150 5,4	5 Malignant neoplasms of digestive organs (C15-C26)	83 6,1	5 Diabetes mellitus (E10-E14)	208 5,4
6 Influenza and pneumonia (J10-J18)	130 4,7	6 Influenza and pneumonia (J10-J18)	66 4,8	6 Ischaemic heart diseases (I20-I25)	172 4,5
7 Diabetes mellitus (E10-E14)	129 4,7	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	62 4,6	7 Chronic lower respiratory diseases (J40-J47)	151 3,9
8 Hypertensive diseases (I10-I15)	110 4,0	8 Tuberculosis (A15-A19)	58 4,3	8 Intestinal infectious diseases (A00-A09)	87 2,3
9 Tuberculosis (A15-A19)	82 3,0	9 Diabetes mellitus (E10-E14)	45 3,3	9 Malignant neoplasms of digestive organs (C15-C26)	87 2,3
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	77 2,8	10 Malignant neoplasms of male genital organs (C60-C63)	39 2,9	10 Malignant neoplasms of female genital organs (C51-C58)	72 1,9
... Other causes	1 133 40,8	... Other causes	522 38,4	... Other causes	1 473 38,5
... All causes	2 774 100,0	... All causes	1 361 100,0	... All causes	3 823 100,0

Excluding a total of 107 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 1997

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	2 008	8,1	1 259	9,4	1 032	9,1
2 Other forms of heart disease (I30-I52)	1 999	8,1	967	7,2	905	8,0
3 Cerebrovascular diseases (I60-I69)	1 558	6,3	781	5,8	749	6,6
4 Influenza and pneumonia (J10-J18)	1 497	6,0	653	4,9	716	6,3
5 Human immunodeficiency virus [HIV] disease (B20-B24)	976	3,9	522	3,9	525	4,6
6 Chronic lower respiratory diseases (J40-J47)	814	3,3	451	3,4	432	3,8
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	778	3,1	410	3,1	398	3,5
8 Hypertensive diseases (I10-I15)	667	2,7	372	2,8	368	3,2
9 Diabetes mellitus (E10-E14)	640	2,6	357	2,7	343	3,0
10 Digestive system disorders of foetus and newborn (P75-P78)	625	2,5	327	2,4	298	2,6
... Other causes	13 193	53,3	7 285	54,4	5 605	49,3
... All causes	24 755	100,0	13 384	100,0	11 371	100,0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	778	22,4	410	22,6	368	22,3
2 Digestive system disorders of foetus and newborn (P75-P78)	625	18,0	327	18,0	298	18,0
3 Intestinal infectious diseases (A00-A09)	220	6,3	110	6,1	110	6,7
4 Other disorders originating in the perinatal period (P90-P96)	185	5,3	95	5,2	90	5,4
5 Disorders related to length of gestation and foetal growth (P05-P08)	176	5,1	90	5,0	86	5,2
6 Malnutrition (E40-E46)	142	4,1	73	4,0	70	4,2
7 Influenza and pneumonia (J10-J18)	133	3,8	63	3,5	69	4,2
8 Infections specific to the perinatal period (P35-P39)	103	3,0	56	3,1	47	2,8
9 Human immunodeficiency virus [HIV] disease (B20-B24)	75	2,2	40	2,2	41	2,5
10 Foetus & newborn affected by matern. factors & complic. of preg., lab & delivery (P00-P04)	72	2,1	34	1,9	32	1,9
... Other causes	960	27,7	519	28,6	441	26,7
... All causes	3 469	100,0	1 817	100,0	1 652	100,0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 425	14,8	829	14,8	596	14,9
2 Human immunodeficiency virus [HIV] disease (B20-B24)	838	8,7	373	6,7	465	11,6
3 Influenza and pneumonia (J10-J18)	675	7,0	332	5,9	343	8,6
4 Other forms of heart disease (I30-I52)	442	4,6	237	4,2	222	5,5
5 Certain disorders involving the immune mechanism (D80-D89)	357	3,7	157	2,8	205	5,1
6 Cerebrovascular diseases (I60-I69)	324	3,4	135	2,4	167	4,2
7 Intestinal infectious diseases (A00-A09)	178	1,9	87	1,6	116	2,9
8 Chronic lower respiratory diseases (J40-J47)	140	1,5	78	1,4	85	2,1
9 Diseases of liver (K70-K77)	137	1,4	69	1,2	59	1,5
10 Diabetes mellitus (E10-E14)	111	1,2	64	1,1	59	1,5
... Other causes	4 983	51,9	3 240	57,8	1 692	42,2
... All causes	9 610	100,0	5 601	100,0	4 009	100,0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years		
1 Other forms of heart disease (I30-I52)	435	9,6	306	11,5	247	13,1
2 Cerebrovascular diseases (I60-I69)	431	9,5	230	8,7	205	10,9
3 Tuberculosis (A15-A19)	396	8,7	184	6,9	130	6,9
4 Influenza and pneumonia (J10-J18)	264	5,8	173	6,5	116	6,1
5 Chronic lower respiratory diseases (J40-J47)	236	5,2	150	5,6	94	5,0
6 Malignant neoplasms of digestive organs (C15-C26)	222	4,9	149	5,6	91	4,8
7 Diabetes mellitus (E10-E14)	205	4,5	131	4,9	90	4,8
8 Hypertensive diseases (I10-I15)	180	4,0	93	3,5	86	4,6
9 Ischaemic heart diseases (I20-I25)	174	3,8	75	2,8	73	3,9
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	113	2,5	65	2,4	43	2,3
... Other causes	1 888	41,5	1 101	41,4	712	37,7
... All causes	4 544	100,0	2 657	100,0	1 887	100,0
Free State, both sexes, 65 years and above		Free State, Male, 65 years and above		Free State, Female, 65 years and above		
1 Other forms of heart disease (I30-I52)	1 097	15,4	487	14,7	610	16,0
2 Cerebrovascular diseases (I60-I69)	791	11,1	305	9,2	486	12,7
3 Chronic lower respiratory diseases (J40-J47)	431	6,0	280	8,5	265	6,9
4 Influenza and pneumonia (J10-J18)	425	6,0	213	6,4	212	5,5
5 Hypertensive diseases (I10-I15)	387	5,4	162	4,9	208	5,4
6 Ischaemic heart diseases (I20-I25)	334	4,7	153	4,6	172	4,5
7 Diabetes mellitus (E10-E14)	323	4,5	122	3,7	151	3,9
8 Malignant neoplasms of digestive organs (C15-C26)	240	3,4	115	3,5	87	2,3
9 Tuberculosis (A15-A19)	149	2,1	108	3,3	87	2,3
10 Renal failure (N17-N19)	138	1,9	101	3,1	72	1,9
... Other causes	2 817	39,5	1 263	38,2	1 473	38,5
... All causes	7 132	100,0	3 309	100,0	3 823	100,0

Excluding a total of 328 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 1997

KwaZulu-Natal, both sexes all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	5 896	8,7	1 Tuberculosis (A15-A19)	3 751	10,0	1 Other forms of heart disease (I30-I52)	2 338	7,8
2 Other forms of heart disease (I30-I52)	4 445	6,6	2 Other forms of heart disease (I30-I52)	2 107	5,6	2 Tuberculosis (A15-A19)	2 145	7,1
3 Cerebrovascular diseases (I60-I69)	3 268	4,8	3 Cerebrovascular diseases (I60-I69)	1 427	3,8	3 Cerebrovascular diseases (I60-I69)	1 841	6,1
4 Diabetes mellitus (E10-E14)	2 445	3,6	4 Chronic lower respiratory diseases (J40-J47)	1 271	3,4	4 Diabetes mellitus (E10-E14)	1 488	5,0
5 Influenza and pneumonia (J10-J18)	2 326	3,4	5 Influenza and pneumonia (J10-J18)	1 132	3,0	5 Influenza and pneumonia (J10-J18)	1 194	4,0
6 Chronic lower respiratory diseases (J40-J47)	2 069	3,1	6 Diabetes mellitus (E10-E14)	957	2,5	6 Intestinal infectious diseases (A00-A09)	1 014	3,4
7 Intestinal infectious diseases (A00-A09)	1 952	2,9	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	957	2,5	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	899	3,0
8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 856	2,7	8 Malignant neoplasms of digestive organs (C15-C26)	956	2,5	8 Hypertensive diseases (I10-I15)	865	2,9
9 Malignant neoplasms of digestive organs (C15-C26)	1 498	2,2	9 Intestinal infectious diseases (A00-A09)	938	2,5	9 Chronic lower respiratory diseases (J40-J47)	798	2,7
10 Ischaemic heart diseases (I20-I25)	1 462	2,2	10 Ischaemic heart diseases (I20-I25)	929	2,5	10 Digestive system disorders of foetus and newborn (P75-P78)	633	2,1
... Other causes	40 487	59,8	... Other causes	23 264	61,7	... Other causes	16 800	56,0
... All causes	67 704	100,0	... All causes	37 689	100,0	... All causes	30 015	100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 856	18,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	957	17,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	899	18,9
2 Digestive system disorders of foetus and newborn (P75-P78)	1 386	13,7	2 Digestive system disorders of foetus and newborn (P75-P78)	753	14,0	2 Digestive system disorders of foetus and newborn (P75-P78)	633	13,3
3 Other disorders originating in the perinatal period (P90-P96)	871	8,6	3 Other disorders originating in the perinatal period (P90-P96)	477	8,9	3 Other disorders originating in the perinatal period (P90-P96)	394	8,3
4 Intestinal infectious diseases (A00-A09)	543	5,4	4 Intestinal infectious diseases (A00-A09)	292	5,4	4 Intestinal infectious diseases (A00-A09)	251	5,3
5 Malnutrition (E40-E46)	422	4,2	5 Infections specific to the perinatal period (P35-P39)	232	4,3	5 Malnutrition (E40-E46)	214	4,5
6 Infections specific to the perinatal period (P35-P39)	397	3,9	6 Disorders related to length of gestation and foetal growth (P05-P08)	211	3,9	6 Disorders related to length of gestation and foetal growth (P05-P08)	175	3,7
7 Disorders related to length of gestation and foetal growth (P05-P08)	386	3,8	7 Malnutrition (E40-E46)	208	3,9	7 Infections specific to the perinatal period (P35-P39)	165	3,5
8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	262	2,6	8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	143	2,7	8 Influenza and pneumonia (J10-J18)	133	2,8
9 Influenza and pneumonia (J10-J18)	247	2,4	9 Influenza and pneumonia (J10-J18)	114	2,1	9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	119	2,5
10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	178	1,8	10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	105	2,0	10 Certain disorders involving the immune mechanism (D80-D89)	79	1,7
... Other causes	3 581	35,4	... Other causes	1 877	35,0	... Other causes	1 698	35,7
... All causes	10 129	100,0	... All causes	5 369	100,0	... All causes	4 760	100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 123	15,4	1 Tuberculosis (A15-A19)	2 484	14,9	1 Tuberculosis (A15-A19)	1 639	16,4
2 Other forms of heart disease (I30-I52)	1 145	4,3	2 Other forms of heart disease (I30-I52)	611	3,7	2 Influenza and pneumonia (J10-J18)	558	5,6
3 Influenza and pneumonia (J10-J18)	1 083	4,1	3 Influenza and pneumonia (J10-J18)	525	3,1	3 Other forms of heart disease (I30-I52)	534	5,3
4 Human immunodeficiency virus [HIV] disease (B20-B24)	982	3,7	4 Human immunodeficiency virus [HIV] disease (B20-B24)	492	2,9	4 Human immunodeficiency virus [HIV] disease (B20-B24)	490	4,9
5 Intestinal infectious diseases (A00-A09)	833	3,1	5 Intestinal infectious diseases (A00-A09)	385	2,3	5 Intestinal infectious diseases (A00-A09)	448	4,5
6 Certain disorders involving the immune mechanism (D80-D89)	645	2,4	6 Chronic lower respiratory diseases (J40-J47)	324	1,9	6 Certain disorders involving the immune mechanism (D80-D89)	366	3,7
7 Chronic lower respiratory diseases (J40-J47)	551	2,1	7 Diseases of liver (K70-K77)	303	1,8	7 Chronic lower respiratory diseases (J40-J47)	227	2,3
8 Cerebrovascular diseases (I60-I69)	523	2,0	8 Cerebrovascular diseases (I60-I69)	299	1,8	8 Cerebrovascular diseases (I60-I69)	224	2,2
9 Diseases of liver (K70-K77)	452	1,7	9 Certain disorders involving the immune mechanism (D80-D89)	279	1,7	9 Diabetes mellitus (E10-E14)	191	1,9
10 Diabetes mellitus (E10-E14)	378	1,4	10 Malignant neoplasms of digestive organs (C15-C26)	251	1,5	10 Other viral diseases (B25-B34)	186	1,9
... Other causes	16 010	59,9	... Other causes	10 753	64,4	... Other causes	5 156	51,5
... All causes	26 725	100,0	... All causes	16 706	100,0	... All causes	10 019	100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years				
1 Other forms of heart disease (I30-I52)	1 058	8,7	1 Tuberculosis (A15-A19)	770	10,6	1 Diabetes mellitus (E10-E14)	582	11,9
2 Tuberculosis (A15-A19)	993	8,1	2 Other forms of heart disease (I30-I52)	582	8,0	2 Other forms of heart disease (I30-I52)	476	9,7
3 Diabetes mellitus (E10-E14)	941	7,7	3 Cerebrovascular diseases (I60-I69)	469	6,4	3 Cerebrovascular diseases (I60-I69)	452	9,2
4 Cerebrovascular diseases (I60-I69)	921	7,6	4 Chronic lower respiratory diseases (J40-J47)	414	5,7	4 Hypertensive diseases (I10-I15)	233	4,8
5 Chronic lower respiratory diseases (J40-J47)	571	4,7	5 Diabetes mellitus (E10-E14)	359	4,9	5 Tuberculosis (A15-A19)	223	4,6
6 Malignant neoplasms of digestive organs (C15-C26)	506	4,2	6 Malignant neoplasms of digestive organs (C15-C26)	353	4,8	6 Malignant neoplasms of female genital organs (C51-C58)	179	3,7
7 Ischaemic heart diseases (I20-I25)	468	3,8	7 Ischaemic heart diseases (I20-I25)	316	4,3	7 Chronic lower respiratory diseases (J40-J47)	157	3,2
8 Hypertensive diseases (I10-I15)	455	3,7	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	243	3,3	8 Malignant neoplasms of digestive organs (C15-C26)	153	3,1
9 Influenza and pneumonia (J10-J18)	313	2,6	9 Hypertensive diseases (I10-I15)	222	3,0	9 Ischaemic heart diseases (I20-I25)	152	3,1
10 Diseases of liver (K70-K77)	312	2,6	10 Diseases of liver (K70-K77)	219	3,0	10 Influenza and pneumonia (J10-J18)	115	2,3
... Other causes	5 649	46,4	... Other causes	3 342	45,8	... Other causes	2 176	44,4
... All causes	12 187	100,0	... All causes	7 289	100,0	... All causes	4 898	100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	2 133	11,4	1 Other forms of heart disease (I30-I52)	867	10,4	1 Other forms of heart disease (I30-I52)	1 266	12,2
2 Cerebrovascular diseases (I60-I69)	1 805	9,7	2 Cerebrovascular diseases (I60-I69)	653	7,8	2 Cerebrovascular diseases (I60-I69)	1 152	11,1
3 Diabetes mellitus (E10-E14)	1 116	6,0	3 Chronic lower respiratory diseases (J40-J47)	516	6,2	3 Diabetes mellitus (E10-E14)	708	6,8
4 Chronic lower respiratory diseases (J40-J47)	913	4,9	4 Ischaemic heart diseases (I20-I25)	459	5,5	4 Hypertensive diseases (I10-I15)	516	5,0
5 Ischaemic heart diseases (I20-I25)	795	4,3	5 Tuberculosis (A15-A19)	429	5,2	5 Chronic lower respiratory diseases (J40-J47)	397	3,8
6 Hypertensive diseases (I10-I15)	774	4,1	6 Diabetes mellitus (E10-E14)	408	4,9	6 Influenza and pneumonia (J10-J18)	388	3,8
7 Influenza and pneumonia (J10-J18)	683	3,7	7 Malignant neoplasms of digestive organs (C15-C26)	350	4,2	7 Ischaemic heart diseases (I20-I25)	336	3,3
8 Tuberculosis (A15-A19)	637	3,4	8 Influenza and pneumonia (J10-J18)	295	3,5	8 Malignant neoplasms of digestive organs (C15-C26)	281	2,7
9 Malignant neoplasms of digestive organs (C15-C26)	631	3,4	9 Hypertensive diseases (I10-I15)	258	3,1	9 Tuberculosis (A15-A19)	208	2,0
10 Intestinal infectious diseases (A00-A09)	337	1,8	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	207	2,5	10 Intestinal infectious diseases (A00-A09)	205	2,0
... Other causes	8 839	47,4	... Other causes	3 883	46,6	... Other causes	4 881	47,2
... All causes	18 663	100,0	... All causes	8 325	100,0	... All causes	10 338	100,0

Excluding a total of 2322 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 1997

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages		
No.	%	No.	%	No.	%	
1 Other forms of heart disease (I30-I52)	1 944	8,0	1 215	8,9	997	9,3
2 Tuberculosis (A15-A19)	1 928	7,9	947	7,0	808	7,5
3 Cerebrovascular diseases (I60-I69)	1 519	6,2	711	5,2	713	6,6
4 Influenza and pneumonia (J10-J18)	1 223	5,0	667	4,9	556	5,2
5 Hypertensive diseases (I10-I15)	736	3,0	491	3,6	488	4,5
6 Chronic lower respiratory diseases (J40-J47)	733	3,0	431	3,2	375	3,5
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	712	2,9	379	2,8	346	3,2
8 Malignant neoplasms of digestive organs (C15-C26)	648	2,7	368	2,7	334	3,1
9 Diabetes mellitus (E10-E14)	633	2,6	366	2,7	249	2,3
10 Human immunodeficiency virus [HIV] disease (B20-B24)	605	2,5	268	2,0	242	2,3
... Other causes	13 666	56,1	7 750	57,0	5 646	52,5
... All causes	24 347	100,0	13 593	100,0	10 754	100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	712	20,7	366	19,7	346	21,9
2 Digestive system disorders of foetus and newborn (P75-P78)	498	14,5	249	13,4	249	15,7
3 Intestinal infectious diseases (A00-A09)	254	7,4	123	6,6	131	8,3
4 Other disorders originating in the perinatal period (P90-P96)	209	6,1	118	6,3	91	5,7
5 Disorders related to length of gestation and foetal growth (P05-P08)	163	4,7	88	4,7	75	4,7
6 Malnutrition (E40-E46)	147	4,3	77	4,1	70	4,4
7 Influenza and pneumonia (J10-J18)	112	3,3	74	4,0	48	3,0
8 Infections specific to the perinatal period (P35-P39)	95	2,8	47	2,5	38	2,4
9 Foetus & newborn affctd by matern. factors & complic. of preg., lab & delivery (P00-P04)	72	2,1	38	2,0	34	2,1
10 Tuberculosis (A15-A19)	51	1,5	28	1,5	25	1,6
... Other causes	1 130	32,8	652	35,1	476	30,1
... All causes	3 443	100,0	1 860	100,0	1 583	100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 225	14,0	669	12,9	556	15,5
2 Influenza and pneumonia (J10-J18)	555	6,3	316	6,1	273	7,6
3 Human immunodeficiency virus [HIV] disease (B20-B24)	523	6,0	282	5,5	230	6,4
4 Other forms of heart disease (I30-I52)	443	5,1	213	4,1	207	5,8
5 Certain disorders involving the immune mechanism (D80-D89)	287	3,3	130	2,5	172	4,8
6 Cerebrovascular diseases (I60-I69)	264	3,0	115	2,2	134	3,7
7 Intestinal infectious diseases (A00-A09)	147	1,7	87	1,7	87	2,4
8 Episodic and paroxysmal disorders (G40-G47)	138	1,6	85	1,6	73	2,0
9 Malignant neoplasms of digestive organs (C15-C26)	136	1,6	74	1,4	63	1,8
10 Diabetes mellitus (E10-E14)	121	1,4	71	1,4	54	1,5
... Other causes	4 925	56,2	3 132	60,5	1 741	48,5
... All causes	8 764	100,0	5 174	100,0	3 590	100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years		
1 Other forms of heart disease (I30-I52)	446	10,4	324	12,2	173	10,6
2 Tuberculosis (A15-A19)	406	9,5	273	10,3	171	10,5
3 Cerebrovascular diseases (I60-I69)	370	8,6	199	7,5	117	7,2
4 Malignant neoplasms of digestive organs (C15-C26)	243	5,7	166	6,2	104	6,4
5 Chronic lower respiratory diseases (J40-J47)	208	4,8	136	5,1	90	5,5
6 Diabetes mellitus (E10-E14)	204	4,8	110	4,1	82	5,0
7 Influenza and pneumonia (J10-J18)	175	4,1	107	4,0	77	4,7
8 Ischaemic heart diseases (I20-I25)	167	3,9	87	3,3	72	4,4
9 Hypertensive diseases (I10-I15)	166	3,9	84	3,2	68	4,2
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	104	2,4	67	2,5	57	3,5
... Other causes	1 805	42,0	1 109	41,7	621	38,1
... All causes	4 294	100,0	2 662	100,0	1 632	100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	1 022	13,0	448	11,5	574	14,5
2 Cerebrovascular diseases (I60-I69)	876	11,2	376	9,6	500	12,7
3 Hypertensive diseases (I10-I15)	476	6,1	273	7,0	330	8,4
4 Chronic lower respiratory diseases (J40-J47)	399	5,1	204	5,2	194	4,9
5 Influenza and pneumonia (J10-J18)	381	4,9	196	5,0	177	4,5
6 Ischaemic heart diseases (I20-I25)	325	4,1	182	4,7	143	3,6
7 Diabetes mellitus (E10-E14)	306	3,9	176	4,5	126	3,2
8 Malignant neoplasms of digestive organs (C15-C26)	267	3,4	146	3,7	91	2,3
9 Tuberculosis (A15-A19)	246	3,1	112	2,9	89	2,3
10 Intestinal infectious diseases (A00-A09)	148	1,9	80	2,1	54	1,4
... Other causes	3 400	43,3	1 704	43,7	1 671	42,3
... All causes	7 846	100,0	3 897	100,0	3 949	100,0

Excluding a total of 512 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 1997

Gauteng, both sexes, all ages		Gauteng, male, all ages		Gauteng, female, all ages		
No.	%	No.	%	No.	%	
1 Other forms of heart disease (I30-I52)	3 743	5,7	1 822	4,8	1 921	6,8
2 Cerebrovascular diseases (I60-I69)	3 178	4,8	1 791	4,7	1 716	6,1
3 Tuberculosis (A15-A19)	2 835	4,3	1 462	3,8	1 181	4,2
4 Ischaemic heart diseases (I20-I25)	2 320	3,5	1 441	3,8	1 044	3,7
5 Influenza and pneumonia (J10-J18)	2 247	3,4	1 215	3,2	1 032	3,7
6 Diabetes mellitus (E10-E14)	2 101	3,2	1 161	3,1	934	3,3
7 Malignant neoplasms of digestive organs (C15-C26)	1 858	2,8	1 087	2,9	879	3,1
8 Chronic lower respiratory diseases (J40-J47)	1 825	2,8	920	2,4	738	2,6
9 Hypertensive diseases (I10-I15)	1 659	2,4	738	1,9	697	2,5
10 Human immunodeficiency virus [HIV] disease (B20-B24)	1 358	2,1	711	1,9	637	2,3
... Other causes	43 099	65,2	25 652	67,5	17 344	61,7
... All causes	66 123	100,0	38 000	100,0	28 123	100,0
Gauteng, both sexes, 0-14 years		Gauteng, male, 0-14 years		Gauteng, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 333	17,3	696	16,8	637	17,8
2 Other disorders originating in the perinatal period (P90-P96)	1 107	14,3	584	14,1	523	14,6
3 Digestive system disorders of foetus and newborn (P75-P78)	688	8,9	370	9,0	318	8,9
4 Infections specific to the perinatal period (P35-P39)	331	4,3	168	4,1	163	4,6
5 Disorders related to length of gestation and foetal growth (P05-P08)	246	3,2	119	2,9	127	3,5
6 Intestinal infectious diseases (A00-A09)	194	2,5	102	2,5	92	2,6
7 Human immunodeficiency virus [HIV] disease (B20-B24)	182	2,4	98	2,4	87	2,4
8 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	159	2,1	95	2,3	67	1,9
9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	149	1,9	92	2,2	67	1,9
10 Certain disorders involving the immune mechanism (D80-D89)	144	1,9	82	2,0	61	1,7
... Other causes	3 182	41,2	1 727	41,8	1 440	40,2
... All causes	7 715	100,0	4 133	100,0	3 582	100,0
Gauteng, both sexes, 15-49 years		Gauteng, male, 15-49 years		Gauteng, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 922	7,5	1 155	6,9	767	8,9
2 Human immunodeficiency virus [HIV] disease (B20-B24)	1 060	4,2	562	3,3	498	5,7
3 Influenza and pneumonia (J10-J18)	949	3,7	554	3,3	395	4,6
4 Other forms of heart disease (I30-I52)	818	3,2	455	2,7	363	4,2
5 Cerebrovascular diseases (I60-I69)	566	2,2	315	1,9	268	3,1
6 Certain disorders involving the immune mechanism (D80-D89)	464	1,8	254	1,5	251	2,9
7 Malignant neoplasms of digestive organs (C15-C26)	369	1,4	205	1,2	185	2,1
8 Diseases of liver (K70-K77)	320	1,3	202	1,2	126	1,5
9 Diabetes mellitus (E10-E14)	295	1,2	196	1,2	125	1,4
10 Ischaemic heart diseases (I20-I25)	277	1,1	170	1,0	125	1,4
... Other causes	18 478	72,4	12 786	75,9	5 561	64,2
... All causes	25 518	100,0	16 854	100,0	8 664	100,0
Gauteng, both sexes, 50-64 years		Gauteng, male, 50-64 years		Gauteng, female, 50-64 years		
1 Other forms of heart disease (I30-I52)	882	7,1	504	6,7	407	8,3
2 Cerebrovascular diseases (I60-I69)	876	7,1	488	6,5	378	7,7
3 Ischaemic heart diseases (I20-I25)	658	5,3	469	6,3	347	7,1
4 Diabetes mellitus (E10-E14)	647	5,2	411	5,5	217	4,4
5 Malignant neoplasms of digestive organs (C15-C26)	605	4,9	396	5,3	209	4,3
6 Tuberculosis (A15-A19)	561	4,5	300	4,0	202	4,1
7 Chronic lower respiratory diseases (J40-J47)	470	3,8	296	4,0	174	3,5
8 Hypertensive diseases (I10-I15)	388	3,1	280	3,7	170	3,5
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	371	3,0	236	3,2	150	3,1
10 Influenza and pneumonia (J10-J18)	357	2,9	186	2,5	138	2,8
... Other causes	6 578	53,1	3 916	52,3	2 519	51,3
... All causes	12 393	100,0	7 482	100,0	4 911	100,0
Gauteng, both sexes, 65 years and above		Gauteng, male, 65 years and above		Gauteng, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	1 970	9,6	824	8,6	1 146	10,5
2 Cerebrovascular diseases (I60-I69)	1 724	8,4	745	7,8	1 053	9,6
3 Ischaemic heart diseases (I20-I25)	1 380	6,7	671	7,0	702	6,4
4 Diabetes mellitus (E10-E14)	1 142	5,6	642	6,7	635	5,8
5 Chronic lower respiratory diseases (J40-J47)	1 089	5,3	509	5,3	625	5,7
6 Hypertensive diseases (I10-I15)	943	4,6	440	4,6	460	4,2
7 Malignant neoplasms of digestive organs (C15-C26)	880	4,3	369	3,9	447	4,1
8 Influenza and pneumonia (J10-J18)	829	4,0	343	3,6	371	3,4
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	496	2,4	322	3,4	214	2,0
10 Renal failure (N17-N19)	388	1,9	318	3,3	205	1,9
... Other causes	9 656	47,1	4 348	45,6	5 108	46,6
... All causes	20 497	100,0	9 531	100,0	10 966	100,0

Excluding a total of 1203 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 1997

Mpumalanga, Both sexes, all ages		Mpumalanga, Male, all ages		Mpumalanga, Female, all ages				
No.	%	No.	%	No.	%			
1 Other forms of heart disease (I30-I52)	1 446	7,5	1 Tuberculosis (A15-A19)	834	7,6	1 Other forms of heart disease (I30 - I52)	720	8,6
2 Tuberculosis (A15-A19)	1 202	6,2	2 Other forms of heart disease (I30-I52)	726	6,6	2 Cerebrovascular diseases (I60 - I69)	553	6,6
3 Cerebrovascular diseases (I60-I69)	1 023	5,3	3 Influenza and pneumonia (J10-J18)	496	4,5	3 Influenza and pneumonia (J10 - J18)	375	4,5
4 Influenza and pneumonia (J10-J18)	871	4,5	4 Cerebrovascular diseases (I60-I69)	470	4,3	4 Tuberculosis (A15-A19)	368	4,4
5 Diabetes mellitus (E10-E14)	627	3,2	5 Chronic lower respiratory diseases (J40-J47)	350	3,2	5 Diabetes mellitus (E10 - E14)	367	4,4
6 Intestinal infectious diseases (A00-A09)	574	3,0	6 Ischaemic heart diseases (I20-I25)	274	2,5	6 Intestinal infectious diseases (A00-A09)	318	3,8
7 Chronic lower respiratory diseases (J40-J47)	561	2,9	7 Malignant neoplasms of digestive organs (C15-C26)	262	2,4	7 Hypertensive diseases (I10 - I15)	303	3,6
8 Hypertensive diseases (I10-I15)	528	2,7	8 Diabetes mellitus (E10-E14)	260	2,4	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20 - P29)	218	2,6
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	465	2,4	9 Intestinal infectious diseases (A00-A09)	256	2,3	9 Chronic lower respiratory diseases (J40 - J47)	211	2,5
10 Ischaemic heart diseases (I20-I25)	438	2,3	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	247	2,2	10 Certain disorders involving the immune mechanism (D80 - D89)	210	2,5
... Other causes	11 650	60,1	... Other causes	6 821	62,0	... Other causes	4 746	56,6
... All causes	19 385	100,0	... All causes	10 996	100,0	... All causes	8 389	100,0
Mpumalanga, Both sexes, 0-14 years		Mpumalanga, Male, 0-14 years		Mpumalanga, Female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	465	17,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	247	17,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	218	16,8
2 Digestive system disorders of foetus and newborn (P75-P78)	347	12,7	2 Digestive system disorders of foetus and newborn (P75-P78)	187	13,1	2 Digestive system disorders of foetus and newborn (P75-P78)	160	12,3
3 Intestinal infectious diseases (A00-A09)	188	6,9	3 Intestinal infectious diseases (A00-A09)	99	6,9	3 Intestinal infectious diseases (A00-A09)	89	6,9
4 Disorders related to length of gestation and foetal growth (P05-P08)	177	6,5	4 Disorders related to length of gestation and foetal growth (P05-P08)	91	6,4	4 Disorders related to length of gestation and foetal growth (P05-P08)	86	6,6
5 Other disorders originating in the perinatal period (P90-P96)	149	5,5	5 Other disorders originating in the perinatal period (P90-P96)	76	5,3	5 Other disorders originating in the perinatal period (P90-P96)	73	5,6
6 Malnutrition (E40-E46)	85	3,1	6 Infections specific to the perinatal period (P35-P39)	41	2,9	6 Malnutrition (E40-E46)	49	3,8
7 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	75	2,8	7 Influenza and pneumonia (J10-J18)	40	2,8	7 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	38	2,9
8 Influenza and pneumonia (J10-J18)	69	2,5	8 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	37	2,6	8 Influenza and pneumonia (J10-J18)	29	2,2
9 Infections specific to the perinatal period (P35-P39)	69	2,5	9 Malnutrition (E40-E46)	36	2,5	9 Infections specific to the perinatal period (P35-P39)	28	2,2
10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	55	2,0	10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	31	2,2	10 Certain disorders involving the immune mechanism (D80-D89)	24	1,9
... Other causes	1 043	38,3	... Other causes	541	37,9	... Other causes	502	38,7
... All causes	2 722	100,0	... All causes	1 426	100,0	... All causes	1 296	100,0
Mpumalanga, Both sexes, 15-49 years		Mpumalanga, Male, 15-49 years		Mpumalanga, Female, 15-49 years				
1 Tuberculosis (A15-A19)	710	9,7	1 Tuberculosis (A15-A19)	442	9,7	1 Tuberculosis (A15-A19)	268	9,5
2 Influenza and pneumonia (J10-J18)	408	5,5	2 Influenza and pneumonia (J10-J18)	220	4,8	2 Influenza and pneumonia (J10-J18)	188	6,7
3 Human immunodeficiency virus [HIV] disease (B20-B24)	359	4,9	3 Human immunodeficiency virus [HIV] disease (B20-B24)	196	4,3	3 Certain disorders involving the immune mechanism (D80-D89)	177	6,3
4 Other forms of heart disease (I30-I52)	340	4,6	4 Other forms of heart disease (I30-I52)	171	3,8	4 Other forms of heart disease (I30-I52)	169	6,0
5 Certain disorders involving the immune mechanism (D80-D89)	271	3,7	5 Cerebrovascular diseases (I60-I69)	100	2,2	5 Human immunodeficiency virus [HIV] disease (B20-B24)	163	5,8
6 Intestinal infectious diseases (A00-A09)	191	2,6	6 Certain disorders involving the immune mechanism (D80-D89)	94	2,1	6 Intestinal infectious diseases (A00-A09)	113	4,0
7 Cerebrovascular diseases (I60-I69)	185	2,5	7 Diseases of liver (K70-K77)	90	2,0	7 Cerebrovascular diseases (I60-I69)	85	3,0
8 Diseases of liver (K70-K77)	139	1,9	8 Intestinal infectious diseases (A00-A09)	78	1,7	8 Malignant neoplasms of female genital organs (C51-C58)	73	2,6
9 Diabetes mellitus (E10-E14)	113	1,5	9 Episodic and paroxysmal disorders (G40-G47)	62	1,4	9 Diabetes mellitus (E10-E14)	54	1,9
10 Episodic and paroxysmal disorders (G40-G47)	104	1,4	10 Malignant neoplasms of digestive organs (C15-C26)	60	1,3	10 Chronic lower respiratory diseases (J40-J47)	52	1,8
... Other causes	4 537	61,7	... Other causes	3 029	66,7	... Other causes	1 473	52,3
... All causes	7 357	100,0	... All causes	4 542	100,0	... All causes	2 815	100,0
Mpumalanga, Both sexes, 50-64 years		Mpumalanga, Male, 50-64 years		Mpumalanga, Female, 50-64 years				
1 Other forms of heart disease (I30-I52)	323	9,3	1 Tuberculosis (A15-A19)	231	10,9	1 Other forms of heart disease (I30-I52)	147	10,9
2 Tuberculosis (A15-A19)	285	8,2	2 Other forms of heart disease (I30-I52)	176	8,3	2 Cerebrovascular diseases (I60-I69)	137	10,1
3 Cerebrovascular diseases (I60-I69)	277	8,0	3 Cerebrovascular diseases (I60-I69)	140	6,6	3 Diabetes mellitus (E10-E14)	102	7,6
4 Diabetes mellitus (E10-E14)	188	5,4	4 Chronic lower respiratory diseases (J40-J47)	107	5,0	4 Hypertensive diseases (I10-I15)	78	5,8
5 Chronic lower respiratory diseases (J40-J47)	163	4,7	5 Influenza and pneumonia (J10-J18)	101	4,7	5 Malignant neoplasms of female genital organs (C51-C58)	61	4,5
6 Influenza and pneumonia (J10-J18)	152	4,4	6 Ischaemic heart diseases (I20-I25)	96	4,5	6 Chronic lower respiratory diseases (J40-J47)	56	4,1
7 Malignant neoplasms of digestive organs (C15-C26)	146	4,2	7 Malignant neoplasms of digestive organs (C15-C26)	96	4,5	7 Tuberculosis (A15-A19)	54	4,0
8 Hypertensive diseases (I10-I15)	145	4,2	8 Diabetes mellitus (E10-E14)	86	4,0	8 Influenza and pneumonia (J10-J18)	51	3,8
9 Ischaemic heart diseases (I20-I25)	129	3,7	9 Hypertensive diseases (I10-I15)	67	3,1	9 Malignant neoplasms of digestive organs (C15-C26)	50	3,7
10 Diseases of liver (K70-K77)	100	2,9	10 Diseases of liver (K70-K77)	62	2,9	10 Diseases of liver (K70-K77)	38	2,8
... Other causes	1 570	45,1	... Other causes	966	45,4	... Other causes	576	42,7
... All causes	3 478	100,0	... All causes	2 128	100,0	... All causes	1 350	100,0
Mpumalanga, Both sexes, 65 years and above		Mpumalanga, Male, 65 years and above		Mpumalanga, Female, 65 years and above				
1 Other forms of heart disease (I30-I52)	757	13,0	1 Other forms of heart disease (I30-I52)	369	12,7	1 Other forms of heart disease (I30-I52)	388	13,3
2 Cerebrovascular diseases (I60-I69)	558	9,6	2 Cerebrovascular diseases (I60-I69)	229	7,9	2 Cerebrovascular diseases (I60-I69)	329	11,2
3 Diabetes mellitus (E10-E14)	322	5,5	3 Chronic lower respiratory diseases (J40-J47)	194	6,7	3 Diabetes mellitus (E10-E14)	209	7,1
4 Hypertensive diseases (I10-I15)	302	5,2	4 Tuberculosis (A15-A19)	141	4,9	4 Hypertensive diseases (I10-I15)	187	6,4
5 Chronic lower respiratory diseases (J40-J47)	294	5,0	5 Influenza and pneumonia (J10-J18)	135	4,7	5 Ischaemic heart diseases (I20-I25)	113	3,9
6 Influenza and pneumonia (J10-J18)	242	4,2	6 Ischaemic heart diseases (I20-I25)	120	4,1	6 Influenza and pneumonia (J10-J18)	107	3,7
7 Ischaemic heart diseases (I20-I25)	233	4,0	7 Hypertensive diseases (I10-I15)	115	4,0	7 Chronic lower respiratory diseases (J40-J47)	100	3,4
8 Tuberculosis (A15-A19)	181	3,1	8 Diabetes mellitus (E10-E14)	113	3,9	8 Intestinal infectious diseases (A00-A09)	82	2,8
9 Malignant neoplasms of digestive organs (C15-C26)	176	3,0	9 Malignant neoplasms of digestive organs (C15-C26)	105	3,6	9 Malignant neoplasms of digestive organs (C15-C26)	71	2,4
10 Intestinal infectious diseases (A00-A09)	132	2,3	10 Diseases of liver (K70-K77)	76	2,6	10 Malignant neoplasms of female genital organs (C51-C58)	53	1,8
... Other causes	2 631	45,1	... Other causes	1 303	44,9	... Other causes	1 289	44,0
... All causes	5 828	100,0	... All causes	2 900	100,0	... All causes	2 928	100,0

Excluding a total of 472 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 1997

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages				
No.	%	No.	%	No.	%			
1 Other forms of heart disease (I30-I52)	1 393	6,4	1 Tuberculosis (A15-A19)	811	6,9	1 Other forms of heart disease (I30-I52)	736	7,3
2 Cerebrovascular diseases (I60-I69)	1 203	5,5	2 Other forms of heart disease (I30-I52)	657	5,6	2 Cerebrovascular diseases (I60-I69)	666	6,6
3 Tuberculosis (A15-A19)	1 195	5,4	3 Influenza and pneumonia (J10-J18)	564	4,8	3 Diabetes mellitus (E10-E14)	422	4,2
4 Influenza and pneumonia (J10-J18)	986	4,5	4 Cerebrovascular diseases (I60-I69)	537	4,5	4 Influenza and pneumonia (J10-J18)	422	4,2
5 Diabetes mellitus (E10-E14)	774	3,5	5 Ischaemic heart diseases (I20-I25)	386	3,3	5 Tuberculosis (A15-A19)	384	3,8
6 Intestinal infectious diseases (A00-A09)	729	3,3	6 Chronic lower respiratory diseases (J40-J47)	359	3,0	6 Intestinal infectious diseases (A00-A09)	381	3,8
7 Ischaemic heart diseases (I20-I25)	703	3,2	7 Diabetes mellitus (E10-E14)	352	3,0	7 Hypertensive diseases (I10-I15)	375	3,7
8 Hypertensive diseases (I10-I15)	670	3,1	8 Intestinal infectious diseases (A00-A09)	348	2,9	8 Ischaemic heart diseases (I20-I25)	317	3,1
9 Chronic lower respiratory diseases (J40-J47)	576	2,6	9 Malignant neoplasms of digestive organs (C15-C26)	328	2,8	9 Malignant neoplasms of female genital organs (C51-C58)	219	2,2
10 Malignant neoplasms of digestive organs (C15-C26)	509	2,3	10 Diseases of liver (K70-K77)	320	2,7	10 Chronic lower respiratory diseases (J40-J47)	217	2,1
... Other causes	13 192	60,2	... Other causes	7 157	60,6	... Other causes	5 972	59,1
... All causes	21 930	100,0	... All causes	11 819	100,0	... All causes	10 111	100,0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	298	13,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	152	12,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	146	14,2
2 Digestive system disorders of foetus and newborn (P75-P78)	223	9,9	2 Digestive system disorders of foetus and newborn (P75-P78)	122	10,0	2 Digestive system disorders of foetus and newborn (P75-P78)	101	9,8
3 Intestinal infectious diseases (A00-A09)	194	8,6	3 Intestinal infectious diseases (A00-A09)	104	8,5	3 Intestinal infectious diseases (A00-A09)	90	8,7
4 Malnutrition (E40-E46)	110	4,9	4 Malnutrition (E40-E46)	64	5,2	4 Influenza and pneumonia (J10-J18)	57	5,5
5 Influenza and pneumonia (J10-J18)	99	4,4	5 Influenza and pneumonia (J10-J18)	42	3,4	5 Malnutrition (E40-E46)	46	4,5
6 Other disorders originating in the perinatal period (P90-P96)	80	3,6	6 Other disorders originating in the perinatal period (P90-P96)	38	3,1	6 Other disorders originating in the perinatal period (P90-P96)	42	4,1
7 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	62	2,8	7 Disorders related to length of gestation and foetal growth (P05-P08)	37	3,0	7 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	29	2,8
8 Disorders related to length of gestation and foetal growth (P05-P08)	58	2,6	8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	33	2,7	8 Inflammatory diseases of the central nervous system (G00-G09)	22	2,1
9 Infections specific to the perinatal period (P35-P39)	46	2,0	9 Infections specific to the perinatal period (P35-P39)	29	2,4	9 Disorders related to length of gestation and foetal growth (P05-P08)	21	2,0
10 Inflammatory diseases of the central nervous system (G00-G09)	40	1,8	10 Complications of medical and surgical care (Y40-Y84)	20	1,6	10 Infections specific to the perinatal period (P35-P39)	17	1,6
... Other causes	1 041	46,2	... Other causes	579	47,5	... Other causes	480	44,6
... All causes	2 251	100,0	... All causes	1 220	100,0	... All causes	1 031	100,0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years				
1 Tuberculosis (A15-A19)	619	9,2	1 Tuberculosis (A15-A19)	381	9,5	1 Tuberculosis (A15-A19)	238	8,8
2 Influenza and pneumonia (J10-J18)	363	5,4	2 Influenza and pneumonia (J10-J18)	190	4,7	2 Influenza and pneumonia (J10-J18)	173	6,4
3 Other forms of heart disease (I30-I52)	261	3,9	3 Other forms of heart disease (I30-I52)	127	3,2	3 Other forms of heart disease (I30-I52)	134	4,9
4 Human immunodeficiency virus [HIV] disease (B20-B24)	238	3,5	4 Human immunodeficiency virus [HIV] disease (B20-B24)	115	2,9	4 Human immunodeficiency virus [HIV] disease (B20-B24)	123	4,5
5 Intestinal infectious diseases (A00-A09)	202	3,0	5 Cerebrovascular diseases (I60-I69)	103	2,6	5 Intestinal infectious diseases (A00-A09)	106	3,9
6 Cerebrovascular diseases (I60-I69)	176	2,6	6 Intestinal infectious diseases (A00-A09)	96	2,4	6 Certain disorders involving the immune mechanism (D80-D89)	88	3,2
7 Certain disorders involving the immune mechanism (D80-D89)	157	2,3	7 Diseases of liver (K70-K77)	92	2,3	7 Cerebrovascular diseases (I60-I69)	73	2,7
8 Hypertensive diseases (I10-I15)	132	2,0	8 Episodic and paroxysmal disorders (G40-G47)	78	1,9	8 Malignant neoplasms of female genital organs (C51-C58)	72	2,6
9 Diseases of liver (K70-K77)	131	1,9	9 Malignant neoplasms of digestive organs (C15-C26)	77	1,9	9 Hypertensive diseases (I10-I15)	66	2,4
10 Diabetes mellitus (E10-E14)	130	1,9	10 Diabetes mellitus (E10-E14)	74	1,8	10 Chronic lower respiratory diseases (J40-J47)	66	2,4
... Other causes	4 324	64,2	... Other causes	2 681	66,8	... Other causes	1 580	58,1
... All causes	6 733	100,0	... All causes	4 014	100,0	... All causes	2 719	100,0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years				
1 Other forms of heart disease (I30-I52)	293	7,4	1 Tuberculosis (A15-A19)	229	9,7	1 Diabetes mellitus (E10-E14)	136	8,5
2 Tuberculosis (A15-A19)	292	7,4	2 Other forms of heart disease (I30-I52)	166	7,0	2 Other forms of heart disease (I30-I52)	127	8,0
3 Cerebrovascular diseases (I60-I69)	251	6,3	3 Influenza and pneumonia (J10-J18)	133	5,6	3 Cerebrovascular diseases (I60-I69)	126	7,9
4 Diabetes mellitus (E10-E14)	240	6,1	4 Cerebrovascular diseases (I60-I69)	125	5,3	4 Hypertensive diseases (I10-I15)	105	6,6
5 Hypertensive diseases (I10-I15)	207	5,2	5 Ischaemic heart diseases (I20-I25)	106	4,5	5 Ischaemic heart diseases (I20-I25)	72	4,5
6 Ischaemic heart diseases (I20-I25)	178	4,5	6 Malignant neoplasms of digestive organs (C15-C26)	106	4,5	6 Malignant neoplasms of female genital organs (C51-C58)	69	4,3
7 Influenza and pneumonia (J10-J18)	172	4,3	7 Diabetes mellitus (E10-E14)	104	4,4	7 Tuberculosis (A15-A19)	63	4,0
8 Malignant neoplasms of digestive organs (C15-C26)	158	4,0	8 Chronic lower respiratory diseases (J40-J47)	104	4,4	8 Intestinal infectious diseases (A00-A09)	55	3,5
9 Chronic lower respiratory diseases (J40-J47)	149	3,8	9 Hypertensive diseases (I10-I15)	102	4,3	9 Malignant neoplasms of digestive organs (C15-C26)	52	3,3
10 Diseases of liver (K70-K77)	137	3,5	10 Diseases of liver (K70-K77)	97	4,1	10 Chronic lower respiratory diseases (J40-J47)	45	2,8
... Other causes	1 880	47,5	... Other causes	1 094	46,2	... Other causes	741	46,6
... All causes	3 957	100,0	... All causes	2 366	100,0	... All causes	1 591	100,0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	813	9,0	1 Other forms of heart disease (I30-I52)	347	8,2	1 Other forms of heart disease (I30-I52)	466	9,8
2 Cerebrovascular diseases (I60-I69)	762	8,5	2 Cerebrovascular diseases (I60-I69)	300	7,1	2 Cerebrovascular diseases (I60-I69)	482	9,7
3 Ischaemic heart diseases (I20-I25)	454	5,1	3 Ischaemic heart diseases (I20-I25)	226	5,4	3 Diabetes mellitus (E10-E14)	228	4,8
4 Diabetes mellitus (E10-E14)	399	4,4	4 Influenza and pneumonia (J10-J18)	199	4,7	4 Ischaemic heart diseases (I20-I25)	228	4,8
5 Influenza and pneumonia (J10-J18)	352	3,9	5 Chronic lower respiratory diseases (J40-J47)	196	4,6	5 Hypertensive diseases (I10-I15)	204	4,3
6 Hypertensive diseases (I10-I15)	330	3,7	6 Tuberculosis (A15-A19)	190	4,5	6 Influenza and pneumonia (J10-J18)	153	3,2
7 Chronic lower respiratory diseases (J40-J47)	301	3,3	7 Diabetes mellitus (E10-E14)	171	4,1	7 Intestinal infectious diseases (A00-A09)	130	2,7
8 Tuberculosis (A15-A19)	265	2,9	8 Malignant neoplasms of digestive organs (C15-C26)	144	3,4	8 Chronic lower respiratory diseases (J40-J47)	105	2,2
9 Intestinal infectious diseases (A00-A09)	232	2,6	9 Hypertensive diseases (I10-I15)	126	3,0	9 Malignant neoplasms of digestive organs (C15-C26)	82	1,7
10 Malignant neoplasms of digestive organs (C15-C26)	226	2,5	10 Diseases of liver (K70-K77)	121	2,9	10 Diseases of liver (K70-K77)	79	1,7
... Other causes	4 855	54,0	... Other causes	2 199	52,1	... Other causes	2 633	55,2
... All causes	8 989	100,0	... All causes	4 219	100,0	... All causes	4 770	100,0

Excluding a total of 356 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 1998

All provinces, both sexes, all ages		All provinces, male, all ages		All provinces, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	27 898	7.8	1 Tuberculosis (A15-A19)	17 319	8.8	1 Other forms of heart disease (I30-I52)	11 210	7.0
2 Other forms of heart disease (I30-I52)	21 490	6.0	2 Other forms of heart disease (I30-I52)	10 280	5.2	2 Tuberculosis (A15-A19)	10 579	6.6
3 Cerebrovascular diseases (I60-I69)	18 493	5.2	3 Influenza and pneumonia (J10-J18)	8 305	4.2	3 Cerebrovascular diseases (I60-I69)	10 375	6.4
4 Influenza and pneumonia (J10-J18)	16 682	4.7	4 Cerebrovascular diseases (I60-I69)	8 118	4.1	4 Influenza and pneumonia (J10-J18)	8 377	5.2
5 Chronic lower respiratory diseases (J40-J47)	13 057	3.6	5 Chronic lower respiratory diseases (J40-J47)	7 781	3.9	5 Diabetes mellitus (E10-E14)	7 345	4.6
6 Diabetes mellitus (E10-E14)	12 203	3.4	6 Ischaemic heart diseases (I20-I25)	6 274	3.2	6 Hypertensive diseases (I10-I15)	5 324	3.3
7 Ischaemic heart diseases (I20-I25)	10 641	3.0	7 Malignant neoplasms of digestive organs (C15-C26)	5 533	2.8	7 Chronic lower respiratory diseases (J40-J47)	5 276	3.3
8 Malignant neoplasms of digestive organs (C15-C26)	9 065	2.5	8 Diabetes mellitus (E10-E14)	4 858	2.5	8 Intestinal infectious diseases (A00-A09)	4 722	2.9
9 Hypertensive diseases (I10-I15)	8 682	2.4	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	4 053	2.1	9 Ischaemic heart diseases (I20-I25)	4 367	2.7
10 Intestinal infectious diseases (A00-A09)	8 529	2.4	10 Intestinal infectious diseases (A00-A09)	3 807	1.9	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	3 628	2.3
... Other causes	211 371	59.0	... Other causes	120 752	61.3	... Other causes	89 828	55.8
... All causes	358 111	100.0	... All causes	197 080	100.0	... All causes	161 031	100.0
All provinces, both sexes, 0-14 years		All provinces, male, 0-14 years		All provinces, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	7 681	17.6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	4 053	17.4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	3 628	17.7
2 Digestive system disorders of foetus and newborn (P75-P78)	5 877	13.5	2 Digestive system disorders of foetus and newborn (P75-P78)	3 137	13.5	2 Digestive system disorders of foetus and newborn (P75-P78)	2 740	13.4
3 Other disorders originating in the perinatal period (P90-P96)	3 842	8.8	3 Other disorders originating in the perinatal period (P90-P96)	1 995	8.6	3 Other disorders originating in the perinatal period (P90-P96)	1 847	9.0
4 Intestinal infectious diseases (A00-A09)	2 239	5.1	4 Intestinal infectious diseases (A00-A09)	1 182	5.1	4 Intestinal infectious diseases (A00-A09)	1 057	5.2
5 Disorders related to length of gestation and foetal growth (P05-P08)	1 744	4.0	5 Disorders related to length of gestation and foetal growth (P05-P08)	894	3.8	5 Disorders related to length of gestation and foetal growth (P05-P08)	850	4.2
6 Malnutrition (E40-E46)	1 494	3.4	6 Malnutrition (E40-E46)	764	3.3	6 Malnutrition (E40-E46)	730	3.6
7 Infections specific to the perinatal period (P35-P39)	1 344	3.1	7 Infections specific to the perinatal period (P35-P39)	737	3.2	7 Influenza and pneumonia (J10-J18)	622	3.0
8 Influenza and pneumonia (J10-J18)	1 176	2.7	8 Influenza and pneumonia (J10-J18)	554	2.4	8 Infections specific to the perinatal period (P35-P39)	607	3.0
9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	942	2.2	9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	507	2.2	9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	435	2.1
10 Certain disorders involving the immune mechanism (D80-D89)	870	2.0	10 Certain disorders involving the immune mechanism (D80-D89)	442	1.9	10 Certain disorders involving the immune mechanism (D80-D89)	428	2.1
... Other causes	16 484	37.7	... Other causes	8 980	38.6	... Other causes	7 504	36.7
... All causes	43 693	100.0	... All causes	23 245	100.0	... All causes	20 448	100.0
All provinces, both sexes, 15-49 years		All provinces, male, 15-49 years		All provinces, female, 15-49 years				
1 Tuberculosis (A15-A19)	18 591	13.6	1 Tuberculosis (A15-A19)	10 829	13.1	1 Tuberculosis (A15-A19)	7 762	14.5
2 Influenza and pneumonia (J10-J18)	7 351	5.4	2 Influenza and pneumonia (J10-J18)	3 606	4.4	2 Influenza and pneumonia (J10-J18)	3 745	7.0
3 Human immunodeficiency virus [HIV] disease (B20-B24)	5 812	4.3	3 Human immunodeficiency virus [HIV] disease (B20-B24)	2 896	3.5	3 Human immunodeficiency virus [HIV] disease (B20-B24)	2 916	5.5
4 Other forms of heart disease (I30-I52)	4 877	3.6	4 Other forms of heart disease (I30-I52)	2 581	3.1	4 Certain disorders involving the immune mechanism (D80-D89)	2 425	4.5
5 Certain disorders involving the immune mechanism (D80-D89)	4 249	3.1	5 Certain disorders involving the immune mechanism (D80-D89)	1 824	2.2	5 Other forms of heart disease (I30-I52)	2 296	4.3
6 Intestinal infectious diseases (A00-A09)	3 342	2.5	6 Cerebrovascular diseases (I60-I69)	1 672	2.0	6 Intestinal infectious diseases (A00-A09)	1 960	3.7
7 Cerebrovascular diseases (I60-I69)	3 177	2.3	7 Intestinal infectious diseases (A00-A09)	1 382	1.7	7 Cerebrovascular diseases (I60-I69)	1 605	2.8
8 Chronic lower respiratory diseases (J40-J47)	2 486	1.8	8 Chronic lower respiratory diseases (J40-J47)	1 377	1.7	8 Chronic lower respiratory diseases (J40-J47)	1 109	2.1
9 Diseases of liver (K70-K77)	1 840	1.4	9 Diseases of liver (K70-K77)	1 202	1.5	9 Malignant neoplasms of female genital organs (C51-C58)	928	1.7
10 Diabetes mellitus (E10-E14)	1 760	1.3	10 Malignant neoplasms of digestive organs (C15-C26)	1 117	1.3	10 Diabetes mellitus (E10-E14)	906	1.7
... Other causes	82 801	60.8	... Other causes	54 313	65.6	... Other causes	27 935	52.2
... All causes	136 286	100.0	... All causes	82 799	100.0	... All causes	53 487	100.0
All provinces, both sexes, 50-64 years		All provinces, male, 50-64 years		All provinces, female, 50-64 years				
1 Tuberculosis (A15-A19)	5 249	8.0	1 Tuberculosis (A15-A19)	3 883	9.9	1 Cerebrovascular diseases (I60-I69)	2 378	9.1
2 Cerebrovascular diseases (I60-I69)	4 708	7.2	2 Other forms of heart disease (I30-I52)	2 636	6.7	2 Diabetes mellitus (E10-E14)	2 233	8.6
3 Other forms of heart disease (I30-I52)	4 686	7.2	3 Cerebrovascular diseases (I60-I69)	2 330	5.9	3 Other forms of heart disease (I30-I52)	2 050	7.9
4 Diabetes mellitus (E10-E14)	3 980	6.1	4 Chronic lower respiratory diseases (J40-J47)	2 315	5.9	4 Tuberculosis (A15-A19)	1 366	5.2
5 Chronic lower respiratory diseases (J40-J47)	3 532	5.4	5 Malignant neoplasms of digestive organs (C15-C26)	2 031	5.2	5 Hypertensive diseases (I10-I15)	1 259	4.8
6 Malignant neoplasms of digestive organs (C15-C26)	3 069	4.7	6 Ischaemic heart diseases (I20-I25)	1 996	5.1	6 Chronic lower respiratory diseases (J40-J47)	1 217	4.7
7 Ischaemic heart diseases (I20-I25)	2 842	4.4	7 Diabetes mellitus (E10-E14)	1 747	4.5	7 Malignant neoplasms of digestive organs (C15-C26)	1 038	4.0
8 Influenza and pneumonia (J10-J18)	2 499	3.8	8 Influenza and pneumonia (J10-J18)	1 558	4.0	8 Malignant neoplasms of female genital organs (C51-C58)	1 000	3.8
9 Hypertensive diseases (I10-I15)	2 340	3.6	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 426	3.6	9 Influenza and pneumonia (J10-J18)	941	3.6
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 912	2.9	10 Hypertensive diseases (I10-I15)	1 081	2.8	10 Ischaemic heart diseases (I20-I25)	846	3.3
... Other causes	30 440	46.6	... Other causes	18 225	46.5	... Other causes	11 701	45.0
... All causes	65 257	100.0	... All causes	39 228	100.0	... All causes	26 029	100.0
All provinces, both sexes, 65 years and above		All provinces, male, 65 years and above		All provinces, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	11 508	10.2	1 Other forms of heart disease (I30-I52)	4 860	9.4	1 Other forms of heart disease (I30-I52)	6 648	10.9
2 Cerebrovascular diseases (I60-I69)	10 500	9.3	2 Cerebrovascular diseases (I60-I69)	4 061	7.8	2 Cerebrovascular diseases (I60-I69)	6 439	10.5
3 Chronic lower respiratory diseases (J40-J47)	6 913	6.1	3 Chronic lower respiratory diseases (J40-J47)	4 024	7.8	3 Diabetes mellitus (E10-E14)	4 183	6.8
4 Diabetes mellitus (E10-E14)	6 427	5.7	4 Ischaemic heart diseases (I20-I25)	3 268	6.3	4 Hypertensive diseases (I10-I15)	3 391	5.6
5 Ischaemic heart diseases (I20-I25)	6 399	5.7	5 Influenza and pneumonia (J10-J18)	2 587	5.0	5 Ischaemic heart diseases (I20-I25)	3 131	5.1
6 Influenza and pneumonia (J10-J18)	5 656	5.0	6 Malignant neoplasms of digestive organs (C15-C26)	2 375	4.6	6 Influenza and pneumonia (J10-J18)	3 069	5.0
7 Hypertensive diseases (I10-I15)	5 032	4.5	7 Tuberculosis (A15-A19)	2 296	4.4	7 Chronic lower respiratory diseases (J40-J47)	2 889	4.7
8 Malignant neoplasms of digestive organs (C15-C26)	4 265	3.8	8 Diabetes mellitus (E10-E14)	2 244	4.3	8 Malignant neoplasms of digestive organs (C15-C26)	1 890	3.1
9 Tuberculosis (A15-A19)	3 443	3.1	9 Hypertensive diseases (I10-I15)	1 641	3.2	9 Intestinal infectious diseases (A00-A09)	1 187	1.9
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	2 109	1.9	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 465	2.8	10 Tuberculosis (A15-A19)	1 147	1.9
... Other causes	50 623	44.8	... Other causes	22 987	44.4	... Other causes	27 093	44.4
... All causes	112 875	100.0	... All causes	51 808	100.0	... All causes	61 067	100.0

Excluding a total of 6 942 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 1998

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Ischaemic heart diseases (I20-I25)	2 311	6,5	1 Tuberculosis (A15-A19)	1 430	7,0	1 Diabetes mellitus (E10-E14)	1 259	8,2
2 Cerebrovascular diseases (I60-I69)	2 227	6,2	2 Ischaemic heart diseases (I20-I25)	1 295	6,3	2 Cerebrovascular diseases (I60-I69)	1 222	8,0
3 Tuberculosis (A15-A19)	2 176	6,1	3 Cerebrovascular diseases (I60-I69)	1 005	4,9	3 Ischaemic heart diseases (I20-I25)	1 016	6,7
4 Diabetes mellitus (E10-E14)	2 019	5,6	4 Chronic lower respiratory diseases (J40-J47)	989	4,8	4 Other forms of heart disease (I30-I52)	948	6,2
5 Other forms of heart disease (I30-I52)	1 796	5,0	5 Other forms of heart disease (I30-I52)	848	4,1	5 Tuberculosis (A15-A19)	746	4,9
6 Chronic lower respiratory diseases (J40-J47)	1 574	4,4	6 Malignant neoplasms of digestive organs (C15-C26)	820	4,0	6 Chronic lower respiratory diseases (J40-J47)	585	3,8
7 Malignant neoplasms of digestive organs (C15-C26)	1 358	3,8	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	791	3,9	7 Malignant neoplasms of digestive organs (C15-C26)	538	3,5
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 154	3,2	8 Diabetes mellitus (E10-E14)	760	3,7	8 Hypertensive diseases (I10-I15)	481	3,1
9 Influenza and pneumonia (J10-J18)	836	2,3	9 Influenza and pneumonia (J10-J18)	409	2,0	9 Influenza and pneumonia (J10-J18)	427	2,8
10 Hypertensive diseases (I10-I15)	784	2,2	10 Hypertensive diseases (I10-I15)	303	1,5	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	363	2,4
... Other causes	19 508	54,6	... Other causes	11 818	57,7	... Other causes	7 690	50,3
... All causes	35 743	100,0	... All causes	20 468	100,0	... All causes	15 275	100,0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	454	14,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	254	15,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	200	14,4
2 Other disorders originating in the perinatal period (P90-P96)	324	10,5	2 Digestive system disorders of foetus and newborn (P75-P78)	175	10,4	2 Other disorders originating in the perinatal period (P90-P96)	173	12,5
3 Digestive system disorders of foetus and newborn (P75-P78)	313	10,2	3 Other disorders originating in the perinatal period (P90-P96)	151	9,0	3 Digestive system disorders of foetus and newborn (P75-P78)	138	9,9
4 Disorders related to length of gestation and foetal growth (P05-P08)	138	4,5	4 Disorders related to length of gestation and foetal growth (P05-P08)	71	4,2	4 Disorders related to length of gestation and foetal growth (P05-P08)	67	4,8
5 Infections specific to the perinatal period (P35-P39)	109	3,5	5 Infections specific to the perinatal period (P35-P39)	60	3,6	5 Infections specific to the perinatal period (P35-P39)	49	3,5
6 Human immunodeficiency virus [HIV] disease (B20-B24)	80	2,6	6 Intestinal infectious diseases (A00-A09)	42	2,5	6 Human immunodeficiency virus [HIV] disease (B20-B24)	39	2,8
7 Intestinal infectious diseases (A00-A09)	64	2,1	7 Human immunodeficiency virus [HIV] disease (B20-B24)	41	2,4	7 Congenital malformations of the circulatory system (Q20-Q28)	30	2,2
8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	60	2,0	8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	35	2,1	8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	25	1,8
9 Congenital malformations of the circulatory system (Q20-Q28)	60	2,0	9 Congenital malformations of the circulatory system (Q20-Q28)	30	1,8	9 Malnutrition (E40-E46)	24	1,7
10 Malnutrition (E40-E46)	42	1,4	10 Tuberculosis (A15-A19)	27	1,6	10 Intestinal infectious diseases (A00-A09)	22	1,6
... Other causes	1 430	46,5	... Other causes	800	47,4	... Other causes	621	44,7
... All causes	3 074	100,0	... All causes	1 686	100,0	... All causes	1 388	100,0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	1 346	11,3	1 Tuberculosis (A15-A19)	838	10,5	1 Tuberculosis (A15-A19)	508	13,1
2 Human immunodeficiency virus [HIV] disease (B20-B24)	498	4,2	2 Human immunodeficiency virus [HIV] disease (B20-B24)	223	2,8	2 Human immunodeficiency virus [HIV] disease (B20-B24)	275	7,1
3 Cerebrovascular diseases (I60-I69)	325	2,7	3 Cerebrovascular diseases (I60-I69)	168	2,1	3 Cerebrovascular diseases (I60-I69)	157	4,0
4 Other forms of heart disease (I30-I52)	270	2,3	4 Ischaemic heart diseases (I20-I25)	162	2,0	4 Other forms of heart disease (I30-I52)	117	3,0
5 Ischaemic heart diseases (I20-I25)	227	1,9	5 Other forms of heart disease (I30-I52)	153	1,9	5 Malignant neoplasms of female genital organs (C51-C58)	94	2,4
6 Malignant neoplasms of digestive organs (C15-C26)	212	1,8	6 Malignant neoplasms of digestive organs (C15-C26)	138	1,7	6 Diabetes mellitus (E10-E14)	92	2,4
7 Chronic lower respiratory diseases (J40-J47)	196	1,6	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	130	1,6	7 Chronic lower respiratory diseases (J40-J47)	88	2,3
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	188	1,6	8 Influenza and pneumonia (J10-J18)	111	1,4	8 Malignant neoplasms of breast (C50)	84	2,2
9 Influenza and pneumonia (J10-J18)	185	1,6	9 Chronic lower respiratory diseases (J40-J47)	108	1,3	9 Influenza and pneumonia (J10-J18)	74	1,9
10 Diabetes mellitus (E10-E14)	180	1,5	10 Diabetes mellitus (E10-E14)	88	1,1	10 Malignant neoplasms of digestive organs (C15-C26)	74	1,9
... Other causes	8 284	69,5	... Other causes	5 900	73,6	... Other causes	2 329	59,8
... All causes	11 911	100,0	... All causes	8 019	100,0	... All causes	3 892	100,0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years				
1 Diabetes mellitus (E10-E14)	651	8,7	1 Ischaemic heart diseases (I20-I25)	425	9,5	1 Diabetes mellitus (E10-E14)	365	12,3
2 Ischaemic heart diseases (I20-I25)	632	8,5	2 Tuberculosis (A15-A19)	367	8,2	2 Cerebrovascular diseases (I60-I69)	270	9,1
3 Cerebrovascular diseases (I60-I69)	540	7,2	3 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	320	7,1	3 Ischaemic heart diseases (I20-I25)	207	7,0
4 Tuberculosis (A15-A19)	505	6,8	4 Chronic lower respiratory diseases (J40-J47)	307	6,8	4 Other forms of heart disease (I30-I52)	177	6,0
5 Chronic lower respiratory diseases (J40-J47)	452	6,1	5 Diabetes mellitus (E10-E14)	286	6,4	5 Malignant neoplasms of digestive organs (C15-C26)	158	5,3
6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	448	6,0	6 Malignant neoplasms of digestive organs (C15-C26)	284	6,3	6 Chronic lower respiratory diseases (J40-J47)	145	4,9
7 Malignant neoplasms of digestive organs (C15-C26)	442	5,9	7 Cerebrovascular diseases (I60-I69)	270	6,0	7 Tuberculosis (A15-A19)	138	4,7
8 Other forms of heart disease (I30-I52)	385	5,2	8 Other forms of heart disease (I30-I52)	208	4,6	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	128	4,3
9 Hypertensive diseases (I10-I15)	205	2,8	9 Hypertensive diseases (I10-I15)	94	2,1	9 Malignant neoplasms of breast (C50)	115	3,9
10 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	159	2,1	10 Diseases of liver (K70-K77)	92	2,0	10 Malignant neoplasms of female genital organs (C51-C58)	112	3,8
... Other causes	3 034	40,7	... Other causes	1 835	40,9	... Other causes	1 150	38,8
... All causes	7 453	100,0	... All causes	4 488	100,0	... All causes	2 965	100,0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above				
1 Ischaemic heart diseases (I20-I25)	1 450	10,9	1 Ischaemic heart diseases (I20-I25)	706	11,3	1 Diabetes mellitus (E10-E14)	798	11,4
2 Cerebrovascular diseases (I60-I69)	1 354	10,2	2 Chronic lower respiratory diseases (J40-J47)	571	9,1	2 Cerebrovascular diseases (I60-I69)	790	11,2
3 Diabetes mellitus (E10-E14)	1 184	8,9	3 Cerebrovascular diseases (I60-I69)	564	9,0	3 Ischaemic heart diseases (I20-I25)	744	10,6
4 Other forms of heart disease (I30-I52)	1 102	8,3	4 Other forms of heart disease (I30-I52)	464	7,4	4 Other forms of heart disease (I30-I52)	638	9,1
5 Chronic lower respiratory diseases (J40-J47)	918	6,9	5 Malignant neoplasms of digestive organs (C15-C26)	398	6,3	5 Chronic lower respiratory diseases (J40-J47)	347	4,9
6 Malignant neoplasms of digestive organs (C15-C26)	701	5,3	6 Diabetes mellitus (E10-E14)	386	6,2	6 Hypertensive diseases (I10-I15)	326	4,6
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	517	3,9	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	340	5,4	7 Malignant neoplasms of digestive organs (C15-C26)	303	4,3
8 Influenza and pneumonia (J10-J18)	478	3,6	8 Malignant neoplasms of male genital organs (C60-C63)	223	3,6	8 Influenza and pneumonia (J10-J18)	280	4,0
9 Hypertensive diseases (I10-I15)	473	3,6	9 Tuberculosis (A15-A19)	198	3,2	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	177	2,5
10 Tuberculosis (A15-A19)	287	2,2	10 Influenza and pneumonia (J10-J18)	198	3,2	10 Diseases of arteries, arterioles and capillaries (I70-I79)	145	2,1
... Other causes	4 841	36,4	... Other causes	2 227	35,5	... Other causes	2 482	35,3
... All causes	13 305	100,0	... All causes	6 275	100,0	... All causes	7 030	100,0

Excluding a total of 421 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 1998

Eastern Cape, both sexes, all ages		Eastern Cape, male, all ages		Eastern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	4 954	9,9	1 Tuberculosis (A15-A19)	2 950	11,0	1 Tuberculosis (A15-A19)	2 004	8,6
2 Chronic lower respiratory diseases (J40-J47)	2 865	5,7	2 Chronic lower respiratory diseases (J40-J47)	1 598	6,0	2 Other forms of heart disease (I30-I52)	1 525	6,6
3 Other forms of heart disease (I30-I52)	2 742	5,5	3 Other forms of heart disease (I30-I52)	1 217	4,5	3 Cerebrovascular diseases (I60-I69)	1 494	6,4
4 Cerebrovascular diseases (I60-I69)	2 682	5,4	4 Cerebrovascular diseases (I60-I69)	1 188	4,4	4 Chronic lower respiratory diseases (J40-J47)	1 267	5,4
5 Malignant neoplasms of digestive organs (C15-C26)	1 717	3,4	5 Malignant neoplasms of digestive organs (C15-C26)	950	3,5	5 Diabetes mellitus (E10-E14)	1 020	4,4
6 Diabetes mellitus (E10-E14)	1 604	3,2	6 Influenza and pneumonia (J10-J18)	754	2,8	6 Hypertensive diseases (I10-I15)	807	3,5
7 Influenza and pneumonia (J10-J18)	1 544	3,1	7 Ischaemic heart diseases (I20-I25)	588	2,2	7 Influenza and pneumonia (J10-J18)	790	3,4
8 Hypertensive diseases (I10-I15)	1 291	2,6	8 Diabetes mellitus (E10-E14)	584	2,2	8 Malignant neoplasms of digestive organs (C15-C26)	767	3,3
9 Ischaemic heart diseases (I20-I25)	1 039	2,1	9 Hypertensive diseases (I10-I15)	484	1,8	9 Intestinal infectious diseases (A00-A09)	537	2,3
10 Intestinal infectious diseases (A00-A09)	967	1,9	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	468	1,7	10 Ischaemic heart diseases (I20-I25)	451	1,9
... Other causes	28 632	57,2	... Other causes	16 003	59,7	... Other causes	12 591	54,1
... All causes	50 037	100,0	... All causes	26 784	100,0	... All causes	23 253	100,0
Eastern Cape, both sexes, 0-14 years		Eastern Cape, male, 0-14 years		Eastern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	625	14,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	344	14,9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	281	13,4
2 Digestive system disorders of foetus and newborn (P75-P78)	514	11,6	2 Digestive system disorders of foetus and newborn (P75-P78)	247	10,7	2 Digestive system disorders of foetus and newborn (P75-P78)	267	12,7
3 Other disorders originating in the perinatal period (P90-P96)	409	9,3	3 Other disorders originating in the perinatal period (P90-P96)	176	7,6	3 Other disorders originating in the perinatal period (P90-P96)	233	11,1
4 Intestinal infectious diseases (A00-A09)	173	3,9	4 Intestinal infectious diseases (A00-A09)	94	4,1	4 Intestinal infectious diseases (A00-A09)	79	3,8
5 Malnutrition (E40-E46)	128	2,9	5 Malnutrition (E40-E46)	71	3,1	5 Malnutrition (E40-E46)	57	2,7
6 Disorders related to length of gestation and foetal growth (P05-P08)	128	2,9	6 Disorders related to length of gestation and foetal growth (P05-P08)	71	3,1	6 Disorders related to length of gestation and foetal growth (P05-P08)	57	2,7
7 Infections specific to the perinatal period (P35-P39)	110	2,5	7 Infections specific to the perinatal period (P35-P39)	58	2,5	7 Infections specific to the perinatal period (P35-P39)	52	2,5
8 Influenza and pneumonia (J10-J18)	102	2,3	8 Influenza and pneumonia (J10-J18)	54	2,3	8 Influenza and pneumonia (J10-J18)	48	2,3
9 Tuberculosis (A15-A19)	95	2,2	9 Tuberculosis (A15-A19)	50	2,2	9 Tuberculosis (A15-A19)	45	2,1
10 Foetus & newborn affected by matern. factors & complic. of preg., lab & delivery (P00-P04)	76	1,7	10 Inflammatory diseases of the central nervous system (G00-G09)	36	1,5	10 Foetus & newborn affected by matern. factors & complic. of preg., lab & delivery (P00-P04)	43	2,0
... Other causes	2 057	46,6	... Other causes	1 112	48,1	... Other causes	942	44,8
... All causes	4 417	100,0	... All causes	2 313	100,0	... All causes	2 104	100,0
Eastern Cape, both sexes, 15-49 years		Eastern Cape, male, 15-49 years		Eastern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	2 658	15,4	1 Tuberculosis (A15-A19)	1 481	14,4	1 Tuberculosis (A15-A19)	1 177	16,8
2 Human immunodeficiency virus [HIV] disease (B20-B24)	589	3,4	2 Influenza and pneumonia (J10-J18)	269	2,6	2 Human immunodeficiency virus [HIV] disease (B20-B24)	341	4,9
3 Influenza and pneumonia (J10-J18)	568	3,3	3 Human immunodeficiency virus [HIV] disease (B20-B24)	248	2,4	3 Influenza and pneumonia (J10-J18)	299	4,3
4 Other forms of heart disease (I30-I52)	505	2,9	4 Other forms of heart disease (I30-I52)	239	2,3	4 Other forms of heart disease (I30-I52)	266	3,8
5 Cerebrovascular diseases (I60-I69)	412	2,4	5 Chronic lower respiratory diseases (J40-J47)	233	2,3	5 Certain disorders involving the immune mechanism (D80-D89)	240	3,4
6 Chronic lower respiratory diseases (J40-J47)	405	2,3	6 Cerebrovascular diseases (I60-I69)	230	2,2	6 Intestinal infectious diseases (A00-A09)	219	3,1
7 Certain disorders involving the immune mechanism (D80-D89)	381	2,2	7 Episodic and paroxysmal disorders (G40-G47)	167	1,6	7 Cerebrovascular diseases (I60-I69)	182	2,6
8 Intestinal infectious diseases (A00-A09)	366	2,1	8 Malignant neoplasms of digestive organs (C15-C26)	164	1,6	8 Chronic lower respiratory diseases (J40-J47)	172	2,5
9 Malignant neoplasms of digestive organs (C15-C26)	289	1,7	9 Diseases of liver (K70-K77)	152	1,5	9 Diabetes mellitus (E10-E14)	131	1,9
10 Episodic and paroxysmal disorders (G40-G47)	262	1,5	10 Intestinal infectious diseases (A00-A09)	147	1,4	10 Malignant neoplasms of digestive organs (C15-C26)	125	1,8
... Other causes	10 814	62,7	... Other causes	6 927	67,5	... Other causes	3 840	54,9
... All causes	17 249	100,0	... All causes	10 257	100,0	... All causes	6 992	100,0
Eastern Cape, both sexes, 50-64 years		Eastern Cape, male, 50-64 years		Eastern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 138	11,6	1 Tuberculosis (A15-A19)	789	13,9	1 Tuberculosis (A15-A19)	349	8,5
2 Chronic lower respiratory diseases (J40-J47)	765	7,8	2 Chronic lower respiratory diseases (J40-J47)	474	8,3	2 Cerebrovascular diseases (I60-I69)	316	7,7
3 Cerebrovascular diseases (I60-I69)	622	6,4	3 Malignant neoplasms of digestive organs (C15-C26)	332	5,8	3 Diabetes mellitus (E10-E14)	313	7,6
4 Other forms of heart disease (I30-I52)	580	5,9	4 Cerebrovascular diseases (I60-I69)	306	5,4	4 Chronic lower respiratory diseases (J40-J47)	291	7,1
5 Malignant neoplasms of digestive organs (C15-C26)	554	5,7	5 Other forms of heart disease (I30-I52)	301	5,3	5 Other forms of heart disease (I30-I52)	279	6,8
6 Diabetes mellitus (E10-E14)	505	5,2	6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	194	3,4	6 Malignant neoplasms of digestive organs (C15-C26)	222	5,4
7 Hypertensive diseases (I10-I15)	318	3,3	7 Diabetes mellitus (E10-E14)	192	3,4	7 Hypertensive diseases (I10-I15)	185	4,5
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	305	3,1	8 Ischaemic heart diseases (I20-I25)	179	3,1	8 Malignant neoplasms of female genital organs (C51-C58)	128	3,1
9 Ischaemic heart diseases (I20-I25)	277	2,8	9 Influenza and pneumonia (J10-J18)	153	2,7	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	111	2,7
10 Influenza and pneumonia (J10-J18)	247	2,5	10 Hypertensive diseases (I10-I15)	133	2,3	10 Ischaemic heart diseases (I20-I25)	98	2,4
... Other causes	4 470	45,7	... Other causes	2 633	46,3	... Other causes	1 803	44,0
... All causes	9 781	100,0	... All causes	5 686	100,0	... All causes	4 095	100,0
Eastern Cape, both sexes, 65 years and above		Eastern Cape, male, 65 years and above		Eastern Cape, female, 65 years and above				
1 Chronic lower respiratory diseases (J40-J47)	1 677	9,0	1 Chronic lower respiratory diseases (J40-J47)	879	10,3	1 Cerebrovascular diseases (I60-I69)	987	9,8
2 Cerebrovascular diseases (I60-I69)	1 628	8,8	2 Other forms of heart disease (I30-I52)	660	7,7	2 Other forms of heart disease (I30-I52)	962	9,6
3 Other forms of heart disease (I30-I52)	1 622	8,7	3 Cerebrovascular diseases (I60-I69)	641	7,5	3 Chronic lower respiratory diseases (J40-J47)	798	7,9
4 Tuberculosis (A15-A19)	1 063	5,7	4 Tuberculosis (A15-A19)	630	7,4	4 Diabetes mellitus (E10-E14)	574	5,7
5 Diabetes mellitus (E10-E14)	878	4,7	5 Malignant neoplasms of digestive organs (C15-C26)	454	5,3	5 Hypertensive diseases (I10-I15)	524	5,2
6 Malignant neoplasms of digestive organs (C15-C26)	873	4,7	6 Ischaemic heart diseases (I20-I25)	315	3,7	6 Tuberculosis (A15-A19)	433	4,3
7 Hypertensive diseases (I10-I15)	796	4,3	7 Diabetes mellitus (E10-E14)	304	3,6	7 Malignant neoplasms of digestive organs (C15-C26)	419	4,2
8 Ischaemic heart diseases (I20-I25)	633	3,4	8 Influenza and pneumonia (J10-J18)	278	3,3	8 Influenza and pneumonia (J10-J18)	349	3,5
9 Influenza and pneumonia (J10-J18)	627	3,4	9 Hypertensive diseases (I10-I15)	272	3,2	9 Ischaemic heart diseases (I20-I25)	318	3,2
10 Intestinal infectious diseases (A00-A09)	300	1,6	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	184	2,2	10 Intestinal infectious diseases (A00-A09)	177	1,8
... Other causes	8 493	45,7	... Other causes	3 911	45,9	... Other causes	4 521	44,9
... All causes	18 590	100,0	... All causes	8 528	100,0	... All causes	10 062	100,0

Excluding a total of 808 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 1998

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	858 9,2	1 Tuberculosis (A15-A19)	532 10,3	1 Tuberculosis (A15-A19)	326 7,9
2 Other forms of heart disease (I30-I52)	568 6,1	2 Other forms of heart disease (I30-I52)	276 5,4	2 Cerebrovascular diseases (I60-I69)	315 7,6
3 Cerebrovascular diseases (I60-I69)	547 5,9	3 Ischaemic heart diseases (I20-I25)	250 4,9	3 Other forms of heart disease (I30-I52)	292 7,1
4 Influenza and pneumonia (J10-J18)	409 4,4	4 Chronic lower respiratory diseases (J40-J47)	249 4,8	4 Influenza and pneumonia (J10-J18)	208 5,0
5 Ischaemic heart diseases (I20-I25)	404 4,4	5 Cerebrovascular diseases (I60-I69)	232 4,5	5 Diabetes mellitus (E10-E14)	161 3,9
6 Chronic lower respiratory diseases (J40-J47)	382 4,1	6 Influenza and pneumonia (J10-J18)	201 3,9	6 Ischaemic heart diseases (I20-I25)	154 3,7
7 Malignant neoplasms of digestive organs (C15-C26)	302 3,3	7 Malignant neoplasms of digestive organs (C15-C26)	177 3,4	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	134 3,2
8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	253 2,7	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	142 2,8	8 Chronic lower respiratory diseases (J40-J47)	133 3,2
9 Diabetes mellitus (E10-E14)	246 2,7	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	119 2,3	9 Malignant neoplasms of digestive organs (C15-C26)	125 3,0
10 Hypertensive diseases (I10-I15)	199 2,1	10 Digestive system disorders of foetus and newborn (P75-P78)	108 2,1	10 Hypertensive diseases (I10-I15)	123 3,0
... Other causes	5 114 55,1	... Other causes	2 864 55,6	... Other causes	2 161 52,3
... All causes	9 282 100,0	... All causes	5 150 100,0	... All causes	4 132 100,0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	253 21,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	119 19,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	134 24,4
2 Digestive system disorders of foetus and newborn (P75-P78)	175 15,1	2 Digestive system disorders of foetus and newborn (P75-P78)	108 17,8	2 Digestive system disorders of foetus and newborn (P75-P78)	67 12,2
3 Disorders related to length of gestation and foetal growth (P05-P08)	86 7,4	3 Disorders related to length of gestation and foetal growth (P05-P08)	44 7,2	3 Disorders related to length of gestation and foetal growth (P05-P08)	42 7,6
4 Malnutrition (E40-E46)	53 4,6	4 Malnutrition (E40-E46)	28 4,6	4 Malnutrition (E40-E46)	25 4,5
5 Other disorders originating in the perinatal period (P90-P96)	53 4,6	5 Other disorders originating in the perinatal period (P90-P96)	28 4,6	5 Other disorders originating in the perinatal period (P90-P96)	25 4,5
6 Intestinal infectious diseases (A00-A09)	45 3,9	6 Intestinal infectious diseases (A00-A09)	27 4,4	6 Intestinal infectious diseases (A00-A09)	18 3,3
7 Infections specific to the perinatal period (P35-P39)	32 2,8	7 Infections specific to the perinatal period (P35-P39)	16 2,6	7 Infections specific to the perinatal period (P35-P39)	16 2,9
8 Inflammatory diseases of the central nervous system (G00-G09)	20 1,7	8 Inflammatory diseases of the central nervous system (G00-G09)	8 1,3	8 Inflammatory diseases of the central nervous system (G00-G09)	12 2,2
9 Influenza and pneumonia (J10-J18)	18 1,6	9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	8 1,3	9 Influenza and pneumonia (J10-J18)	12 2,2
10 Human immunodeficiency virus [HIV] disease (B20-B24)	18 1,6	10 Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	8 1,3	10 Human immunodeficiency virus [HIV] disease (B20-B24)	12 2,2
... Other causes	405 35,0	... Other causes	214 35,2	... Other causes	187 34,0
... All causes	1 158 100,0	... All causes	608 100,0	... All causes	550 100,0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	550 16,9	1 Tuberculosis (A15-A19)	307 16,0	1 Tuberculosis (A15-A19)	243 18,2
2 Influenza and pneumonia (J10-J18)	150 4,6	2 Influenza and pneumonia (J10-J18)	67 3,5	2 Influenza and pneumonia (J10-J18)	83 6,2
3 Human immunodeficiency virus [HIV] disease (B20-B24)	132 4,1	3 Human immunodeficiency virus [HIV] disease (B20-B24)	58 3,0	3 Human immunodeficiency virus [HIV] disease (B20-B24)	74 5,5
4 Other forms of heart disease (I30-I52)	115 3,5	4 Other forms of heart disease (I30-I52)	57 3,0	4 Other forms of heart disease (I30-I52)	58 4,3
5 Cerebrovascular diseases (I60-I69)	110 3,4	5 Cerebrovascular diseases (I60-I69)	55 2,9	5 Cerebrovascular diseases (I60-I69)	55 4,1
6 Certain disorders involving the immune mechanism (D80-D89)	71 2,2	6 Chronic lower respiratory diseases (J40-J47)	39 2,0	6 Certain disorders involving the immune mechanism (D80-D89)	44 3,3
7 Chronic lower respiratory diseases (J40-J47)	66 2,0	7 Ischaemic heart diseases (I20-I25)	35 1,8	7 Diseases of liver (K70-K77)	29 2,2
8 Diseases of liver (K70-K77)	62 1,9	8 Episodic and paroxysmal disorders (G40-G47)	33 1,7	8 Chronic lower respiratory diseases (J40-J47)	27 2,0
9 Ischaemic heart diseases (I20-I25)	55 1,7	9 Diseases of liver (K70-K77)	33 1,7	9 Intestinal infectious diseases (A00-A09)	25 1,9
10 Malignant neoplasms of digestive organs (C15-C26)	53 1,6	10 Malignant neoplasms of digestive organs (C15-C26)	33 1,7	10 Malignant neoplasms of female genital organs (C51-C58)	25 1,9
... Other causes	1 884 58,0	... Other causes	1 196 62,5	... Other causes	672 50,3
... All causes	3 248 100,0	... All causes	1 913 100,0	... All causes	1 335 100,0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years	
1 Tuberculosis (A15-A19)	193 10,2	1 Tuberculosis (A15-A19)	143 12,5	1 Cerebrovascular diseases (I60-I69)	71 9,4
2 Other forms of heart disease (I30-I52)	143 7,5	2 Ischaemic heart diseases (I20-I25)	95 8,3	2 Other forms of heart disease (I30-I52)	62 8,2
3 Ischaemic heart diseases (I20-I25)	130 6,9	3 Chronic lower respiratory diseases (J40-J47)	84 7,3	3 Tuberculosis (A15-A19)	50 6,6
4 Chronic lower respiratory diseases (J40-J47)	129 6,8	4 Other forms of heart disease (I30-I52)	81 7,1	4 Chronic lower respiratory diseases (J40-J47)	45 6,0
5 Cerebrovascular diseases (I60-I69)	125 6,6	5 Malignant neoplasms of digestive organs (C15-C26)	57 5,0	5 Diabetes mellitus (E10-E14)	44 5,9
6 Malignant neoplasms of digestive organs (C15-C26)	101 5,3	6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	57 5,0	6 Malignant neoplasms of digestive organs (C15-C26)	44 5,9
7 Influenza and pneumonia (J10-J18)	87 4,6	7 Cerebrovascular diseases (I60-I69)	54 4,7	7 Influenza and pneumonia (J10-J18)	38 5,1
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	80 4,2	8 Influenza and pneumonia (J10-J18)	49 4,3	8 Ischaemic heart diseases (I20-I25)	35 4,7
9 Diabetes mellitus (E10-E14)	70 3,7	9 Diseases of liver (K70-K77)	34 3,0	9 Hypertensive diseases (I10-I15)	33 4,4
10 Hypertensive diseases (I10-I15)	61 3,2	10 Hypertensive diseases (I10-I15)	28 2,4	10 Malignant neoplasms of female genital organs (C51-C58)	30 4,0
... Other causes	778 41,0	... Other causes	463 40,4	... Other causes	300 39,9
... All causes	1 897 100,0	... All causes	1 145 100,0	... All causes	752 100,0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	307 10,3	1 Other forms of heart disease (I30-I52)	133 9,0	1 Cerebrovascular diseases (I60-I69)	188 12,6
2 Other forms of heart disease (I30-I52)	301 10,1	2 Chronic lower respiratory diseases (J40-J47)	123 8,3	2 Other forms of heart disease (I30-I52)	162 11,2
3 Ischaemic heart diseases (I20-I25)	219 7,4	3 Ischaemic heart diseases (I20-I25)	120 8,1	3 Ischaemic heart diseases (I20-I25)	99 6,6
4 Chronic lower respiratory diseases (J40-J47)	184 6,2	4 Cerebrovascular diseases (I60-I69)	119 8,0	4 Diabetes mellitus (E10-E14)	96 6,4
5 Influenza and pneumonia (J10-J18)	154 5,2	5 Malignant neoplasms of digestive organs (C15-C26)	85 5,7	5 Hypertensive diseases (I10-I15)	77 5,2
6 Malignant neoplasms of digestive organs (C15-C26)	146 4,9	6 Influenza and pneumonia (J10-J18)	79 5,3	6 Influenza and pneumonia (J10-J18)	75 5,0
7 Diabetes mellitus (E10-E14)	139 4,7	7 Tuberculosis (A15-A19)	76 5,1	7 Chronic lower respiratory diseases (J40-J47)	61 4,1
8 Hypertensive diseases (I10-I15)	114 3,8	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	66 4,4	8 Malignant neoplasms of digestive organs (C15-C26)	61 4,1
9 Tuberculosis (A15-A19)	101 3,4	9 Malignant neoplasms of male genital organs (C60-C63)	52 3,5	9 Malignant neoplasms of female genital organs (C51-C58)	29 1,9
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	87 2,9	10 Diabetes mellitus (E10-E14)	43 2,9	10 Intestinal infectious diseases (A00-A09)	26 1,7
... Other causes	1 227 41,2	... Other causes	588 39,6	... Other causes	615 41,1
... All causes	2 979 100,0	... All causes	1 484 100,0	... All causes	1 495 100,0

Excluding a total of 121 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 1998

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	2 819	9,5	1 788	11,2	1 180	8,7
2 Influenza and pneumonia (J10-J18)	2 335	7,9	1 164	7,3	1 171	8,6
3 Other forms of heart disease (I30-I52)	2 174	7,3	994	6,2	1 031	7,6
4 Cerebrovascular diseases (I60-I69)	1 662	5,6	688	4,3	974	7,1
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 301	4,4	623	3,9	686	5,0
6 Chronic lower respiratory diseases (J40-J47)	1 013	3,4	615	3,8	537	3,9
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	946	3,2	499	3,1	506	3,7
8 Certain disorders involving the immune mechanism (D80-D89)	882	3,0	435	2,7	482	3,5
9 Diabetes mellitus (E10-E14)	848	2,9	407	2,5	458	3,4
10 Intestinal infectious diseases (A00-A09)	812	2,7	394	2,5	447	3,3
... Other causes	14 829	50,1	8 388	52,4	6 154	45,2
... All causes	29 621	100,0	15 995	100,0	13 626	100,0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	946	22,7	499	22,3	447	23,2
2 Digestive system disorders of foetus and newborn (P75-P78)	783	18,8	435	19,4	348	18,0
3 Intestinal infectious diseases (A00-A09)	243	5,8	123	5,5	120	6,2
4 Malnutrition (E40-E46)	219	5,3	116	5,2	111	5,8
5 Disorders related to length of gestation and foetal growth (P05-P08)	204	4,9	113	5,0	103	5,3
6 Other disorders originating in the perinatal period (P90-P96)	190	4,6	93	4,1	80	4,1
7 Influenza and pneumonia (J10-J18)	143	3,4	63	2,8	77	4,0
8 Certain disorders involving the immune mechanism (D80-D89)	96	2,3	53	2,4	43	2,2
9 Infections specific to the perinatal period (P35-P39)	87	2,1	51	2,3	43	2,2
10 Human immunodeficiency virus [HIV] disease (B20-B24)	81	1,9	47	2,1	40	2,1
... Other causes	1 179	28,3	649	28,9	517	26,8
... All causes	4 171	100,0	2 242	100,0	1 929	100,0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years		
1 Tuberculosis (A15-A19)	2 039	16,7	1 206	17,5	833	15,7
2 Influenza and pneumonia (J10-J18)	1 179	9,7	559	8,1	620	11,7
3 Human immunodeficiency virus [HIV] disease (B20-B24)	1 124	9,2	517	7,5	607	11,5
4 Certain disorders involving the immune mechanism (D80-D89)	728	6,0	293	4,2	435	8,2
5 Other forms of heart disease (I30-I52)	470	3,9	237	3,4	233	4,4
6 Cerebrovascular diseases (I60-I69)	360	3,0	167	2,4	212	4,0
7 Intestinal infectious diseases (A00-A09)	334	2,7	122	1,8	193	3,6
8 Chronic lower respiratory diseases (J40-J47)	191	1,6	116	1,7	93	1,8
9 Episodic and paroxysmal disorders (G40-G47)	143	1,2	94	1,4	75	1,4
10 Diabetes mellitus (E10-E14)	132	1,1	84	1,2	73	1,4
... Other causes	5 501	45,1	3 508	50,8	1 924	36,3
... All causes	12 201	100,0	6 903	100,0	5 298	100,0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years		
1 Other forms of heart disease (I30-I52)	498	9,5	370	11,5	231	11,2
2 Tuberculosis (A15-A19)	478	9,1	271	8,4	227	11,0
3 Cerebrovascular diseases (I60-I69)	454	8,6	242	7,5	161	7,8
4 Influenza and pneumonia (J10-J18)	386	7,3	223	6,9	144	7,0
5 Chronic lower respiratory diseases (J40-J47)	303	5,8	199	6,2	122	5,9
6 Diabetes mellitus (E10-E14)	263	5,0	165	5,1	108	5,3
7 Malignant neoplasms of digestive organs (C15-C26)	233	4,4	125	3,9	104	5,1
8 Hypertensive diseases (I10-I15)	216	4,1	109	3,4	77	3,7
9 Ischaemic heart diseases (I20-I25)	180	3,4	102	3,2	68	3,3
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	135	2,6	94	2,9	55	2,7
... Other causes	2 119	40,2	1 310	40,8	758	36,9
... All causes	5 265	100,0	3 210	100,0	2 055	100,0
Free State, both sexes, 65 years and above		Free State, male, 65 years and above		Free State, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	1 180	14,8	471	12,9	709	16,3
2 Cerebrovascular diseases (I60-I69)	838	10,5	305	8,4	545	12,5
3 Influenza and pneumonia (J10-J18)	627	7,9	300	8,2	327	7,5
4 Chronic lower respiratory diseases (J40-J47)	510	6,4	293	8,0	300	6,9
5 Diabetes mellitus (E10-E14)	448	5,6	206	5,7	296	6,8
6 Hypertensive diseases (I10-I15)	434	5,4	174	4,8	205	4,7
7 Ischaemic heart diseases (I20-I25)	401	5,0	148	4,1	195	4,5
8 Malignant neoplasms of digestive organs (C15-C26)	257	3,2	147	4,0	110	2,5
9 Tuberculosis (A15-A19)	231	2,9	138	3,8	90	2,1
10 Intestinal infectious diseases (A00-A09)	155	1,9	86	2,4	74	1,7
... Other causes	2 903	36,4	1 372	37,7	1 493	34,4
... All causes	7 984	100,0	3 640	100,0	4 344	100,0

Excluding a total of 225 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 1998

KwaZulu-Natal, both sexes, all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	7 546	9,5	1 Tuberculosis (A15-A19)	4 550	10,4	1 Tuberculosis (A15-A19)	2 996	8,3
2 Other forms of heart disease (I30-I52)	4 789	6,0	2 Other forms of heart disease (I30-I52)	2 333	5,3	2 Other forms of heart disease (I30-I52)	2 456	6,8
3 Cerebrovascular diseases (I60-I69)	3 695	4,6	3 Cerebrovascular diseases (I60-I69)	1 603	3,7	3 Cerebrovascular diseases (I60-I69)	2 092	5,8
4 Influenza and pneumonia (J10-J18)	3 279	4,1	4 Influenza and pneumonia (J10-J18)	1 593	3,6	4 Influenza and pneumonia (J10-J18)	1 686	4,7
5 Diabetes mellitus (E10-E14)	2 811	3,5	5 Chronic lower respiratory diseases (J40-J47)	1 450	3,3	5 Diabetes mellitus (E10-E14)	1 677	4,6
6 Intestinal infectious diseases (A00-A09)	2 657	3,3	6 Intestinal infectious diseases (A00-A09)	1 142	2,6	6 Intestinal infectious diseases (A00-A09)	1 515	4,2
7 Chronic lower respiratory diseases (J40-J47)	2 490	3,1	7 Diabetes mellitus (E10-E14)	1 134	2,6	7 Chronic lower respiratory diseases (J40-J47)	1 040	2,9
8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 975	2,5	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 068	2,4	8 Hypertensive diseases (I10-I15)	1 007	2,8
9 Ischaemic heart diseases (I20-I25)	1 873	2,1	9 Ischaemic heart diseases (I20-I25)	1 022	2,3	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	907	2,5
10 Digestive system disorders of foetus and newborn (P75-P78)	1 655	2,1	10 Malignant neoplasms of digestive organs (C15-C26)	931	2,1	10 Digestive system disorders of foetus and newborn (P75-P78)	790	2,2
... Other causes	47 268	59,2	... Other causes	26 876	61,5	... Other causes	19 970	55,3
... All causes	79 838	100,0	... All causes	43 702	100,0	... All causes	36 136	100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 975	17,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 068	17,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	907	16,6
2 Digestive system disorders of foetus and newborn (P75-P78)	1 655	14,4	2 Digestive system disorders of foetus and newborn (P75-P78)	865	14,2	2 Digestive system disorders of foetus and newborn (P75-P78)	790	14,5
3 Other disorders originating in the perinatal period (P90-P96)	996	8,6	3 Other disorders originating in the perinatal period (P90-P96)	516	8,5	3 Other disorders originating in the perinatal period (P90-P96)	480	8,8
4 Intestinal infectious diseases (A00-A09)	743	6,4	4 Intestinal infectious diseases (A00-A09)	367	6,0	4 Intestinal infectious diseases (A00-A09)	376	6,9
5 Malnutrition (E40-E46)	454	3,9	5 Infections specific to the perinatal period (P35-P39)	244	4,0	5 Malnutrition (E40-E46)	226	4,1
6 Infections specific to the perinatal period (P35-P39)	431	3,7	6 Malnutrition (E40-E46)	228	3,8	6 Disorders related to length of gestation and foetal growth (P05-P08)	191	3,5
7 Disorders related to length of gestation and foetal growth (P05-P08)	384	3,3	7 Disorders related to length of gestation and foetal growth (P05-P08)	193	3,2	7 Infections specific to the perinatal period (P35-P39)	187	3,4
8 Influenza and pneumonia (J10-J18)	304	2,6	8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	145	2,4	8 Influenza and pneumonia (J10-J18)	162	3,0
9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	275	2,4	9 Influenza and pneumonia (J10-J18)	142	2,3	9 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	130	2,4
10 Certain disorders involving the immune mechanism (D80-D89)	232	2,0	10 Certain disorders involving the immune mechanism (D80-D89)	124	2,0	10 Certain disorders involving the immune mechanism (D80-D89)	108	2,0
... Other causes	4 076	35,4	... Other causes	2 182	35,9	... Other causes	1 894	34,7
... All causes	11 525	100,0	... All causes	6 074	100,0	... All causes	5 451	100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years				
1 Tuberculosis (A15-A19)	5 625	16,7	1 Tuberculosis (A15-A19)	3 233	16,0	1 Tuberculosis (A15-A19)	2 392	17,9
2 Influenza and pneumonia (J10-J18)	1 696	5,0	2 Influenza and pneumonia (J10-J18)	827	4,1	2 Influenza and pneumonia (J10-J18)	869	6,5
3 Other forms of heart disease (I30-I52)	1 284	3,8	3 Other forms of heart disease (I30-I52)	748	3,7	3 Intestinal infectious diseases (A00-A09)	710	5,3
4 Intestinal infectious diseases (A00-A09)	1 194	3,6	4 Human immunodeficiency virus [HIV] disease (B20-B24)	585	2,9	4 Human immunodeficiency virus [HIV] disease (B20-B24)	556	4,2
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 141	3,4	5 Intestinal infectious diseases (A00-A09)	484	2,4	5 Other forms of heart disease (I30-I52)	536	4,0
6 Certain disorders involving the immune mechanism (D80-D89)	952	2,8	6 Certain disorders involving the immune mechanism (D80-D89)	441	2,2	6 Certain disorders involving the immune mechanism (D80-D89)	511	3,8
7 Chronic lower respiratory diseases (J40-J47)	799	2,4	7 Chronic lower respiratory diseases (J40-J47)	434	2,1	7 Chronic lower respiratory diseases (J40-J47)	365	2,7
8 Cerebrovascular diseases (I60-I69)	610	1,8	8 Cerebrovascular diseases (I60-I69)	341	1,7	8 Other viral diseases (B25-B34)	310	2,3
9 Other viral diseases (B25-B34)	508	1,5	9 Diseases of liver (K70-K77)	297	1,5	9 Cerebrovascular diseases (I60-I69)	269	2,0
10 Diseases of liver (K70-K77)	449	1,3	10 Malignant neoplasms of digestive organs (C15-C26)	220	1,1	10 Diabetes mellitus (E10-E14)	201	1,5
... Other causes	19 367	57,6	... Other causes	12 656	62,4	... Other causes	6 640	49,7
... All causes	33 625	100,0	... All causes	20 266	100,0	... All causes	13 359	100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 120	8,2	1 Tuberculosis (A15-A19)	839	10,1	1 Diabetes mellitus (E10-E14)	609	11,4
2 Other forms of heart disease (I30-I52)	1 104	8,1	2 Other forms of heart disease (I30-I52)	633	7,6	2 Cerebrovascular diseases (I60-I69)	511	9,6
3 Diabetes mellitus (E10-E14)	1 061	7,8	3 Cerebrovascular diseases (I60-I69)	537	6,5	3 Other forms of heart disease (I30-I52)	471	8,9
4 Cerebrovascular diseases (I60-I69)	1 048	7,7	4 Diabetes mellitus (E10-E14)	452	5,4	4 Tuberculosis (A15-A19)	281	5,3
5 Chronic lower respiratory diseases (J40-J47)	597	4,4	5 Chronic lower respiratory diseases (J40-J47)	422	5,1	5 Hypertensive diseases (I10-I15)	246	4,6
6 Malignant neoplasms of digestive organs (C15-C26)	525	3,8	6 Malignant neoplasms of digestive organs (C15-C26)	372	4,5	6 Malignant neoplasms of female genital organs (C51-C58)	179	3,4
7 Ischaemic heart diseases (I20-I25)	481	3,5	7 Ischaemic heart diseases (I20-I25)	343	4,1	7 Chronic lower respiratory diseases (J40-J47)	175	3,3
8 Hypertensive diseases (I10-I15)	429	3,1	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	247	3,0	8 Intestinal infectious diseases (A00-A09)	158	3,0
9 Influenza and pneumonia (J10-J18)	401	2,9	9 Influenza and pneumonia (J10-J18)	245	2,9	9 Influenza and pneumonia (J10-J18)	156	2,9
10 Diseases of liver (K70-K77)	307	2,2	10 Diseases of liver (K70-K77)	232	2,8	10 Malignant neoplasms of digestive organs (C15-C26)	153	2,9
... Other causes	6 572	48,2	... Other causes	4 001	48,1	... Other causes	2 383	44,8
... All causes	13 645	100,0	... All causes	8 323	100,0	... All causes	5 322	100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	2 285	10,9	1 Other forms of heart disease (I30-I52)	901	10,0	1 Other forms of heart disease (I30-I52)	1 384	11,5
2 Cerebrovascular diseases (I60-I69)	2 014	9,6	2 Cerebrovascular diseases (I60-I69)	713	7,9	2 Cerebrovascular diseases (I60-I69)	1 301	10,8
3 Diabetes mellitus (E10-E14)	1 334	6,3	3 Chronic lower respiratory diseases (J40-J47)	579	6,4	3 Diabetes mellitus (E10-E14)	865	7,2
4 Chronic lower respiratory diseases (J40-J47)	1 058	5,0	4 Ischaemic heart diseases (I20-I25)	471	5,2	4 Hypertensive diseases (I10-I15)	637	5,3
5 Ischaemic heart diseases (I20-I25)	907	4,3	5 Diabetes mellitus (E10-E14)	469	5,2	5 Influenza and pneumonia (J10-J18)	499	4,2
6 Hypertensive diseases (I10-I15)	886	4,2	6 Tuberculosis (A15-A19)	387	4,3	6 Chronic lower respiratory diseases (J40-J47)	479	4,0
7 Influenza and pneumonia (J10-J18)	878	4,2	7 Influenza and pneumonia (J10-J18)	379	4,2	7 Ischaemic heart diseases (I20-I25)	436	3,6
8 Malignant neoplasms of digestive organs (C15-C26)	637	3,0	8 Malignant neoplasms of digestive organs (C15-C26)	337	3,7	8 Malignant neoplasms of digestive organs (C15-C26)	300	2,5
9 Tuberculosis (A15-A19)	620	2,9	9 Hypertensive diseases (I10-I15)	249	2,8	9 Intestinal infectious diseases (A00-A09)	271	2,3
10 Intestinal infectious diseases (A00-A09)	417	2,0	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	232	2,6	10 Tuberculosis (A15-A19)	233	1,9
... Other causes	10 007	47,6	... Other causes	4 322	47,8	... Other causes	5 599	46,6
... All causes	21 043	100,0	... All causes	9 039	100,0	... All causes	12 004	100,0

Excluding a total of 2 497 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 1998

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	2 417	8,4	1 512	9,6	1 091	8,4
2 Other forms of heart disease (I30-I52)	2 152	7,5	1 061	6,7	941	7,3
3 Influenza and pneumonia (J10-J18)	1 939	6,7	1 013	6,4	926	7,2
4 Cerebrovascular diseases (I60-I69)	1 690	5,9	749	4,7	905	7,0
5 Chronic lower respiratory diseases (J40-J47)	984	3,4	629	4,0	528	4,1
6 Hypertensive diseases (I10-I15)	856	3,0	467	3,0	436	3,4
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	851	3,0	430	2,7	412	3,2
8 Intestinal infectious diseases (A00-A09)	812	2,8	415	2,6	384	3,0
9 Diabetes mellitus (E10-E14)	698	2,4	376	2,4	369	2,9
10 Malignant neoplasms of digestive organs (C15-C26)	665	2,3	376	2,4	355	2,7
... Other causes	15 669	54,5	8 759	55,5	6 599	51,0
... All causes	28 733	100,0	15 787	100,0	12 946	100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	851	20,7	467	21,1	384	20,2
2 Digestive system disorders of foetus and newborn (P75-P78)	606	14,7	312	14,1	294	15,4
3 Intestinal infectious diseases (A00-A09)	241	5,9	144	6,5	119	6,3
4 Disorders related to length of gestation and foetal growth (P05-P08)	233	5,7	125	5,7	116	6,1
5 Other disorders originating in the perinatal period (P90-P96)	230	5,6	111	5,0	108	5,7
6 Malnutrition (E40-E46)	208	5,1	92	4,2	97	5,1
7 Influenza and pneumonia (J10-J18)	154	3,7	72	3,3	82	4,3
8 Infections specific to the perinatal period (P35-P39)	124	3,0	66	3,0	58	3,0
9 Certain disorders involving the immune mechanism (D80-D89)	88	2,1	46	2,1	42	2,2
10 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	83	2,0	42	1,9	41	2,2
... Other causes	1 295	31,5	732	33,1	563	29,6
... All causes	4 113	100,0	2 209	100,0	1 904	100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 669	15,4	971	15,7	698	14,9
2 Influenza and pneumonia (J10-J18)	919	8,5	431	7,0	488	10,4
3 Human immunodeficiency virus [HIV] disease (B20-B24)	520	4,8	314	5,1	311	6,6
4 Certain disorders involving the immune mechanism (D80-D89)	513	4,7	243	3,9	265	5,7
5 Other forms of heart disease (I30-I52)	508	4,7	202	3,3	206	4,4
6 Intestinal infectious diseases (A00-A09)	310	2,9	145	2,3	195	4,2
7 Cerebrovascular diseases (I60-I69)	277	2,5	115	1,9	132	2,8
8 Chronic lower respiratory diseases (J40-J47)	196	1,8	107	1,7	89	1,9
9 Diabetes mellitus (E10-E14)	138	1,3	85	1,4	76	1,6
10 Episodic and paroxysmal disorders (G40-G47)	138	1,3	82	1,3	75	1,6
... Other causes	5 677	52,3	3 489	56,4	2 146	45,8
... All causes	10 865	100,0	6 184	100,0	4 681	100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years		
1 Other forms of heart disease (I30-I52)	478	9,6	326	10,7	228	11,8
2 Tuberculosis (A15-A19)	443	8,9	277	9,1	201	10,4
3 Cerebrovascular diseases (I60-I69)	435	8,7	207	6,8	122	6,3
4 Influenza and pneumonia (J10-J18)	297	6,0	202	6,6	117	6,1
5 Chronic lower respiratory diseases (J40-J47)	286	5,8	189	6,2	107	5,5
6 Malignant neoplasms of digestive organs (C15-C26)	245	4,9	164	5,4	97	5,0
7 Hypertensive diseases (I10-I15)	221	4,4	138	4,5	95	4,9
8 Diabetes mellitus (E10-E14)	213	4,3	106	3,5	82	4,2
9 Ischaemic heart diseases (I20-I25)	183	3,7	99	3,3	81	4,2
10 Diseases of liver (K70-K77)	124	2,5	95	3,1	48	2,5
... Other causes	2 047	41,2	1 238	40,7	753	39,0
... All causes	4 972	100,0	3 041	100,0	1 931	100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	1 125	12,8	524	12,0	601	13,6
2 Cerebrovascular diseases (I60-I69)	968	11,0	391	9,0	577	13,0
3 Influenza and pneumonia (J10-J18)	669	6,5	329	7,6	358	8,1
4 Hypertensive diseases (I10-I15)	541	6,2	308	7,1	261	5,9
5 Chronic lower respiratory diseases (J40-J47)	491	5,6	191	4,4	227	5,1
6 Ischaemic heart diseases (I20-I25)	355	4,0	186	4,3	164	3,7
7 Diabetes mellitus (E10-E14)	344	3,9	183	4,2	162	3,7
8 Malignant neoplasms of digestive organs (C15-C26)	288	3,3	182	4,2	106	2,4
9 Tuberculosis (A15-A19)	241	2,7	117	2,7	98	2,2
10 Intestinal infectious diseases (A00-A09)	173	2,0	94	2,2	67	1,5
... Other causes	3 688	42,0	1 848	42,5	1 809	40,8
... All causes	8 783	100,0	4 353	100,0	4 430	100,0

Excluding a total of 520 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 1998

Gauteng, both sexes, all ages		Gauteng, male, all ages		Gauteng, female, all ages				
No.	%	No.	%	No.	%			
1 Other forms of heart disease (I30-I52)	4 113	5,6	1 Tuberculosis (A15-A19)	2 461	5,9	1 Other forms of heart disease (I30-I52)	2 070	6,4
2 Tuberculosis (A15-A19)	3 967	5,4	2 Other forms of heart disease (I30-I52)	2 043	4,9	2 Cerebrovascular diseases (I60-I69)	1 781	5,5
3 Influenza and pneumonia (J10-J18)	3 284	4,4	3 Influenza and pneumonia (J10-J18)	1 637	3,9	3 Influenza and pneumonia (J10-J18)	1 647	5,1
4 Cerebrovascular diseases (I60-I69)	3 213	4,3	4 Ischaemic heart diseases (I20-I25)	1 507	3,6	4 Tuberculosis (A15-A19)	1 506	4,7
5 Diabetes mellitus (E10-E14)	2 436	3,3	5 Cerebrovascular diseases (I60-I69)	1 432	3,4	5 Diabetes mellitus (E10-E14)	1 408	4,4
6 Ischaemic heart diseases (I20-I25)	2 432	3,3	6 Chronic lower respiratory diseases (J40-J47)	1 312	3,1	6 Chronic lower respiratory diseases (J40-J47)	945	2,9
7 Chronic lower respiratory diseases (J40-J47)	2 257	3,0	7 Malignant neoplasms of digestive organs (C15-C26)	1 191	2,8	7 Hypertensive diseases (I10-I15)	944	2,9
8 Malignant neoplasms of digestive organs (C15-C26)	1 939	2,6	8 Diabetes mellitus (E10-E14)	1 028	2,5	8 Ischaemic heart diseases (I20-I25)	925	2,9
9 Hypertensive diseases (I10-I15)	1 600	2,2	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	815	1,9	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	756	2,4
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 571	2,1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	802	1,9	10 Malignant neoplasms of digestive organs (C15-C26)	748	2,3
... Other causes	47 254	63,8	... Other causes	27 709	66,1	... Other causes	19 399	60,4
... All causes	74 066	100,0	... All causes	41 937	100,0	... All causes	32 129	100,0
Gauteng, both sexes, 0-14 years		Gauteng, male, 0-14 years		Gauteng, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 571	17,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	815	17,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	756	18,1
2 Other disorders originating in the perinatal period (P90-P96)	1 298	14,6	2 Other disorders originating in the perinatal period (P90-P96)	712	15,0	2 Other disorders originating in the perinatal period (P90-P96)	586	14,1
3 Digestive system disorders of foetus and newborn (P75-P78)	890	10,0	3 Digestive system disorders of foetus and newborn (P75-P78)	461	9,7	3 Digestive system disorders of foetus and newborn (P75-P78)	429	10,3
4 Infections specific to the perinatal period (P35-P39)	301	3,4	4 Infections specific to the perinatal period (P35-P39)	168	3,5	4 Disorders related to length of gestation and foetal growth (P05-P08)	156	3,7
5 Disorders related to length of gestation and foetal growth (P05-P08)	300	3,4	5 Intestinal infectious diseases (A00-A09)	149	3,1	5 Infections specific to the perinatal period (P35-P39)	133	3,2
6 Intestinal infectious diseases (A00-A09)	274	3,1	6 Disorders related to length of gestation and foetal growth (P05-P08)	144	3,0	6 Intestinal infectious diseases (A00-A09)	125	3,0
7 Certain disorders involving the immune mechanism (D80-D89)	250	2,8	7 Certain disorders involving the immune mechanism (D80-D89)	125	2,6	7 Certain disorders involving the immune mechanism (D80-D89)	125	3,0
8 Influenza and pneumonia (J10-J18)	175	2,0	8 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	99	2,1	8 Other viral diseases (B25-B34)	91	2,2
9 Other viral diseases (B25-B34)	173	1,9	9 Malnutrition (E40-E46)	92	1,9	9 Influenza and pneumonia (J10-J18)	90	2,2
10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	173	1,9	10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	92	1,9	10 Human immunodeficiency virus [HIV] disease (B20-B24)	83	2,0
... Other causes	3 506	39,3	... Other causes	1 888	39,8	... Other causes	1 592	38,2
... All causes	8 911	100,0	... All causes	4 745	100,0	... All causes	4 166	100,0
Gauteng, both sexes, 15-49 years		Gauteng, male, 15-49 years		Gauteng, female, 15-49 years				
1 Tuberculosis (A15-A19)	2 773	9,4	1 Tuberculosis (A15-A19)	1 642	8,7	2 Influenza and pneumonia (J10-J18)	707	6,6
2 Influenza and pneumonia (J10-J18)	1 446	4,9	2 Influenza and pneumonia (J10-J18)	739	3,9	3 Human immunodeficiency virus [HIV] disease (B20-B24)	500	4,7
3 Human immunodeficiency virus [HIV] disease (B20-B24)	1 125	3,8	3 Human immunodeficiency virus [HIV] disease (B20-B24)	625	3,3	4 Other forms of heart disease (I30-I52)	480	4,5
4 Other forms of heart disease (I30-I52)	1 075	3,6	4 Other forms of heart disease (I30-I52)	595	3,1	5 Certain disorders involving the immune mechanism (D80-D89)	438	4,1
5 Certain disorders involving the immune mechanism (D80-D89)	806	2,7	5 Certain disorders involving the immune mechanism (D80-D89)	368	1,9	6 Cerebrovascular diseases (I60-I69)	300	2,8
6 Cerebrovascular diseases (I60-I69)	625	2,1	6 Cerebrovascular diseases (I60-I69)	325	1,7	7 Intestinal infectious diseases (A00-A09)	222	2,1
7 Intestinal infectious diseases (A00-A09)	425	1,4	7 Diseases of liver (K70-K77)	251	1,3	8 Malignant neoplasms of female genital organs (C51-C58)	195	1,8
8 Other viral diseases (B25-B34)	397	1,3	8 Malignant neoplasms of digestive organs (C15-C26)	244	1,3	9 Diabetes mellitus (E10-E14)	181	1,7
9 Diseases of liver (K70-K77)	381	1,3	9 Ischaemic heart diseases (I20-I25)	230	1,2	10 Other viral diseases (B25-B34)	180	1,7
10 Diabetes mellitus (E10-E14)	379	1,3	10 Other viral diseases (B25-B34)	217	1,1	... Other causes	6 316	59,3
... Other causes	20 133	68,1	... Other causes	13 679	72,3	... All causes	10 650	100,0
... All causes	29 565	100,0	... All causes	18 915	100,0			
Gauteng, both sexes, 50-64 years		Gauteng, male, 50-64 years		Gauteng, female, 50-64 years				
1 Other forms of heart disease (I30-I52)	871	6,5	1 Tuberculosis (A15-A19)	541	6,7	1 Cerebrovascular diseases (I60-I69)	396	7,4
2 Cerebrovascular diseases (I60-I69)	808	6,0	2 Other forms of heart disease (I30-I52)	508	6,3	2 Diabetes mellitus (E10-E14)	376	7,0
3 Tuberculosis (A15-A19)	731	5,4	3 Ischaemic heart diseases (I20-I25)	452	5,6	3 Other forms of heart disease (I30-I52)	363	6,7
4 Diabetes mellitus (E10-E14)	731	5,4	4 Malignant neoplasms of digestive organs (C15-C26)	433	5,3	4 Malignant neoplasms of female genital organs (C51-C58)	259	4,8
5 Malignant neoplasms of digestive organs (C15-C26)	643	4,8	5 Cerebrovascular diseases (I60-I69)	412	5,1	5 Chronic lower respiratory diseases (J40-J47)	237	4,4
6 Ischaemic heart diseases (I20-I25)	594	4,4	6 Diabetes mellitus (E10-E14)	355	4,4	6 Malignant neoplasms of digestive organs (C15-C26)	210	3,9
7 Chronic lower respiratory diseases (J40-J47)	570	4,2	7 Chronic lower respiratory diseases (J40-J47)	333	4,1	7 Hypertensive diseases (I10-I15)	196	3,6
8 Influenza and pneumonia (J10-J18)	484	3,6	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	311	3,8	8 Tuberculosis (A15-A19)	190	3,5
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	414	3,1	9 Influenza and pneumonia (J10-J18)	303	3,7	9 Influenza and pneumonia (J10-J18)	181	3,4
10 Hypertensive diseases (I10-I15)	393	2,9	10 Diseases of liver (K70-K77)	229	2,8	10 Malignant neoplasms of breast (C50)	164	3,0
... Other causes	7 257	53,8	... Other causes	4 232	52,2	... Other causes	2 815	52,3
... All causes	13 496	100,0	... All causes	8 109	100,0	... All causes	5 387	100,0
Gauteng, both sexes, 65 years and above		Gauteng, male, 65 years and above		Gauteng, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	2 085	9,4	1 Other forms of heart disease (I30-I52)	895	8,8	1 Other forms of heart disease (I30-I52)	1 190	10,0
2 Cerebrovascular diseases (I60-I69)	1 768	8,0	2 Ischaemic heart diseases (I20-I25)	823	8,1	2 Cerebrovascular diseases (I60-I69)	1 077	9,0
3 Ischaemic heart diseases (I20-I25)	1 535	6,9	3 Chronic lower respiratory diseases (J40-J47)	778	7,7	3 Diabetes mellitus (E10-E14)	848	7,1
4 Chronic lower respiratory diseases (J40-J47)	1 327	6,0	4 Cerebrovascular diseases (I60-I69)	691	6,8	4 Ischaemic heart diseases (I20-I25)	712	6,0
5 Diabetes mellitus (E10-E14)	1 322	6,0	5 Malignant neoplasms of digestive organs (C15-C26)	512	5,0	5 Influenza and pneumonia (J10-J18)	669	5,6
6 Influenza and pneumonia (J10-J18)	1 179	5,3	6 Influenza and pneumonia (J10-J18)	510	5,0	6 Hypertensive diseases (I10-I15)	622	5,2
7 Hypertensive diseases (I10-I15)	937	4,2	7 Diabetes mellitus (E10-E14)	474	4,7	7 Chronic lower respiratory diseases (J40-J47)	549	4,6
8 Malignant neoplasms of digestive organs (C15-C26)	918	4,2	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	348	3,4	8 Malignant neoplasms of digestive organs (C15-C26)	406	3,4
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	524	2,4	9 Malignant neoplasms of male genital organs (C60-C63)	316	3,1	9 Malignant neoplasms of female genital organs (C51-C58)	212	1,8
10 Renal failure (N17-N19)	409	1,9	10 Hypertensive diseases (I10-I15)	315	3,1	10 Renal failure (N17-N19)	206	1,7
... Other causes	10 090	45,7	... Other causes	4 506	44,3	... Other causes	5 435	45,6
... All causes	22 094	100,0	... All causes	10 168	100,0	... All causes	11 926	100,0

Excluding a total of 1 397 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 1998

Mpumalanga, both sexes, all ages		Mpumalanga, male, all ages		Mpumalanga, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	1 630	7,1	1 Tuberculosis (A15-A19)	1 075	8,5	1 Other forms of heart disease (I30-I52)	774	7,5
2 Other forms of heart disease (I30-I52)	1 500	6,5	2 Other forms of heart disease (I30-I52)	726	5,7	2 Cerebrovascular diseases (I60-I69)	758	7,4
3 Cerebrovascular diseases (I60-I69)	1 354	5,9	3 Influenza and pneumonia (J10-J18)	670	5,3	3 Influenza and pneumonia (J10-J18)	628	6,1
4 Influenza and pneumonia (J10-J18)	1 298	5,7	4 Cerebrovascular diseases (I60-I69)	596	4,7	4 Tuberculosis (A15-A19)	555	5,4
5 Intestinal infectious diseases (A00-A09)	829	3,6	5 Chronic lower respiratory diseases (J40-J47)	462	3,6	5 Intestinal infectious diseases (A00-A09)	465	4,5
6 Chronic lower respiratory diseases (J40-J47)	735	3,2	6 Intestinal infectious diseases (A00-A09)	364	2,9	6 Diabetes mellitus (E10-E14)	411	4,0
7 Diabetes mellitus (E10-E14)	718	3,1	7 Digestive system disorders of foetus and newborn (P75-P78)	336	2,6	7 Hypertensive diseases (I10-I15)	403	3,9
8 Hypertensive diseases (I10-I15)	677	2,9	8 Ischaemic heart diseases (I20-I25)	309	2,4	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	330	3,2
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	626	2,7	9 Diabetes mellitus (E10-E14)	307	2,4	9 Certain disorders involving the immune mechanism (D80-D89)	292	2,8
10 Digestive system disorders of foetus and newborn (P75-P78)	586	2,6	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	296	2,3	10 Chronic lower respiratory diseases (J40-J47)	273	2,7
... Other causes	13 010	56,7	... Other causes	7 540	59,5	... Other causes	5 393	52,5
... All causes	22 963	100,0	... All causes	12 681	100,0	... All causes	10 282	100,0
Mpumalanga, both sexes, 0-14 years		Mpumalanga, male, 0-14 years		Mpumalanga, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	626	18,7	1 Digestive system disorders of foetus and newborn (P75-P78)	336	18,9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	330	20,9
2 Digestive system disorders of foetus and newborn (P75-P78)	586	17,5	2 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	296	16,7	2 Digestive system disorders of foetus and newborn (P75-P78)	250	15,9
3 Intestinal infectious diseases (A00-A09)	226	6,7	3 Intestinal infectious diseases (A00-A09)	107	6,0	3 Intestinal infectious diseases (A00-A09)	119	7,6
4 Other disorders originating in the perinatal period (P90-P96)	192	5,7	4 Other disorders originating in the perinatal period (P90-P96)	100	5,6	4 Other disorders originating in the perinatal period (P90-P96)	92	5,8
5 Disorders related to length of gestation and foetal growth (P05-P08)	172	5,1	5 Disorders related to length of gestation and foetal growth (P05-P08)	96	5,4	5 Disorders related to length of gestation and foetal growth (P05-P08)	76	4,8
6 Malnutrition (E40-E46)	101	3,0	6 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	57	3,2	6 Malnutrition (E40-E46)	51	3,2
7 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	98	2,9	7 Malnutrition (E40-E46)	50	2,8	7 Influenza and pneumonia (J10-J18)	45	2,9
8 Influenza and pneumonia (J10-J18)	90	2,7	8 Influenza and pneumonia (J10-J18)	45	2,5	8 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	41	2,6
9 Infections specific to the perinatal period (P35-P39)	80	2,4	9 Infections specific to the perinatal period (P35-P39)	44	2,5	9 Infections specific to the perinatal period (P35-P39)	36	2,3
10 Certain disorders involving the immune mechanism (D80-D89)	63	1,9	10 Certain disorders involving the immune mechanism (D80-D89)	32	1,8	10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	34	2,2
... Other causes	1 116	33,3	... Other causes	611	34,4	... Other causes	502	31,9
... All causes	3 350	100,0	... All causes	1 774	100,0	... All causes	1 576	100,0
Mpumalanga, both sexes, 15-49 years		Mpumalanga, male, 15-49 years		Mpumalanga, female, 15-49 years				
1 Tuberculosis (A15-A19)	1 076	11,8	1 Tuberculosis (A15-A19)	645	12,0	1 Tuberculosis (A15-A19)	431	11,6
2 Influenza and pneumonia (J10-J18)	585	6,4	2 Influenza and pneumonia (J10-J18)	298	5,5	2 Influenza and pneumonia (J10-J18)	287	7,7
3 Certain disorders involving the immune mechanism (D80-D89)	425	4,7	3 Certain disorders involving the immune mechanism (D80-D89)	186	3,5	3 Certain disorders involving the immune mechanism (D80-D89)	239	6,4
4 Human immunodeficiency virus [HIV] disease (B20-B24)	398	4,4	4 Human immunodeficiency virus [HIV] disease (B20-B24)	182	3,4	4 Human immunodeficiency virus [HIV] disease (B20-B24)	216	5,8
5 Other forms of heart disease (I30-I52)	360	4,0	5 Other forms of heart disease (I30-I52)	174	3,2	5 Intestinal infectious diseases (A00-A09)	190	5,1
6 Intestinal infectious diseases (A00-A09)	327	3,6	6 Intestinal infectious diseases (A00-A09)	137	2,5	6 Other forms of heart disease (I30-I52)	186	5,0
7 Cerebrovascular diseases (I60-I69)	239	2,6	7 Cerebrovascular diseases (I60-I69)	123	2,3	7 Cerebrovascular diseases (I60-I69)	116	3,1
8 Diseases of liver (K70-K77)	167	1,8	8 Diseases of liver (K70-K77)	110	2,0	8 Malignant neoplasms of female genital organs (C51-C58)	93	2,5
9 Diabetes mellitus (E10-E14)	143	1,6	9 Episodic and paroxysmal disorders (G40-G47)	71	1,3	9 Diabetes mellitus (E10-E14)	77	2,1
10 Chronic lower respiratory diseases (J40-J47)	134	1,5	10 Chronic lower respiratory diseases (J40-J47)	69	1,3	10 Hypertensive diseases (I10-I15)	66	1,8
... Other causes	5 246	57,6	... Other causes	3 380	62,9	... Other causes	1 824	49,0
... All causes	9 100	100,0	... All causes	5 375	100,0	... All causes	3 725	100,0
Mpumalanga, both sexes, 50-64 years		Mpumalanga, male, 50-64 years		Mpumalanga, female, 50-64 years				
1 Cerebrovascular diseases (I60-I69)	375	9,5	1 Tuberculosis (A15-A19)	239	10,2	1 Cerebrovascular diseases (I60-I69)	202	12,5
2 Other forms of heart disease (I30-I52)	315	7,9	2 Cerebrovascular diseases (I60-I69)	173	7,4	2 Other forms of heart disease (I30-I52)	147	9,1
3 Tuberculosis (A15-A19)	305	7,7	3 Other forms of heart disease (I30-I52)	168	7,2	3 Diabetes mellitus (E10-E14)	118	7,3
4 Diabetes mellitus (E10-E14)	223	5,6	4 Chronic lower respiratory diseases (J40-J47)	149	6,4	4 Hypertensive diseases (I10-I15)	102	6,3
5 Influenza and pneumonia (J10-J18)	219	5,5	5 Influenza and pneumonia (J10-J18)	130	5,5	5 Influenza and pneumonia (J10-J18)	89	5,5
6 Chronic lower respiratory diseases (J40-J47)	215	5,4	6 Diabetes mellitus (E10-E14)	105	4,5	6 Tuberculosis (A15-A19)	66	4,1
7 Hypertensive diseases (I10-I15)	189	4,8	7 Malignant neoplasms of digestive organs (C15-C26)	104	4,4	7 Chronic lower respiratory diseases (J40-J47)	66	4,1
8 Malignant neoplasms of digestive organs (C15-C26)	150	3,8	8 Ischaemic heart diseases (I20-I25)	100	4,3	8 Malignant neoplasms of female genital organs (C51-C58)	56	3,5
9 Ischaemic heart diseases (I20-I25)	140	3,5	9 Hypertensive diseases (I10-I15)	87	3,7	9 Diseases of liver (K70-K77)	49	3,0
10 Diseases of liver (K70-K77)	126	3,2	10 Diseases of liver (K70-K77)	77	3,3	10 Malignant neoplasms of digestive organs (C15-C26)	46	2,8
... Other causes	1 707	43,1	... Other causes	1 013	43,2	... Other causes	678	41,9
... All causes	3 964	100,0	... All causes	2 345	100,0	... All causes	1 619	100,0
Mpumalanga, both sexes, 65 years and above		Mpumalanga, male, 65 years and above		Mpumalanga, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	791	12,1	1 Other forms of heart disease (I30-I52)	367	11,5	1 Cerebrovascular diseases (I60-I69)	434	12,9
2 Cerebrovascular diseases (I60-I69)	733	11,2	2 Cerebrovascular diseases (I60-I69)	299	9,4	2 Other forms of heart disease (I30-I52)	424	12,6
3 Influenza and pneumonia (J10-J18)	404	6,2	3 Chronic lower respiratory diseases (J40-J47)	238	7,5	3 Hypertensive diseases (I10-I15)	233	6,9
4 Chronic lower respiratory diseases (J40-J47)	377	5,8	4 Influenza and pneumonia (J10-J18)	197	6,2	4 Diabetes mellitus (E10-E14)	213	6,3
5 Hypertensive diseases (I10-I15)	369	5,6	5 Tuberculosis (A15-A19)	176	5,5	5 Influenza and pneumonia (J10-J18)	207	6,2
6 Diabetes mellitus (E10-E14)	348	5,3	6 Ischaemic heart diseases (I20-I25)	140	4,4	6 Chronic lower respiratory diseases (J40-J47)	139	4,1
7 Ischaemic heart diseases (I20-I25)	278	4,2	7 Hypertensive diseases (I10-I15)	136	4,3	7 Ischaemic heart diseases (I20-I25)	138	4,1
8 Tuberculosis (A15-A19)	220	3,4	8 Diabetes mellitus (E10-E14)	135	4,2	8 Intestinal infectious diseases (A00-A09)	114	3,4
9 Intestinal infectious diseases (A00-A09)	183	2,8	9 Malignant neoplasms of digestive organs (C15-C26)	100	3,1	9 Malignant neoplasms of digestive organs (C15-C26)	73	2,2
10 Malignant neoplasms of digestive organs (C15-C26)	173	2,6	10 Malignant neoplasms of male genital organs (C60-C63)	88	2,8	10 Malignant neoplasms of female genital organs (C51-C58)	50	1,5
... Other causes	2 673	40,8	... Other causes	1 311	41,1	... Other causes	1 337	39,8
... All causes	6 549	100,0	... All causes	3 187	100,0	... All causes	3 362	100,0

Excluding a total of 492 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 1998

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages		
No.	%	No.	%	No.	%	
1 Influenza and pneumonia (J10-J18)	1 758	6.3	1 021	7.0	894	6.7
2 Other forms of heart disease (I30-I52)	1 656	6.0	864	5.9	874	6.6
3 Tuberculosis (A15-A19)	1 531	5.5	782	5.4	798	6.0
4 Cerebrovascular diseases (I60-I69)	1 423	5.1	625	4.3	549	4.1
5 Hypertensive diseases (I10-I15)	957	3.4	481	3.3	514	3.9
6 Intestinal infectious diseases (A00-A09)	937	3.4	469	3.2	510	3.8
7 Ischaemic heart diseases (I20-I25)	920	3.3	423	2.9	460	3.5
8 Diabetes mellitus (E10-E14)	923	3.0	408	2.8	439	3.3
9 Chronic lower respiratory diseases (J40-J47)	757	2.7	378	2.6	288	2.2
10 Malignant neoplasms of digestive organs (C15-C26)	585	2.1	363	2.5	252	1.9
... Other causes	16 481	59.2	8 762	60.1	7 674	57.9
... All causes	27 828	100.0	14 576	100.0	13 252	100.0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	380	12.8	198	12.4	189	13.7
2 Digestive system disorders of foetus and newborn (P75-P78)	355	11.9	191	12.0	157	11.4
3 Intestinal infectious diseases (A00-A09)	230	7.7	129	8.1	101	7.3
4 Influenza and pneumonia (J10-J18)	159	5.3	88	5.5	87	6.3
5 Other disorders originating in the perinatal period (P90-P96)	150	5.0	72	4.5	66	4.8
6 Malnutrition (E40-E46)	135	4.5	69	4.3	62	4.5
7 Disorders related to length of gestation and foetal growth (P05-P08)	99	3.3	57	3.6	42	3.0
8 Foetus & newborn affct'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	84	2.8	44	2.8	40	2.9
9 Infections specific to the perinatal period (P35-P39)	70	2.4	34	2.1	36	2.6
10 Inflammatory diseases of the central nervous system (G00-G09)	61	2.1	33	2.1	28	2.0
... Other causes	1 251	42.1	679	42.6	572	41.4
... All causes	2 974	100.0	1 594	100.0	1 380	100.0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years		
1 Tuberculosis (A15-A19)	855	10.0	506	10.2	349	9.8
2 Influenza and pneumonia (J10-J18)	623	7.3	305	6.1	318	8.9
3 Other forms of heart disease (I30-I52)	290	3.4	144	2.9	155	4.4
4 Human immunodeficiency virus [HIV] disease (B20-B24)	285	3.3	135	2.7	150	4.2
5 Certain disorders involving the immune mechanism (D80-D89)	276	3.2	130	2.6	146	4.1
6 Intestinal infectious diseases (A00-A09)	266	3.1	118	2.4	141	4.0
7 Cerebrovascular diseases (I60-I69)	219	2.6	116	2.3	101	2.8
8 Chronic lower respiratory diseases (J40-J47)	164	1.9	111	2.2	90	2.5
9 Hypertensive diseases (I10-I15)	163	1.9	98	2.0	86	2.4
10 Diseases of liver (K70-K77)	163	1.9	83	1.7	81	2.3
... Other causes	5 218	61.2	3 221	64.8	1 938	54.5
... All causes	8 522	100.0	4 967	100.0	3 555	100.0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years		
1 Tuberculosis (A15-A19)	336	7.0	269	9.3	153	8.0
2 Other forms of heart disease (I30-I52)	312	6.5	189	6.6	142	7.5
3 Hypertensive diseases (I10-I15)	308	6.4	166	5.8	140	7.4
4 Cerebrovascular diseases (I60-I69)	301	6.3	158	5.5	123	6.5
5 Diabetes mellitus (E10-E14)	263	5.5	149	5.2	87	4.6
6 Influenza and pneumonia (J10-J18)	236	4.9	148	5.1	86	4.5
7 Ischaemic heart diseases (I20-I25)	225	4.7	139	4.8	77	4.0
8 Chronic lower respiratory diseases (J40-J47)	215	4.5	123	4.3	75	3.9
9 Malignant neoplasms of digestive organs (C15-C26)	176	3.7	120	4.2	67	3.5
10 Diseases of liver (K70-K77)	157	3.3	103	3.6	57	3.0
... Other causes	2 255	47.1	1 317	45.7	896	47.1
... All causes	4 784	100.0	2 881	100.0	1 903	100.0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	1 017	8.8	445	8.7	572	8.9
2 Cerebrovascular diseases (I60-I69)	890	7.7	350	6.8	540	8.4
3 Influenza and pneumonia (J10-J18)	740	6.4	338	6.6	402	6.3
4 Ischaemic heart diseases (I20-I25)	621	5.4	296	5.8	325	5.1
5 Hypertensive diseases (I10-I15)	482	4.2	225	4.4	318	5.0
6 Diabetes mellitus (E10-E14)	430	3.7	222	4.3	262	4.1
7 Chronic lower respiratory diseases (J40-J47)	371	3.2	168	3.3	188	2.9
8 Intestinal infectious diseases (A00-A09)	317	2.7	164	3.2	149	2.3
9 Tuberculosis (A15-A19)	306	2.6	160	3.1	112	1.7
10 Malignant neoplasms of digestive organs (C15-C26)	272	2.4	129	2.5	109	1.7
... Other causes	6 102	52.8	2 637	51.4	3 437	53.6
... All causes	11 548	100.0	5 134	100.0	6 414	100.0

Excluding a total of 344 cases with unknown sex and unknown age; unknown sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 1999

All provinces, both sexes, all ages		All provinces, male, all ages		All provinces, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	33 760 9.0	1 Tuberculosis (A15-A19)	20 559 10.1	1 Tuberculosis (A15-A19)	13 201 7.7
2 Other forms of heart disease (I30-I52)	19 972 5.3	2 Influenza and pneumonia (J10-J18)	9 582 4.7	2 Cerebrovascular diseases (I60-I69)	11 160 6.5
3 Cerebrovascular diseases (I60-I69)	19 824 5.3	3 Other forms of heart disease (I30-I52)	9 279 4.6	3 Other forms of heart disease (I30-I52)	10 993 6.2
4 Influenza and pneumonia (J10-J18)	18 935 5.0	4 Cerebrovascular diseases (I60-I69)	8 664 4.2	4 Influenza and pneumonia (J10-J18)	9 353 5.4
5 Chronic lower respiratory diseases (J40-J47)	12 520 3.3	5 Chronic lower respiratory diseases (J40-J47)	7 590 3.7	5 Diabetes mellitus (E10-E14)	7 569 4.4
6 Diabetes mellitus (E10-E14)	12 489 3.3	6 Ischaemic heart diseases (I20-I25)	6 626 3.2	6 Intestinal infectious diseases (A00-A09)	5 990 3.5
7 Ischaemic heart diseases (I20-I25)	11 370 3.0	7 Malignant neoplasms of digestive organs (C15-C26)	5 578 2.7	7 Hypertensive diseases (I10-I15)	5 725 3.3
8 Intestinal infectious diseases (A00-A09)	11 013 2.9	8 Intestinal infectious diseases (A00-A09)	5 023 2.5	8 Human immunodeficiency virus [HIV] disease (B20-B24)	4 936 2.9
9 Human immunodeficiency virus [HIV] disease (B20-B24)	9 782 2.6	9 Diabetes mellitus (E10-E14)	4 920 2.4	9 Chronic lower respiratory diseases (J40-J47)	4 930 2.9
10 Hypertensive diseases (I10-I15)	9 385 2.5	10 Human immunodeficiency virus [HIV] disease (B20-B24)	4 846 2.4	10 Ischaemic heart diseases (I20-I25)	4 744 2.8
... Other causes	217 149 57.7	... Other causes	121 245 59.5	... Other causes	93 986 54.6
... All causes	376 199 100.0	... All causes	203 912 100.0	... All causes	172 287 100.0
All provinces, both sexes, 0-14 years		All provinces, male, 0-14 years		All provinces, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	7 811 17.7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	4 064 17.4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	3 747 17.9
2 Digestive system disorders of foetus and newborn (P75-P78)	6 222 14.1	2 Digestive system disorders of foetus and newborn (P75-P78)	3 268 14.0	2 Digestive system disorders of foetus and newborn (P75-P78)	2 954 14.1
3 Other disorders originating in the perinatal period (P90-P96)	3 268 7.4	3 Other disorders originating in the perinatal period (P90-P96)	1 670 7.2	3 Other disorders originating in the perinatal period (P90-P96)	1 598 7.6
4 Intestinal infectious diseases (A00-A09)	2 628 5.9	4 Intestinal infectious diseases (A00-A09)	1 309 5.6	4 Intestinal infectious diseases (A00-A09)	1 319 6.3
5 Disorders related to length of gestation and foetal growth (P05-P08)	1 493 3.4	5 Disorders related to length of gestation and foetal growth (P05-P08)	760 3.3	5 Disorders related to length of gestation and foetal growth (P05-P08)	733 3.5
6 Malnutrition (E40-E46)	1 443 3.3	6 Infections specific to the perinatal period (P35-P39)	744 3.2	6 Malnutrition (E40-E46)	709 3.4
7 Infections specific to the perinatal period (P35-P39)	1 425 3.2	7 Malnutrition (E40-E46)	734 3.1	7 Infections specific to the perinatal period (P35-P39)	681 3.3
8 Influenza and pneumonia (J10-J18)	1 271 2.9	8 Influenza and pneumonia (J10-J18)	669 2.9	8 Certain disorders involving the immune mechanism (D80-D89)	617 3.0
9 Certain disorders involving the immune mechanism (D80-D89)	1 220 2.8	9 Certain disorders involving the immune mechanism (D80-D89)	603 2.6	9 Influenza and pneumonia (J10-J18)	602 2.9
10 Human immunodeficiency virus [HIV] disease (B20-B24)	893 2.0	10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	500 2.1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	438 2.1
... Other causes	16 542 37.4	... Other causes	9 003 38.6	... Other causes	7 494 35.9
... All causes	44 216 100.0	... All causes	23 324 100.0	... All causes	20 892 100.0
All provinces, both sexes, 15-49 years		All provinces, male, 15-49 years		All provinces, female, 15-49 years	
1 Tuberculosis (A15-A19)	23 401 15.2	1 Tuberculosis (A15-A19)	13 365 14.9	1 Tuberculosis (A15-A19)	10 036 15.6
2 Influenza and pneumonia (J10-J18)	9 803 6.4	2 Influenza and pneumonia (J10-J18)	4 718 5.3	2 Influenza and pneumonia (J10-J18)	5 085 7.9
3 Human immunodeficiency virus [HIV] disease (B20-B24)	8 169 5.3	3 Human immunodeficiency virus [HIV] disease (B20-B24)	3 962 4.4	3 Human immunodeficiency virus [HIV] disease (B20-B24)	4 207 6.5
4 Certain disorders involving the immune mechanism (D80-D89)	6 595 4.3	4 Certain disorders involving the immune mechanism (D80-D89)	2 830 3.2	4 Certain disorders involving the immune mechanism (D80-D89)	3 765 5.9
5 Intestinal infectious diseases (A00-A09)	4 960 3.2	5 Other forms of heart disease (I30-I52)	2 309 2.6	5 Intestinal infectious diseases (A00-A09)	2 814 4.4
6 Other forms of heart disease (I30-I52)	4 550 3.0	6 Intestinal infectious diseases (A00-A09)	2 146 2.4	6 Other forms of heart disease (I30-I52)	2 241 3.5
7 Cerebrovascular diseases (I60-I69)	3 735 2.4	7 Cerebrovascular diseases (I60-I69)	1 956 2.2	7 Cerebrovascular diseases (I60-I69)	1 779 2.8
8 Chronic lower respiratory diseases (J40-J47)	2 714 1.8	8 Chronic lower respiratory diseases (J40-J47)	1 527 1.7	8 Chronic lower respiratory diseases (J40-J47)	1 187 1.8
9 Other viral diseases (B25-B34)	2 000 1.3	9 Diseases of liver (K70-K77)	1 277 1.4	9 Other viral diseases (B25-B34)	1 134 1.8
10 Diseases of liver (K70-K77)	1 962 1.3	10 Malignant neoplasms of digestive organs (C15-C26)	1 107 1.2	10 Malignant neoplasms of female genital organs (C51-C58)	1 012 1.6
... Other causes	87 863 57.1	... Other causes	54 342 60.7	... Other causes	30 991 48.2
... All causes	153 790 100.0	... All causes	89 539 100.0	... All causes	64 251 100.0
All provinces, both sexes, 50-64 years		All provinces, male, 50-64 years		All provinces, female, 50-64 years	
1 Tuberculosis (A15-A19)	6 056 9.1	1 Tuberculosis (A15-A19)	4 466 11.0	1 Cerebrovascular diseases (I60-I69)	2 387 9.0
2 Cerebrovascular diseases (I60-I69)	4 870 7.3	2 Other forms of heart disease (I30-I52)	2 513 6.2	2 Diabetes mellitus (E10-E14)	2 377 9.0
3 Other forms of heart disease (I30-I52)	4 506 6.7	3 Cerebrovascular diseases (I60-I69)	2 483 6.1	3 Other forms of heart disease (I30-I52)	1 993 7.5
4 Diabetes mellitus (E10-E14)	4 094 6.1	4 Chronic lower respiratory diseases (J40-J47)	2 329 5.8	4 Tuberculosis (A15-A19)	1 590 6.0
5 Chronic lower respiratory diseases (J40-J47)	3 432 5.1	5 Ischaemic heart diseases (I20-I25)	2 171 5.4	5 Hypertensive diseases (I10-I15)	1 317 5.0
6 Malignant neoplasms of digestive organs (C15-C26)	3 147 4.7	6 Malignant neoplasms of digestive organs (C15-C26)	2 059 5.1	6 Chronic lower respiratory diseases (J40-J47)	1 103 4.2
7 Ischaemic heart diseases (I20-I25)	3 127 4.7	7 Diabetes mellitus (E10-E14)	1 717 4.2	7 Malignant neoplasms of digestive organs (C15-C26)	1 088 4.1
8 Influenza and pneumonia (J10-J18)	2 643 3.9	8 Influenza and pneumonia (J10-J18)	1 691 4.2	8 Malignant neoplasms of female genital organs (C51-C58)	993 3.8
9 Hypertensive diseases (I10-I15)	2 491 3.7	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 519 3.8	9 Ischaemic heart diseases (I20-I25)	956 3.6
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 997 3.0	10 Hypertensive diseases (I10-I15)	1 174 2.9	10 Influenza and pneumonia (J10-J18)	952 3.6
... Other causes	30 552 45.7	... Other causes	18 379 45.4	... Other causes	11 658 44.1
... All causes	66 915 100.0	... All causes	40 501 100.0	... All causes	26 414 100.0
All provinces, both sexes, 65 years and above		All provinces, male, 65 years and above		All provinces, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	11 082 10.0	1 Other forms of heart disease (I30-I52)	4 313 8.5	1 Cerebrovascular diseases (I60-I69)	6 921 11.4
2 Other forms of heart disease (I30-I52)	10 616 9.5	2 Cerebrovascular diseases (I60-I69)	4 161 8.2	2 Other forms of heart disease (I30-I52)	6 303 10.4
3 Ischaemic heart diseases (I20-I25)	6 701 6.0	3 Chronic lower respiratory diseases (J40-J47)	3 636 7.2	3 Diabetes mellitus (E10-E14)	4 319 7.1
4 Diabetes mellitus (E10-E14)	6 605 5.9	4 Ischaemic heart diseases (I20-I25)	3 389 6.7	4 Hypertensive diseases (I10-I15)	3 669 6.0
5 Chronic lower respiratory diseases (J40-J47)	6 206 5.6	5 Influenza and pneumonia (J10-J18)	2 504 5.0	5 Ischaemic heart diseases (I20-I25)	3 312 5.5
6 Hypertensive diseases (I10-I15)	5 486 4.9	6 Tuberculosis (A15-A19)	2 405 4.8	6 Influenza and pneumonia (J10-J18)	2 714 4.5
7 Influenza and pneumonia (J10-J18)	5 218 4.7	7 Malignant neoplasms of digestive organs (C15-C26)	2 401 4.7	7 Chronic lower respiratory diseases (J40-J47)	2 570 4.2
8 Malignant neoplasms of digestive organs (C15-C26)	4 420 4.0	8 Diabetes mellitus (E10-E14)	2 286 4.5	8 Malignant neoplasms of digestive organs (C15-C26)	2 019 3.3
9 Tuberculosis (A15-A19)	3 963 3.3	9 Hypertensive diseases (I10-I15)	1 817 3.6	9 Tuberculosis (A15-A19)	1 258 2.1
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	2 199 2.0	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 568 3.1	10 Intestinal infectious diseases (A00-A09)	1 256 2.1
... Other causes	49 082 44.1	... Other causes	22 068 43.7	... Other causes	26 389 43.5
... All causes	111 278 100.0	... All causes	50 548 100.0	... All causes	60 730 100.0

Excluding a total of 4783 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 1999

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Ischaemic heart diseases (I20-I25)	2 555	6,8	1 Tuberculosis (A15-A19)	1 650	7,7	1 Cerebrovascular diseases (I60-I69)	1 339	8,3
2 Tuberculosis (A15-A19)	2 535	6,7	2 Ischaemic heart diseases (I20-I25)	1 463	6,8	2 Diabetes mellitus (E10-E14)	1 312	8,1
3 Cerebrovascular diseases (I60-I69)	2 463	6,5	3 Cerebrovascular diseases (I60-I69)	1 124	5,3	3 Ischaemic heart diseases (I20-I25)	1 092	6,7
4 Diabetes mellitus (E10-E14)	2 064	5,5	4 Chronic lower respiratory diseases (J40-J47)	990	4,6	4 Other forms of heart disease (I30-I52)	939	5,8
5 Other forms of heart disease (I30-I52)	1 682	4,5	5 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	979	4,6	5 Tuberculosis (A15-A19)	885	5,5
6 Chronic lower respiratory diseases (J40-J47)	1 561	4,2	6 Malignant neoplasms of digestive organs (C15-C26)	857	4,0	6 Malignant neoplasms of digestive organs (C15-C26)	627	3,9
7 Malignant neoplasms of digestive organs (C15-C26)	1 484	3,9	7 Diabetes mellitus (E10-E14)	752	3,5	7 Chronic lower respiratory diseases (J40-J47)	571	3,5
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 360	3,6	8 Other forms of heart disease (I30-I52)	743	3,5	8 Human immunodeficiency virus [HIV] disease (B20-B24)	490	3,0
9 Human immunodeficiency virus [HIV] disease (B20-B24)	919	2,4	9 Human immunodeficiency virus [HIV] disease (B20-B24)	429	2,0	9 Hypertensive diseases (I10-I15)	486	3,0
10 Hypertensive diseases (I10-I15)	796	2,1	10 Influenza and pneumonia (J10-J18)	380	1,8	10 Influenza and pneumonia (J10-J18)	403	2,5
... Other causes	20 195	53,7	... Other causes	12 035	56,2	... Other causes	8 068	49,8
... All causes	37 614	100,0	... All causes	21 402	100,0	... All causes	16 212	100,0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	483	14,9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	256	14,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	227	15,3
2 Digestive system disorders of foetus and newborn (P75-P78)	417	12,9	2 Digestive system disorders of foetus and newborn (P75-P78)	221	12,6	2 Digestive system disorders of foetus and newborn (P75-P78)	196	13,2
3 Other disorders originating in the perinatal period (P90-P96)	274	8,4	3 Other disorders originating in the perinatal period (P90-P96)	145	8,2	3 Other disorders originating in the perinatal period (P90-P96)	129	8,7
4 Infections specific to the perinatal period (P35-P39)	146	4,5	4 Infections specific to the perinatal period (P35-P39)	85	4,8	4 Disorders related to length of gestation and foetal growth (P05-P08)	73	4,9
5 Disorders related to length of gestation and foetal growth (P05-P08)	126	3,9	5 Human immunodeficiency virus [HIV] disease (B20-B24)	67	3,8	5 Infections specific to the perinatal period (P35-P39)	61	4,1
6 Human immunodeficiency virus [HIV] disease (B20-B24)	119	3,7	6 Disorders related to length of gestation and foetal growth (P05-P08)	53	3,0	6 Human immunodeficiency virus [HIV] disease (B20-B24)	52	3,5
7 Intestinal infectious diseases (A00-A09)	94	2,9	7 Intestinal infectious diseases (A00-A09)	50	2,8	7 Intestinal infectious diseases (A00-A09)	44	3,0
8 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	72	2,2	8 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	40	2,3	8 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	32	2,2
9 Congenital malformations of the circulatory system (Q20-Q28)	61	1,9	9 Malnutrition (E40-E46)	35	2,0	9 Congenital malformations of the circulatory system (Q20-Q28)	31	2,1
10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	56	1,7	10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	32	1,8	10 Tuberculosis (A15-A19)	25	1,7
... Other causes	1 397	43,1	... Other causes	774	44,0	... Other causes	617	41,5
... All causes	3 245	100,0	... All causes	1 758	100,0	... All causes	1 487	100,0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	1 566	12,4	1 Tuberculosis (A15-A19)	984	11,8	1 Tuberculosis (A15-A19)	582	13,7
2 Human immunodeficiency virus [HIV] disease (B20-B24)	708	5,6	2 Human immunodeficiency virus [HIV] diseases (B20-B24)	309	3,7	2 Human immunodeficiency virus [HIV] disease (B20-B24)	399	9,4
3 Cerebrovascular diseases (I60-I69)	344	2,7	3 Cerebrovascular diseases (I60-I69)	186	2,2	3 Cerebrovascular diseases (I60-I69)	158	3,7
4 Ischaemic heart diseases (I20-I25)	252	2,0	4 Ischaemic heart diseases (I20-I25)	175	2,1	4 Certain disorders involving the immune mechanism (D80-D89)	121	2,8
5 Other forms of heart disease (I30-I52)	244	1,9	5 Chronic lower respiratory diseases (J40-J47)	155	1,9	5 Other forms of heart disease (I30-I52)	116	2,7
6 Chronic lower respiratory diseases (J40-J47)	230	1,8	6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	146	1,7	6 Malignant neoplasms of female genital organs (C51-C58)	108	2,5
7 Malignant neoplasms of digestive organs (C15-C26)	224	1,8	7 Malignant neoplasms of digestive organs (C15-C26)	145	1,7	7 Diabetes mellitus (E10-E14)	104	2,4
8 Influenza and pneumonia (J10-J18)	201	1,6	8 Other forms of heart diseases (I30-I52)	128	1,5	8 Influenza and pneumonia (J10-J18)	103	2,4
9 Diabetes mellitus (E10-E14)	195	1,5	9 Diseases of liver (K70-K77)	115	1,4	9 Malignant neoplasms of breast (C50)	96	2,3
10 Certain disorders involving the immune mechanism (D80-D89)	193	1,5	10 Episodic and paroxysmal disorders (G40-G47)	103	1,2	10 Malignant neoplasms of digestive organs (C15-C26)	79	1,9
... Other causes	8 450	67,0	... Other causes	5 911	70,7	... Other causes	2 384	56,1
... All causes	12 607	100,0	... All causes	8 357	100,0	... All causes	4 250	100,0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years				
1 Ischaemic heart diseases (I20-I25)	674	8,6	1 Ischaemic heart diseases (I20-I25)	463	9,7	1 Diabetes mellitus (E10-E14)	397	12,9
2 Diabetes mellitus (E10-E14)	664	8,5	2 Tuberculosis (A15-A19)	423	8,9	2 Cerebrovascular diseases (I60-I69)	289	9,4
3 Tuberculosis (A15-A19)	602	7,7	3 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	405	8,5	3 Ischaemic heart diseases (I20-I25)	211	6,8
4 Cerebrovascular diseases (I60-I69)	601	7,7	4 Cerebrovascular diseases (I60-I69)	312	6,5	4 Malignant neoplasms of digestive organs (C15-C26)	185	6,0
5 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	554	7,1	5 Malignant neoplasms of digestive organs (C15-C26)	311	6,5	5 Tuberculosis (A15-A19)	179	5,8
6 Malignant neoplasms of digestive organs (C15-C26)	496	6,3	6 Chronic lower respiratory diseases (J40-J47)	303	6,4	6 Other forms of heart disease (I30-I52)	169	5,5
7 Chronic lower respiratory diseases (J40-J47)	466	5,9	7 Diabetes mellitus (E10-E14)	267	5,6	7 Chronic lower respiratory diseases (J40-J47)	163	5,3
8 Other forms of heart disease (I30-I52)	362	4,6	8 Other forms of heart diseases (I30-I52)	193	4,0	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	149	4,8
9 Hypertensive diseases (I10-I15)	185	2,4	9 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	111	2,3	9 Malignant neoplasms of breast (C50)	116	3,8
10 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	182	2,3	10 Diseases of liver (K70-K77)	100	2,1	10 Hypertensive diseases (I10-I15)	102	3,3
... Other causes	3 070	39,1	... Other causes	1 879	39,4	... Other causes	1 129	36,5
... All causes	7 856	100,0	... All causes	4 767	100,0	... All causes	3 089	100,0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above				
1 Ischaemic heart diseases (I20-I25)	1 626	11,7	1 Ischaemic heart diseases (I20-I25)	822	5,9	1 Cerebrovascular diseases (I60-I69)	888	12,0
2 Cerebrovascular diseases (I60-I69)	1 506	10,8	2 Cerebrovascular diseases (I60-I69)	618	4,4	2 Diabetes mellitus (E10-E14)	810	11,0
3 Diabetes mellitus (E10-E14)	1 201	8,6	3 Chronic lower respiratory diseases (J40-J47)	524	3,8	3 Ischaemic heart diseases (I20-I25)	804	10,9
4 Other forms of heart disease (I30-I52)	1 054	7,6	4 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	428	3,1	4 Other forms of heart disease (I30-I52)	641	8,7
5 Chronic lower respiratory diseases (J40-J47)	856	6,2	5 Other forms of heart disease (I30-I52)	413	3,0	5 Malignant neoplasms of digestive organs (C15-C26)	362	4,9
6 Malignant neoplasms of digestive organs (C15-C26)	762	5,5	6 Malignant neoplasms of digestive organs (C15-C26)	400	2,9	6 Hypertensive diseases (I10-I15)	335	4,5
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	613	4,4	7 Diabetes mellitus (E10-E14)	391	2,8	7 Chronic lower respiratory diseases (J40-J47)	332	4,5
8 Hypertensive diseases (I10-I15)	514	3,7	8 Malignant neoplasms of male genital organs (C60-C63)	241	1,7	8 Influenza and pneumonia (J10-J18)	241	3,3
9 Influenza and pneumonia (J10-J18)	433	3,1	9 Tuberculosis (A15-A19)	227	1,6	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	185	2,5
10 Tuberculosis (A15-A19)	326	2,3	10 Influenza and pneumonia (J10-J18)	192	1,4	10 Malignant neoplasms of breast (C50)	149	2,0
... Other causes	5 015	36,1	... Other causes	2 264	16,3	... Other causes	2 639	35,7
... All causes	13 906	100,0	... All causes	6 520	46,9	... All causes	7 386	100,0

Excluding a total of 328 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 1999

Eastern Cape, both sexes, all ages		Eastern Cape, male, all ages		Eastern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	6 195	11,6	1 Tuberculosis (A15-A19)	3 748	13,1	1 Tuberculosis (A15-A19)	2 447	9,8
2 Cerebrovascular diseases (I60-I69)	2 987	5,6	2 Chronic lower respiratory diseases (J40 - J47)	1 587	5,6	2 Cerebrovascular diseases (I60-I69)	1 673	6,7
3 Chronic lower respiratory diseases (J40-J47)	2 775	5,2	3 Cerebrovascular diseases (I60 - I69)	1 314	4,6	3 Other forms of heart disease (I30-I52)	1 397	5,6
4 Other forms of heart disease (I30-I52)	2 538	4,8	4 Other forms of heart diseases (I30 - I52)	1 141	4,0	4 Chronic lower respiratory diseases (J40-J47)	1 188	4,8
5 Influenza and pneumonia (J10-J18)	1 889	3,5	5 Malignant neoplasms of digestive organs (C15 - C26)	1 011	3,5	5 Diabetes mellitus (E10-E14)	1 146	4,6
6 Diabetes mellitus (E10-E14)	1 856	3,5	6 Influenza and pneumonia (J10 - J18)	889	3,1	6 Influenza and pneumonia (J10-J18)	1 000	4,0
7 Malignant neoplasms of digestive organs (C15-C26)	1 809	3,4	7 Diabetes mellitus (E10 - E14)	710	2,5	7 Hypertensive diseases (I10-I15)	856	3,4
8 Intestinal infectious diseases (A00-A09)	1 440	2,7	8 Ischaemic heart diseases (I20 - I25)	679	2,4	8 Malignant neoplasms of digestive organs (C15-C26)	798	3,2
9 Hypertensive diseases (I10-I15)	1 382	2,6	9 Intestinal infectious diseases (A00-A09)	670	2,3	9 Intestinal infectious diseases (A00-A09)	770	3,1
10 Ischaemic heart diseases (I20-I25)	1 191	2,2	10 Hypertensive diseases (I10 - I15)	526	1,8	10 Human immunodeficiency virus [HIV] disease (B20-B24)	558	2,2
... Other causes	29 359	55,0	... Other causes	16 250	57,0	... Other causes	13 063	52,5
... All causes	53 421	100,0	... All causes	28 525	100,0	... All causes	24 896	100,0
Eastern Cape, both sexes, 0-14 years		Eastern Cape, male, 0-14 years		Eastern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	655	14,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	346	14,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	309	15,4
2 Digestive system disorders of foetus and newborn (P75-P78)	528	11,9	2 Digestive system disorders of foetus and newborn (P75-P78)	275	11,3	2 Digestive system disorders of foetus and newborn (P75-P78)	253	12,6
3 Other disorders originating in the perinatal period (P90-P96)	281	6,3	3 Intestinal infectious diseases (A00-A09)	152	6,3	3 Other disorders originating in the perinatal period (P90-P96)	137	6,8
4 Intestinal infectious diseases (A00-A09)	256	5,8	4 Other disorders originating in the perinatal period (P90-P96)	144	5,9	4 Intestinal infectious diseases (A00-A09)	104	5,2
5 Malnutrition (E40-E46)	137	3,1	5 Infections specific to the perinatal period (P35-P39)	68	2,8	5 Malnutrition (E40-E46)	71	3,5
6 Infections specific to the perinatal period (P35-P39)	119	2,7	6 Malnutrition (E40-E46)	66	2,7	6 Infections specific to the perinatal period (P35-P39)	51	2,5
7 Influenza and pneumonia (J10-J18)	107	2,4	7 Influenza and pneumonia (J10-J18)	62	2,6	7 Certain disorders involving the immune mechanism (D80-D89)	50	2,5
8 Certain disorders involving the immune mechanism (D80-D89)	100	2,3	8 Human immunodeficiency virus [HIV] disease (B20-B24)	54	2,2	8 Influenza and pneumonia (J10-J18)	45	2,2
9 Tuberculosis (A15-A19)	89	2,0	9 Tuberculosis (A15-A19)	50	2,1	9 Disorders related to length of gestation and foetal growth (P05-P08)	42	2,1
10 Disorders related to length of gestation and foetal growth (P05-P08)	89	2,0	10 Certain disorders involving the immune mechanism (D80-D89)	50	2,1	10 Tuberculosis (A15-A19)	39	1,9
... Other causes	2 072	46,7	... Other causes	1 164	47,9	... Other causes	901	45,0
... All causes	4 433	100,0	... All causes	2 431	100,0	... All causes	2 002	100,0
Eastern Cape, both sexes, 15-49 years		Eastern Cape, male, 15-49 years		Eastern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	3 521	17,8	1 Tuberculosis (A15-A19)	2 007	17,7	1 Tuberculosis (A15-A19)	1 514	18,0
2 Human immunodeficiency virus [HIV] disease (B20-B24)	818	4,1	2 Influenza and pneumonia (J10-J18)	345	3,0	2 Human immunodeficiency virus [HIV] disease (B20-B24)	492	5,8
3 Influenza and pneumonia (J10-J18)	798	4,0	3 Human immunodeficiency virus [HIV] disease (B20-B24)	326	2,9	3 Influenza and pneumonia (J10-J18)	453	5,4
4 Intestinal infectious diseases (A00-A09)	645	3,3	4 Cerebrovascular diseases (I60-I69)	269	2,4	4 Certain disorders involving the immune mechanism (D80-D89)	398	4,7
5 Certain disorders involving the immune mechanism (D80-D89)	639	3,2	5 Chronic lower respiratory diseases (J40-J47)	267	2,4	5 Intestinal infectious diseases (A00-A09)	386	4,6
6 Cerebrovascular diseases (I60-I69)	504	2,5	6 Intestinal infectious diseases (A00-A09)	259	2,3	6 Cerebrovascular diseases (I60-I69)	235	2,8
7 Other forms of heart disease (I30-I52)	460	2,3	7 Other forms of heart disease (I30-I52)	247	2,2	7 Other forms of heart disease (I30-I52)	213	2,5
8 Chronic lower respiratory diseases (J40-J47)	456	2,3	8 Certain disorders involving the immune mechanism (D80-D89)	241	2,1	8 Chronic lower respiratory diseases (J40-J47)	189	2,2
9 Episodic and paroxysmal disorders (G40-G47)	329	1,7	9 Episodic and paroxysmal disorders (G40-G47)	208	1,8	9 Diabetes mellitus (E10-E14)	151	1,8
10 Malignant neoplasms of digestive organs (C15-C26)	288	1,5	10 Malignant neoplasms of digestive organs (C15-C26)	188	1,7	10 Malignant neoplasms of female genital organs (C51-C58)	139	1,6
... Other causes	11 310	57,2	... Other causes	6 980	61,6	... Other causes	4 261	50,5
... All causes	19 768	100,0	... All causes	11 337	100,0	... All causes	8 431	100,0
Eastern Cape, both sexes, 50-64 years		Eastern Cape, male, 50-64 years		Eastern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 321	12,9	1 Tuberculosis (A15-A19)	958	15,7	1 Tuberculosis (A15-A19)	363	8,8
2 Cerebrovascular diseases (I60-I69)	724	7,1	2 Chronic lower respiratory diseases (J40-J47)	458	7,5	2 Diabetes mellitus (E10-E14)	351	8,5
3 Chronic lower respiratory diseases (J40-J47)	704	6,9	3 Cerebrovascular diseases (I60-I69)	375	6,1	3 Cerebrovascular diseases (I60-I69)	349	8,5
4 Diabetes mellitus (E10-E14)	598	5,8	4 Malignant neoplasms of digestive organs (C15-C26)	340	5,6	4 Other forms of heart disease (I30-I52)	260	6,3
5 Malignant neoplasms of digestive organs (C15-C26)	574	5,6	5 Other forms of heart disease (I30-I52)	292	4,8	5 Chronic lower respiratory diseases (J40-J47)	246	6,0
6 Other forms of heart disease (I30-I52)	552	5,4	6 Diabetes mellitus (E10-E14)	247	4,0	6 Malignant neoplasms of digestive organs (C15-C26)	234	5,7
7 Hypertensive diseases (I10-I15)	375	3,7	7 Ischaemic heart diseases (I20-I25)	234	3,8	7 Hypertensive diseases (I10-I15)	210	5,1
8 Ischaemic heart diseases (I20-I25)	359	3,5	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	229	3,8	8 Malignant neoplasms of female genital organs (C51-C58)	132	3,2
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	306	3,0	9 Hypertensive diseases (I10-I15)	165	2,7	9 Ischaemic heart diseases (I20-I25)	125	3,0
10 Influenza and pneumonia (J10-J18)	259	2,5	10 Influenza and pneumonia (J10-J18)	160	2,6	10 Influenza and pneumonia (J10-J18)	99	2,4
... Other causes	4 452	43,5	... Other causes	2 645	43,3	... Other causes	1 752	42,5
... All causes	10 224	100,0	... All causes	6 103	100,0	... All causes	4 121	100,0
Eastern Cape, both sexes, 65 years and above		Eastern Cape, male, 65 years and above		Eastern Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	1 744	9,2	1 Chronic lower respiratory diseases (J40 - J47)	849	9,8	1 Cerebrovascular diseases (I60-I69)	1 082	10,5
2 Chronic lower respiratory diseases (J40-J47)	1 588	8,4	2 Tuberculosis (A15-A19)	733	8,5	2 Other forms of heart disease (I30-I52)	906	8,8
3 Other forms of heart disease (I30-I52)	1 487	7,8	3 Cerebrovascular diseases (I60 - I69)	662	7,6	3 Chronic lower respiratory diseases (J40-J47)	739	7,1
4 Tuberculosis (A15-A19)	1 264	6,7	4 Other forms of heart diseases (I30 - I52)	581	6,7	4 Diabetes mellitus (E10-E14)	642	6,2
5 Diabetes mellitus (E10-E14)	973	5,1	5 Malignant neoplasms of digestive organs (C15 - C26)	480	5,5	5 Hypertensive diseases (I10-I15)	545	5,3
6 Malignant neoplasms of digestive organs (C15-C26)	944	5,0	6 Ischaemic heart diseases (I20 - I25)	348	4,0	6 Tuberculosis (A15-A19)	531	5,1
7 Hypertensive diseases (I10-I15)	822	4,3	7 Diabetes mellitus (E10 - E14)	331	3,8	7 Malignant neoplasms of digestive organs (C15-C26)	464	4,5
8 Influenza and pneumonia (J10-J18)	725	3,8	8 Influenza and pneumonia (J10 - J18)	322	3,7	8 Influenza and pneumonia (J10-J18)	403	3,9
9 Ischaemic heart diseases (I20-I25)	672	3,5	9 Hypertensive diseases (I10 - I15)	277	3,2	9 Ischaemic heart diseases (I20-I25)	324	3,1
10 Intestinal infectious diseases (A00-A09)	376	2,0	10 Malignant neoplasms of respiratory and intrathoracic organs (C30 - C39)	217	2,5	10 Intestinal infectious diseases (A00-A09)	209	2,0
... Other causes	8 401	44,2	... Other causes	3 854	44,5	... Other causes	4 497	43,5
... All causes	18 996	100,0	... All causes	8 654	100,0	... All causes	10 342	100,0

Excluding a total of 691 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 1999

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	819 9,0	1 Tuberculosis (A15-A19)	506 10,1	1 Cerebrovascular diseases (I60-I69)	326 8,0
2 Cerebrovascular diseases (I60-I69)	568 6,3	2 Influenza and pneumonia (J10-J18)	272 5,5	2 Tuberculosis (A15-A19)	313 7,7
3 Other forms of heart disease (I30-I52)	550 6,1	3 Other forms of heart disease (I30-I52)	265 5,3	3 Other forms of heart disease (I30-I52)	285 7,0
4 Influenza and pneumonia (J10-J18)	540 6,0	4 Chronic lower respiratory diseases (J40-J47)	251 5,0	4 Influenza and pneumonia (J10-J18)	268 6,6
5 Ischaemic heart diseases (I20-I25)	403 4,4	5 Cerebrovascular diseases (I60-I69)	242 4,9	5 Ischaemic heart diseases (I20-I25)	174 4,3
6 Chronic lower respiratory diseases (J40-J47)	377 4,2	6 Ischaemic heart diseases (I20-I25)	229 4,6	6 Diabetes mellitus (E10-E14)	162 4,0
7 Malignant neoplasms of digestive organs (C15-C26)	305 3,4	7 Malignant neoplasms of digestive organs (C15-C26)	187 3,7	7 Human immunodeficiency virus [HIV] disease (B20-B24)	162 4,0
8 Human immunodeficiency virus [HIV] disease (B20-B24)	278 3,1	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	130 2,6	8 Hypertensive diseases (I10-I15)	141 3,5
9 Diabetes mellitus (E10-E14)	251 2,8	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	126 2,5	9 Chronic lower respiratory diseases (J40-J47)	126 3,1
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	232 2,6	10 Human immunodeficiency virus [HIV] disease (B20-B24)	116 2,3	10 Malignant neoplasms of digestive organs (C15-C26)	118 2,9
... Other causes	4 750 52,4	... Other causes	2 664 53,4	... Other causes	2 010 49,2
... All causes	9 073 100,0	... All causes	4 988 100,0	... All causes	4 085 100,0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	232 21,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	126 21,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	106 21,2
2 Digestive system disorders of foetus and newborn (P75-P78)	186 17,3	2 Digestive system disorders of foetus and newborn (P75-P78)	90 15,6	2 Digestive system disorders of foetus and newborn (P75-P78)	96 19,2
3 Malnutrition (E40-E46)	60 5,6	3 Malnutrition (E40-E46)	31 5,4	3 Malnutrition (E40-E46)	29 5,8
4 Intestinal infectious diseases (A00-A09)	56 5,2	4 Intestinal infectious diseases (A00-A09)	29 5,0	4 Intestinal infectious diseases (A00-A09)	27 5,4
5 Disorders related to length of gestation and foetal growth (P05-P08)	47 4,4	5 Disorders related to length of gestation and foetal growth (P05-P08)	25 4,3	5 Disorders related to length of gestation and foetal growth (P05-P08)	22 4,4
6 Infections specific to the perinatal period (P35-P39)	36 3,3	6 Infections specific to the perinatal period (P35-P39)	17 2,9	6 Infections specific to the perinatal period (P35-P39)	19 3,8
7 Human immunodeficiency virus [HIV] disease (B20-B24)	32 3,0	7 Human immunodeficiency virus [HIV] disease (B20-B24)	17 2,9	7 Tuberculosis (A15-A19)	15 3,0
8 Other disorders originating in the perinatal period (P90-P96)	30 2,8	8 Other disorders originating in the perinatal period (P90-P96)	15 2,6	8 Other disorders originating in the perinatal period (P90-P96)	15 3,0
9 Tuberculosis (A15-A19)	22 2,0	9 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	12 2,1	9 Human immunodeficiency virus [HIV] disease (B20-B24)	15 3,0
10 Influenza and pneumonia (J10-J18)	18 1,7	10 Certain disorders involving the immune mechanism (D80-D89)	10 1,7	10 Influenza and pneumonia (J10-J18)	10 2,0
... Other causes	357 33,2	... Other causes	205 35,5	... Other causes	145 29,1
... All causes	1 076 100,0	... All causes	577 100,0	... All causes	499 100,0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	530 15,6	1 Tuberculosis (A15-A19)	305 15,6	1 Tuberculosis (A15-A19)	225 15,7
2 Influenza and pneumonia (J10-J18)	253 7,5	2 Influenza and pneumonia (J10-J18)	124 6,3	2 Human immunodeficiency virus [HIV] disease (B20-B24)	138 9,6
3 Human immunodeficiency virus [HIV] disease (B20-B24)	224 6,6	3 Human immunodeficiency virus [HIV] disease (B20-B24)	86 4,4	3 Influenza and pneumonia (J10-J18)	129 9,0
4 Other forms of heart disease (I30-I52)	118 3,5	4 Other forms of heart disease (I30-I52)	57 2,9	4 Certain disorders involving the immune mechanism (D80-D89)	70 4,9
5 Cerebrovascular diseases (I60-I69)	109 3,2	5 Cerebrovascular diseases (I60-I69)	55 2,8	5 Other forms of heart disease (I30-I52)	61 4,3
6 Certain disorders involving the immune mechanism (D80-D89)	102 3,0	6 Chronic lower respiratory diseases (J40-J47)	47 2,4	6 Cerebrovascular diseases (I60-I69)	54 3,8
7 Diseases of liver (K70-K77)	82 2,4	7 Ischaemic heart diseases (I20-I25)	45 2,3	7 Diseases of liver (K70-K77)	38 2,7
8 Chronic lower respiratory diseases (J40-J47)	80 2,4	8 Diseases of liver (K70-K77)	44 2,2	8 Chronic lower respiratory diseases (J40-J47)	33 2,3
9 Ischaemic heart diseases (I20-I25)	70 2,1	9 Episodic and paroxysmal disorders (G40-G47)	38 1,9	9 Intestinal infectious diseases (A00-A09)	32 2,2
10 Episodic and paroxysmal disorders (G40-G47)	60 1,8	10 Malignant neoplasms of digestive organs (C15-C26)	33 1,7	10 Malignant neoplasms of female genital organs (C51-C58)	31 2,2
... Other causes	1 761 52,0	... Other causes	1 123 57,4	... Other causes	621 43,4
... All causes	3 389 100,0	... All causes	1 957 100,0	... All causes	1 432 100,0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years	
1 Tuberculosis (A15-A19)	194 10,8	1 Tuberculosis (A15-A19)	138 12,9	1 Cerebrovascular diseases (I60-I69)	78 10,7
2 Cerebrovascular diseases (I60-I69)	140 7,8	2 Chronic lower respiratory diseases (J40-J47)	90 8,4	2 Tuberculosis (A15-A19)	56 7,7
3 Chronic lower respiratory diseases (J40-J47)	126 7,0	3 Malignant neoplasms of digestive organs (C15-C26)	74 6,9	3 Malignant neoplasms of female genital organs (C51-C58)	52 7,1
4 Other forms of heart disease (I30-I52)	122 6,8	4 Other forms of heart disease (I30-I52)	71 6,7	4 Other forms of heart disease (I30-I52)	51 7,0
5 Malignant neoplasms of digestive organs (C15-C26)	111 6,2	5 Ischaemic heart diseases (I20-I25)	62 5,8	5 Diabetes mellitus (E10-E14)	44 6,0
6 Ischaemic heart diseases (I20-I25)	102 5,7	6 Cerebrovascular diseases (I60-I69)	62 5,8	6 Ischaemic heart diseases (I20-I25)	40 5,5
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	93 5,2	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	60 5,6	7 Malignant neoplasms of digestive organs (C15-C26)	37 5,1
8 Influenza and pneumonia (J10-J18)	78 4,3	8 Influenza and pneumonia (J10-J18)	49 4,6	8 Chronic lower respiratory diseases (J40-J47)	36 4,9
9 Diabetes mellitus (E10-E14)	73 4,1	9 Diseases of liver (K70-K77)	30 2,8	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	33 4,5
10 Malignant neoplasms of female genital organs (C51-C58)	52 2,9	10 Diabetes mellitus (E10-E14)	29 2,7	10 Influenza and pneumonia (J10-J18)	29 4,0
... Other causes	708 39,4	... Other causes	402 37,7	... Other causes	276 37,7
... All causes	1 799 100,0	... All causes	1 067 100,0	... All causes	732 100,0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	313 11,1	1 Other forms of heart disease (I30-I52)	133 9,6	1 Cerebrovascular diseases (I60-I69)	190 13,4
2 Other forms of heart disease (I30-I52)	303 10,8	2 Cerebrovascular diseases (I60-I69)	123 8,9	2 Other forms of heart disease (I30-I52)	170 12,0
3 Ischaemic heart diseases (I20-I25)	231 8,2	3 Ischaemic heart diseases (I20-I25)	122 8,8	3 Ischaemic heart diseases (I20-I25)	109 7,7
4 Influenza and pneumonia (J10-J18)	191 6,5	4 Chronic lower respiratory diseases (J40-J47)	112 8,1	4 Influenza and pneumonia (J10-J18)	100 7,0
5 Chronic lower respiratory diseases (J40-J47)	168 6,0	5 Influenza and pneumonia (J10-J18)	91 6,6	5 Diabetes mellitus (E10-E14)	95 6,7
6 Malignant neoplasms of digestive organs (C15-C26)	144 5,1	6 Malignant neoplasms of digestive organs (C15-C26)	80 5,8	6 Hypertensive diseases (I10-I15)	95 6,7
7 Hypertensive diseases (I10-I15)	139 4,9	7 Tuberculosis (A15-A19)	56 4,0	7 Malignant neoplasms of digestive organs (C15-C26)	64 4,5
8 Diabetes mellitus (E10-E14)	136 4,8	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	55 4,0	8 Chronic lower respiratory diseases (J40-J47)	56 3,9
9 Tuberculosis (A15-A19)	73 2,6	9 Malignant neoplasms of male genital organs (C60-C63)	47 3,4	9 Intestinal infectious diseases (A00-A09)	36 2,5
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	69 2,5	10 Hypertensive diseases (I10-I15)	44 3,2	10 Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	28 2,0
... Other causes	1 042 37,1	... Other causes	524 37,8	... Other causes	479 33,7
... All causes	2 809 100,0	... All causes	1 387 100,0	... All causes	1 422 100,0

Excluding a total of 72 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 1999

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	3 015	9,6	1 855	11,2	1 398	9,5
2 Influenza and pneumonia (J10-J18)	2 766	8,8	1 368	8,2	1 160	7,9
3 Other forms of heart disease (I30-I52)	1 959	6,3	880	5,3	1 079	7,3
4 Cerebrovascular diseases (I60-I69)	1 708	5,5	786	4,7	978	6,7
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 665	5,3	730	4,4	879	6,0
6 Certain disorders involving the immune mechanism (D80-D89)	1 248	4,0	579	3,5	669	4,6
7 Intestinal infectious diseases (A00-A09)	1 146	3,7	549	3,3	628	4,3
8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	892	2,8	518	3,1	493	3,4
9 Chronic lower respiratory diseases (J40-J47)	846	2,7	441	2,7	451	3,1
10 Digestive system disorders of foetus and newborn (P75-P78)	828	2,6	432	2,6	441	3,0
... Other causes	15 246	48,7	8 478	51,0	6 527	44,4
... All causes	31 319	100,0	16 616	100,0	14 703	100,0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20 - P29)	892	20,4	441	19,5	451	21,4
2 Digestive system disorders of foetus and newborn (P75 - P78)	828	19,0	432	19,1	396	18,8
3 Intestinal infectious diseases (A00-A09)	322	7,4	161	7,1	161	7,6
4 Disorders related to length of gestation and fetal growth (P05 - P08)	214	4,9	115	5,1	116	5,5
5 Other disorders originating in the perinatal period (P90 - P96)	212	4,9	101	4,5	111	5,3
6 Malnutrition (E40 - E46)	206	4,7	98	4,3	91	4,3
7 Influenza and pneumonia (J10 - J18)	166	3,8	86	3,8	80	3,8
8 Certain disorders involving the immune mechanism (D80 - D89)	135	3,1	72	3,2	65	3,1
9 Human immunodeficiency virus [HIV] diseases (B20 - B24)	116	2,7	55	2,4	63	3,0
10 Infections specific to the perinatal period (P35 - P39)	111	2,5	51	2,3	56	2,7
... Other causes	1 161	26,6	646	28,6	515	24,5
... All causes	4 363	100,0	2 258	100,0	2 105	100,0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years		
1 Tuberculosis (A15-A19)	2 284	16,0	1 308	16,8	976	15,1
2 Influenza and pneumonia (J10 - J18)	1 677	11,8	779	10,0	898	13,9
3 Human immunodeficiency virus [HIV] diseases (B20 - B24)	1 442	10,1	684	8,8	758	11,8
4 Certain disorders involving the immune mechanism (D80 - D89)	1 032	7,2	453	5,8	579	9,0
5 Intestinal infectious diseases (A00-A09)	509	3,6	225	2,9	297	4,6
6 Other forms of heart disease (I30 - I52)	467	3,3	212	2,7	242	3,8
7 Cerebrovascular diseases (I60 - I69)	392	2,8	200	2,6	192	3,0
8 Diseases of liver (K70 - K77)	173	1,2	108	1,4	100	1,6
9 Inflammatory diseases of the central nervous system (G00 - G09)	156	1,1	78	1,0	78	1,2
10 Chronic lower respiratory diseases (J40 - J47)	133	0,9	77	1,0	71	1,1
... Other causes	5 978	42,0	3 670	47,1	2 258	35,0
... All causes	14 243	100,0	7 794	100,0	6 449	100,0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years		
1 Tuberculosis (A15-A19)	501	9,9	390	12,7	202	10,1
2 Other forms of heart disease (I30-I52)	423	8,4	236	7,7	196	9,8
3 Cerebrovascular diseases (I60-I69)	419	8,3	227	7,4	149	7,5
4 Influenza and pneumonia (J10-J18)	377	7,5	217	7,1	141	7,1
5 Chronic lower respiratory diseases (J40-J47)	234	4,6	167	5,5	111	5,6
6 Diabetes mellitus (E10-E14)	233	4,6	134	4,4	103	5,2
7 Hypertensive diseases (I10-I15)	198	3,9	121	4,0	101	5,1
8 Malignant neoplasms of digestive organs (C15-C26)	182	3,6	95	3,1	67	3,4
9 Ischaemic heart diseases (I20-I25)	180	3,6	84	2,7	59	3,0
10 Diseases of liver (K70-K77)	114	2,3	82	2,7	50	2,5
... Other causes	2 194	43,4	1 306	42,7	817	40,9
... All causes	5 055	100,0	3 059	100,0	1 996	100,0
Free State, both sexes, 65 years and above		Free State, male, 65 years and above		Free State, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	1 051	13,7	420	12,0	631	15,2
2 Cerebrovascular diseases (I60-I69)	882	11,5	305	8,7	578	13,9
3 Influenza and pneumonia (J10-J18)	546	7,1	304	8,7	316	7,6
4 Chronic lower respiratory diseases (J40-J47)	468	6,1	267	7,6	279	6,7
5 Hypertensive diseases (I10-I15)	462	6,0	210	6,0	237	5,7
6 Ischaemic heart diseases (I20-I25)	402	5,2	161	4,6	192	4,6
7 Diabetes mellitus (E10-E14)	364	4,8	146	4,2	163	3,9
8 Malignant neoplasms of digestive organs (C15-C26)	264	3,4	132	3,8	121	2,9
9 Intestinal infectious diseases (A00-A09)	212	2,8	127	3,6	103	2,5
10 Tuberculosis (A15-A19)	187	2,4	106	3,0	70	1,7
... Other causes	2 820	36,8	1 327	37,9	1 463	35,2
... All causes	7 658	100,0	3 505	100,0	4 153	100,0

Excluding a total of 198 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 1999

KwaZulu-Natal, both sexes, all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	9 138	10,8	1 Tuberculosis (A15-A19)	5 394	12,0	1 Tuberculosis (A15-A19)	3 744	9,5
2 Other forms of heart disease (I30-I52)	4 324	5,1	2 Other forms of heart disease (I30-I52)	2 041	4,5	2 Cerebrovascular diseases (I60-I69)	2 489	6,3
3 Cerebrovascular diseases (I60-I69)	4 210	5,0	3 Influenza and pneumonia (J10-J18)	1 907	4,2	3 Other forms of heart disease (I30-I52)	2 283	5,8
4 Influenza and pneumonia (J10-J18)	3 766	4,5	4 Cerebrovascular diseases (I60-I69)	1 721	3,8	4 Influenza and pneumonia (J10-J18)	1 859	4,7
5 Intestinal infectious diseases (A00-A09)	3 268	3,9	5 Intestinal infectious diseases (A00-A09)	1 484	3,3	5 Diabetes mellitus (E10-E14)	1 825	4,6
6 Diabetes mellitus (E10-E14)	2 951	3,5	6 Chronic lower respiratory diseases (J40-J47)	1 476	3,3	6 Intestinal infectious diseases (A00-A09)	1 784	4,5
7 Chronic lower respiratory diseases (J40-J47)	2 542	3,0	7 Diabetes mellitus (E10-E14)	1 126	2,5	7 Certain disorders involving the immune mechanism (D80-D89)	1 075	2,7
8 Certain disorders involving the immune mechanism (D80-D89)	1 908	2,3	8 Ischaemic heart diseases (I20-I25)	1 037	2,3	8 Chronic lower respiratory diseases (J40-J47)	1 066	2,7
9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 899	2,3	9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 013	2,3	9 Hypertensive diseases (I10-I15)	1 063	2,7
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 865	2,2	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	986	2,2	10 Human immunodeficiency virus [HIV] disease (B20-B24)	886	2,2
... Other causes	48 526	57,5	... Other causes	26 818	59,6	... Other causes	21 320	54,1
... All causes	84 397	100,0	... All causes	45 003	100,0	... All causes	39 394	100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 865	16,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	986	16,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	879	16,6
2 Digestive system disorders of foetus and newborn (P75-P78)	1 615	14,4	2 Digestive system disorders of foetus and newborn (P75-P78)	881	14,8	2 Digestive system disorders of foetus and newborn (P75-P78)	734	13,9
3 Other disorders originating in the perinatal period (P90-P96)	940	8,4	3 Other disorders originating in the perinatal period (P90-P96)	491	8,2	3 Other disorders originating in the perinatal period (P90-P96)	449	8,5
4 Intestinal infectious diseases (A00-A09)	803	7,1	4 Intestinal infectious diseases (A00-A09)	401	6,7	4 Intestinal infectious diseases (A00-A09)	402	7,6
5 Malnutrition (E40-E46)	379	3,4	5 Malnutrition (E40-E46)	187	3,1	5 Malnutrition (E40-E46)	192	3,6
6 Infections specific to the perinatal period (P35-P39)	352	3,1	6 Disorders related to length of gestation and foetal growth (P05-P08)	181	3,0	6 Infections specific to the perinatal period (P35-P39)	181	3,4
7 Disorders related to length of gestation and foetal growth (P05-P08)	351	3,1	7 Infections specific to the perinatal period (P35-P39)	171	2,9	7 Disorders related to length of gestation and foetal growth (P05-P08)	170	3,2
8 Influenza and pneumonia (J10-J18)	324	2,9	8 Influenza and pneumonia (J10-J18)	168	2,8	8 Influenza and pneumonia (J10-J18)	156	3,0
9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	277	2,5	9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	160	2,7	9 Certain disorders involving the immune mechanism (D80-D89)	133	2,5
10 Certain disorders involving the immune mechanism (D80-D89)	266	2,4	10 Certain disorders involving the immune mechanism (D80-D89)	133	2,2	10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	117	2,2
... Other causes	4 080	36,3	... Other causes	2 211	37,0	... Other causes	1 869	35,4
... All causes	11 252	100,0	... All causes	5 970	100,0	... All causes	5 282	100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years				
1 Tuberculosis (A15-A19)	6 966	18,3	1 Tuberculosis (A15-A19)	3 908	18,0	1 Tuberculosis (A15-A19)	3 058	18,8
2 Influenza and pneumonia (J10-J18)	2 062	5,4	2 Influenza and pneumonia (J10-J18)	1 000	4,6	2 Influenza and pneumonia (J10-J18)	1 062	6,5
3 Intestinal infectious diseases (A00-A09)	1 638	4,3	3 Human immunodeficiency virus [HIV] disease (B20-B24)	818	3,8	3 Intestinal infectious diseases (A00-A09)	927	5,7
4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 564	4,1	4 Intestinal infectious diseases (A00-A09)	711	3,3	4 Certain disorders involving the immune mechanism (D80-D89)	893	5,5
5 Certain disorders involving the immune mechanism (D80-D89)	1 526	4,0	5 Certain disorders involving the immune mechanism (D80-D89)	633	2,9	5 Human immunodeficiency virus [HIV] disease (B20-B24)	746	4,6
6 Other forms of heart disease (I30-I52)	1 101	2,9	6 Other forms of heart disease (I30-I52)	598	2,8	6 Other forms of heart disease (I30-I52)	503	3,1
7 Chronic lower respiratory diseases (J40-J47)	932	2,5	7 Chronic lower respiratory diseases (J40-J47)	489	2,3	7 Chronic lower respiratory diseases (J40-J47)	443	2,7
8 Cerebrovascular diseases (I60-I69)	828	2,2	8 Cerebrovascular diseases (I60-I69)	434	2,0	8 Cerebrovascular diseases (I60-I69)	394	2,4
9 Other viral diseases (B25-B34)	636	1,7	9 Diseases of liver (K70-K77)	280	1,3	9 Other viral diseases (B25-B34)	382	2,3
10 Inflammatory diseases of the central nervous system (G00-G09)	574	1,5	10 Inflammatory diseases of the central nervous system (G00-G09)	270	1,2	10 Inflammatory diseases of the central nervous system (G00-G09)	304	1,9
... Other causes	20 164	53,1	... Other causes	12 576	57,9	... Other causes	7 562	46,5
... All causes	37 991	100,0	... All causes	21 717	100,0	... All causes	16 274	100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 313	9,3	1 Tuberculosis (A15-A19)	948	11,3	1 Diabetes mellitus (E10-E14)	660	11,7
2 Diabetes mellitus (E10-E14)	1 099	7,8	2 Other forms of heart disease (I30-I52)	601	7,1	2 Cerebrovascular diseases (I60-I69)	545	9,7
3 Other forms of heart disease (I30-I52)	1 097	7,8	3 Cerebrovascular diseases (I60-I69)	519	6,2	3 Other forms of heart disease (I30-I52)	496	8,8
4 Cerebrovascular diseases (I60-I69)	1 064	7,6	4 Diabetes mellitus (E10-E14)	439	5,2	4 Tuberculosis (A15-A19)	365	6,5
5 Chronic lower respiratory diseases (J40-J47)	609	4,3	5 Chronic lower respiratory diseases (J40-J47)	431	5,1	5 Hypertensive diseases (I10-I15)	246	4,4
6 Ischaemic heart diseases (I20-I25)	498	3,5	6 Ischaemic heart diseases (I20-I25)	364	4,3	6 Intestinal infectious diseases (A00-A09)	182	3,2
7 Influenza and pneumonia (J10-J18)	496	3,5	7 Malignant neoplasms of digestive organs (C15-C26)	341	4,1	7 Chronic lower respiratory diseases (J40-J47)	178	3,2
8 Malignant neoplasms of digestive organs (C15-C26)	487	3,5	8 Influenza and pneumonia (J10-J18)	325	3,9	8 Influenza and pneumonia (J10-J18)	171	3,0
9 Hypertensive diseases (I10-I15)	436	3,1	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	213	2,5	9 Malignant neoplasms of female genital organs (C51-C58)	152	2,7
10 Intestinal infectious diseases (A00-A09)	374	2,7	10 Diseases of liver (K70-K77)	202	2,4	10 Malignant neoplasms of digestive organs (C15-C26)	146	2,6
... Other causes	6 591	46,9	... Other causes	4 035	47,9	... Other causes	2 505	44,4
... All causes	14 064	100,0	... All causes	8 418	100,0	... All causes	5 646	100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	2 291	10,9	1 Other forms of heart disease (I30-I52)	805	9,0	1 Cerebrovascular diseases (I60-I69)	1 537	12,6
2 Other forms of heart disease (I30-I52)	2 055	9,7	2 Cerebrovascular diseases (I60-I69)	754	8,5	2 Other forms of heart disease (I30-I52)	1 250	10,3
3 Diabetes mellitus (E10-E14)	1 437	6,8	3 Chronic lower respiratory diseases (J40-J47)	525	5,9	3 Diabetes mellitus (E10-E14)	956	7,8
4 Hypertensive diseases (I10-I15)	983	4,7	4 Diabetes mellitus (E10-E14)	481	5,4	4 Hypertensive diseases (I10-I15)	685	5,6
5 Chronic lower respiratory diseases (J40-J47)	943	4,5	5 Ischaemic heart diseases (I20-I25)	466	5,2	5 Influenza and pneumonia (J10-J18)	470	3,9
6 Ischaemic heart diseases (I20-I25)	919	4,4	6 Tuberculosis (A15-A19)	437	4,9	6 Ischaemic heart diseases (I20-I25)	453	3,7
7 Influenza and pneumonia (J10-J18)	884	4,2	7 Influenza and pneumonia (J10-J18)	414	4,7	7 Chronic lower respiratory diseases (J40-J47)	418	3,4
8 Tuberculosis (A15-A19)	677	3,2	8 Malignant neoplasms of digestive organs (C15-C26)	316	3,6	8 Intestinal infectious diseases (A00-A09)	273	2,2
9 Malignant neoplasms of digestive organs (C15-C26)	577	2,7	9 Hypertensive diseases (I10-I15)	298	3,3	9 Malignant neoplasms of digestive organs (C15-C26)	261	2,1
10 Intestinal infectious diseases (A00-A09)	453	2,1	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	196	2,2	10 Tuberculosis (A15-A19)	240	2,0
... Other causes	9 871	46,8	... Other causes	4 206	47,3	... Other causes	5 649	46,3
... All causes	21 090	100,0	... All causes	8 898	100,0	... All causes	12 192	100,0

Excluding a total of 1506 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 1999

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	3 228	1 890	11,1	1 338	9,0
2 Influenza and pneumonia (J10-J18)	2 280	1 183	6,9	1 097	7,4
3 Other forms of heart disease (I30-I52)	1 995	929	5,4	1 066	7,2
4 Cerebrovascular diseases (I60-I69)	1 829	816	4,8	1 013	6,8
5 Certain disorders involving the immune mechanism (D80-D89)	1 201	606	3,5	713	4,8
6 Intestinal infectious diseases (A00-A09)	1 123	509	3,0	624	4,2
7 Hypertensive diseases (I10-I15)	1 038	488	2,9	614	4,2
8 Chronic lower respiratory diseases (J40-J47)	921	485	2,8	492	3,3
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	903	475	2,8	428	2,9
10 Ischaemic heart diseases (I20-I25)	834	470	2,7	372	2,5
... Other causes	16 541	9 247	54,1	7 038	47,6
... All causes	31 893	17 098	100,0	14 795	100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	903	475	20,4	428	19,8
2 Digestive system disorders of foetus and newborn (P75-P78)	741	369	15,8	372	17,2
3 Intestinal infectious diseases (A00-A09)	340	161	6,9	179	8,3
4 Disorders related to length of gestation and foetal growth (P05-P08)	234	119	5,1	115	5,3
5 Malnutrition (E40-E46)	214	114	4,9	100	4,6
6 Other disorders originating in the perinatal period (P90-P96)	203	112	4,8	91	4,2
7 Certain disorders involving the immune mechanism (D80-D89)	155	77	3,3	78	3,6
8 Influenza and pneumonia (J10-J18)	150	73	3,1	77	3,6
9 Infections specific to the perinatal period (P35-P39)	140	70	3,0	70	3,2
10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	79	36	1,5	43	2,0
... Other causes	1 339	727	31,2	612	28,3
... All causes	4 498	2 333	100,0	2 165	100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years	
1 Tuberculosis (A15-A19)	2 325	1 237	17,1	1 088	17,9
2 Influenza and pneumonia (J10-J18)	1 243	572	7,9	671	11,0
3 Certain disorders involving the immune mechanism (D80-D89)	951	374	5,2	586	9,6
4 Human immunodeficiency virus [HIV] disease (B20-B24)	662	365	5,1	294	4,8
5 Other forms of heart disease (I30-I52)	539	245	3,4	288	4,7
6 Intestinal infectious diseases (A00-A09)	468	225	3,1	268	4,4
7 Cerebrovascular diseases (I60-I69)	325	200	2,8	152	2,5
8 Chronic lower respiratory diseases (J40-J47)	203	173	2,4	104	1,7
9 Diseases of liver (K70-K77)	157	101	1,4	96	1,6
10 Other viral diseases (B25-B34)	153	99	1,4	93	1,5
... Other causes	6 277	3 756	52,0	2 443	40,2
... All causes	13 303	7 220	100,0	6 083	100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years	
1 Tuberculosis (A15-A19)	547	400	12,2	205	10,1
2 Other forms of heart disease (I30-I52)	437	240	7,3	197	9,7
3 Cerebrovascular diseases (I60-I69)	434	236	7,2	147	7,2
4 Influenza and pneumonia (J10-J18)	343	229	7,0	146	7,2
5 Chronic lower respiratory diseases (J40-J47)	269	196	6,0	119	5,9
6 Malignant neoplasms of digestive organs (C15-C26)	248	166	5,0	107	5,3
7 Diabetes mellitus (E10-E14)	241	150	4,6	82	4,0
8 Hypertensive diseases (I10-I15)	239	120	3,6	77	3,8
9 Ischaemic heart diseases (I20-I25)	223	98	3,0	73	3,6
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	129	95	2,9	70	3,6
... Other causes	2 206	1 358	41,3	802	39,5
... All causes	5 316	3 288	100,0	2 028	100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	1 055	435	10,2	648	14,3
2 Other forms of heart disease (I30-I52)	896	407	9,6	561	12,4
3 Hypertensive diseases (I10-I15)	677	308	7,2	444	9,8
4 Influenza and pneumonia (J10-J18)	544	302	7,1	288	6,4
5 Ischaemic heart diseases (I20-I25)	460	237	5,6	242	5,4
6 Chronic lower respiratory diseases (J40-J47)	440	233	5,5	233	4,9
7 Diabetes mellitus (E10-E14)	425	219	5,1	122	2,9
8 Malignant neoplasms of digestive organs (C15-C26)	322	212	5,0	110	2,4
9 Tuberculosis (A15-A19)	287	137	3,2	101	2,2
10 Intestinal infectious diseases (A00-A09)	190	192	4,5	86	1,9
... Other causes	3 380	1 653	38,8	1 684	1958,1
... All causes	8 776	4 257	100,0	4 519	5254,7

Excluding a total of 398 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 1999

Gauteng, both sexes, all ages		Gauteng, male, all ages		Gauteng, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	4 852	6,5	1 Tuberculosis (A15-A19)	3 028	7,3	1 Other forms of heart disease (I30-I52)	2 191	6,7
2 Other forms of heart disease (I30-I52)	4 176	5,6	2 Other forms of heart diseases (I30 - I52)	1 985	4,8	2 Cerebrovascular diseases (I60-I69)	1 872	5,7
3 Influenza and pneumonia (J10-J18)	3 798	5,1	3 Influenza and pneumonia (J10 - J18)	1 959	4,7	3 Influenza and pneumonia (J10-J18)	1 839	5,6
4 Cerebrovascular diseases (I60-I69)	3 374	4,5	4 Cerebrovascular diseases (I60 - I69)	1 502	3,6	4 Tuberculosis (A15-A19)	1 824	5,6
5 Ischaemic heart diseases (I20-I25)	2 474	3,3	5 Ischaemic heart diseases (I20 - I25)	1 495	3,6	5 Diabetes mellitus (E10-E14)	1 328	4,0
6 Diabetes mellitus (E10-E14)	2 360	3,2	6 Chronic lower respiratory diseases (J40 - J47)	1 198	2,9	6 Hypertensive diseases (I10-I15)	1 012	3,1
7 Human immunodeficiency virus [HIV] disease (B20-B24)	2 036	2,7	7 Malignant neoplasms of digestive organs (C15 - C26)	1 088	2,6	7 Human immunodeficiency virus [HIV] disease (B20-B24)	994	3,0
8 Chronic lower respiratory diseases (J40-J47)	2 003	2,7	8 Human immunodeficiency virus [HIV] diseases (B20 -B24)	1 042	2,5	8 Ischaemic heart diseases (I20-I25)	979	3,0
9 Malignant neoplasms of digestive organs (C15-C26)	1 840	2,5	9 Diabetes mellitus (E10 - E14)	1 032	2,5	9 Chronic lower respiratory diseases (J40-J47)	805	2,5
10 Hypertensive diseases (I10-I15)	1 648	2,2	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20 - P29)	850	2,1	10 Intestinal infectious diseases (A00-A09)	799	2,4
... Other causes	45 632	61,5	... Other causes	26 187	63,3	... Other causes	19 184	58,4
... All causes	74 193	100,0	... All causes	41 366	100,0	... All causes	32 827	100,0
Gauteng, both sexes, 0-14 years		Gauteng, male, 0-14 years		Gauteng, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 643	18,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	850	18,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	793	18,8
2 Other disorders originating in the perinatal period (P90-P96)	1 016	11,5	2 Digestive system disorders of foetus and newborn (P75-P78)	527	11,3	2 Other disorders originating in the perinatal period (P90-P96)	494	11,7
3 Digestive system disorders of foetus and newborn (P75-P78)	994	11,2	3 Other disorders originating in the perinatal period (P90-P96)	522	11,2	3 Digestive system disorders of foetus and newborn (P75-P78)	467	11,1
4 Infections specific to the perinatal period (P35-P39)	354	4,0	4 Infections specific to the perinatal period (P35-P39)	184	4,0	4 Certain disorders involving the immune mechanism (D80-D89)	174	4,1
5 Certain disorders involving the immune mechanism (D80-D89)	326	3,7	5 Certain disorders involving the immune mechanism (D80-D89)	152	3,3	5 Infections specific to the perinatal period (P35-P39)	170	4,0
6 Intestinal infectious diseases (A00-A09)	284	3,2	6 Other viral diseases (B25-B34)	135	2,9	6 Intestinal infectious diseases (A00-A09)	165	3,9
7 Other viral diseases (B25-B34)	254	2,9	7 Influenza and pneumonia (J10-J18)	122	2,6	7 Other viral diseases (B25-B34)	119	2,8
8 Disorders related to length of gestation and foetal growth (P05-P08)	227	2,6	8 Intestinal infectious diseases (A00-A09)	119	2,6	8 Disorders related to length of gestation and foetal growth (P05-P08)	108	2,6
9 Influenza and pneumonia (J10-J18)	215	2,4	9 Disorders related to length of gestation and foetal growth (P05-P08)	119	2,6	9 Human immunodeficiency virus [HIV] disease (B20-B24)	95	2,3
10 Human immunodeficiency virus [HIV] disease (B20-B24)	180	2,0	10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	91	2,0	10 Malnutrition (E40-E46)	94	2,2
... Other causes	3 369	38,0	... Other causes	1 830	39,3	... Other causes	1 532	36,4
... All causes	8 862	100,0	... All causes	4 651	100,0	... All causes	4 211	100,0
Gauteng, both sexes, 15-49 years		Gauteng, male, 15-49 years		Gauteng, female, 15-49 years				
1 Tuberculosis (A15-A19)	3 609	11,5	1 Tuberculosis (A15-A19)	2 129	11,1	1 Tuberculosis (A15-A19)	1 480	12,2
2 Influenza and pneumonia (J10-J18)	1 999	6,4	2 Influenza and pneumonia (J10 - J18)	1 031	5,4	2 Influenza and pneumonia (J10-J18)	968	8,0
3 Human immunodeficiency virus [HIV] disease (B20-B24)	1 702	5,4	3 Human immunodeficiency virus [HIV] diseases (B20 -B24)	856	4,5	3 Human immunodeficiency virus [HIV] disease (B20-B24)	846	7,0
4 Other forms of heart disease (I30-I52)	1 017	3,2	4 Other forms of heart diseases (I30 - I52)	540	2,8	4 Certain disorders involving the immune mechanism (D80-D89)	498	4,1
5 Certain disorders involving the immune mechanism (D80-D89)	949	3,0	5 Certain disorders involving the immune mechanism (D80 - D89)	451	2,4	5 Other forms of heart disease (I30-I52)	477	3,9
6 Cerebrovascular diseases (I60-I69)	722	2,3	6 Cerebrovascular diseases (I60 - I69)	380	2,0	6 Intestinal infectious diseases (A00-A09)	369	3,0
7 Intestinal infectious diseases (A00-A09)	672	2,1	7 Intestinal infectious diseases (A00-A09)	303	1,6	7 Cerebrovascular diseases (I60-I69)	342	2,8
8 Other viral diseases (B25-B34)	583	1,9	8 Other viral diseases (B25 -B34)	274	1,4	8 Other viral diseases (B25-B34)	309	2,5
9 Diseases of liver (K70-K77)	366	1,2	9 Diseases of liver (K70 - K77)	229	1,2	9 Malignant neoplasms of female genital organs (C51-C58)	209	1,7
10 Inflammatory diseases of the central nervous system (G00-G09)	361	1,2	10 Ischaemic heart diseases (I20 - I25)	228	1,2	10 Inflammatory diseases of the central nervous system (G00-G09)	172	1,4
... Other causes	19 343	61,8	... Other causes	12 768	66,5	... Other causes	6 464	53,3
... All causes	31 323	100,0	... All causes	19 189	100,0	... All causes	12 134	100,0
Gauteng, both sexes, 50-64 years		Gauteng, male, 50-64 years		Gauteng, female, 50-64 years				
1 Other forms of heart disease (I30-I52)	908	6,9	1 Tuberculosis (A15-A19)	609	7,5	1 Cerebrovascular diseases (I60-I69)	402	7,8
2 Cerebrovascular diseases (I60-I69)	848	6,4	2 Other forms of heart disease (I30-I52)	537	6,6	2 Diabetes mellitus (E10-E14)	383	7,5
3 Tuberculosis (A15-A19)	794	6,0	3 Ischaemic heart diseases (I20-I25)	495	6,1	3 Other forms of heart disease (I30-I52)	371	7,2
4 Diabetes mellitus (E10-E14)	739	5,6	4 Cerebrovascular diseases (I60-I69)	446	5,5	4 Malignant neoplasms of digestive organs (C15-C26)	240	4,7
5 Malignant neoplasms of digestive organs (C15-C26)	658	5,0	5 Malignant neoplasms of digestive organs (C15-C26)	418	5,2	5 Hypertensive diseases (I10-I15)	226	4,4
6 Ischaemic heart diseases (I20-I25)	655	5,0	6 Chronic lower respiratory diseases (J40-J47)	388	4,8	6 Malignant neoplasms of female genital organs (C51-C58)	219	4,3
7 Chronic lower respiratory diseases (J40-J47)	588	4,4	7 Diabetes mellitus (E10-E14)	356	4,4	7 Influenza and pneumonia (J10-J18)	208	4,1
8 Influenza and pneumonia (J10-J18)	535	4,0	8 Influenza and pneumonia (J10-J18)	327	4,0	8 Chronic lower respiratory diseases (J40-J47)	200	3,9
9 Hypertensive diseases (I10-I15)	421	3,2	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	307	3,8	9 Tuberculosis (A15-A19)	185	3,6
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	402	3,0	10 Diseases of liver (K70-K77)	215	2,7	10 Malignant neoplasms of breast (C50)	178	3,5
... Other causes	6 672	50,5	... Other causes	3 991	49,3	... Other causes	2 519	49,1
... All causes	13 220	100,0	... All causes	8 089	100,0	... All causes	5 131	100,0
Gauteng, both sexes, 65 years and above		Gauteng, male, 65 years and above		Gauteng, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	2 189	10,5	1 Other forms of heart disease (I30-I52)	877	4,2	1 Other forms of heart disease (I30-I52)	1 312	6,3
2 Cerebrovascular diseases (I60-I69)	1 784	8,6	2 Ischaemic heart diseases (I20-I25)	769	3,1	2 Cerebrovascular diseases (I60-I69)	1 118	5,4
3 Ischaemic heart diseases (I20-I25)	1 496	7,2	3 Cerebrovascular diseases (I60-I69)	666	3,1	3 Diabetes mellitus (E10-E14)	801	3,9
4 Diabetes mellitus (E10-E14)	1 276	6,1	4 Chronic lower respiratory diseases (J40-J47)	624	2,9	4 Ischaemic heart diseases (I20-I25)	727	3,5
5 Chronic lower respiratory diseases (J40-J47)	1 085	5,2	5 Influenza and pneumonia (J10-J18)	479	2,2	5 Hypertensive diseases (I10-I15)	671	3,2
6 Influenza and pneumonia (J10-J18)	1 049	5,0	6 Diabetes mellitus (E10-E14)	475	2,2	6 Influenza and pneumonia (J10-J18)	570	2,7
7 Hypertensive diseases (I10-I15)	1 004	4,8	7 Malignant neoplasms of digestive organs (C15-C26)	457	2,1	7 Chronic lower respiratory diseases (J40-J47)	461	2,2
8 Malignant neoplasms of digestive organs (C15-C26)	861	4,1	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	338	1,5	8 Malignant neoplasms of digestive organs (C15-C26)	404	1,9
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	483	2,3	9 Hypertensive diseases (I10-I15)	333	1,5	9 Malignant neoplasms of female genital organs (C51-C58)	214	1,0
10 Renal failure (N17-N19)	392	1,9	10 Malignant neoplasms of male genital organs (C60-C63)	314	1,4	10 Renal failure (N17-N19)	198	1,0
... Other causes	9 169	44,1	... Other causes	4 105	18,8	... Other causes	4 875	23,5
... All causes	20 788	100,0	... All causes	9 437	100,0	... All causes	11 351	54,6

Excluding a total of 840 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 1999

Mpumalanga, both sexes, all ages		Mpumalanga, male, all ages		Mpumalanga, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	2 168	8,5	1 310	9,4	858	7,4
2 Influenza and pneumonia (J10-J18)	1 417	5,6	741	5,3	691	6,0
3 Other forms of heart disease (I30-I52)	1 317	5,2	626	4,5	687	5,9
4 Cerebrovascular diseases (I60-I69)	1 304	5,1	617	4,4	676	5,8
5 Certain disorders involving the immune mechanism (D80-D89)	1 044	4,1	523	3,8	521	4,5
6 Intestinal infectious diseases (A00-A09)	949	3,7	471	3,4	503	4,3
7 Hypertensive diseases (I10-I15)	808	3,2	446	3,2	497	4,3
8 Human immunodeficiency virus [HIV] disease (B20-B24)	765	3,0	366	2,6	422	3,6
9 Chronic lower respiratory diseases (J40-J47)	752	3,0	352	2,5	399	3,4
10 Diabetes mellitus (E10-E14)	725	2,8	332	2,4	329	2,8
... Other causes	14 232	55,9	8 111	58,4	6 003	51,8
... All causes	25 481	100,0	13 895	100,0	11 586	100,0
Mpumalanga, both sexes, 0-14 years		Mpumalanga, male, 0-14 years		Mpumalanga, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	649	18,4	320	17,7	329	19,3
2 Digestive system disorders of foetus and newborn (P75-P78)	599	17,0	317	17,5	282	16,5
3 Intestinal infectious diseases (A00-A09)	239	6,8	122	6,7	117	6,9
4 Other disorders originating in the perinatal period (P90-P96)	194	5,5	89	4,9	105	6,1
5 Disorders related to length of gestation and foetal growth (P05-P08)	127	3,6	73	4,0	66	3,9
6 Certain disorders involving the immune mechanism (D80-D89)	116	3,3	55	3,0	54	3,2
7 Malnutrition (E40-E46)	105	3,0	53	2,9	50	2,9
8 Infections specific to the perinatal period (P35-P39)	95	2,7	50	2,8	49	2,9
9 Influenza and pneumonia (J10-J18)	86	2,4	50	2,8	45	2,6
10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	79	2,2	49	2,7	30	1,8
... Other causes	1 230	35,0	633	35,0	581	34,0
... All causes	3 519	100,0	1 811	100,0	1 708	100,0
Mpumalanga, both sexes, 15-49 years		Mpumalanga, male, 15-49 years		Mpumalanga, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 479	13,4	825	13,0	654	13,9
2 Certain disorders involving the immune mechanism (D80-D89)	842	7,6	422	6,7	420	8,9
3 Influenza and pneumonia (J10-J18)	752	6,8	378	6,0	374	7,9
4 Human immunodeficiency virus [HIV] disease (B20-B24)	646	5,8	307	4,9	339	7,2
5 Intestinal infectious diseases (A00-A09)	412	3,7	177	2,8	235	5,0
6 Other forms of heart disease (I30-I52)	302	2,7	148	2,3	169	3,6
7 Cerebrovascular diseases (I60-I69)	281	2,5	133	2,1	133	2,8
8 Chronic lower respiratory diseases (J40-J47)	167	1,5	104	1,6	81	1,7
9 Malignant neoplasms of digestive organs (C15-C26)	164	1,5	104	1,6	67	1,4
10 Diseases of liver (K70-K77)	157	1,4	97	1,5	65	1,4
... Other causes	5 845	52,9	3 631	57,4	2 184	46,3
... All causes	11 047	100,0	6 326	100,0	4 721	100,0
Mpumalanga, both sexes, 50-64 years		Mpumalanga, male, 50-64 years		Mpumalanga, female, 50-64 years		
1 Tuberculosis (A15-A19)	416	9,7	306	11,8	147	8,6
2 Cerebrovascular diseases (I60-I69)	318	7,4	171	6,6	134	7,9
3 Other forms of heart disease (I30-I52)	299	7,0	171	6,6	128	7,5
4 Chronic lower respiratory diseases (J40-J47)	249	5,8	167	6,5	116	6,8
5 Diabetes mellitus (E10-E14)	225	5,2	142	5,5	110	6,5
6 Hypertensive diseases (I10-I15)	218	5,1	125	4,8	82	4,8
7 Influenza and pneumonia (J10-J18)	218	5,1	110	4,2	76	4,5
8 Malignant neoplasms of digestive organs (C15-C26)	175	4,1	102	3,9	72	4,2
9 Ischaemic heart diseases (I20-I25)	165	3,8	91	3,5	55	3,2
10 Diseases of liver (K70-K77)	132	3,1	90	3,5	50	2,9
... Other causes	1 874	43,7	1 114	43,0	730	42,9
... All causes	4 289	100,0	2 589	100,0	1 700	100,0
Mpumalanga, both sexes, 65 years and above		Mpumalanga, male, 65 years and above		Mpumalanga, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	690	10,4	309	9,8	395	11,4
2 Cerebrovascular diseases (I60-I69)	690	10,4	295	9,3	381	11,0
3 Hypertensive diseases (I10-I15)	466	7,0	187	5,9	319	9,2
4 Diabetes mellitus (E10-E14)	370	5,6	184	5,8	222	6,4
5 Influenza and pneumonia (J10-J18)	361	5,4	156	4,9	177	5,1
6 Chronic lower respiratory diseases (J40-J47)	316	4,8	148	4,7	161	4,7
7 Ischaemic heart diseases (I20-I25)	293	4,4	147	4,6	129	3,7
8 Malignant neoplasms of digestive organs (C15-C26)	229	3,5	132	4,2	110	3,2
9 Tuberculosis (A15-A19)	224	3,4	128	4,0	101	2,9
10 Intestinal infectious diseases (A00-A09)	200	3,0	90	2,8	73	2,1
... Other causes	2 787	42,1	1 393	44,0	1 389	40,2
... All causes	6 626	100,0	3 169	100,0	3 457	100,0

Excluding a total of 312 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 1999

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	1 810	1 178	7,8	1 Influenza and pneumonia (J10-J18)	813	5,9
2 Influenza and pneumonia (J10-J18)	1 696	883	5,9	2 Cerebrovascular diseases (I60-I69)	783	5,7
3 Other forms of heart disease (I30-I52)	1 431	669	4,5	3 Other forms of heart disease (I30-I52)	762	5,5
4 Cerebrovascular diseases (I60-I69)	1 381	598	4,0	4 Tuberculosis (A15-A19)	632	4,6
5 Intestinal infectious diseases (A00-A09)	1 121	509	3,4	5 Intestinal infectious diseases (A00-A09)	612	4,4
6 Hypertensive diseases (I10-I15)	1 048	498	3,3	6 Hypertensive diseases (I10-I15)	553	4,0
7 Ischaemic heart diseases (I20-I25)	945	495	3,3	7 Ischaemic heart diseases (I20-I25)	447	3,2
8 Diabetes mellitus (E10-E14)	781	462	3,1	8 Diabetes mellitus (E10-E14)	441	3,2
9 Chronic lower respiratory diseases (J40-J47)	743	391	2,6	9 Chronic lower respiratory diseases (J40-J47)	281	2,0
10 Malignant neoplasms of digestive organs (C15-C26)	668	381	2,5	10 Malignant neoplasms of digestive organs (C15-C26)	277	2,0
... Other causes	17 184	8 955	59,6	... Other causes	8 188	59,4
... All causes	28 808	15 019	100,0	... All causes	13 789	100,0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	489	264	17,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	225	15,7
2 Digestive system disorders of foetus and newborn (P75-P78)	314	156	10,2	2 Digestive system disorders of foetus and newborn (P75-P78)	158	11,0
3 Intestinal infectious diseases (A00-A09)	234	114	7,4	3 Intestinal infectious diseases (A00-A09)	120	8,4
4 Influenza and pneumonia (J10-J18)	169	92	6,0	4 Influenza and pneumonia (J10-J18)	77	5,4
5 Malnutrition (E40-E46)	119	54	3,5	5 Other disorders originating in the perinatal period (P90-P96)	67	4,7
6 Other disorders originating in the perinatal period (P90-P96)	118	51	3,3	6 Malnutrition (E40-E46)	65	4,5
7 Disorders related to length of gestation and foetal growth (P05-P08)	78	45	2,9	7 Inflammatory diseases of the central nervous system (G00-G09)	33	2,3
8 Infections specific to the perinatal period (P35-P39)	72	44	2,9	8 Disorders related to length of gestation and foetal growth (P05-P08)	33	2,3
9 Inflammatory diseases of the central nervous system (G00-G09)	67	34	2,2	9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	28	2,0
10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	58	30	2,0	10 Infections specific to the perinatal period (P35-P39)	28	2,0
... Other causes	1 250	651	42,4	... Other causes	599	41,8
... All causes	2 968	1 535	100,0	... All causes	1 433	100,0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 121	662	11,7	1 Tuberculosis (A15-A19)	459	10,3
2 Influenza and pneumonia (J10-J18)	818	391	6,9	2 Influenza and pneumonia (J10-J18)	427	9,5
3 Intestinal infectious diseases (A00-A09)	446	202	3,6	3 Intestinal infectious diseases (A00-A09)	249	5,6
4 Human immunodeficiency virus [HIV] disease (B20-B24)	403	197	3,5	4 Human immunodeficiency virus [HIV] disease (B20-B24)	201	4,5
5 Certain disorders involving the immune mechanism (D80-D89)	361	161	2,9	5 Certain disorders involving the immune mechanism (D80-D89)	200	4,5
6 Other forms of heart disease (I30-I52)	302	136	2,4	6 Other forms of heart disease (I30-I52)	166	3,7
7 Hypertensive diseases (I10-I15)	256	134	2,4	7 Hypertensive diseases (I10-I15)	122	2,7
8 Cerebrovascular diseases (I60-I69)	230	133	2,4	8 Cerebrovascular diseases (I60-I69)	119	2,7
9 Protozoal diseases (B50-B64)	219	121	2,1	9 Protozoal diseases (B50-B64)	98	2,2
10 Chronic lower respiratory diseases (J40-J47)	198	120	2,1	10 Malignant neoplasms of female genital organs (C51-C58)	95	2,1
... Other causes	5 963	3 385	60,0	... Other causes	2 341	52,3
... All causes	10 119	5 642	100,0	... All causes	4 477	100,0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years		
1 Tuberculosis (A15-A19)	368	294	9,4	1 Cerebrovascular diseases (I60-I69)	170	8,6
2 Hypertensive diseases (I10-I15)	368	200	6,4	2 Hypertensive diseases (I10-I15)	168	8,5
3 Cerebrovascular diseases (I60-I69)	322	181	5,8	3 Other forms of heart disease (I30-I52)	125	6,3
4 Other forms of heart disease (I30-I52)	306	172	5,4	4 Diabetes mellitus (E10-E14)	113	5,7
5 Ischaemic heart diseases (I20-I25)	271	152	4,9	5 Ischaemic heart diseases (I20-I25)	99	5,0
6 Influenza and pneumonia (J10-J18)	224	150	4,8	6 Malignant neoplasms of female genital organs (C51-C58)	86	4,4
7 Diabetes mellitus (E10-E14)	222	147	4,7	7 Influenza and pneumonia (J10-J18)	77	3,9
8 Malignant neoplasms of digestive organs (C15-C26)	216	129	4,1	8 Intestinal infectious diseases (A00-A09)	76	3,9
9 Chronic lower respiratory diseases (J40-J47)	187	117	3,7	9 Tuberculosis (A15-A19)	74	3,8
10 Diseases of liver (K70-K77)	168	109	3,5	10 Malignant neoplasms of digestive organs (C15-C26)	66	3,3
... Other causes	2 440	1 470	47,1	... Other causes	917	46,5
... All causes	5 092	3 121	100,0	... All causes	1 971	100,0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above		
1 Cerebrovascular diseases (I60-I69)	817	340	7,2	1 Cerebrovascular diseases (I60-I69)	485	8,2
2 Other forms of heart disease (I30-I52)	791	332	7,0	2 Other forms of heart disease (I30-I52)	451	7,6
3 Ischaemic heart diseases (I20-I25)	602	283	6,0	3 Ischaemic heart diseases (I20-I25)	319	5,4
4 Influenza and pneumonia (J10-J18)	485	253	5,4	4 Diabetes mellitus (E10-E14)	268	4,5
5 Diabetes mellitus (E10-E14)	423	202	4,3	5 Hypertensive diseases (I10-I15)	259	4,4
6 Hypertensive diseases (I10-I15)	419	201	4,3	6 Influenza and pneumonia (J10-J18)	232	3,9
7 Chronic lower respiratory diseases (J40-J47)	342	167	3,5	7 Intestinal infectious diseases (A00-A09)	167	2,8
8 Malignant neoplasms of digestive organs (C15-C26)	317	160	3,4	8 Malignant neoplasms of digestive organs (C15-C26)	150	2,5
9 Intestinal infectious diseases (A00-A09)	286	155	3,3	9 Chronic lower respiratory diseases (J40-J47)	140	2,4
10 Tuberculosis (A15-A19)	279	127	2,7	10 Diseases of liver (K70-K77)	93	1,6
... Other causes	5 868	2 501	53,0	... Other causes	3 344	56,6
... All causes	10 629	4 721	100,0	... All causes	5 908	100,0

Excluding a total of 309 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 2000

South Africa, both sexes, all ages		South Africa, male, all ages		South Africa, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	41 796	10.2	1 Tuberculosis (A15-A19)	24 314	11.2	1 Tuberculosis (A15-A19)	17 482	9.0
2 Influenza and pneumonia (J10-J18)	24 442	6.0	2 Influenza and pneumonia (J10-J18)	11 962	5.5	2 Influenza and pneumonia (J10-J18)	12 480	6.5
3 Cerebrovascular diseases (I60-I69)	21 843	5.3	3 Other forms of heart disease (I30-I52)	9 843	4.5	3 Cerebrovascular diseases (I60-I69)	12 425	6.4
4 Other forms of heart disease (I30-I52)	21 323	5.2	4 Cerebrovascular diseases (I60-I69)	9 418	4.3	4 Other forms of heart disease (I30-I52)	11 480	5.9
5 Intestinal infectious diseases (A00-A09)	14 034	3.4	5 Chronic lower respiratory diseases (J40-J47)	7 921	3.7	5 Diabetes mellitus (E10-E14)	8 212	4.2
6 Diabetes mellitus (E10-E14)	13 496	3.3	6 Ischaemic heart diseases (I20-I25)	6 694	3.1	6 Intestinal infectious diseases (A00-A09)	7 897	4.1
7 Chronic lower respiratory diseases (J40-J47)	13 206	3.2	7 Intestinal infectious diseases (A00-A09)	6 137	2.8	7 Hypertensive diseases (I10-I15)	6 262	3.2
8 Ischaemic heart diseases (I20-I25)	11 601	2.8	8 Malignant neoplasms of digestive organs (C15-C26)	5 363	2.5	8 Certain disorders involving the immune mechanism (D80-D89)	6 127	3.2
9 Certain disorders involving the immune mechanism (D80-D89)	10 828	2.6	9 Diabetes mellitus (E10-E14)	5 284	2.4	9 Chronic lower respiratory diseases (J40-J47)	5 285	2.7
10 Human immunodeficiency virus [HIV] disease (B20-B24)	10 321	2.5	10 Human immunodeficiency virus [HIV] disease (B20-B24)	5 094	2.4	10 Human immunodeficiency virus [HIV] disease (B20-B24)	5 227	2.7
... Other causes	226 975	55.4	... Other causes	124 508	57.5	... Other causes	100 450	52.0
... All causes	409 865	100.0	... All causes	216 538	100.0	... All causes	193 327	100.0
South Africa, both sexes, 0-14 years		South Africa, male, 0-14 years		South Africa, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	8 655	19.1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	4 519	18.8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	4 136	19.4
2 Digestive system disorders of foetus and newborn (P75-P78)	5 464	12.0	2 Digestive system disorders of foetus and newborn (P75-P78)	2 904	12.1	2 Digestive system disorders of foetus and newborn (P75-P78)	2 560	12.0
3 Other disorders originating in the perinatal period (P90-P96)	3 175	7.0	3 Other disorders originating in the perinatal period (P90-P96)	1 651	6.9	3 Other disorders originating in the perinatal period (P90-P96)	1 524	7.1
4 Intestinal infectious diseases (A00-A09)	2 719	6.0	4 Intestinal infectious diseases (A00-A09)	1 372	5.7	4 Intestinal infectious diseases (A00-A09)	1 347	6.3
5 Influenza and pneumonia (J10-J18)	1 685	3.7	5 Disorders related to the length of gestation and foetal growth (P05-P08)	846	3.5	5 Influenza and pneumonia (J10-J18)	845	4.0
6 Disorders related to the length of gestation and foetal growth (P05-P08)	1 604	3.5	6 Influenza and pneumonia (J10-J18)	840	3.5	6 Disorders related to the length of gestation and foetal growth (P05-P08)	758	3.6
7 Infections specific to the perinatal period (P35-P39)	1 525	3.4	7 Infections specific to the perinatal period (P35-P39)	798	3.3	7 Infections specific to the perinatal period (P35-P39)	727	3.4
8 Certain disorders involving the immune mechanism (D80-D89)	1 453	3.2	8 Certain disorders involving the immune mechanism (D80-D89)	740	3.1	8 Certain disorders involving the immune mechanism (D80-D89)	713	3.3
9 Malnutrition (E40-E46)	1 440	3.2	9 Malnutrition (E40-E46)	737	3.1	9 Malnutrition (E40-E46)	703	3.3
10 Human immunodeficiency virus [HIV] disease (B20-B24)	950	2.1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	474	2.0	10 Human immunodeficiency virus [HIV] disease (B20-B24)	476	2.2
... Other causes	16 696	36.8	... Other causes	9 157	38.1	... Other causes	7 539	35.3
... All causes	45 366	100.0	... All causes	24 038	100.0	... All causes	21 328	100.0
South Africa, both sexes, 15-49 years		South Africa, male, 15-49 years		South Africa, female, 15-49 years				
1 Tuberculosis (A15-A19)	30 333	17.2	1 Tuberculosis (A15-A19)	16 595	17.0	1 Tuberculosis (A15-A19)	13 738	17.6
2 Influenza and pneumonia (J10-J18)	13 950	7.9	2 Influenza and pneumonia (J10-J18)	6 448	6.6	2 Influenza and pneumonia (J10-J18)	7 502	9.6
3 Human immunodeficiency virus [HIV] disease (B20-B24)	8 572	4.9	3 Human immunodeficiency virus [HIV] disease (B20-B24)	4 132	4.2	3 Certain disorders involving the immune mechanism (D80-D89)	4 996	6.4
4 Certain disorders involving the immune mechanism (D80-D89)	8 510	4.8	4 Certain disorders involving the immune mechanism (D80-D89)	3 514	3.6	4 Human immunodeficiency virus [HIV] disease (B20-B24)	4 440	5.7
5 Intestinal infectious diseases (A00-A09)	7 246	4.1	5 Intestinal infectious diseases (A00-A09)	2 952	3.0	5 Intestinal infectious diseases (A00-A09)	4 294	5.5
6 Other forms of heart disease (I30-I52)	5 387	3.1	6 Other forms of heart disease (I30-I52)	2 739	2.8	6 Other forms of heart disease (I30-I52)	2 648	3.4
7 Cerebrovascular diseases (I60-I69)	3 885	2.2	7 Cerebrovascular diseases (I60-I69)	1 992	2.0	7 Cerebrovascular diseases (I60-I69)	1 893	2.4
8 Other viral diseases (B25-B34)	2 832	1.6	8 Chronic lower respiratory diseases (J40-J47)	1 516	1.5	8 Other viral diseases (B25-B34)	1 648	2.1
9 Chronic lower respiratory diseases (J40-J47)	2 786	1.6	9 Diseases of liver (K70-K77)	1 201	1.2	9 Chronic lower respiratory diseases (J40-J47)	1 270	1.6
10 Inflammatory diseases of the central nervous system (G00-G09)	2 293	1.3	10 Other viral diseases (B25-B34)	1 184	1.2	10 Inflammatory diseases of the central nervous system (G00-G09)	1 146	1.5
... Other causes	90 109	51.2	... Other causes	55 562	56.8	... Other causes	34 493	44.2
... All causes	175 903	100.0	... All causes	97 835	100.0	... All causes	78 068	100.0
South Africa, both sexes, 50-64 years		South Africa, male, 50-64 years		South Africa, female, 50-64 years				
1 Tuberculosis (A15-A19)	6 757	9.4	1 Tuberculosis (A15-A19)	4 860	11.3	1 Cerebrovascular diseases (I60-I69)	2 705	9.3
2 Cerebrovascular diseases (I60-I69)	5 525	7.7	2 Cerebrovascular diseases (I60-I69)	2 820	6.5	2 Diabetes mellitus (E10-E14)	2 503	8.6
3 Other forms of heart disease (I30-I52)	4 656	6.4	3 Other forms of heart disease (I30-I52)	2 561	5.9	3 Other forms of heart disease (I30-I52)	2 095	7.2
4 Diabetes mellitus (E10-E14)	4 433	6.1	4 Chronic lower respiratory diseases (J40-J47)	2 485	5.8	4 Tuberculosis (A15-A19)	1 897	6.5
5 Chronic lower respiratory diseases (J40-J47)	3 754	5.2	5 Ischaemic heart diseases (I20-I25)	2 191	5.1	5 Hypertensive diseases (I10-I15)	1 474	5.1
6 Influenza and pneumonia (J10-J18)	3 360	4.7	6 Influenza and pneumonia (J10-J18)	2 146	5.0	6 Chronic lower respiratory diseases (J40-J47)	1 269	4.4
7 Ischaemic heart diseases (I20-I25)	3 222	4.5	7 Diabetes mellitus (E10-E14)	1 930	4.5	7 Influenza and pneumonia (J10-J18)	1 214	4.2
8 Malignant neoplasms of digestive organs (C15-C26)	3 020	4.2	8 Malignant neoplasms of digestive organs (C15-C26)	1 900	4.4	8 Malignant neoplasms of digestive organs (C15-C26)	1 120	3.9
9 Hypertensive diseases (I10-I15)	2 770	3.8	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 491	3.5	9 Malignant neoplasms of female genital organs (C51-C58)	1 053	3.6
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 976	2.7	10 Hypertensive diseases (I10-I15)	1 296	3.0	10 Ischaemic heart diseases (I20-I25)	1 031	3.5
... Other causes	32 735	45.3	... Other causes	19 467	45.1	... Other causes	12 700	43.7
... All causes	72 208	100.0	... All causes	43 147	100.0	... All causes	29 061	100.0
South Africa, both sexes, 65 years and above		South Africa, male, 65 years and above		South Africa, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	12 313	10.6	1 Cerebrovascular diseases (I60-I69)	4 541	8.8	1 Cerebrovascular diseases (I60-I69)	7 772	12.0
2 Other forms of heart disease (I30-I52)	10 922	9.4	2 Other forms of heart disease (I30-I52)	4 372	8.5	2 Other forms of heart disease (I30-I52)	6 550	10.1
3 Diabetes mellitus (E10-E14)	7 063	6.1	3 Chronic lower respiratory diseases (J40-J47)	3 833	7.4	3 Diabetes mellitus (E10-E14)	4 676	7.2
4 Ischaemic heart diseases (I20-I25)	6 721	5.8	4 Ischaemic heart diseases (I20-I25)	3 364	6.5	4 Hypertensive diseases (I10-I15)	3 961	6.1
5 Chronic lower respiratory diseases (J40-J47)	6 483	5.6	5 Influenza and pneumonia (J10-J18)	2 528	4.9	5 Ischaemic heart diseases (I20-I25)	3 357	5.2
6 Hypertensive diseases (I10-I15)	5 797	5.0	6 Tuberculosis (A15-A19)	2 425	4.7	6 Influenza and pneumonia (J10-J18)	2 919	4.5
7 Influenza and pneumonia (J10-J18)	5 447	4.7	7 Diabetes mellitus (E10-E14)	2 387	4.6	7 Chronic lower respiratory diseases (J40-J47)	2 650	4.1
8 Malignant neoplasms of digestive organs (C15-C26)	4 391	3.8	8 Malignant neoplasms of digestive organs (C15-C26)	2 353	4.6	8 Malignant neoplasms of digestive organs (C15-C26)	2 038	3.1
9 Tuberculosis (A15-A19)	3 852	3.3	9 Hypertensive diseases (I10-I15)	1 836	3.6	9 Intestinal infectious diseases (A00-A09)	1 531	2.4
10 Intestinal infectious diseases (A00-A09)	2 464	2.1	10 Malignant neoplasms of male genital organs (C60-C63)	1 413	2.7	10 Tuberculosis (A15-A19)	1 427	2.2
... Other causes	50 935	43.8	... Other causes	22 466	43.6	... Other causes	27 989	43.1
... All causes	116 388	100.0	... All causes	51 518	100.0	... All causes	64 870	100.0

Excluding a total of 3871 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 2000

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	2 944	7.7	1 827	8.5	1 434	8.6
2 Cerebrovascular diseases (I60-I69)	2 605	6.8	1 450	6.7	1 332	8.0
3 Ischaemic heart diseases (I20-I25)	2 550	6.7	1 171	5.4	1 117	6.7
4 Diabetes mellitus (E10-E14)	2 095	5.5	974	4.5	1 100	6.6
5 Other forms of heart disease (I30-I52)	1 587	4.2	849	3.9	839	5.0
6 Chronic lower respiratory diseases (J40-J47)	1 544	4.0	830	3.8	623	3.7
7 Malignant neoplasms of digestive organs (C15-C26)	1 453	3.8	763	3.5	570	3.4
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 214	3.2	748	3.5	503	3.0
9 Human immunodeficiency virus [HIV] disease (B20-B24)	944	2.5	441	2.0	485	2.9
10 Influenza and pneumonia (J10-J18)	880	2.2	429	2.0	451	2.7
... Other causes	20 366	53.3	12 078	56.0	8 168	49.1
... All causes	38 182	100.0	21 560	100.0	16 622	100.0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	483	15.2	258	14.9	225	15.5
2 Other disorders originating in the perinatal period (P90-P96)	317	9.9	167	9.6	155	10.7
3 Digestive system disorders of foetus and newborn (P75-P78)	308	9.7	162	9.3	141	9.7
4 Disorders related to the length of gestation and foetal growth (P05-P08)	153	4.8	82	4.7	71	4.9
5 Infections specific to the perinatal period (P35-P39)	117	3.7	59	3.4	62	4.3
6 Human immunodeficiency virus [HIV] disease (B20-B24)	114	3.6	52	3.0	58	4.0
7 Intestinal infectious diseases (A00-A09)	86	2.7	41	2.4	45	3.1
8 Certain disorders involving the immune mechanism (D80-D89)	68	2.1	40	2.3	33	2.3
9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	66	2.1	35	2.0	33	2.3
10 Malnutrition (E40-E46)	65	2.0	34	2.0	30	2.1
... Other causes	1 409	44.2	806	46.4	597	41.2
... All causes	3 186	100.0	1 736	100.0	1 450	100.0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 898	14.3	1 134	13.2	764	16.2
2 Human immunodeficiency virus [HIV] disease (B20-B24)	745	5.6	342	4.0	403	8.6
3 Cerebrovascular diseases (I60-I69)	382	2.9	198	2.3	192	4.1
4 Ischaemic heart diseases (I20-I25)	284	2.1	190	2.2	160	3.4
5 Certain disorders involving the immune mechanism (D80-D89)	276	2.1	162	1.9	134	2.8
6 Influenza and pneumonia (J10-J18)	273	2.1	145	1.7	117	2.5
7 Chronic lower respiratory diseases (J40-J47)	270	2.0	142	1.6	111	2.4
8 Other forms of heart disease (I30-I52)	253	1.9	139	1.6	108	2.3
9 Diabetes mellitus (E10-E14)	219	1.6	128	1.5	106	2.3
10 Malignant neoplasms of digestive organs (C15-C26)	212	1.6	116	1.3	95	2.0
... Other causes	8 504	63.9	5 918	68.7	2 512	53.4
... All causes	13 316	100.0	8 614	100.0	4 702	100.0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years		
1 Ischaemic heart diseases (I20-I25)	709	8.7	475	9.7	407	12.5
2 Diabetes mellitus (E10-E14)	695	8.5	467	9.5	282	8.7
3 Tuberculosis (A15-A19)	661	8.1	344	7.0	234	7.2
4 Cerebrovascular diseases (I60-I69)	618	7.6	336	6.9	194	6.0
5 Chronic lower respiratory diseases (J40-J47)	488	6.0	321	6.6	177	5.4
6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	483	5.9	301	6.2	167	5.1
7 Malignant neoplasms of digestive organs (C15-C26)	478	5.9	288	5.9	139	4.3
8 Other forms of heart disease (I30-I52)	320	3.9	186	3.8	135	4.1
9 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	225	2.8	130	2.7	134	4.1
10 Hypertensive diseases (I10-I15)	197	2.4	93	1.9	104	3.2
... Other causes	3 277	40.2	1 951	39.9	1 286	39.5
... All causes	8 151	100.0	4 892	100.0	3 259	100.0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above		
1 Cerebrovascular diseases (I60-I69)	1 592	11.8	776	12.3	955	13.2
2 Ischaemic heart diseases (I20-I25)	1 556	11.5	637	10.1	804	11.1
3 Diabetes mellitus (E10-E14)	1 176	8.7	487	7.7	780	10.8
4 Other forms of heart disease (I30-I52)	982	7.3	403	6.4	579	8.0
5 Chronic lower respiratory diseases (J40-J47)	775	5.7	383	6.1	379	5.3
6 Malignant neoplasms of digestive organs (C15-C26)	762	5.6	377	6.0	327	4.5
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	554	4.1	372	5.9	288	4.0
8 Hypertensive diseases (I10-I15)	480	3.5	247	3.9	241	3.3
9 Influenza and pneumonia (J10-J18)	437	3.2	205	3.2	177	2.5
10 Tuberculosis (A15-A19)	334	2.5	196	3.1	153	2.1
... Other causes	4 881	36.1	2 235	35.4	2 528	35.1
... All causes	13 529	100.0	6 318	100.0	7 211	100.0

Excluding a total of 234 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 2000

Eastern Cape, both sexes, all ages		Eastern Cape, male, all ages		Eastern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	7 554	12,5	1 Tuberculosis (A15-A19)	4 280	13,8	1 Tuberculosis (A15-A19)	3 274	11,1
2 Cerebrovascular diseases (I60-I69)	3 411	5,6	2 Chronic lower respiratory diseases (J40-J47)	1 766	5,7	2 Cerebrovascular diseases (I60-I69)	1 978	6,7
3 Chronic lower respiratory diseases (J40-J47)	3 124	5,2	3 Cerebrovascular diseases (I60-I69)	1 433	4,6	3 Other forms of heart disease (I30-I52)	1 553	5,3
4 Other forms of heart disease (I30-I52)	2 710	4,5	4 Influenza and pneumonia (J10-J18)	1 230	4,0	4 Chronic lower respiratory diseases (J40-J47)	1 358	4,6
5 Influenza and pneumonia (J10-J18)	2 523	4,2	5 Other forms of heart disease (I30-I52)	1 157	3,7	5 Influenza and pneumonia (J10-J18)	1 293	4,4
6 Diabetes mellitus (E10-E14)	1 968	3,3	6 Malignant neoplasms of digestive organs (C15-C26)	1 036	3,3	6 Diabetes mellitus (E10-E14)	1 236	4,2
7 Malignant neoplasms of digestive organs (C15-C26)	1 857	3,1	7 Intestinal infectious diseases (A00-A09)	765	2,5	7 Intestinal infectious diseases (A00-A09)	1 065	3,6
8 Intestinal infectious diseases (A00-A09)	1 830	3,0	8 Diabetes mellitus (E10-E14)	732	2,4	8 Hypertensive diseases (I10-I15)	1 012	3,4
9 Hypertensive diseases (I10-I15)	1 878	2,8	9 Ischaemic heart diseases (I20-I25)	674	2,2	9 Malignant neoplasms of digestive organs (C15-C26)	821	2,8
10 Human immunodeficiency virus [HIV] disease (B20-B24)	1 305	2,2	10 Hypertensive diseases (I10-I15)	566	1,8	10 Human immunodeficiency virus [HIV] disease (B20-B24)	788	2,7
... Other causes	32 605	53,9	... Other causes	17 339	56,0	... Other causes	15 109	51,2
... All causes	60 465	100,0	... All causes	30 978	100,0	... All causes	29 487	100,0
Eastern Cape, both sexes, 0-14 years		Eastern Cape, male, 0-14 years		Eastern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	706	15,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	376	14,9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	330	15,6
2 Digestive system disorders of foetus and newborn (P75-P78)	515	11,1	2 Digestive system disorders of foetus and newborn (P75-P78)	302	12,0	2 Digestive system disorders of foetus and newborn (P75-P78)	213	10,1
3 Intestinal infectious diseases (A00-A09)	242	5,2	3 Intestinal infectious diseases (A00-A09)	130	5,2	3 Intestinal infectious diseases (A00-A09)	112	5,3
4 Other disorders originating in the perinatal period (P90-P96)	226	4,9	4 Other disorders originating in the perinatal period (P90-P96)	124	4,9	4 Other disorders originating in the perinatal period (P90-P96)	102	4,8
5 Influenza and pneumonia (J10-J18)	174	3,8	5 Tuberculosis (A15-A19)	84	3,3	5 Influenza and pneumonia (J10-J18)	93	4,4
6 Tuberculosis (A15-A19)	159	3,4	6 Influenza and pneumonia (J10-J18)	81	3,2	6 Certain disorders involving the immune mechanism (D80-D89)	87	4,1
7 Certain disorders involving the immune mechanism (D80-D89)	158	3,4	7 Infections specific to the perinatal period (P35-P39)	72	2,9	7 Tuberculosis (A15-A19)	75	3,6
8 Infections specific to the perinatal period (P35-P39)	142	3,1	8 Certain disorders involving the immune mechanism (D80-D89)	71	2,8	8 Infections specific to the perinatal period (P35-P39)	70	3,3
9 Malnutrition (E40-E46)	134	2,9	9 Malnutrition (E40-E46)	65	2,6	9 Malnutrition (E40-E46)	69	3,3
10 Disorders related to the length of gestation and foetal growth (P05-P08)	111	2,4	10 Human immunodeficiency virus [HIV] disease (B20-B24)	61	2,4	10 Disorders related to the length of gestation and foetal growth (P05-P08)	55	2,6
... Other causes	2 063	44,6	... Other causes	1 153	45,8	... Other causes	905	42,9
... All causes	4 630	100,0	... All causes	2 519	100,0	... All causes	2 111	100,0
Eastern Cape, both sexes, 15-49 years		Eastern Cape, male, 15-49 years		Eastern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 562	19,4	1 Tuberculosis (A15-A19)	2 442	19,3	1 Tuberculosis (A15-A19)	2 120	19,6
2 Influenza and pneumonia (J10-J18)	1 130	4,8	2 Influenza and pneumonia (J10-J18)	513	4,1	2 Human immunodeficiency virus [HIV] disease (B20-B24)	706	6,5
3 Human immunodeficiency virus [HIV] disease (B20-B24)	1 118	4,8	3 Human immunodeficiency virus [HIV] disease (B20-B24)	412	3,3	3 Influenza and pneumonia (J10-J18)	617	5,7
4 Intestinal infectious diseases (A00-A09)	937	4,0	4 Intestinal infectious diseases (A00-A09)	357	2,8	4 Certain disorders involving the immune mechanism (D80-D89)	598	5,5
5 Certain disorders involving the immune mechanism (D80-D89)	917	3,9	5 Certain disorders involving the immune mechanism (D80-D89)	319	2,5	5 Intestinal infectious diseases (A00-A09)	580	5,4
6 Other forms of heart disease (I30-I52)	543	2,3	6 Chronic lower respiratory diseases (J40-J47)	279	2,2	6 Other forms of heart disease (I30-I52)	271	2,5
7 Chronic lower respiratory diseases (J40-J47)	523	2,2	7 Episodic and paroxysmal disorders (G40-G47)	273	2,2	7 Cerebrovascular diseases (I60-I69)	246	2,3
8 Cerebrovascular diseases (I60-I69)	509	2,2	8 Other forms of heart disease (I30-I52)	272	2,2	8 Chronic lower respiratory diseases (J40-J47)	244	2,3
9 Episodic and paroxysmal disorders (G40-G47)	422	1,8	9 Cerebrovascular diseases (I60-I69)	263	2,1	9 Other viral diseases (B25-B34)	210	1,9
10 Other viral diseases (B25-B34)	324	1,4	10 Malignant neoplasms of digestive organs (C15-C26)	165	1,3	10 Inflammatory diseases of the central nervous system (G00-G09)	165	1,5
... Other causes	12 478	53,2	... Other causes	7 337	58,1	... Other causes	5 074	46,8
... All causes	23 463	100,0	... All causes	12 632	100,0	... All causes	10 831	100,0
Eastern Cape, both sexes, 50-64 years		Eastern Cape, male, 50-64 years		Eastern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 457	12,9	1 Tuberculosis (A15-A19)	985	15,1	1 Tuberculosis (A15-A19)	472	9,9
2 Chronic lower respiratory diseases (J40-J47)	840	7,4	2 Chronic lower respiratory diseases (J40-J47)	527	8,1	2 Cerebrovascular diseases (I60-I69)	418	8,8
3 Cerebrovascular diseases (I60-I69)	835	7,4	3 Cerebrovascular diseases (I60-I69)	417	6,4	3 Diabetes mellitus (E10-E14)	399	8,4
4 Diabetes mellitus (E10-E14)	643	5,7	4 Malignant neoplasms of digestive organs (C15-C26)	341	5,2	4 Chronic lower respiratory diseases (J40-J47)	313	6,6
5 Malignant neoplasms of digestive organs (C15-C26)	594	5,3	5 Other forms of heart disease (I30-I52)	284	4,3	5 Other forms of heart disease (I30-I52)	270	5,7
6 Other forms of heart disease (I30-I52)	554	4,9	6 Diabetes mellitus (E10-E14)	244	3,7	6 Malignant neoplasms of digestive organs (C15-C26)	253	5,3
7 Hypertensive diseases (I10-I15)	396	3,5	7 Influenza and pneumonia (J10-J18)	232	3,5	7 Hypertensive diseases (I10-I15)	224	4,7
8 Influenza and pneumonia (J10-J18)	378	3,3	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	231	3,5	8 Malignant neoplasms of female genital organs (C51-C58)	151	3,2
9 Ischaemic heart diseases (I20-I25)	323	2,9	9 Ischaemic heart diseases (I20-I25)	197	3,0	9 Influenza and pneumonia (J10-J18)	146	3,1
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	322	2,8	10 Hypertensive diseases (I10-I15)	172	2,6	10 Ischaemic heart diseases (I20-I25)	126	2,6
... Other causes	4 972	43,9	... Other causes	2 909	44,5	... Other causes	2 003	41,9
... All causes	11 314	100,0	... All causes	6 539	100,0	... All causes	4 775	100,0
Eastern Cape, both sexes, 65 years and above		Eastern Cape, male, 65 years and above		Eastern Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	2 056	9,8	1 Chronic lower respiratory diseases (J40-J47)	944	10,2	1 Cerebrovascular diseases (I60-I69)	1 307	11,1
2 Chronic lower respiratory diseases (J40-J47)	1 733	8,2	2 Tuberculosis (A15-A19)	769	8,3	2 Other forms of heart disease (I30-I52)	988	8,4
3 Other forms of heart disease (I30-I52)	1 568	7,4	3 Cerebrovascular diseases (I60-I69)	749	8,1	3 Chronic lower respiratory diseases (J40-J47)	789	6,7
4 Tuberculosis (A15-A19)	1 376	6,5	4 Other forms of heart disease (I30-I52)	580	6,2	4 Diabetes mellitus (E10-E14)	682	5,8
5 Diabetes mellitus (E10-E14)	1 048	5,0	5 Malignant neoplasms of digestive organs (C15-C26)	526	5,7	5 Hypertensive diseases (I10-I15)	667	5,7
6 Malignant neoplasms of digestive organs (C15-C26)	969	4,6	6 Influenza and pneumonia (J10-J18)	404	4,3	6 Tuberculosis (A15-A19)	607	5,2
7 Hypertensive diseases (I10-I15)	962	4,6	7 Diabetes mellitus (E10-E14)	366	3,9	7 Malignant neoplasms of digestive organs (C15-C26)	443	3,8
8 Influenza and pneumonia (J10-J18)	841	4,0	8 Ischaemic heart diseases (I20-I25)	358	3,9	8 Influenza and pneumonia (J10-J18)	437	3,7
9 Ischaemic heart diseases (I20-I25)	729	3,5	9 Hypertensive diseases (I10-I15)	295	3,2	9 Ischaemic heart diseases (I20-I25)	371	3,2
10 Intestinal infectious diseases (A00-A09)	446	2,1	10 Malignant neoplasms of male genital organs (C60-C63)	226	2,4	10 Intestinal infectious diseases (A00-A09)	296	2,5
... Other causes	9 330	44,3	... Other causes	4 071	43,8	... Other causes	5 183	44,0
... All causes	21 058	100,0	... All causes	9 288	100,0	... All causes	11 770	100,0

Excluding a total of 651 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 2000

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	1 021 10,5	1 Tuberculosis (A15-A19)	617 11,7	1 Tuberculosis (A15-A19)	404 9,0
2 Cerebrovascular diseases (I60-I69)	649 6,7	2 Influenza and pneumonia (J10-J18)	294 5,6	2 Cerebrovascular diseases (I60-I69)	370 8,2
3 Other forms of heart disease (I30-I52)	635 6,5	3 Other forms of heart disease (I30-I52)	282 5,4	3 Other forms of heart disease (I30-I52)	353 7,9
4 Influenza and pneumonia (J10-J18)	530 5,4	4 Cerebrovascular diseases (I60-I69)	279 5,3	4 Influenza and pneumonia (J10-J18)	236 5,3
5 Chronic lower respiratory diseases (J40-J47)	445 4,6	5 Chronic lower respiratory diseases (J40-J47)	277 5,3	5 Human immunodeficiency virus [HIV] disease (B20-B24)	178 4,0
6 Ischaemic heart diseases (I20-I25)	387 4,0	6 Ischaemic heart diseases (I20-I25)	221 4,2	6 Chronic lower respiratory diseases (J40-J47)	168 3,7
7 Malignant neoplasms of digestive organs (C15-C26)	296 3,0	7 Malignant neoplasms of digestive organs (C15-C26)	183 3,5	7 Ischaemic heart diseases (I20-I25)	166 3,7
8 Human immunodeficiency virus [HIV] disease (B20-B24)	291 3,0	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	156 3,0	8 Hypertensive diseases (I10-I15)	162 3,6
9 Intestinal infectious diseases (A00-A09)	263 2,7	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	126 2,4	9 Intestinal infectious diseases (A00-A09)	155 3,5
10 Hypertensive diseases (I10-I15)	242 2,5	10 Digestive system disorders of foetus and newborn (P75-P78)	121 2,3	10 Diabetes mellitus (E10-E14)	135 3,0
... Other causes	4 997 51,2	... Other causes	2 712 51,5	... Other causes	2 161 48,2
... All causes	9 756 100,0	... All causes	5 268 100,0	... All causes	4 488 100,0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	229 19,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	126 19,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	103 19,0
2 Digestive system disorders of foetus and newborn (P75-P78)	202 16,9	2 Digestive system disorders of foetus and newborn (P75-P78)	121 18,5	2 Digestive system disorders of foetus and newborn (P75-P78)	81 14,9
3 Intestinal infectious diseases (A00-A09)	82 6,9	3 Malnutrition (E40-E46)	43 6,6	3 Intestinal infectious diseases (A00-A09)	46 8,5
4 Malnutrition (E40-E46)	75 6,3	4 Intestinal infectious diseases (A00-A09)	36 5,5	4 Malnutrition (E40-E46)	32 5,9
5 Disorders related to the length of gestation and foetal growth (P05-P08)	65 5,4	5 Disorders related to the length of gestation and foetal growth (P05-P08)	34 5,2	5 Disorders related to the length of gestation and foetal growth (P05-P08)	31 5,7
6 Human immunodeficiency virus [HIV] disease (B20-B24)	46 3,8	6 Infections specific to the perinatal period (P35-P39)	23 3,5	6 Human immunodeficiency virus [HIV] disease (B20-B24)	26 4,8
7 Infections specific to the perinatal period (P35-P39)	43 3,6	7 Human immunodeficiency virus [HIV] disease (B20-B24)	20 3,1	7 Other disorders originating in the perinatal period (P90-P96)	21 3,9
8 Other disorders originating in the perinatal period (P90-P96)	38 3,2	8 Tuberculosis (A15-A19)	19 2,9	8 Infections specific to the perinatal period (P35-P39)	20 3,7
9 Tuberculosis (A15-A19)	26 2,2	9 Foetus & newborn affectd by matern. factors & complic. of preg., lab & delivery (P00-P04)	18 2,7	9 Certain disorders involving the immune mechanism (D80-D89)	14 2,6
10 Certain disorders involving the immune mechanism (D80-D89)	23 1,9	10 Other disorders originating in the perinatal period (P90-P96)	17 2,6	10 Influenza and pneumonia (J10-J18)	11 2,0
... Other causes	368 30,7	... Other causes	198 30,2	... Other causes	157 29,0
... All causes	1 197 100,0	... All causes	655 100,0	... All causes	542 100,0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	724 19,1	1 Tuberculosis (A15-A19)	404 19,1	1 Tuberculosis (A15-A19)	320 19,1
2 Influenza and pneumonia (J10-J18)	281 7,4	2 Influenza and pneumonia (J10-J18)	148 7,0	2 Human immunodeficiency virus [HIV] disease (B20-B24)	141 8,4
3 Human immunodeficiency virus [HIV] disease (B20-B24)	226 6,0	3 Human immunodeficiency virus [HIV] disease (B20-B24)	85 4,0	3 Influenza and pneumonia (J10-J18)	133 7,9
4 Other forms of heart disease (I30-I52)	167 4,4	4 Other forms of heart disease (I30-I52)	73 3,5	4 Other forms of heart disease (I30-I52)	94 5,6
5 Certain disorders involving the immune mechanism (D80-D89)	135 3,6	5 Cerebrovascular diseases (I60-I69)	68 3,2	5 Certain disorders involving the immune mechanism (D80-D89)	87 5,2
6 Cerebrovascular diseases (I60-I69)	125 3,3	6 Episodic and paroxysmal disorders (G40-G47)	53 2,5	6 Cerebrovascular diseases (I60-I69)	57 3,4
7 Intestinal infectious diseases (A00-A09)	92 2,4	7 Certain disorders involving the immune mechanism (D80-D89)	48 2,3	7 Intestinal infectious diseases (A00-A09)	54 3,2
8 Episodic and paroxysmal disorders (G40-G47)	82 2,2	8 Diseases of liver (K70-K77)	40 1,9	8 Chronic lower respiratory diseases (J40-J47)	33 2,0
9 Diseases of liver (K70-K77)	69 1,8	9 Ischaemic heart diseases (I20-I25)	39 1,8	9 Malignant neoplasms of female genital organs (C51-C58)	31 1,8
10 Chronic lower respiratory diseases (J40-J47)	67 1,8	10 Intestinal infectious diseases (A00-A09)	38 1,8	10 Episodic and paroxysmal disorders (G40-G47)	29 1,7
... Other causes	1 820 48,0	... Other causes	1 115 52,8	... Other causes	698 41,6
... All causes	3 788 100,0	... All causes	2 111 100,0	... All causes	1 677 100,0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years	
1 Tuberculosis (A15-A19)	183 9,2	1 Tuberculosis (A15-A19)	130 11,2	1 Cerebrovascular diseases (I60-I69)	83 10,1
2 Chronic lower respiratory diseases (J40-J47)	179 9,0	2 Chronic lower respiratory diseases (J40-J47)	110 9,5	2 Other forms of heart disease (I30-I52)	76 9,3
3 Other forms of heart disease (I30-I52)	167 8,4	3 Other forms of heart disease (I30-I52)	91 7,8	3 Chronic lower respiratory diseases (J40-J47)	69 8,4
4 Cerebrovascular diseases (I60-I69)	165 8,3	4 Cerebrovascular diseases (I60-I69)	82 7,1	4 Tuberculosis (A15-A19)	53 6,5
5 Ischaemic heart diseases (I20-I25)	117 5,9	5 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	81 7,0	5 Diabetes mellitus (E10-E14)	44 5,4
6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	106 5,3	6 Ischaemic heart diseases (I20-I25)	79 6,8	6 Hypertensive diseases (I10-I15)	44 5,4
7 Influenza and pneumonia (J10-J18)	99 5,0	7 Influenza and pneumonia (J10-J18)	61 5,2	7 Malignant neoplasms of female genital organs (C51-C58)	39 4,8
8 Malignant neoplasms of digestive organs (C15-C26)	93 4,7	8 Malignant neoplasms of digestive organs (C15-C26)	60 5,2	8 Ischaemic heart diseases (I20-I25)	38 4,6
9 Diabetes mellitus (E10-E14)	86 4,3	9 Diabetes mellitus (E10-E14)	42 3,6	9 Influenza and pneumonia (J10-J18)	38 4,6
10 Hypertensive diseases (I10-I15)	65 3,3	10 Diseases of liver (K70-K77)	29 2,5	10 Malignant neoplasms of digestive organs (C15-C26)	33 4,0
... Other causes	722 36,4	... Other causes	397 34,2	... Other causes	303 37,0
... All causes	1 982 100,0	... All causes	1 162 100,0	... All causes	820 100,0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	353 12,7	1 Chronic lower respiratory diseases (J40-J47)	131 9,8	1 Cerebrovascular diseases (I60-I69)	227 15,7
2 Other forms of heart disease (I30-I52)	295 10,6	2 Cerebrovascular diseases (I60-I69)	126 9,4	2 Other forms of heart disease (I30-I52)	181 12,5
3 Ischaemic heart diseases (I20-I25)	207 7,4	3 Other forms of heart disease (I30-I52)	114 8,5	3 Ischaemic heart diseases (I20-I25)	104 7,2
4 Chronic lower respiratory diseases (J40-J47)	197 7,1	4 Ischaemic heart diseases (I20-I25)	103 7,7	4 Hypertensive diseases (I10-I15)	103 7,1
5 Malignant neoplasms of digestive organs (C15-C26)	151 5,4	5 Malignant neoplasms of digestive organs (C15-C26)	96 7,2	5 Diabetes mellitus (E10-E14)	77 5,3
6 Hypertensive diseases (I10-I15)	144 5,2	6 Influenza and pneumonia (J10-J18)	73 5,4	6 Chronic lower respiratory diseases (J40-J47)	66 4,6
7 Influenza and pneumonia (J10-J18)	127 4,6	7 Tuberculosis (A15-A19)	64 4,8	7 Malignant neoplasms of digestive organs (C15-C26)	55 3,8
8 Diabetes mellitus (E10-E14)	117 4,2	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	57 4,3	8 Influenza and pneumonia (J10-J18)	54 3,7
9 Tuberculosis (A15-A19)	88 3,2	9 Malignant neoplasms of male genital organs (C60-C63)	57 4,3	9 Intestinal infectious diseases (A00-A09)	41 2,8
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	80 2,9	10 Hypertensive diseases (I10-I15)	41 3,1	10 Malignant neoplasms of female genital organs (C51-C58)	29 2,0
... Other causes	1 030 36,9	... Other causes	478 35,7	... Other causes	512 35,3
... All causes	2 789 100,0	... All causes	1 340 100,0	... All causes	1 449 100,0

Excluding a total of 64 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 2000

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages	
No.	%	No.	%	No.	%
1 Influenza and pneumonia (J10-J18)	3 786 11,2	1 Tuberculosis (A15-A19)	1 986 11,3	1 Influenza and pneumonia (J10-J18)	1 990 12,2
2 Tuberculosis (A15-A19)	3 347 9,9	2 Influenza and pneumonia (J10-J18)	1 796 10,3	2 Tuberculosis (A15-A19)	1 361 8,3
3 Other forms of heart disease (I30-I52)	2 139 6,3	3 Other forms of heart disease (I30-I52)	942 5,4	3 Other forms of heart disease (I30-I52)	1 197 7,3
4 Certain disorders involving the immune mechanism (D80-D89)	1 814 5,4	4 Certain disorders involving the immune mechanism (D80-D89)	791 4,5	4 Cerebrovascular diseases (I60-I69)	1 034 6,3
5 Cerebrovascular diseases (I60-I69)	1 777 5,3	5 Cerebrovascular diseases (I60-I69)	743 4,2	5 Certain disorders involving the immune mechanism (D80-D89)	1 023 6,3
6 Intestinal infectious diseases (A00-A09)	1 393 4,1	6 Human immunodeficiency virus [HIV] disease (B20-B24)	667 3,8	6 Intestinal infectious diseases (A00-A09)	806 4,9
7 Human immunodeficiency virus [HIV] disease (B20-B24)	1 261 3,7	7 Intestinal infectious diseases (A00-A09)	587 3,4	7 Human immunodeficiency virus [HIV] disease (B20-B24)	594 3,6
8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 122 3,3	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	583 3,3	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	539 3,3
9 Chronic lower respiratory diseases (J40-J47)	855 2,5	9 Chronic lower respiratory diseases (J40-J47)	538 3,1	9 Hypertensive diseases (I10-I15)	459 2,8
10 Diabetes mellitus (E10-E14)	779 2,3	10 Ischaemic heart diseases (I20-I25)	407 2,3	10 Diabetes mellitus (E10-E14)	456 2,8
... Other causes	15 573 46,0	... Other causes	8 466 48,4	... Other causes	6 881 42,1
... All causes	33 846 100,0	... All causes	17 506 100,0	... All causes	16 340 100,0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 122 25,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	583 25,0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	539 25,7
2 Digestive system disorders of foetus and newborn (P75-P78)	641 14,5	2 Digestive system disorders of foetus and newborn (P75-P78)	334 14,3	2 Digestive system disorders of foetus and newborn (P75-P78)	307 14,7
3 Other disorders originating in the perinatal period (P90-P96)	306 6,9	3 Other disorders originating in the perinatal period (P90-P96)	161 6,9	3 Other disorders originating in the perinatal period (P90-P96)	145 6,9
4 Intestinal infectious diseases (A00-A09)	256 5,8	4 Intestinal infectious diseases (A00-A09)	134 5,7	4 Intestinal infectious diseases (A00-A09)	122 5,8
5 Influenza and pneumonia (J10-J18)	208 4,7	5 Disorders related to the length of gestation and foetal growth (P05-P08)	113 4,8	5 Influenza and pneumonia (J10-J18)	101 4,8
6 Disorders related to the length of gestation and foetal growth (P05-P08)	202 4,6	6 Malnutrition (E40-E46)	111 4,8	6 Disorders related to the length of gestation and foetal growth (P05-P08)	89 4,2
7 Malnutrition (E40-E46)	189 4,3	7 Influenza and pneumonia (J10-J18)	107 4,6	7 Certain disorders involving the immune mechanism (D80-D89)	78 3,7
8 Certain disorders involving the immune mechanism (D80-D89)	156 3,5	8 Certain disorders involving the immune mechanism (D80-D89)	78 3,3	8 Malnutrition (E40-E46)	78 3,7
9 Infections specific to the perinatal period (P35-P39)	117 2,6	9 Infections specific to the perinatal period (P35-P39)	61 2,6	9 Infections specific to the perinatal period (P35-P39)	56 2,7
10 Tuberculosis (A15-A19)	67 1,5	10 Inflammatory diseases of the central nervous system (G00-G09)	33 1,4	10 Tuberculosis (A15-A19)	44 2,1
... Other causes	1 165 26,3	... Other causes	619 26,5	... Other causes	536 25,6
... All causes	4 429 100,0	... All causes	2 334 100,0	... All causes	2 095 100,0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years	
1 Tuberculosis (A15-A19)	2 608 16,3	1 Tuberculosis (A15-A19)	1 468 17,6	1 Tuberculosis (A15-A19)	1 140 14,9
2 Influenza and pneumonia (J10-J18)	2 475 15,5	2 Influenza and pneumonia (J10-J18)	1 093 13,1	2 Certain disorders involving the immune mechanism (D80-D89)	885 11,6
3 Certain disorders involving the immune mechanism (D80-D89)	1 517 9,5	3 Certain disorders involving the immune mechanism (D80-D89)	632 7,6	3 Human immunodeficiency virus [HIV] disease (B20-B24)	521 6,8
4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 092 6,8	4 Human immunodeficiency virus [HIV] disease (B20-B24)	571 6,9	4 Intestinal infectious diseases (A00-A09)	482 6,3
5 Intestinal infectious diseases (A00-A09)	779 4,9	5 Intestinal infectious diseases (A00-A09)	297 3,6	5 Other forms of heart disease (I30-I52)	281 3,7
6 Other forms of heart disease (I30-I52)	526 3,3	6 Other forms of heart disease (I30-I52)	245 2,9	6 Cerebrovascular diseases (I60-I69)	199 2,6
7 Cerebrovascular diseases (I60-I69)	379 2,4	7 Cerebrovascular diseases (I60-I69)	180 2,2	7 Malignant neoplasms of female genital organs (C51-C58)	84 1,1
8 Inflammatory diseases of the central nervous system (G00-G09)	188 1,2	8 Inflammatory diseases of the central nervous system (G00-G09)	106 1,3	8 Other viral diseases (B25-B34)	83 1,1
9 Chronic lower respiratory diseases (J40-J47)	169 1,1	9 Chronic lower respiratory diseases (J40-J47)	98 1,2	9 Aplastic and other anaemias (D60-D64)	82 1,1
10 Diseases of liver (K70-K77)	164 1,0	10 Diseases of liver (K70-K77)	90 1,1	10 Influenza and pneumonia (J10-J18)	1 382 18,1
... Other causes	6 073 38,0	... Other causes	3 547 42,6	... Other causes	2 504 32,8
... All causes	15 970 100,0	... All causes	8 327 100,0	... All causes	7 643 100,0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years	
1 Influenza and pneumonia (J10-J18)	503 9,0	1 Tuberculosis (A15-A19)	374 11,0	1 Other forms of heart disease (I30-I52)	216 9,7
2 Tuberculosis (A15-A19)	502 8,9	2 Influenza and pneumonia (J10-J18)	316 9,3	2 Influenza and pneumonia (J10-J18)	187 8,4
3 Cerebrovascular diseases (I60-I69)	483 8,6	3 Other forms of heart disease (I30-I52)	265 7,8	3 Tuberculosis (A15-A19)	128 5,8
4 Other forms of heart disease (I30-I52)	481 8,6	4 Cerebrovascular diseases (I60-I69)	221 6,5	4 Diabetes mellitus (E10-E14)	123 5,5
5 Diabetes mellitus (E10-E14)	249 4,4	5 Chronic lower respiratory diseases (J40-J47)	169 5,0	5 Hypertensive diseases (I10-I15)	97 4,4
6 Chronic lower respiratory diseases (J40-J47)	240 4,3	6 Ischaemic heart diseases (I20-I25)	146 4,3	6 Malignant neoplasms of female genital organs (C51-C58)	97 4,4
7 Malignant neoplasms of digestive organs (C15-C26)	209 3,7	7 Malignant neoplasms of digestive organs (C15-C26)	138 4,1	7 Intestinal infectious diseases (A00-A09)	72 3,2
8 Ischaemic heart diseases (I20-I25)	206 3,7	8 Diabetes mellitus (E10-E14)	126 3,7	8 Chronic lower respiratory diseases (J40-J47)	71 3,2
9 Hypertensive diseases (I10-I15)	190 3,4	9 Hypertensive diseases (I10-I15)	93 2,7	9 Malignant neoplasms of digestive organs (C15-C26)	71 3,2
10 Intestinal infectious diseases (A00-A09)	154 2,7	10 Intestinal infectious diseases (A00-A09)	82 2,4	10 Cerebrovascular diseases (I60-I69)	262 11,8
... Other causes	2 398 42,7	... Other causes	1 463 43,1	... Other causes	898 40,4
... All causes	5 615 100,0	... All causes	3 393 100,0	... All causes	2 222 100,0
Free State, both sexes, 65 years and above		Free State, male, 65 years and above		Free State, female, 65 years and above	
1 Other forms of heart disease (I30-I52)	1 111 14,2	1 Other forms of heart disease (I30-I52)	424 12,3	1 Other forms of heart disease (I30-I52)	687 15,7
2 Cerebrovascular diseases (I60-I69)	907 11,6	2 Cerebrovascular diseases (I60-I69)	336 9,7	2 Cerebrovascular diseases (I60-I69)	571 13,0
3 Influenza and pneumonia (J10-J18)	600 7,7	3 Influenza and pneumonia (J10-J18)	280 8,1	3 Influenza and pneumonia (J10-J18)	320 7,3
4 Chronic lower respiratory diseases (J40-J47)	439 5,6	4 Chronic lower respiratory diseases (J40-J47)	267 7,7	4 Hypertensive diseases (I10-I15)	302 6,9
5 Hypertensive diseases (I10-I15)	432 5,5	5 Ischaemic heart diseases (I20-I25)	188 5,4	5 Diabetes mellitus (E10-E14)	259 5,9
6 Diabetes mellitus (E10-E14)	387 4,9	6 Malignant neoplasms of digestive organs (C15-C26)	132 3,8	6 Chronic lower respiratory diseases (J40-J47)	172 3,9
7 Ischaemic heart diseases (I20-I25)	358 4,6	7 Hypertensive diseases (I10-I15)	130 3,8	7 Ischaemic heart diseases (I20-I25)	170 3,9
8 Malignant neoplasms of digestive organs (C15-C26)	244 3,1	8 Diabetes mellitus (E10-E14)	128 3,7	8 Intestinal infectious diseases (A00-A09)	130 3,0
9 Intestinal infectious diseases (A00-A09)	204 2,6	9 Tuberculosis (A15-A19)	121 3,5	9 Malignant neoplasms of digestive organs (C15-C26)	112 2,6
10 Tuberculosis (A15-A19)	170 2,2	10 Malignant neoplasms of male genital organs (C60-C63)	100 2,9	10 Malignant neoplasms of female genital organs (C51-C58)	77 1,8
... Other causes	2 980 38,0	... Other causes	1 346 39,0	... Other causes	1 580 36,1
... All causes	7 832 100,0	... All causes	3 452 100,0	... All causes	4 380 100,0

Excluding a total of 154 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 2000

KwaZulu-Natal, both sexes, all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	11 989	12,7	1 Tuberculosis (A15-A19)	6 724	13,8	1 Tuberculosis (A15-A19)	5 265	11,5
2 Influenza and pneumonia (J10-J18)	4 923	5,2	2 Influenza and pneumonia (J10-J18)	2 314	4,8	2 Cerebrovascular diseases (I60-I69)	2 850	6,2
3 Cerebrovascular diseases (I60-I69)	4 879	5,2	3 Cerebrovascular diseases (I60-I69)	2 029	4,2	3 Influenza and pneumonia (J10-J18)	2 609	5,7
4 Intestinal infectious diseases (A00-A09)	4 226	4,5	4 Intestinal infectious diseases (A00-A09)	1 867	3,8	4 Intestinal infectious diseases (A00-A09)	2 359	5,2
5 Other forms of heart disease (I30-I52)	4 158	4,4	5 Other forms of heart disease (I30-I52)	1 829	3,8	5 Other forms of heart disease (I30-I52)	2 329	5,1
6 Diabetes mellitus (E10-E14)	3 413	3,6	6 Chronic lower respiratory diseases (J40-J47)	1 491	3,1	6 Diabetes mellitus (E10-E14)	2 163	4,7
7 Chronic lower respiratory diseases (J40-J47)	2 438	2,6	7 Diabetes mellitus (E10-E14)	1 250	2,6	7 Certain disorders involving the immune mechanism (D80-D89)	1 162	2,5
8 Human immunodeficiency virus [HIV] disease (B20-B24)	2 111	2,2	8 Ischaemic heart diseases (I20-I25)	1 244	2,6	8 Hypertensive diseases (I10-I15)	1 158	2,5
9 Ischaemic heart diseases (I20-I25)	2 084	2,2	9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 115	2,3	9 Human immunodeficiency virus [HIV] disease (B20-B24)	996	2,2
10 Certain disorders involving the immune mechanism (D80-D89)	2 060	2,2	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 011	2,1	10 Chronic lower respiratory diseases (J40-J47)	947	2,1
... Other causes	52 008	55,2	... Other causes	27 760	57,1	... Other causes	23 817	52,2
... All causes	94 289	100,0	... All causes	48 634	100,0	... All causes	45 655	100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 938	17,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 011	17,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	927	17,2
2 Digestive system disorders of foetus and newborn (P75-P78)	1 473	13,0	2 Digestive system disorders of foetus and newborn (P75-P78)	762	12,9	2 Digestive system disorders of foetus and newborn (P75-P78)	711	13,2
3 Intestinal infectious diseases (A00-A09)	807	7,1	3 Other disorders originating in the perinatal period (P90-P96)	400	6,8	3 Intestinal infectious diseases (A00-A09)	412	7,6
4 Other disorders originating in the perinatal period (P90-P96)	792	7,0	4 Intestinal infectious diseases (A00-A09)	395	6,7	4 Other disorders originating in the perinatal period (P90-P96)	392	7,3
5 Influenza and pneumonia (J10-J18)	413	3,7	5 Infections specific to the perinatal period (P35-P39)	209	3,5	5 Influenza and pneumonia (J10-J18)	212	3,9
6 Infections specific to the perinatal period (P35-P39)	394	3,5	6 Influenza and pneumonia (J10-J18)	201	3,4	6 Malnutrition (E40-E46)	188	3,5
7 Disorders related to the length of gestation and foetal growth (P05-P08)	365	3,2	7 Disorders related to the length of gestation and foetal growth (P05-P08)	189	3,2	7 Infections specific to the perinatal period (P35-P39)	185	3,4
8 Malnutrition (E40-E46)	363	3,2	8 Malnutrition (E40-E46)	175	3,0	8 Disorders related to the length of gestation and foetal growth (P05-P08)	176	3,3
9 Certain disorders involving the immune mechanism (D80-D89)	317	2,8	9 Certain disorders involving the immune mechanism (D80-D89)	167	2,8	9 Certain disorders involving the immune mechanism (D80-D89)	150	2,8
10 Tuberculosis (A15-A19)	260	2,3	10 Tuberculosis (A15-A19)	136	2,3	10 Tuberculosis (A15-A19)	124	2,3
... Other causes	4 185	37,0	... Other causes	2 260	38,3	... Other causes	1 925	35,6
... All causes	11 307	100,0	... All causes	5 905	100,0	... All causes	5 402	100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years				
1 Tuberculosis (A15-A19)	9 451	21,1	1 Tuberculosis (A15-A19)	5 009	20,5	1 Tuberculosis (A15-A19)	4 442	21,7
2 Influenza and pneumonia (J10-J18)	3 008	6,7	2 Influenza and pneumonia (J10-J18)	1 340	5,5	2 Influenza and pneumonia (J10-J18)	1 668	8,2
3 Intestinal infectious diseases (A00-A09)	2 351	5,2	3 Intestinal infectious diseases (A00-A09)	1 003	4,1	3 Intestinal infectious diseases (A00-A09)	1 348	6,6
4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 763	3,9	4 Human immunodeficiency virus [HIV] disease (B20-B24)	919	3,8	4 Certain disorders involving the immune mechanism (D80-D89)	929	4,5
5 Certain disorders involving the immune mechanism (D80-D89)	1 585	3,5	5 Certain disorders involving the immune mechanism (D80-D89)	656	2,7	5 Human immunodeficiency virus [HIV] disease (B20-B24)	844	4,1
6 Other forms of heart disease (I30-I52)	1 082	2,4	6 Other forms of heart disease (I30-I52)	537	2,2	6 Other forms of heart disease (I30-I52)	545	2,7
7 Other viral diseases (B25-B34)	909	2,0	7 Cerebrovascular diseases (I60-I69)	453	1,9	7 Other viral diseases (B25-B34)	530	2,6
8 Cerebrovascular diseases (I60-I69)	879	2,0	8 Chronic lower respiratory diseases (J40-J47)	392	1,6	8 Cerebrovascular diseases (I60-I69)	426	2,1
9 Inflammatory diseases of the central nervous system (G00-G09)	780	1,7	9 Other viral diseases (B25-B34)	379	1,6	9 Inflammatory diseases of the central nervous system (G00-G09)	419	2,1
10 Chronic lower respiratory diseases (J40-J47)	691	1,5	10 Inflammatory diseases of the central nervous system (G00-G09)	361	1,5	10 Noninfective enteritis and colitis (K50-K52)	311	1,5
... Other causes	22 317	49,8	... Other causes	13 341	54,7	... Other causes	8 964	43,9
... All causes	44 816	100,0	... All causes	24 390	100,0	... All causes	20 426	100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 521	10,0	1 Tuberculosis (A15-A19)	1 099	12,2	1 Diabetes mellitus (E10-E14)	732	11,7
2 Cerebrovascular diseases (I60-I69)	1 309	8,6	2 Cerebrovascular diseases (I60-I69)	647	7,2	2 Cerebrovascular diseases (I60-I69)	662	10,6
3 Diabetes mellitus (E10-E14)	1 233	8,1	3 Diabetes mellitus (E10-E14)	501	5,6	3 Other forms of heart disease (I30-I52)	444	7,1
4 Other forms of heart disease (I30-I52)	924	6,1	4 Other forms of heart disease (I30-I52)	480	5,3	4 Tuberculosis (A15-A19)	422	6,8
5 Ischaemic heart diseases (I20-I25)	641	4,2	5 Chronic lower respiratory diseases (J40-J47)	452	5,0	5 Hypertensive diseases (I10-I15)	270	4,3
6 Chronic lower respiratory diseases (J40-J47)	629	4,1	6 Ischaemic heart diseases (I20-I25)	450	5,0	6 Influenza and pneumonia (J10-J18)	210	3,4
7 Influenza and pneumonia (J10-J18)	596	3,9	7 Influenza and pneumonia (J10-J18)	386	4,3	7 Intestinal infectious diseases (A00-A09)	205	3,3
8 Hypertensive diseases (I10-I15)	508	3,3	8 Malignant neoplasms of digestive organs (C15-C26)	304	3,4	8 Ischaemic heart diseases (I20-I25)	191	3,1
9 Malignant neoplasms of digestive organs (C15-C26)	475	3,1	9 Intestinal infectious diseases (A00-A09)	253	2,8	9 Chronic lower respiratory diseases (J40-J47)	177	2,8
10 Intestinal infectious diseases (A00-A09)	458	3,0	10 Hypertensive diseases (I10-I15)	238	2,6	10 Malignant neoplasms of female genital organs (C51-C58)	176	2,8
... Other causes	6 970	45,7	... Other causes	4 208	46,7	... Other causes	2 757	44,1
... All causes	15 264	100,0	... All causes	9 018	100,0	... All causes	6 246	100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	2 656	11,6	1 Cerebrovascular diseases (I60-I69)	907	9,7	1 Cerebrovascular diseases (I60-I69)	1 749	12,9
2 Other forms of heart disease (I30-I52)	2 081	9,1	2 Other forms of heart disease (I30-I52)	781	8,4	2 Other forms of heart disease (I30-I52)	1 300	9,6
3 Diabetes mellitus (E10-E14)	1 687	7,4	3 Chronic lower respiratory diseases (J40-J47)	615	6,6	3 Diabetes mellitus (E10-E14)	1 174	8,6
4 Ischaemic heart diseases (I20-I25)	1 100	4,8	4 Ischaemic heart diseases (I20-I25)	549	5,9	4 Hypertensive diseases (I10-I15)	732	5,4
5 Chronic lower respiratory diseases (J40-J47)	1 059	4,6	5 Diabetes mellitus (E10-E14)	513	5,5	5 Ischaemic heart diseases (I20-I25)	551	4,1
6 Hypertensive diseases (I10-I15)	1 038	4,5	6 Tuberculosis (A15-A19)	480	5,1	6 Influenza and pneumonia (J10-J18)	519	3,8
7 Influenza and pneumonia (J10-J18)	906	4,0	7 Influenza and pneumonia (J10-J18)	387	4,2	7 Chronic lower respiratory diseases (J40-J47)	444	3,3
8 Tuberculosis (A15-A19)	757	3,3	8 Malignant neoplasms of digestive organs (C15-C26)	307	3,3	8 Intestinal infectious diseases (A00-A09)	394	2,9
9 Malignant neoplasms of digestive organs (C15-C26)	611	2,7	9 Hypertensive diseases (I10-I15)	306	3,3	9 Malignant neoplasms of digestive organs (C15-C26)	304	2,2
10 Intestinal infectious diseases (A00-A09)	610	2,7	10 Intestinal infectious diseases (A00-A09)	216	2,3	10 Tuberculosis (A15-A19)	277	2,0
... Other causes	10 397	45,4	... Other causes	4 260	45,7	... Other causes	6 137	45,2
... All causes	22 902	100,0	... All causes	9 321	100,0	... All causes	13 581	100,0

Excluding a total of 1107 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 2000

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	3 820	10,9	1 Tuberculosis (A15-A19)	2 178	11,7	1 Tuberculosis (A15-A19)	1 642	10,0
2 Influenza and pneumonia (J10-J18)	3 262	9,3	2 Influenza and pneumonia (J10-J18)	1 650	8,9	2 Influenza and pneumonia (J10-J18)	1 612	9,8
3 Other forms of heart disease (I30-I52)	2 209	6,3	3 Other forms of heart disease (I30-I52)	1 056	5,7	3 Other forms of heart disease (I30-I52)	1 153	7,0
4 Cerebrovascular diseases (I60-I69)	1 930	5,5	4 Cerebrovascular diseases (I60-I69)	866	4,7	4 Cerebrovascular diseases (I60-I69)	1 064	6,5
5 Intestinal infectious diseases (A00-A09)	1 587	4,5	5 Intestinal infectious diseases (A00-A09)	703	3,8	5 Certain disorders involving the immune mechanism (D80-D89)	908	5,5
6 Certain disorders involving the immune mechanism (D80-D89)	1 491	4,3	6 Chronic lower respiratory diseases (J40-J47)	658	3,5	6 Intestinal infectious diseases (A00-A09)	884	5,4
7 Hypertensive diseases (I10-I15)	1 060	3,0	7 Certain disorders involving the immune mechanism (D80-D89)	583	3,1	7 Hypertensive diseases (I10-I15)	659	4,0
8 Chronic lower respiratory diseases (J40-J47)	1 057	3,0	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	540	2,9	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	504	3,1
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 044	3,0	9 Human immunodeficiency virus [HIV] disease (B20-B24)	539	2,9	9 Diabetes mellitus (E10-E14)	452	2,7
10 Human immunodeficiency virus [HIV] disease (B20-B24)	940	2,7	10 Ischaemic heart diseases (I20-I25)	433	2,3	10 Human immunodeficiency virus [HIV] disease (B20-B24)	402	2,4
... Other causes	16 658	47,5	... Other causes	9 379	50,5	... Other causes	7 194	43,7
... All causes	35 058	100,0	... All causes	18 584	100,0	... All causes	16 474	100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 044	21,9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	540	21,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	504	22,4
2 Digestive system disorders of foetus and newborn (P75-P78)	730	15,3	2 Digestive system disorders of foetus and newborn (P75-P78)	382	15,2	2 Digestive system disorders of foetus and newborn (P75-P78)	348	15,4
3 Intestinal infectious diseases (A00-A09)	395	8,3	3 Intestinal infectious diseases (A00-A09)	209	8,3	3 Intestinal infectious diseases (A00-A09)	186	8,2
4 Influenza and pneumonia (J10-J18)	230	4,8	4 Disorders related to the length of gestation and foetal growth (P05-P08)	127	5,1	4 Influenza and pneumonia (J10-J18)	121	5,4
5 Malnutrition (E40-E46)	227	4,8	5 Malnutrition (E40-E46)	114	4,5	5 Malnutrition (E40-E46)	113	5,0
6 Disorders related to the length of gestation and foetal growth (P05-P08)	208	4,4	6 Influenza and pneumonia (J10-J18)	109	4,3	6 Certain disorders involving the immune mechanism (D80-D89)	112	5,0
7 Certain disorders involving the immune mechanism (D80-D89)	205	4,3	7 Infections specific to the perinatal period (P35-P39)	109	4,3	7 Disorders related to the length of gestation and foetal growth (P05-P08)	81	3,6
8 Infections specific to the perinatal period (P35-P39)	182	3,8	8 Certain disorders involving the immune mechanism (D80-D89)	93	3,7	8 Infections specific to the perinatal period (P35-P39)	73	3,2
9 Other disorders originating in the perinatal period (P90-P96)	139	2,9	9 Other disorders originating in the perinatal period (P90-P96)	85	3,4	9 Other disorders originating in the perinatal period (P90-P96)	54	2,4
10 Tuberculosis (A15-A19)	89	1,9	10 Tuberculosis (A15-A19)	38	1,5	10 Tuberculosis (A15-A19)	51	2,3
... Other causes	1 319	27,7	... Other causes	707	28,1	... Other causes	612	27,1
... All causes	4 768	100,0	... All causes	2 513	100,0	... All causes	2 255	100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years				
1 Tuberculosis (A15-A19)	2 839	18,1	1 Tuberculosis (A15-A19)	1 457	17,6	1 Tuberculosis (A15-A19)	1 382	18,6
2 Influenza and pneumonia (J10-J18)	1 990	12,7	2 Influenza and pneumonia (J10-J18)	926	11,2	2 Influenza and pneumonia (J10-J18)	1 064	14,3
3 Certain disorders involving the immune mechanism (D80-D89)	1 200	7,6	3 Certain disorders involving the immune mechanism (D80-D89)	451	5,4	3 Certain disorders involving the immune mechanism (D80-D89)	749	10,1
4 Intestinal infectious diseases (A00-A09)	811	5,2	4 Human immunodeficiency virus [HIV] disease (B20-B24)	444	5,4	4 Intestinal infectious diseases (A00-A09)	489	6,6
5 Human immunodeficiency virus [HIV] disease (B20-B24)	792	5,0	5 Intestinal infectious diseases (A00-A09)	322	3,9	5 Other forms of heart disease (I30-I52)	350	4,7
6 Other forms of heart disease (I30-I52)	654	4,2	6 Other forms of heart disease (I30-I52)	304	3,7	6 Human immunodeficiency virus [HIV] disease (B20-B24)	348	4,7
7 Cerebrovascular diseases (I60-I69)	359	2,3	7 Cerebrovascular diseases (I60-I69)	184	2,2	7 Cerebrovascular diseases (I60-I69)	175	2,3
8 Chronic lower respiratory diseases (J40-J47)	276	1,8	8 Chronic lower respiratory diseases (J40-J47)	137	1,7	8 Chronic lower respiratory diseases (J40-J47)	139	1,9
9 Inflammatory diseases of the central nervous system (G00-G09)	233	1,5	9 Inflammatory diseases of the central nervous system (G00-G09)	135	1,6	9 Malignant neoplasms of female genital organs (C51-C58)	106	1,4
10 Episodic and paroxysmal disorders (G40-G47)	162	1,0	10 Malignant neoplasms of digestive organs (C15-C26)	102	1,2	10 Inflammatory diseases of the central nervous system (G00-G09)	98	1,3
... Other causes	6 412	40,8	... Other causes	3 819	46,1	... Other causes	2 547	34,2
... All causes	15 728	100,0	... All causes	8 281	100,0	... All causes	7 447	100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years				
1 Tuberculosis (A15-A19)	614	10,8	1 Tuberculosis (A15-A19)	465	13,3	1 Cerebrovascular diseases (I60-I69)	219	9,9
2 Other forms of heart disease (I30-I52)	504	8,8	2 Influenza and pneumonia (J10-J18)	292	8,4	2 Other forms of heart disease (I30-I52)	214	9,7
3 Cerebrovascular diseases (I60-I69)	455	8,0	3 Other forms of heart disease (I30-I52)	290	8,3	3 Tuberculosis (A15-A19)	149	6,7
4 Influenza and pneumonia (J10-J18)	429	7,5	4 Cerebrovascular diseases (I60-I69)	236	6,8	4 Hypertensive diseases (I10-I15)	143	6,5
5 Chronic lower respiratory diseases (J40-J47)	314	5,5	5 Chronic lower respiratory diseases (J40-J47)	198	5,7	5 Influenza and pneumonia (J10-J18)	137	6,2
6 Hypertensive diseases (I10-I15)	253	4,4	6 Malignant neoplasms of digestive organs (C15-C26)	144	4,1	6 Diabetes mellitus (E10-E14)	120	5,4
7 Diabetes mellitus (E10-E14)	228	4,0	7 Ischaemic heart diseases (I20-I25)	136	3,9	7 Chronic lower respiratory diseases (J40-J47)	116	5,3
8 Malignant neoplasms of digestive organs (C15-C26)	227	4,0	8 Hypertensive diseases (I10-I15)	110	3,1	8 Malignant neoplasms of female genital organs (C51-C58)	101	4,6
9 Ischaemic heart diseases (I20-I25)	206	3,6	9 Diabetes mellitus (E10-E14)	108	3,1	9 Malignant neoplasms of digestive organs (C15-C26)	83	3,8
10 Intestinal infectious diseases (A00-A09)	147	2,6	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	93	2,7	10 Ischaemic heart diseases (I20-I25)	70	3,2
... Other causes	2 325	40,8	... Other causes	1 422	40,7	... Other causes	856	38,8
... All causes	5 702	100,0	... All causes	3 494	100,0	... All causes	2 208	100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	1 106	12,5	1 Other forms of heart disease (I30-I52)	451	10,5	1 Cerebrovascular diseases (I60-I69)	665	14,6
2 Other forms of heart disease (I30-I52)	1 021	11,5	2 Cerebrovascular diseases (I60-I69)	441	10,3	2 Other forms of heart disease (I30-I52)	570	12,5
3 Hypertensive diseases (I10-I15)	691	7,8	3 Influenza and pneumonia (J10-J18)	323	7,5	3 Hypertensive diseases (I10-I15)	451	9,9
4 Influenza and pneumonia (J10-J18)	613	6,9	4 Chronic lower respiratory diseases (J40-J47)	316	7,4	4 Influenza and pneumonia (J10-J18)	290	6,4
5 Chronic lower respiratory diseases (J40-J47)	450	5,1	5 Hypertensive diseases (I10-I15)	240	5,6	5 Diabetes mellitus (E10-E14)	253	5,5
6 Ischaemic heart diseases (I20-I25)	408	4,6	6 Tuberculosis (A15-A19)	218	5,1	6 Ischaemic heart diseases (I20-I25)	201	4,4
7 Diabetes mellitus (E10-E14)	383	4,3	7 Ischaemic heart diseases (I20-I25)	207	4,8	7 Intestinal infectious diseases (A00-A09)	140	3,1
8 Malignant neoplasms of digestive organs (C15-C26)	292	3,3	8 Malignant neoplasms of digestive organs (C15-C26)	185	4,3	8 Chronic lower respiratory diseases (J40-J47)	134	2,9
9 Tuberculosis (A15-A19)	278	3,1	9 Diabetes mellitus (E10-E14)	130	3,0	9 Malignant neoplasms of digestive organs (C15-C26)	107	2,3
10 Intestinal infectious diseases (A00-A09)	234	2,6	10 Malignant neoplasms of male genital organs (C60-C63)	102	2,4	10 Malignant neoplasms of female genital organs (C51-C58)	78	1,7
... Other causes	3 384	38,2	... Other causes	1 683	39,2	... Other causes	1 675	36,7
... All causes	8 860	100,0	... All causes	4 296	100,0	... All causes	4 564	100,0

Excluding a total of 294 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 2000

Gauteng, both sexes, all ages		Gauteng, male, all ages		Gauteng, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	6 095	7,7	1 Tuberculosis (A15-A19)	3 714	8,6	1 Other forms of heart disease (I30-I52)	2 389	6,6
2 Other forms of heart disease (I30-I52)	4 688	5,9	2 Other forms of heart disease (I30-I52)	2 299	5,3	2 Tuberculosis (A15-A19)	2 381	6,6
3 Influenza and pneumonia (J10-J18)	4 548	5,7	3 Influenza and pneumonia (J10-J18)	2 256	5,2	3 Influenza and pneumonia (J10-J18)	2 292	6,3
4 Cerebrovascular diseases (I60-I69)	3 688	4,7	4 Cerebrovascular diseases (I60-I69)	1 622	3,8	4 Cerebrovascular diseases (I60-I69)	2 066	5,7
5 Ischaemic heart diseases (I20-I25)	2 527	3,2	5 Ischaemic heart diseases (I20-I25)	1 485	3,4	5 Diabetes mellitus (E10-E14)	1 439	4,0
6 Diabetes mellitus (E10-E14)	2 523	3,2	6 Chronic lower respiratory diseases (J40-J47)	1 200	2,8	6 Hypertensive diseases (I10-I15)	1 229	3,4
7 Chronic lower respiratory diseases (J40-J47)	2 101	2,6	7 Diabetes mellitus (E10-E14)	1 084	2,5	7 Ischaemic heart diseases (I20-I25)	1 042	2,9
8 Human immunodeficiency virus [HIV] disease (B20-B24)	2 018	2,5	8 Malignant neoplasms of digestive organs (C15-C26)	1 050	2,4	8 Certain disorders involving the immune mechanism (D80-D89)	1 029	2,8
9 Certain disorders involving the immune mechanism (D80-D89)	1 908	2,4	9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 036	2,4	9 Human immunodeficiency virus [HIV] disease (B20-B24)	962	2,7
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 908	2,4	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	980	2,3	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	928	2,6
... Other causes	47 298	59,6	... Other causes	26 400	61,2	... Other causes	20 399	56,4
... All causes	79 302	100,0	... All causes	43 126	100,0	... All causes	36 176	100,0
Gauteng, both sexes, 0-14 years		Gauteng, male, 0-14 years		Gauteng, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 908	20,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	980	19,9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	928	21,4
2 Other disorders originating in the perinatal period (P90-P96)	1 046	11,3	2 Other disorders originating in the perinatal period (P90-P96)	544	11,1	2 Other disorders originating in the perinatal period (P90-P96)	502	11,6
3 Digestive system disorders of foetus and newborn (P75-P78)	895	9,7	3 Digestive system disorders of foetus and newborn (P75-P78)	462	9,4	3 Digestive system disorders of foetus and newborn (P75-P78)	433	10,0
4 Infections specific to the perinatal period (P35-P39)	363	3,9	4 Infections specific to the perinatal period (P35-P39)	191	3,9	4 Infections specific to the perinatal period (P35-P39)	172	4,0
5 Certain disorders involving the immune mechanism (D80-D89)	352	3,8	5 Certain disorders involving the immune mechanism (D80-D89)	188	3,8	5 Certain disorders involving the immune mechanism (D80-D89)	164	3,8
6 Intestinal infectious diseases (A00-A09)	300	3,2	6 Intestinal infectious diseases (A00-A09)	153	3,1	6 Intestinal infectious diseases (A00-A09)	147	3,4
7 Other viral diseases (B25-B34)	272	2,9	7 Other viral diseases (B25-B34)	143	2,9	7 Other viral diseases (B25-B34)	129	3,0
8 Disorders related to the length of gestation and foetal growth (P05-P08)	257	2,8	8 Influenza and pneumonia (J10-J18)	135	2,7	8 Disorders related to the length of gestation and foetal growth (P05-P08)	127	2,9
9 Influenza and pneumonia (J10-J18)	252	2,7	9 Disorders related to the length of gestation and foetal growth (P05-P08)	130	2,6	9 Influenza and pneumonia (J10-J18)	117	2,7
10 Human immunodeficiency virus [HIV] disease (B20-B24)	224	2,4	10 Human immunodeficiency virus [HIV] disease (B20-B24)	124	2,5	10 Human immunodeficiency virus [HIV] disease (B20-B24)	100	2,3
... Other causes	3 390	36,6	... Other causes	1 671	38,0	... Other causes	1 519	35,0
... All causes	9 259	100,0	... All causes	4 921	100,0	... All causes	4 338	100,0
Gauteng, both sexes, 15-49 years		Gauteng, male, 15-49 years		Gauteng, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 699	13,6	1 Tuberculosis (A15-A19)	2 735	13,4	1 Tuberculosis (A15-A19)	1 964	13,9
2 Influenza and pneumonia (J10-J18)	2 684	7,8	2 Influenza and pneumonia (J10-J18)	1 300	6,4	2 Influenza and pneumonia (J10-J18)	1 384	9,8
3 Human immunodeficiency virus [HIV] disease (B20-B24)	1 629	4,7	3 Human immunodeficiency virus [HIV] disease (B20-B24)	813	4,0	3 Human immunodeficiency virus [HIV] disease (B20-B24)	816	5,8
4 Certain disorders involving the immune mechanism (D80-D89)	1 366	4,0	4 Other forms of heart disease (I30-I52)	784	3,8	4 Certain disorders involving the immune mechanism (D80-D89)	772	5,5
5 Other forms of heart disease (I30-I52)	1 346	3,9	5 Certain disorders involving the immune mechanism (D80-D89)	594	2,9	5 Other forms of heart disease (I30-I52)	562	4,0
6 Intestinal infectious diseases (A00-A09)	844	2,4	6 Cerebrovascular diseases (I60-I69)	395	1,9	6 Intestinal infectious diseases (A00-A09)	484	3,4
7 Other viral diseases (B25-B34)	818	2,4	7 Other viral diseases (B25-B34)	366	1,8	7 Other viral diseases (B25-B34)	452	3,2
8 Cerebrovascular diseases (I60-I69)	763	2,2	8 Intestinal infectious diseases (A00-A09)	360	1,8	8 Cerebrovascular diseases (I60-I69)	368	2,6
9 Inflammatory diseases of the central nervous system (G00-G09)	434	1,3	9 Ischaemic heart diseases (I20-I25)	243	1,2	9 Malignant neoplasms of female genital organs (C51-C58)	221	1,6
10 Diabetes mellitus (E10-E14)	413	1,2	10 Inflammatory diseases of the central nervous system (G00-G09)	229	1,1	10 Diabetes mellitus (E10-E14)	208	1,5
... Other causes	19 483	56,5	... Other causes	12 560	61,6	... Other causes	6 869	48,7
... All causes	34 479	100,0	... All causes	20 379	100,0	... All causes	14 100	100,0
Gauteng, both sexes, 50-64 years		Gauteng, male, 50-64 years		Gauteng, female, 50-64 years				
1 Other forms of heart disease (I30-I52)	1 039	7,4	1 Tuberculosis (A15-A19)	688	8,3	1 Cerebrovascular diseases (I60-I69)	472	8,3
2 Cerebrovascular diseases (I60-I69)	966	6,9	2 Other forms of heart disease (I30-I52)	582	7,0	2 Other forms of heart disease (I30-I52)	457	8,0
3 Tuberculosis (A15-A19)	938	6,7	3 Cerebrovascular diseases (I60-I69)	494	5,9	3 Diabetes mellitus (E10-E14)	368	6,5
4 Diabetes mellitus (E10-E14)	738	5,3	4 Ischaemic heart diseases (I20-I25)	450	5,4	4 Hypertensive diseases (I10-I15)	285	5,0
5 Ischaemic heart diseases (I20-I25)	648	4,6	5 Influenza and pneumonia (J10-J18)	384	4,6	5 Tuberculosis (A15-A19)	250	4,4
6 Influenza and pneumonia (J10-J18)	610	4,4	6 Diabetes mellitus (E10-E14)	370	4,4	6 Chronic lower respiratory diseases (J40-J47)	233	4,1
7 Chronic lower respiratory diseases (J40-J47)	593	4,2	7 Malignant neoplasms of digestive organs (C15-C26)	366	4,4	7 Influenza and pneumonia (J10-J18)	226	4,0
8 Malignant neoplasms of digestive organs (C15-C26)	584	4,2	8 Chronic lower respiratory diseases (J40-J47)	360	4,3	8 Malignant neoplasms of female genital organs (C51-C58)	226	4,0
9 Hypertensive diseases (I10-I15)	482	3,4	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	313	3,8	9 Malignant neoplasms of digestive organs (C15-C26)	218	3,8
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	405	2,9	10 Hypertensive diseases (I10-I15)	197	2,4	10 Ischaemic heart diseases (I20-I25)	198	3,5
... Other causes	6 994	50,0	... Other causes	4 114	49,5	... Other causes	2 746	48,4
... All causes	13 997	100,0	... All causes	8 318	100,0	... All causes	5 679	100,0
Gauteng, both sexes, 65 years and above		Gauteng, male, 65 years and above		Gauteng, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	2 229	10,3	1 Other forms of heart disease (I30-I52)	897	9,4	1 Other forms of heart disease (I30-I52)	1 332	11,0
2 Cerebrovascular diseases (I60-I69)	1 839	9,0	2 Ischaemic heart diseases (I20-I25)	788	8,3	2 Cerebrovascular diseases (I60-I69)	1 217	10,1
3 Ischaemic heart diseases (I20-I25)	1 557	7,2	3 Cerebrovascular diseases (I60-I69)	722	7,6	3 Diabetes mellitus (E10-E14)	859	7,1
4 Diabetes mellitus (E10-E14)	1 363	6,3	4 Chronic lower respiratory diseases (J40-J47)	622	6,5	4 Hypertensive diseases (I10-I15)	801	6,6
5 Hypertensive diseases (I10-I15)	1 115	5,2	5 Diabetes mellitus (E10-E14)	504	5,3	5 Ischaemic heart diseases (I20-I25)	769	6,4
6 Chronic lower respiratory diseases (J40-J47)	1 109	5,1	6 Malignant neoplasms of digestive organs (C15-C26)	457	4,8	6 Influenza and pneumonia (J10-J18)	565	4,7
7 Influenza and pneumonia (J10-J18)	1 002	4,6	7 Influenza and pneumonia (J10-J18)	437	4,6	7 Chronic lower respiratory diseases (J40-J47)	487	4,0
8 Malignant neoplasms of digestive organs (C15-C26)	875	4,1	8 Malignant neoplasms of male genital organs (C60-C63)	321	3,4	8 Malignant neoplasms of digestive organs (C15-C26)	418	3,5
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	432	2,0	9 Hypertensive diseases (I10-I15)	314	3,3	9 Renal failure (N17-N19)	222	1,8
10 Renal failure (N17-N19)	431	2,0	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	276	2,9	10 Intestinal infectious diseases (A00-A09)	195	1,6
... Other causes	9 515	44,1	... Other causes	4 170	43,9	... Other causes	5 194	43,1
... All causes	21 567	100,0	... All causes	9 508	100,0	... All causes	12 059	100,0

Excluding a total of 749 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 2000

Mpumalanga, both sexes, all ages		Mpumalanga, male, all ages		Mpumalanga, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	2 808	10,1	1 630	11,0	1 178	9,0
2 Influenza and pneumonia (J10-J18)	1 868	6,7	925	6,2	943	7,2
3 Cerebrovascular diseases (I60-I69)	1 348	4,8	628	4,2	736	5,6
4 Other forms of heart disease (I30-I52)	1 346	4,8	612	4,1	718	5,5
5 Intestinal infectious diseases (A00-A09)	1 225	4,4	575	3,9	669	5,1
6 Certain disorders involving the immune mechanism (D80-D89)	1 199	4,3	556	3,7	624	4,8
7 Human immunodeficiency virus [HIV] disease (B20-B24)	903	3,2	495	3,3	509	3,9
8 Hypertensive diseases (I10-I15)	895	3,2	442	3,0	481	3,5
9 Chronic lower respiratory diseases (J40-J47)	819	2,9	401	2,7	452	3,5
10 Diabetes mellitus (E10-E14)	770	2,8	386	2,6	354	2,7
... Other causes	14 712	52,7	8 203	55,2	6 396	49,0
... All causes	27 893	100,0	14 853	100,0	13 040	100,0
Mpumalanga, both sexes, 0-14 years		Mpumalanga, male, 0-14 years		Mpumalanga, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	755	21,4	401	22,3	354	20,4
2 Digestive system disorders of foetus and newborn (P75-P78)	437	12,4	222	12,3	215	12,4
3 Intestinal infectious diseases (A00-A09)	264	7,5	125	6,9	139	8,0
4 Other disorders originating in the perinatal period (P90-P96)	207	5,9	103	5,7	104	6,0
5 Disorders related to the length of gestation and foetal growth (P05-P08)	145	4,1	79	4,4	87	5,0
6 Influenza and pneumonia (J10-J18)	143	4,0	60	3,3	66	3,8
7 Certain disorders involving the immune mechanism (D80-D89)	109	3,1	56	3,1	65	3,8
8 Infections specific to the perinatal period (P35-P39)	103	2,9	53	2,9	49	2,8
9 Malnutrition (E40-E46)	95	2,7	40	2,2	42	2,4
10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	76	2,2	38	2,1	41	2,4
... Other causes	1 200	34,0	625	34,7	570	32,9
... All causes	3 534	100,0	1 802	100,0	1 732	100,0
Mpumalanga, both sexes, 15-49 years		Mpumalanga, male, 15-49 years		Mpumalanga, female, 15-49 years		
1 Tuberculosis (A15-A19)	2 069	16,3	1 102	16,1	967	16,6
2 Influenza and pneumonia (J10-J18)	1 056	8,3	489	7,1	567	9,7
3 Certain disorders involving the immune mechanism (D80-D89)	984	7,7	450	6,6	534	9,2
4 Human immunodeficiency virus [HIV] disease (B20-B24)	756	6,0	361	5,3	395	6,8
5 Intestinal infectious diseases (A00-A09)	607	4,8	253	3,7	354	6,1
6 Other forms of heart disease (I30-I52)	331	2,6	148	2,2	183	3,1
7 Cerebrovascular diseases (I60-I69)	256	2,0	131	1,9	125	2,1
8 Chronic lower respiratory diseases (J40-J47)	217	1,7	111	1,6	106	1,8
9 Diseases of liver (K70-K77)	178	1,4	94	1,4	97	1,7
10 Other viral diseases (B25-B34)	158	1,2	80	1,2	84	1,4
... Other causes	6 085	47,9	3 644	53,1	2 422	41,5
... All causes	12 697	100,0	6 863	100,0	5 834	100,0
Mpumalanga, both sexes, 50-64 years		Mpumalanga, male, 50-64 years		Mpumalanga, female, 50-64 years		
1 Tuberculosis (A15-A19)	459	9,7	344	11,7	158	8,7
2 Cerebrovascular diseases (I60-I69)	369	7,8	211	7,2	147	8,1
3 Other forms of heart disease (I30-I52)	306	6,4	199	6,8	145	8,0
4 Influenza and pneumonia (J10-J18)	299	6,3	165	5,6	141	7,8
5 Hypertensive diseases (I10-I15)	279	5,9	155	5,3	115	6,3
6 Diabetes mellitus (E10-E14)	255	5,4	134	4,6	100	5,5
7 Chronic lower respiratory diseases (J40-J47)	216	4,5	110	3,7	78	4,3
8 Intestinal infectious diseases (A00-A09)	167	3,5	108	3,7	66	3,6
9 Malignant neoplasms of digestive organs (C15-C26)	159	3,3	108	3,7	61	3,4
10 Ischaemic heart diseases (I20-I25)	156	3,3	91	3,1	51	2,8
... Other causes	2 086	43,9	1 310	44,6	754	41,5
... All causes	4 751	100,0	2 935	100,0	1 816	100,0
Mpumalanga, both sexes, 65 years and above		Mpumalanga, male, 65 years and above		Mpumalanga, female, 65 years and above		
1 Cerebrovascular diseases (I60-I69)	716	10,4	302	9,3	449	12,3
2 Other forms of heart disease (I30-I52)	684	9,9	267	8,2	392	10,4
3 Hypertensive diseases (I10-I15)	461	6,7	227	7,0	275	7,5
4 Diabetes mellitus (E10-E14)	389	5,6	186	5,7	254	6,9
5 Chronic lower respiratory diseases (J40-J47)	375	5,4	181	5,6	189	5,2
6 Influenza and pneumonia (J10-J18)	370	5,4	159	4,9	148	4,0
7 Ischaemic heart diseases (I20-I25)	287	4,2	145	4,5	142	3,9
8 Tuberculosis (A15-A19)	224	3,2	135	4,2	98	2,7
9 Malignant neoplasms of digestive organs (C15-C26)	209	3,0	119	3,7	90	2,5
10 Intestinal infectious diseases (A00-A09)	187	2,7	92	2,8	73	2,0
... Other causes	3 009	43,5	1 440	44,3	1 558	42,6
... All causes	6 911	100,0	3 253	100,0	3 658	100,0

Excluding a total of 295 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 2000

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	2 218	7,1	1 Tuberculosis (A15-A19)	1 358	8,5	1 Influenza and pneumonia (J10-J18)	1 054	7,0
2 Influenza and pneumonia (J10-J18)	2 122	6,8	2 Influenza and pneumonia (J10-J18)	1 068	6,7	2 Other forms of heart disease (I30-I52)	949	6,3
3 Other forms of heart disease (I30-I52)	1 851	6,0	3 Other forms of heart disease (I30-I52)	902	5,6	3 Cerebrovascular diseases (I60-I69)	893	5,9
4 Cerebrovascular diseases (I60-I69)	1 556	5,0	4 Cerebrovascular diseases (I60-I69)	663	4,1	4 Tuberculosis (A15-A19)	860	5,7
5 Intestinal infectious diseases (A00-A09)	1 491	4,8	5 Intestinal infectious diseases (A00-A09)	656	4,1	5 Intestinal infectious diseases (A00-A09)	835	5,6
6 Hypertensive diseases (I10-I15)	1 173	3,8	6 Hypertensive diseases (I10-I15)	584	3,6	6 Hypertensive diseases (I10-I15)	589	3,9
7 Diabetes mellitus (E10-E14)	953	3,1	7 Chronic lower respiratory diseases (J40-J47)	522	3,3	7 Diabetes mellitus (E10-E14)	547	3,6
8 Chronic lower respiratory diseases (J40-J47)	823	2,6	8 Ischaemic heart diseases (I20-I25)	458	2,9	8 Ischaemic heart diseases (I20-I25)	364	2,4
9 Ischaemic heart diseases (I20-I25)	822	2,6	9 Diabetes mellitus (E10-E14)	406	2,5	9 Certain disorders involving the immune mechanism (D80-D89)	336	2,2
10 Certain disorders involving the immune mechanism (D80-D89)	652	2,1	10 Diseases of liver (K70-K77)	383	2,4	10 Human immunodeficiency virus [HIV] disease (B20-B24)	323	2,1
... Other causes	17 413	56,0	... Other causes	9 029	56,3	... Other causes	8 295	55,1
... All causes	31 074	100,0	... All causes	16 029	100,0	... All causes	15 045	100,0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	470	15,4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	244	14,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	226	16,1
2 Intestinal infectious diseases (A00-A09)	287	9,4	2 Digestive system disorders of foetus and newborn (P75-P78)	152	9,2	2 Intestinal infectious diseases (A00-A09)	138	9,8
3 Digestive system disorders of foetus and newborn (P75-P78)	263	8,6	3 Intestinal infectious diseases (A00-A09)	149	9,0	3 Digestive system disorders of foetus and newborn (P75-P78)	111	7,9
4 Influenza and pneumonia (J10-J18)	208	6,8	4 Influenza and pneumonia (J10-J18)	119	7,2	4 Influenza and pneumonia (J10-J18)	89	6,3
5 Malnutrition (E40-E46)	138	4,5	5 Malnutrition (E40-E46)	65	3,9	5 Malnutrition (E40-E46)	73	5,2
6 Other disorders originating in the perinatal period (P90-P96)	104	3,4	6 Other disorders originating in the perinatal period (P90-P96)	55	3,3	6 Disorders related to the length of gestation and foetal growth (P05-P08)	62	4,4
7 Disorders related to the length of gestation and foetal growth (P05-P08)	98	3,2	7 Certain disorders involving the immune mechanism (D80-D89)	39	2,4	7 Other disorders originating in the perinatal period (P90-P96)	49	3,5
8 Inflammatory diseases of the central nervous system (G00-G09)	69	2,3	8 Disorders related to the length of gestation and foetal growth (P05-P08)	36	2,2	8 Inflammatory diseases of the central nervous system (G00-G09)	34	2,4
9 Certain disorders involving the immune mechanism (D80-D89)	65	2,1	9 Infections specific to the perinatal period (P35-P39)	36	2,2	9 Infections specific to the perinatal period (P35-P39)	28	2,0
10 Infections specific to the perinatal period (P35-P39)	64	2,1	10 Inflammatory diseases of the central nervous system (G00-G09)	35	2,1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	28	2,0
... Other causes	1 290	42,2	... Other causes	723	43,7	... Other causes	565	40,3
... All causes	3 056	100,0	... All causes	1 653	100,0	... All causes	1 403	100,0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years				
1 Tuberculosis (A15-A19)	1 483	12,7	1 Tuberculosis (A15-A19)	844	13,5	1 Tuberculosis (A15-A19)	639	11,8
2 Influenza and pneumonia (J10-J18)	1 053	9,0	2 Influenza and pneumonia (J10-J18)	500	8,0	2 Influenza and pneumonia (J10-J18)	553	10,2
3 Intestinal infectious diseases (A00-A09)	692	5,9	3 Intestinal infectious diseases (A00-A09)	268	4,3	3 Intestinal infectious diseases (A00-A09)	424	7,8
4 Certain disorders involving the immune mechanism (D80-D89)	530	4,6	4 Certain disorders involving the immune mechanism (D80-D89)	248	4,0	4 Certain disorders involving the immune mechanism (D80-D89)	282	5,2
5 Other forms of heart disease (I30-I52)	485	4,2	5 Other forms of heart disease (I30-I52)	234	3,8	5 Human immunodeficiency virus [HIV] disease (B20-B24)	266	4,9
6 Human immunodeficiency virus [HIV] disease (B20-B24)	451	3,9	6 Human immunodeficiency virus [HIV] disease (B20-B24)	185	3,0	6 Other forms of heart disease (I30-I52)	251	4,6
7 Hypertensive diseases (I10-I15)	296	2,5	7 Hypertensive diseases (I10-I15)	173	2,8	7 Diseases of oesophagus, stomach and duodenum (K20-K31)	127	2,3
8 Cerebrovascular diseases (I60-I69)	233	2,0	8 Diseases of liver (K70-K77)	137	2,2	8 Hypertensive diseases (I10-I15)	123	2,3
9 Protozoal diseases (B50-B64)	213	1,8	9 Cerebrovascular diseases (I60-I69)	128	2,1	9 Protozoal diseases (B50-B64)	115	2,1
10 Diseases of oesophagus, stomach and duodenum (K20-K31)	211	1,8	10 Protozoal diseases (B50-B64)	98	1,6	10 Cerebrovascular diseases (I60-I69)	105	1,9
... Other causes	5 999	51,5	... Other causes	3 423	54,9	... Other causes	2 523	46,7
... All causes	11 646	100,0	... All causes	6 238	100,0	... All causes	5 408	100,0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years				
1 Tuberculosis (A15-A19)	422	7,8	1 Tuberculosis (A15-A19)	308	9,1	1 Diabetes mellitus (E10-E14)	163	8,0
2 Hypertensive diseases (I10-I15)	400	7,4	2 Hypertensive diseases (I10-I15)	238	7,0	2 Hypertensive diseases (I10-I15)	162	8,0
3 Other forms of heart disease (I30-I52)	361	6,6	3 Other forms of heart disease (I30-I52)	218	6,4	3 Cerebrovascular diseases (I60-I69)	149	7,3
4 Cerebrovascular diseases (I60-I69)	325	6,0	4 Influenza and pneumonia (J10-J18)	202	5,9	4 Other forms of heart disease (I30-I52)	143	7,0
5 Influenza and pneumonia (J10-J18)	310	5,7	5 Chronic lower respiratory diseases (J40-J47)	193	5,7	5 Tuberculosis (A15-A19)	114	5,6
6 Diabetes mellitus (E10-E14)	306	5,6	6 Cerebrovascular diseases (I60-I69)	176	5,2	6 Influenza and pneumonia (J10-J18)	108	5,3
7 Chronic lower respiratory diseases (J40-J47)	255	4,7	7 Ischaemic heart diseases (I20-I25)	148	4,4	7 Malignant neoplasms of female genital organs (C51-C58)	97	4,8
8 Ischaemic heart diseases (I20-I25)	216	4,0	8 Diabetes mellitus (E10-E14)	143	4,2	8 Intestinal infectious diseases (A00-A09)	92	4,5
9 Malignant neoplasms of digestive organs (C15-C26)	201	3,7	9 Malignant neoplasms of digestive organs (C15-C26)	138	4,1	9 Ischaemic heart diseases (I20-I25)	68	3,3
10 Intestinal infectious diseases (A00-A09)	200	3,7	10 Diseases of liver (K70-K77)	128	3,8	10 Malignant neoplasms of digestive organs (C15-C26)	63	3,1
... Other causes	2 436	44,8	... Other causes	1 504	44,3	... Other causes	877	43,1
... All causes	5 432	100,0	... All causes	3 396	100,0	... All causes	2 036	100,0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	988	9,0	1 Other forms of heart disease (I30-I52)	420	8,9	1 Cerebrovascular diseases (I60-I69)	632	10,2
2 Other forms of heart disease (I30-I52)	951	8,7	2 Cerebrovascular diseases (I60-I69)	356	7,5	2 Other forms of heart disease (I30-I52)	531	8,6
3 Influenza and pneumonia (J10-J18)	651	5,9	3 Ischaemic heart diseases (I20-I25)	250	5,3	3 Diabetes mellitus (E10-E14)	314	5,1
4 Ischaemic heart diseases (I20-I25)	519	4,7	4 Influenza and pneumonia (J10-J18)	247	5,2	4 Influenza and pneumonia (J10-J18)	304	4,9
5 Diabetes mellitus (E10-E14)	513	4,7	5 Chronic lower respiratory diseases (J40-J47)	224	4,7	5 Hypertensive diseases (I10-I15)	303	4,9
6 Hypertensive diseases (I10-I15)	474	4,3	6 Diabetes mellitus (E10-E14)	199	4,2	6 Ischaemic heart diseases (I20-I25)	269	4,3
7 Chronic lower respiratory diseases (J40-J47)	346	3,2	7 Tuberculosis (A15-A19)	180	3,8	7 Intestinal infectious diseases (A00-A09)	181	2,9
8 Intestinal infectious diseases (A00-A09)	312	2,9	8 Hypertensive diseases (I10-I15)	171	3,6	8 Malignant neoplasms of digestive organs (C15-C26)	130	2,1
9 Malignant neoplasms of digestive organs (C15-C26)	278	2,5	9 Malignant neoplasms of digestive organs (C15-C26)	148	3,1	9 Chronic lower respiratory diseases (J40-J47)	122	2,0
10 Tuberculosis (A15-A19)	270	2,5	10 Intestinal infectious diseases (A00-A09)	131	2,8	10 Malignant neoplasms of female genital organs (C51-C58)	106	1,7
... Other causes	5 738	52,4	... Other causes	2 416	50,9	... Other causes	3 306	53,3
... All causes	10 940	100,0	... All causes	4 742	100,0	... All causes	6 198	100,0

Excluding a total of 189 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 2001

All provinces, both sexes, all ages		All provinces, male, all ages		All provinces, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	50 625 11,3	1 Tuberculosis (A15-A19)	28 981 12,3	1 Tuberculosis (A15-A19)	21 644 10,1
2 Influenza and pneumonia (J10-J18)	31 332 7,0	2 Influenza and pneumonia (J10-J18)	14 941 6,4	2 Influenza and pneumonia (J10-J18)	16 391 7,6
3 Other forms of heart disease (I30-I52)	22 526 5,0	3 Other forms of heart disease (I30-I52)	10 340 4,4	3 Cerebrovascular diseases (I60-I69)	13 068 6,1
4 Cerebrovascular diseases (I60-I69)	22 504 5,0	4 Cerebrovascular diseases (I60-I69)	9 436 4,0	4 Other forms of heart disease (I30-I52)	12 186 5,7
5 Intestinal infectious diseases (A00-A09)	16 000 3,6	5 Chronic lower respiratory diseases (J40-J47)	8 786 3,7	5 Intestinal infectious diseases (A00-A09)	8 912 4,2
6 Chronic lower respiratory diseases (J40-J47)	14 655 3,3	6 Intestinal infectious diseases (A00-A09)	7 088 3,0	6 Diabetes mellitus (E10-E14)	8 842 4,1
7 Diabetes mellitus (E10-E14)	14 521 3,2	7 Ischaemic heart diseases (I20-I25)	6 821 2,9	7 Hypertensive diseases (I10-I15)	6 636 3,1
8 Ischaemic heart diseases (I20-I25)	11 747 2,6	8 Diabetes mellitus (E10-E14)	5 679 2,4	8 Certain disorders involving the immune mechanism (D80-D89)	6 383 3,0
9 Certain disorders involving the immune mechanism (D80-D89)	11 593 2,6	9 Malignant neoplasms of digestive organs (C15-C26)	5 532 2,4	9 Chronic lower respiratory diseases (J40-J47)	5 869 2,7
10 Hypertensive diseases (I10-I15)	10 720 2,4	10 Certain disorders involving the immune mechanism (D80-D89)	5 210 2,2	10 Ischaemic heart diseases (I20-I25)	4 926 2,3
... Other causes	242 998 54,1	... Other causes	132 045 56,2	... Other causes	109 505 51,1
... All causes	449 221 100,0	... All causes	234 859 100,0	... All causes	214 362 100,0
All provinces, both sexes, 0-14 years		All provinces, male, 0-14 years		All provinces, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	9 292 19,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	4 836 19,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	4 456 19,8
2 Digestive system disorders of foetus and newborn (P75-P78)	5 451 11,4	2 Digestive system disorders of foetus and newborn (P75-P78)	2 984 11,5	2 Digestive system disorders of foetus and newborn (P75-P78)	2 567 11,4
3 Other disorders originating in the perinatal period (P90-P96)	3 394 7,1	3 Other disorders originating in the perinatal period (P90-P96)	1 757 7,0	3 Other disorders originating in the perinatal period (P90-P96)	1 637 7,3
4 Intestinal infectious diseases (A00-A09)	2 801 5,9	4 Intestinal infectious diseases (A00-A09)	1 446 5,7	4 Intestinal infectious diseases (A00-A09)	1 355 6,0
5 Influenza and pneumonia (J10-J18)	1 918 4,0	5 Influenza and pneumonia (J10-J18)	940 3,7	5 Influenza and pneumonia (J10-J18)	978 4,3
6 Certain disorders involving the immune mechanism (D80-D89)	1 773 3,7	6 Certain disorders involving the immune mechanism (D80-D89)	872 3,5	6 Certain disorders involving the immune mechanism (D80-D89)	901 4,0
7 Infections specific to the perinatal period (P35-P39)	1 604 3,4	7 Infections specific to the perinatal period (P35-P39)	856 3,4	7 Infections specific to the perinatal period (P35-P39)	748 3,3
8 Malnutrition (E40-E46)	1 499 3,1	8 Malnutrition (E40-E46)	766 3,0	8 Malnutrition (E40-E46)	733 3,3
9 Disorders related to length of gestation and foetal growth (P05-P08)	1 382 2,9	9 Disorders related to length of gestation and foetal growth (P05-P08)	738 2,9	9 Disorders related to length of gestation and foetal growth (P05-P08)	644 2,9
10 Tuberculosis (A15-A19)	1 113 2,3	10 Tuberculosis (A15-A19)	591 2,3	10 Tuberculosis (A15-A19)	522 2,3
... Other causes	17 425 36,6	... Other causes	9 477 37,7	... Other causes	7 948 35,3
... All causes	47 652 100,0	... All causes	25 163 100,0	... All causes	22 489 100,0
All provinces, both sexes, 15-49 years		All provinces, male, 15-49 years		All provinces, female, 15-49 years	
1 Tuberculosis (A15-A19)	37 980 18,9	1 Tuberculosis (A15-A19)	20 393 18,7	1 Tuberculosis (A15-A19)	17 587 19,2
2 Influenza and pneumonia (J10-J18)	18 627 9,3	2 Influenza and pneumonia (J10-J18)	8 425 7,7	2 Influenza and pneumonia (J10-J18)	10 202 11,1
3 Certain disorders involving the immune mechanism (D80-D89)	8 944 4,5	3 Certain disorders involving the immune mechanism (D80-D89)	3 841 3,5	3 Certain disorders involving the immune mechanism (D80-D89)	5 103 5,6
4 Intestinal infectious diseases (A00-A09)	8 597 4,3	4 Intestinal infectious diseases (A00-A09)	3 558 3,3	4 Intestinal infectious diseases (A00-A09)	5 039 5,5
5 Human immunodeficiency virus [HIV] disease (B20-B24)	7 573 3,8	5 Human immunodeficiency virus [HIV] disease (B20-B24)	3 550 3,3	5 Human immunodeficiency virus [HIV] disease (B20-B24)	4 023 4,4
6 Other forms of heart disease (I30-I52)	5 671 2,8	6 Other forms of heart disease (I30-I52)	2 811 2,6	6 Other forms of heart disease (I30-I52)	2 860 3,1
7 Cerebrovascular diseases (I60-I69)	3 830 1,9	7 Cerebrovascular diseases (I60-I69)	1 883 1,7	7 Other viral diseases (B25-B34)	2 169 2,4
8 Other viral diseases (B25-B34)	3 693 1,8	8 Chronic lower respiratory diseases (J40-J47)	1 663 1,5	8 Cerebrovascular diseases (I60-I69)	1 947 2,1
9 Chronic lower respiratory diseases (J40-J47)	3 113 1,6	9 Other viral diseases (B25-B34)	1 524 1,4	9 Inflammatory diseases of the central nervous system (G00-G09)	1 479 1,6
10 Inflammatory diseases of the central nervous system (G00-G09)	2 964 1,5	10 Inflammatory diseases of the central nervous system (G00-G09)	1 485 1,4	10 Chronic lower respiratory diseases (J40-J47)	1 450 1,6
... Other causes	99 443 49,6	... Other causes	59 771 54,9	... Other causes	39 672 43,3
... All causes	200 435 100,0	... All causes	108 904 100,0	... All causes	91 531 100,0
All provinces, both sexes, 50-64 years		All provinces, male, 50-64 years		All provinces, female, 50-64 years	
1 Tuberculosis (A15-A19)	7 568 9,8	1 Tuberculosis (A15-A19)	5 444 11,8	1 Cerebrovascular diseases (I60-I69)	2 860 9,2
2 Cerebrovascular diseases (I60-I69)	5 715 7,4	2 Cerebrovascular diseases (I60-I69)	2 855 6,2	2 Diabetes mellitus (E10-E14)	2 678 8,6
3 Other forms of heart disease (I30-I52)	4 866 6,3	3 Chronic lower respiratory diseases (J40-J47)	2 799 6,0	3 Other forms of heart disease (I30-I52)	2 193 7,0
4 Diabetes mellitus (E10-E14)	4 729 6,1	4 Other forms of heart disease (I30-I52)	2 673 5,8	4 Tuberculosis (A15-A19)	2 124 6,8
5 Chronic lower respiratory diseases (J40-J47)	4 188 5,4	5 Influenza and pneumonia (J10-J18)	2 581 5,6	5 Influenza and pneumonia (J10-J18)	1 547 5,0
6 Influenza and pneumonia (J10-J18)	4 128 5,3	6 Ischaemic heart diseases (I20-I25)	2 285 4,9	6 Hypertensive diseases (I10-I15)	1 521 4,9
7 Ischaemic heart diseases (I20-I25)	3 325 4,3	7 Malignant neoplasms of digestive organs (C15-C26)	2 072 4,5	7 Chronic lower respiratory diseases (J40-J47)	1 389 4,5
8 Malignant neoplasms of digestive organs (C15-C26)	3 162 4,1	8 Diabetes mellitus (E10-E14)	2 051 4,4	8 Malignant neoplasms of female genital organs (C51-C58)	1 171 3,8
9 Hypertensive diseases (I10-I15)	2 852 3,7	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 510 3,3	9 Malignant neoplasms of digestive organs (C15-C26)	1 090 3,5
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	2 008 2,6	10 Hypertensive diseases (I10-I15)	1 331 2,9	10 Ischaemic heart diseases (I20-I25)	1 040 3,3
... Other causes	34 948 45,1	... Other causes	20 696 44,7	... Other causes	13 579 43,5
... All causes	77 489 100,0	... All causes	46 297 100,0	... All causes	31 192 100,0
All provinces, both sexes, 65 years and above		All provinces, male, 65 years and above		All provinces, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	12 871 10,4	1 Other forms of heart disease (I30-I52)	4 681 8,6	1 Cerebrovascular diseases (I60-I69)	8 220 11,9
2 Other forms of heart disease (I30-I52)	11 651 9,4	2 Cerebrovascular diseases (I60-I69)	4 651 8,5	2 Other forms of heart disease (I30-I52)	6 970 10,1
3 Diabetes mellitus (E10-E14)	7 678 6,2	3 Chronic lower respiratory diseases (J40-J47)	4 220 7,7	3 Diabetes mellitus (E10-E14)	5 028 7,3
4 Chronic lower respiratory diseases (J40-J47)	7 178 5,8	4 Ischaemic heart diseases (I20-I25)	3 378 6,2	4 Hypertensive diseases (I10-I15)	4 226 6,1
5 Ischaemic heart diseases (I20-I25)	6 779 5,5	5 Influenza and pneumonia (J10-J18)	2 995 5,5	5 Influenza and pneumonia (J10-J18)	3 664 5,3
6 Influenza and pneumonia (J10-J18)	6 659 5,4	6 Diabetes mellitus (E10-E14)	2 650 4,9	6 Ischaemic heart diseases (I20-I25)	3 401 4,9
7 Hypertensive diseases (I10-I15)	6 251 5,1	7 Tuberculosis (A15-A19)	2 553 4,7	7 Chronic lower respiratory diseases (J40-J47)	2 958 4,3
8 Malignant neoplasms of digestive organs (C15-C26)	4 476 3,6	8 Malignant neoplasms of digestive organs (C15-C26)	2 387 4,4	8 Malignant neoplasms of digestive organs (C15-C26)	2 089 3,0
9 Tuberculosis (A15-A19)	3 964 3,2	9 Hypertensive diseases (I10-I15)	2 025 3,7	9 Intestinal infectious diseases (A00-A09)	1 615 2,3
10 Intestinal infectious diseases (A00-A09)	2 651 2,1	10 Malignant neoplasms of male genital organs (C60-C63)	1 463 2,7	10 Tuberculosis (A15-A19)	1 411 2,0
... Other causes	53 487 43,3	... Other causes	23 492 43,1	... Other causes	29 568 42,8
... All causes	123 645 100,0	... All causes	54 495 100,0	... All causes	69 150 100,0

Excluding a total of 3 675 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 2001

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	3 385	2 125	9,2	1 483	8,4
2 Ischaemic heart diseases (I20-I25)	2 743	1 585	6,9	1 354	7,6
3 Cerebrovascular diseases (I60-I69)	2 658	1 175	5,1	1 260	7,1
4 Diabetes mellitus (E10-E14)	2 220	1 147	5,0	1 158	6,5
5 Chronic lower respiratory diseases (J40-J47)	1 753	946	4,1	938	5,3
6 Other forms of heart disease (I30-I52)	1 687	942	4,1	643	3,6
7 Malignant neoplasms of digestive organs (C15-C26)	1 589	866	3,8	606	3,4
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 360	749	3,3	560	3,2
9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 045	488	2,1	544	3,1
10 Influenza and pneumonia (J10-J18)	977	485	2,1	489	2,8
... Other causes	21 333	12 509	54,3	8 698	49,0
... All causes	40 750	23 017	100,0	17 733	100,0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	451	245	14,0	206	14,1
2 Digestive system disorders of foetus and newborn (P75-P78)	310	150	8,6	160	11,0
3 Other disorders originating in the perinatal period (P90-P96)	285	146	8,3	139	9,5
4 Human immunodeficiency virus [HIV] disease (B20-B24)	146	86	4,9	65	4,5
5 Infections specific to the perinatal period (P35-P39)	138	81	4,6	56	3,8
6 Disorders related to length of gestation and foetal growth (P05-P08)	137	81	4,6	52	3,6
7 Intestinal infectious diseases (A00-A09)	91	51	2,9	43	2,9
8 Certain disorders involving the immune mechanism (D80-D89)	91	48	2,7	40	2,7
9 Congenital malformations of the circulatory system (Q20-Q28)	71	42	2,4	37	2,5
10 Tuberculosis (A15-A19)	63	33	1,9	32	2,2
... Other causes	1 430	790	45,1	630	43,2
... All causes	3 213	1 753	100,0	1 460	100,0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	2 293	1 352	14,6	941	18,2
2 Human immunodeficiency virus [HIV] disease (B20-B24)	799	345	3,7	454	8,8
3 Certain disorders involving the immune mechanism (D80-D89)	327	219	2,4	188	3,6
4 Influenza and pneumonia (J10-J18)	320	163	1,8	161	3,1
5 Cerebrovascular diseases (I60-I69)	313	162	1,7	161	3,1
6 Ischaemic heart diseases (I20-I25)	299	162	1,7	157	3,0
7 Other viral diseases (B25-B34)	284	161	1,7	121	2,3
8 Chronic lower respiratory diseases (J40-J47)	277	156	1,7	116	2,2
9 Other forms of heart disease (I30-I52)	273	152	1,6	114	2,2
10 Malignant neoplasms of digestive organs (C15-C26)	244	139	1,5	111	2,1
... Other causes	9 009	6 251	67,5	2 652	51,2
... All causes	14 438	9 262	100,0	5 176	100,0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years	
1 Ischaemic heart diseases (I20-I25)	739	524	10,1	397	11,9
2 Tuberculosis (A15-A19)	716	507	9,7	313	9,4
3 Diabetes mellitus (E10-E14)	690	403	7,7	232	7,0
4 Cerebrovascular diseases (I60-I69)	651	401	7,7	192	5,8
5 Chronic lower respiratory diseases (J40-J47)	584	338	6,5	183	5,5
6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	564	332	6,4	172	5,2
7 Malignant neoplasms of digestive organs (C15-C26)	504	293	5,6	161	4,8
8 Other forms of heart disease (I30-I52)	339	188	3,6	151	4,5
9 Hypertensive diseases (I10-I15)	213	118	2,3	143	4,3
10 Influenza and pneumonia (J10-J18)	172	113	2,2	111	3,3
... Other causes	3 360	1 990	38,2	1 270	38,2
... All causes	8 532	5 207	100,0	3 325	100,0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above	
1 Ischaemic heart diseases (I20-I25)	1 704	859	12,6	1 007	13,0
2 Cerebrovascular diseases (I60-I69)	1 687	680	10,0	858	11,0
3 Diabetes mellitus (E10-E14)	1 324	579	8,5	845	10,9
4 Other forms of heart disease (I30-I52)	1 056	466	6,9	665	8,6
5 Chronic lower respiratory diseases (J40-J47)	885	449	6,6	389	5,0
6 Malignant neoplasms of digestive organs (C15-C26)	838	391	5,8	373	4,8
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	583	382	5,6	306	3,9
8 Hypertensive diseases (I10-I15)	530	244	3,6	253	3,3
9 Influenza and pneumonia (J10-J18)	446	223	3,3	201	2,6
10 Tuberculosis (A15-A19)	313	193	2,8	182	2,3
... Other causes	5 201	2 329	34,3	2 693	34,7
... All causes	14 567	6 795	100,0	7 772	100,0

Excluding a total of 239 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 2001

Eastern Cape, both sexes, all ages		Eastern Cape, male, all ages		Eastern Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	8 641 13,1	1 Tuberculosis (A15-A19)	4 800 14,4	1 Tuberculosis (A15-A19)	3 841 11,8
2 Chronic lower respiratory diseases (J40-J47)	3 419 5,2	2 Chronic lower respiratory diseases (J40-J47)	1 924 5,8	2 Cerebrovascular diseases (I60-I69)	1 989 6,1
3 Cerebrovascular diseases (I60-I69)	3 353 5,1	3 Influenza and pneumonia (J10-J18)	1 393 4,2	3 Other forms of heart disease (I30-I52)	1 758 5,4
4 Other forms of heart disease (I30-I52)	3 128 4,7	4 Other forms of heart disease (I30-I52)	1 370 4,1	4 Influenza and pneumonia (J10-J18)	1 677 5,1
5 Influenza and pneumonia (J10-J18)	3 070 4,6	5 Cerebrovascular diseases (I60-I69)	1 364 4,1	5 Chronic lower respiratory diseases (J40-J47)	1 495 4,6
6 Diabetes mellitus (E10-E14)	2 061 3,1	6 Malignant neoplasms of digestive organs (C15-C26)	1 027 3,1	6 Diabetes mellitus (E10-E14)	1 316 4,0
7 Malignant neoplasms of digestive organs (C15-C26)	1 879 2,8	7 Diabetes mellitus (E10-E14)	745 2,2	7 Intestinal infectious diseases (A00-A09)	1 063 3,3
8 Intestinal infectious diseases (A00-A09)	1 799 2,7	8 Intestinal infectious diseases (A00-A09)	736 2,2	8 Hypertensive diseases (I10-I15)	1 038 3,2
9 Hypertensive diseases (I10-I15)	1 617 2,4	9 Hypertensive diseases (I10-I15)	579 1,7	9 Malignant neoplasms of digestive organs (C15-C26)	852 2,6
10 Certain disorders involving the immune mechanism (D80-D89)	1 244 1,9	10 Ischaemic heart diseases (I20-I25)	553 1,7	10 Human immunodeficiency virus [HIV] disease (B20-B24)	752 2,3
... Other causes	35 824 54,3	... Other causes	18 913 56,6	... Other causes	16 850 51,6
... All causes	66 035 100,0	... All causes	33 404 100,0	... All causes	32 631 100,0
Eastern Cape, both sexes, 0-14 years		Eastern Cape, male, 0-14 years		Eastern Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	704 14,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	359 13,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	345 15,6
2 Digestive system disorders of foetus and newborn (P75-P78)	469 9,7	2 Digestive system disorders of foetus and newborn (P75-P78)	238 9,1	2 Digestive system disorders of foetus and newborn (P75-P78)	231 10,4
3 Other disorders originating in the perinatal period (P90-P96)	299 6,2	3 Other disorders originating in the perinatal period (P90-P96)	159 6,1	3 Other disorders originating in the perinatal period (P90-P96)	140 6,3
4 Intestinal infectious diseases (A00-A09)	247 5,1	4 Intestinal infectious diseases (A00-A09)	127 4,9	4 Certain disorders involving the immune mechanism (D80-D89)	127 5,7
5 Certain disorders involving the immune mechanism (D80-D89)	232 4,8	5 Certain disorders involving the immune mechanism (D80-D89)	105 4,0	5 Intestinal infectious diseases (A00-A09)	120 5,4
6 Tuberculosis (A15-A19)	174 3,6	6 Tuberculosis (A15-A19)	100 3,8	6 Tuberculosis (A15-A19)	74 3,3
7 Malnutrition (E40-E46)	143 3,0	7 Malnutrition (E40-E46)	80 3,1	7 Influenza and pneumonia (J10-J18)	71 3,2
8 Influenza and pneumonia (J10-J18)	142 2,9	8 Infections specific to the perinatal period (P35-P39)	80 3,1	8 Malnutrition (E40-E46)	63 2,8
9 Infections specific to the perinatal period (P35-P39)	141 2,9	9 Influenza and pneumonia (J10-J18)	71 2,7	9 Infections specific to the perinatal period (P35-P39)	61 2,8
10 Human immunodeficiency virus [HIV] disease (B20-B24)	102 2,1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	51 1,9	10 Human immunodeficiency virus [HIV] disease (B20-B24)	51 2,3
... Other causes	2 182 45,1	... Other causes	1 248 47,7	... Other causes	934 42,1
... All causes	4 835 100,0	... All causes	2 618 100,0	... All causes	2 217 100,0
Eastern Cape, both sexes, 15-49 years		Eastern Cape, male, 15-49 years		Eastern Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	5 599 20,6	1 Tuberculosis (A15-A19)	2 857 20,2	1 Tuberculosis (A15-A19)	2 742 21,0
2 Influenza and pneumonia (J10-J18)	1 540 5,7	2 Influenza and pneumonia (J10-J18)	634 4,5	2 Influenza and pneumonia (J10-J18)	906 6,9
3 Human immunodeficiency virus [HIV] disease (B20-B24)	997 3,7	3 Certain disorders involving the immune mechanism (D80-D89)	363 2,6	3 Human immunodeficiency virus [HIV] disease (B20-B24)	661 5,1
4 Intestinal infectious diseases (A00-A09)	968 3,6	4 Intestinal infectious diseases (A00-A09)	344 2,4	4 Intestinal infectious diseases (A00-A09)	624 4,8
5 Certain disorders involving the immune mechanism (D80-D89)	931 3,4	5 Human immunodeficiency virus [HIV] disease (B20-B24)	336 2,4	5 Certain disorders involving the immune mechanism (D80-D89)	568 4,3
6 Other forms of heart disease (I30-I52)	652 2,4	6 Other forms of heart disease (I30-I52)	322 2,3	6 Other viral diseases (B25-B34)	375 2,9
7 Chronic lower respiratory diseases (J40-J47)	627 2,3	7 Chronic lower respiratory diseases (J40-J47)	319 2,3	7 Other forms of heart disease (I30-I52)	330 2,5
8 Other viral diseases (B25-B34)	580 2,1	8 Episodic and paroxysmal disorders (G40-G47)	270 1,9	8 Chronic lower respiratory diseases (J40-J47)	308 2,4
9 Cerebrovascular diseases (I60-I69)	519 1,9	9 Cerebrovascular diseases (I60-I69)	246 1,7	9 Cerebrovascular diseases (I60-I69)	273 2,1
10 Episodic and paroxysmal disorders (G40-G47)	433 1,6	10 Other viral diseases (B25-B34)	205 1,4	10 Diabetes mellitus (E10-E14)	183 1,4
... Other causes	14 399 52,9	... Other causes	8 281 58,4	... Other causes	6 998 46,7
... All causes	27 245 100,0	... All causes	14 177 100,0	... All causes	13 068 100,0
Eastern Cape, both sexes, 50-64 years		Eastern Cape, male, 50-64 years		Eastern Cape, female, 50-64 years	
1 Tuberculosis (A15-A19)	1 529 12,6	1 Tuberculosis (A15-A19)	1 069 15,2	1 Tuberculosis (A15-A19)	460 9,0
2 Chronic lower respiratory diseases (J40-J47)	847 7,0	2 Chronic lower respiratory diseases (J40-J47)	551 7,8	2 Cerebrovascular diseases (I60-I69)	433 8,5
3 Cerebrovascular diseases (I60-I69)	830 6,8	3 Cerebrovascular diseases (I60-I69)	397 5,6	3 Diabetes mellitus (E10-E14)	400 7,8
4 Other forms of heart disease (I30-I52)	721 5,9	4 Other forms of heart disease (I30-I52)	376 5,3	4 Other forms of heart disease (I30-I52)	345 6,7
5 Diabetes mellitus (E10-E14)	657 5,4	5 Malignant neoplasms of digestive organs (C15-C26)	354 5,0	5 Chronic lower respiratory diseases (J40-J47)	296 5,8
6 Malignant neoplasms of digestive organs (C15-C26)	610 5,0	6 Influenza and pneumonia (J10-J18)	264 3,8	6 Malignant neoplasms of digestive organs (C15-C26)	256 5,0
7 Influenza and pneumonia (J10-J18)	438 3,6	7 Diabetes mellitus (E10-E14)	257 3,7	7 Hypertensive diseases (I10-I15)	229 4,5
8 Hypertensive diseases (I10-I15)	412 3,4	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	243 3,5	8 Influenza and pneumonia (J10-J18)	174 3,4
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	305 2,5	9 Hypertensive diseases (I10-I15)	183 2,6	9 Malignant neoplasms of female genital organs (C51-C58)	166 3,2
10 Ischaemic heart diseases (I20-I25)	283 2,3	10 Ischaemic heart diseases (I20-I25)	177 2,5	10 Ischaemic heart diseases (I20-I25)	106 2,1
... Other causes	5 525 45,4	... Other causes	3 167 45,0	... Other causes	2 254 44,0
... All causes	12 157 100,0	... All causes	7 038 100,0	... All causes	5 119 100,0
Eastern Cape, both sexes, 65 years and above		Eastern Cape, male, 65 years and above		Eastern Cape, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	1 991 9,1	1 Chronic lower respiratory diseases (J40-J47)	1 038 10,8	1 Cerebrovascular diseases (I60-I69)	1 278 10,5
2 Chronic lower respiratory diseases (J40-J47)	1 917 8,8	2 Tuberculosis (A15-A19)	774 8,1	2 Other forms of heart disease (I30-I52)	1 064 8,7
3 Other forms of heart disease (I30-I52)	1 705 7,8	3 Cerebrovascular diseases (I60-I69)	713 7,4	3 Chronic lower respiratory diseases (J40-J47)	879 7,2
4 Tuberculosis (A15-A19)	1 339 6,1	4 Other forms of heart disease (I30-I52)	641 6,7	4 Diabetes mellitus (E10-E14)	730 6,0
5 Diabetes mellitus (E10-E14)	1 129 5,2	5 Malignant neoplasms of digestive organs (C15-C26)	483 5,0	5 Hypertensive diseases (I10-I15)	671 5,5
6 Hypertensive diseases (I10-I15)	965 4,4	6 Influenza and pneumonia (J10-J18)	424 4,4	6 Tuberculosis (A15-A19)	565 4,6
7 Influenza and pneumonia (J10-J18)	950 4,4	7 Diabetes mellitus (E10-E14)	399 4,2	7 Influenza and pneumonia (J10-J18)	526 4,3
8 Malignant neoplasms of digestive organs (C15-C26)	948 4,3	8 Hypertensive diseases (I10-I15)	294 3,1	8 Malignant neoplasms of digestive organs (C15-C26)	465 3,8
9 Ischaemic heart diseases (I20-I25)	639 2,9	9 Ischaemic heart diseases (I20-I25)	280 2,9	9 Ischaemic heart diseases (I20-I25)	359 2,9
10 Intestinal infectious diseases (A00-A09)	364 1,7	10 Malignant neoplasms of male genital organs (C60-C63)	217 2,3	10 Intestinal infectious diseases (A00-A09)	220 1,8
... Other causes	9 851 45,2	... Other causes	4 308 45,0	... Other causes	5 470 44,7
... All causes	21 798 100,0	... All causes	9 571 100,0	... All causes	12 227 100,0

Excluding a total of 586 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 2001

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	1 125	10,9	1 Tuberculosis (A15-A19)	643	11,6	1 Tuberculosis (A15-A19)	482	10,0
2 Influenza and pneumonia (J10-J18)	742	7,2	2 Influenza and pneumonia (J10-J18)	394	7,1	2 Cerebrovascular diseases (I60-I69)	418	8,7
3 Cerebrovascular diseases (I60-I69)	664	6,4	3 Chronic lower respiratory diseases (J40-J47)	305	5,5	3 Influenza and pneumonia (J10-J18)	348	7,3
4 Other forms of heart disease (I30-I52)	525	5,1	4 Other forms of heart disease (I30-I52)	253	4,6	4 Other forms of heart disease (I30-I52)	272	5,7
5 Chronic lower respiratory diseases (J40-J47)	484	4,7	5 Cerebrovascular diseases (I60-I69)	246	4,4	5 Intestinal infectious diseases (A00-A09)	179	3,7
6 Ischaemic heart diseases (I20-I25)	402	3,9	6 Ischaemic heart diseases (I20-I25)	245	4,4	6 Chronic lower respiratory diseases (J40-J47)	179	3,7
7 Intestinal infectious diseases (A00-A09)	310	3,0	7 Malignant neoplasms of digestive organs (C15-C26)	185	3,3	7 Human immunodeficiency virus [HIV] disease (B20-B24)	169	3,5
8 Malignant neoplasms of digestive organs (C15-C26)	295	2,9	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	146	2,6	8 Hypertensive diseases (I10-I15)	165	3,4
9 Human immunodeficiency virus [HIV] disease (B20-B24)	294	2,9	9 Diabetes mellitus (E10-E14)	133	2,4	9 Ischaemic heart diseases (I20-I25)	157	3,3
10 Diabetes mellitus (E10-E14)	279	2,7	10 Intestinal infectious diseases (A00-A09)	131	2,4	10 Diabetes mellitus (E10-E14)	146	3,0
... Other causes	5 224	50,5	... Other causes	2 863	51,6	... Other causes	2 285	47,6
... All causes	10 344	100,0	... All causes	5 544	100,0	... All causes	4 800	100,0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	244	19,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	146	21,0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	98	17,2
2 Digestive system disorders of foetus and newborn (P75-P78)	190	15,0	2 Digestive system disorders of foetus and newborn (P75-P78)	114	16,4	2 Digestive system disorders of foetus and newborn (P75-P78)	76	13,3
3 Intestinal infectious diseases (A00-A09)	90	7,1	3 Intestinal infectious diseases (A00-A09)	46	6,6	3 Intestinal infectious diseases (A00-A09)	44	7,7
4 Malnutrition (E40-E46)	69	5,5	4 Disorders related to length of gestation and foetal growth (P05-P08)	42	6,0	4 Malnutrition (E40-E46)	32	5,6
5 Disorders related to length of gestation and foetal growth (P05-P08)	64	5,1	5 Malnutrition (E40-E46)	37	5,3	5 Infections specific to the perinatal period (P35-P39)	31	5,4
6 Infections specific to the perinatal period (P35-P39)	58	4,6	6 Infections specific to the perinatal period (P35-P39)	27	3,9	6 Tuberculosis (A15-A19)	22	3,9
7 Tuberculosis (A15-A19)	34	2,7	7 Human immunodeficiency virus [HIV] disease (B20-B24)	19	2,7	7 Disorders related to length of gestation and foetal growth (P05-P08)	22	3,9
8 Other disorders originating in the perinatal period (P90-P96)	34	2,7	8 Other disorders originating in the perinatal period (P90-P96)	15	2,2	8 Other disorders originating in the perinatal period (P90-P96)	19	3,3
9 Human immunodeficiency virus [HIV] disease (B20-B24)	33	2,6	9 Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	13	1,9	9 Influenza and pneumonia (J10-J18)	16	2,8
10 Influenza and pneumonia (J10-J18)	28	2,2	10 Tuberculosis (A15-A19)	12	1,7	10 Other viral diseases (B25-B34)	15	2,6
... Other causes	422	33,3	... Other causes	225	32,3	... Other causes	195	34,2
... All causes	1 266	100,0	... All causes	696	100,0	... All causes	570	100,0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	810	20,1	1 Tuberculosis (A15-A19)	446	20,2	1 Tuberculosis (A15-A19)	364	19,9
2 Influenza and pneumonia (J10-J18)	379	9,4	2 Influenza and pneumonia (J10-J18)	194	8,8	2 Influenza and pneumonia (J10-J18)	185	10,1
3 Human immunodeficiency virus [HIV] disease (B20-B24)	244	6,1	3 Human immunodeficiency virus [HIV] disease (B20-B24)	92	4,2	3 Human immunodeficiency virus [HIV] disease (B20-B24)	152	8,3
4 Certain disorders involving the immune mechanism (D80-D89)	170	4,2	4 Certain disorders involving the immune mechanism (D80-D89)	67	3,0	4 Certain disorders involving the immune mechanism (D80-D89)	103	5,6
5 Other forms of heart disease (I30-I52)	128	3,2	5 Other forms of heart disease (I30-I52)	60	2,7	5 Intestinal infectious diseases (A00-A09)	76	4,2
6 Intestinal infectious diseases (A00-A09)	117	2,9	6 Chronic lower respiratory diseases (J40-J47)	57	2,6	6 Other forms of heart disease (I30-I52)	68	3,7
7 Cerebrovascular diseases (I60-I69)	95	2,4	7 Ischaemic heart diseases (I20-I25)	48	2,2	7 Cerebrovascular diseases (I60-I69)	52	2,8
8 Chronic lower respiratory diseases (J40-J47)	94	2,3	8 Cerebrovascular diseases (I60-I69)	43	2,0	8 Diseases of liver (K70-K77)	40	2,2
9 Ischaemic heart diseases (I20-I25)	74	1,8	9 Intestinal infectious diseases (A00-A09)	41	1,9	9 Other viral diseases (B25-B34)	38	2,1
10 Diseases of liver (K70-K77)	74	1,8	10 Episodic and paroxysmal disorders (G40-G47)	38	1,7	10 Chronic lower respiratory diseases (J40-J47)	37	2,0
... Other causes	1 846	45,8	... Other causes	1 118	50,7	... Other causes	712	39,0
... All causes	4 031	100,0	... All causes	2 204	100,0	... All causes	1 827	100,0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	192	9,4	1 Tuberculosis (A15-A19)	128	11,0	1 Cerebrovascular diseases (I60-I69)	98	11,1
2 Cerebrovascular diseases (I60-I69)	179	8,7	2 Chronic lower respiratory diseases (J40-J47)	106	9,1	2 Chronic lower respiratory diseases (J40-J47)	69	7,8
3 Chronic lower respiratory diseases (J40-J47)	175	8,5	3 Ischaemic heart diseases (I20-I25)	86	7,4	3 Tuberculosis (A15-A19)	64	7,3
4 Influenza and pneumonia (J10-J18)	139	6,8	4 Influenza and pneumonia (J10-J18)	82	7,0	4 Other forms of heart disease (I30-I52)	61	6,9
5 Ischaemic heart diseases (I20-I25)	130	6,4	5 Cerebrovascular diseases (I60-I69)	81	6,9	5 Influenza and pneumonia (J10-J18)	57	6,5
6 Other forms of heart disease (I30-I52)	127	6,2	6 Other forms of heart disease (I30-I52)	66	5,7	6 Ischaemic heart diseases (I20-I25)	44	5,0
7 Malignant neoplasms of digestive organs (C15-C26)	101	4,9	7 Malignant neoplasms of digestive organs (C15-C26)	66	5,7	7 Malignant neoplasms of female genital organs (C51-C58)	43	4,9
8 Diabetes mellitus (E10-E14)	78	3,8	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	50	4,3	8 Hypertensive diseases (I10-I15)	42	4,8
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	78	3,8	9 Diabetes mellitus (E10-E14)	38	3,3	9 Diabetes mellitus (E10-E14)	40	4,5
10 Hypertensive diseases (I10-I15)	55	2,7	10 Episodic and paroxysmal disorders (G40-G47)	24	2,1	10 Malignant neoplasms of digestive organs (C15-C26)	35	4,0
... Other causes	793	38,7	... Other causes	439	37,7	... Other causes	328	37,2
... All causes	2 047	100,0	... All causes	1 166	100,0	... All causes	881	100,0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	386	12,9	1 Chronic lower respiratory diseases (J40-J47)	142	9,6	1 Cerebrovascular diseases (I60-I69)	265	17,4
2 Other forms of heart disease (I30-I52)	266	8,9	2 Other forms of heart disease (I30-I52)	125	8,5	2 Other forms of heart disease (I30-I52)	141	9,3
3 Chronic lower respiratory diseases (J40-J47)	215	7,2	3 Cerebrovascular diseases (I60-I69)	121	8,2	3 Hypertensive diseases (I10-I15)	108	7,1
4 Ischaemic heart diseases (I20-I25)	197	6,6	4 Ischaemic heart diseases (I20-I25)	110	7,4	4 Diabetes mellitus (E10-E14)	95	6,2
5 Influenza and pneumonia (J10-J18)	196	6,5	5 Influenza and pneumonia (J10-J18)	106	7,2	5 Influenza and pneumonia (J10-J18)	90	5,9
6 Hypertensive diseases (I10-I15)	167	5,6	6 Malignant neoplasms of digestive organs (C15-C26)	84	5,7	6 Ischaemic heart diseases (I20-I25)	87	5,7
7 Diabetes mellitus (E10-E14)	152	5,1	7 Hypertensive diseases (I10-I15)	59	4,0	7 Chronic lower respiratory diseases (J40-J47)	73	4,8
8 Malignant neoplasms of digestive organs (C15-C26)	137	4,6	8 Tuberculosis (A15-A19)	57	3,9	8 Malignant neoplasms of digestive organs (C15-C26)	53	3,5
9 Tuberculosis (A15-A19)	89	3,0	9 Diabetes mellitus (E10-E14)	57	3,9	9 Intestinal infectious diseases (A00-A09)	43	2,8
10 Intestinal infectious diseases (A00-A09)	69	2,3	10 Malignant neoplasms of male genital organs (C60-C63)	57	3,9	10 Malignant neoplasms of breast (C50)	36	2,4
... Other causes	1 126	37,5	... Other causes	560	37,9	... Other causes	531	34,9
... All causes	3 000	100,0	... All causes	1 478	100,0	... All causes	1 522	100,0

Excluding a total of 64 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 2001

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages				
No.	%	No.	%	No.	%			
1 Influenza and pneumonia (J10-J18)	4 639	12,6	1 Tuberculosis (A15-A19)	2 416	12,8	1 Influenza and pneumonia (J10-J18)	2 422	13,6
2 Tuberculosis (A15-A19)	4 188	11,4	2 Influenza and pneumonia (J10-J18)	2 217	11,7	2 Tuberculosis (A15-A19)	1 772	10,0
3 Other forms of heart disease (I30-I52)	2 194	6,0	3 Other forms of heart disease (I30-I52)	1 003	5,3	3 Other forms of heart disease (I30-I52)	1 191	6,7
4 Certain disorders involving the immune mechanism (D80-D89)	1 795	4,9	4 Certain disorders involving the immune mechanism (D80-D89)	803	4,2	4 Certain disorders involving the immune mechanism (D80-D89)	992	5,6
5 Cerebrovascular diseases (I60-I69)	1 722	4,7	5 Cerebrovascular diseases (I60-I69)	740	3,9	5 Cerebrovascular diseases (I60-I69)	982	5,5
6 Intestinal infectious diseases (A00-A09)	1 300	3,5	6 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	631	3,3	6 Intestinal infectious diseases (A00-A09)	741	4,2
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 210	3,3	7 Intestinal infectious diseases (A00-A09)	559	3,0	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	579	3,3
8 Human immunodeficiency virus [HIV] disease (B20-B24)	889	2,4	8 Chronic lower respiratory diseases (J40-J47)	553	2,9	8 Diabetes mellitus (E10-E14)	526	3,0
9 Chronic lower respiratory diseases (J40-J47)	867	2,4	9 Human immunodeficiency virus [HIV] disease (B20-B24)	476	2,5	9 Hypertensive diseases (I10-I15)	485	2,7
10 Diabetes mellitus (E10-E14)	849	2,3	10 Ischaemic heart diseases (I20-I25)	404	2,1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	413	2,3
... Other causes	17 048	46,5	... Other causes	9 107	48,2	... Other causes	7 689	43,2
... All causes	36 701	100,0	... All causes	18 909	100,0	... All causes	17 792	100,0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 210	26,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	631	26,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	579	27,4
2 Digestive system disorders of foetus and newborn (P75-P78)	602	13,3	2 Digestive system disorders of foetus and newborn (P75-P78)	330	13,7	2 Digestive system disorders of foetus and newborn (P75-P78)	272	12,9
3 Other disorders originating in the perinatal period (P90-P96)	269	6,0	3 Other disorders originating in the perinatal period (P90-P96)	144	6,0	3 Other disorders originating in the perinatal period (P90-P96)	125	5,9
4 Influenza and pneumonia (J10-J18)	251	5,6	4 Influenza and pneumonia (J10-J18)	131	5,5	4 Influenza and pneumonia (J10-J18)	120	5,7
5 Intestinal infectious diseases (A00-A09)	206	4,6	5 Intestinal infectious diseases (A00-A09)	111	4,6	5 Intestinal infectious diseases (A00-A09)	95	4,5
6 Malnutrition (E40-E46)	197	4,4	6 Malnutrition (E40-E46)	109	4,5	6 Malnutrition (E40-E46)	88	4,2
7 Disorders related to length of gestation and foetal growth (P05-P08)	173	3,8	7 Disorders related to length of gestation and foetal growth (P05-P08)	85	3,5	7 Disorders related to length of gestation and foetal growth (P05-P08)	88	4,2
8 Certain disorders involving the immune mechanism (D80-D89)	149	3,3	8 Certain disorders involving the immune mechanism (D80-D89)	76	3,2	8 Certain disorders involving the immune mechanism (D80-D89)	73	3,5
9 Infections specific to the perinatal period (P35-P39)	113	2,5	9 Infections specific to the perinatal period (P35-P39)	61	2,5	9 Infections specific to the perinatal period (P35-P39)	52	2,5
10 Tuberculosis (A15-A19)	90	2,0	10 Tuberculosis (A15-A19)	46	1,9	10 Tuberculosis (A15-A19)	44	2,1
... Other causes	1 256	27,8	... Other causes	677	28,2	... Other causes	579	27,4
... All causes	4 516	100,0	... All causes	2 401	100,0	... All causes	2 115	100,0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years				
1 Tuberculosis (A15-A19)	3 321	18,4	1 Tuberculosis (A15-A19)	1 784	19,3	1 Influenza and pneumonia (J10-J18)	1 697	19,3
2 Influenza and pneumonia (J10-J18)	3 050	16,9	2 Influenza and pneumonia (J10-J18)	1 353	14,6	2 Tuberculosis (A15-A19)	1 537	17,5
3 Certain disorders involving the immune mechanism (D80-D89)	1 511	8,4	3 Certain disorders involving the immune mechanism (D80-D89)	644	7,0	3 Certain disorders involving the immune mechanism (D80-D89)	867	9,9
4 Human immunodeficiency virus [HIV] disease (B20-B24)	769	4,3	4 Human immunodeficiency virus [HIV] disease (B20-B24)	400	4,3	4 Intestinal infectious diseases (A00-A09)	482	5,5
5 Intestinal infectious diseases (A00-A09)	766	4,2	5 Other forms of heart disease (I30-I52)	287	3,1	5 Human immunodeficiency virus [HIV] disease (B20-B24)	369	4,2
6 Other forms of heart disease (I30-I52)	569	3,2	6 Intestinal infectious diseases (A00-A09)	284	3,1	6 Other forms of heart disease (I30-I52)	282	3,2
7 Cerebrovascular diseases (I60-I69)	362	2,0	7 Cerebrovascular diseases (I60-I69)	186	2,0	7 Cerebrovascular diseases (I60-I69)	176	2,0
8 Inflammatory diseases of the central nervous system (G00-G09)	250	1,4	8 Inflammatory diseases of the central nervous system (G00-G09)	125	1,3	8 Inflammatory diseases of the central nervous system (G00-G09)	125	1,4
9 Chronic lower respiratory diseases (J40-J47)	188	1,0	9 Diseases of liver (K70-K77)	106	1,1	9 Other viral diseases (B25-B34)	98	1,1
10 Other viral diseases (B25-B34)	172	1,0	10 Chronic lower respiratory diseases (J40-J47)	105	1,1	10 Aplastic and other anaemias (D60-D64)	90	1,0
... Other causes	7 080	39,3	... Other causes	3 986	43,0	... Other causes	3 055	34,8
... All causes	18 038	100,0	... All causes	9 260	100,0	... All causes	8 778	100,0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years				
1 Tuberculosis (A15-A19)	603	10,1	1 Tuberculosis (A15-A19)	463	12,7	1 Other forms of heart disease (I30-I52)	236	10,1
2 Influenza and pneumonia (J10-J18)	595	9,9	2 Influenza and pneumonia (J10-J18)	383	10,5	2 Cerebrovascular diseases (I60-I69)	230	9,8
3 Other forms of heart disease (I30-I52)	494	8,2	3 Other forms of heart disease (I30-I52)	258	7,1	3 Influenza and pneumonia (J10-J18)	212	9,1
4 Cerebrovascular diseases (I60-I69)	465	7,8	4 Cerebrovascular diseases (I60-I69)	235	6,4	4 Diabetes mellitus (E10-E14)	166	7,1
5 Diabetes mellitus (E10-E14)	282	4,7	5 Chronic lower respiratory diseases (J40-J47)	194	5,3	5 Tuberculosis (A15-A19)	140	6,0
6 Chronic lower respiratory diseases (J40-J47)	272	4,5	6 Malignant neoplasms of digestive organs (C15-C26)	152	4,2	6 Hypertensive diseases (I10-I15)	104	4,4
7 Malignant neoplasms of digestive organs (C15-C26)	213	3,6	7 Ischaemic heart diseases (I20-I25)	117	3,2	7 Malignant neoplasms of female genital organs (C51-C58)	97	4,1
8 Hypertensive diseases (I10-I15)	198	3,3	8 Diabetes mellitus (E10-E14)	116	3,2	8 Chronic lower respiratory diseases (J40-J47)	78	3,3
9 Ischaemic heart diseases (I20-I25)	185	3,1	9 Hypertensive diseases (I10-I15)	94	2,6	9 Ischaemic heart diseases (I20-I25)	68	2,9
10 Intestinal infectious diseases (A00-A09)	145	2,4	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	92	2,5	10 Malignant neoplasms of digestive organs (C15-C26)	61	2,6
... Other causes	2 543	42,4	... Other causes	1 550	42,4	... Other causes	949	40,5
... All causes	5 995	100,0	... All causes	3 654	100,0	... All causes	2 341	100,0
Free State, both sexes, 65 years and above		Free State, male, 65 years and above		Free State, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	1 111	13,6	1 Other forms of heart disease (I30-I52)	447	12,4	1 Other forms of heart disease (I30-I52)	664	14,6
2 Cerebrovascular diseases (I60-I69)	889	10,9	2 Influenza and pneumonia (J10-J18)	350	9,7	2 Cerebrovascular diseases (I60-I69)	571	12,5
3 Influenza and pneumonia (J10-J18)	743	9,1	3 Cerebrovascular diseases (I60-I69)	318	8,8	3 Influenza and pneumonia (J10-J18)	393	8,6
4 Hypertensive diseases (I10-I15)	463	5,7	4 Chronic lower respiratory diseases (J40-J47)	249	6,9	4 Hypertensive diseases (I10-I15)	321	7,0
5 Diabetes mellitus (E10-E14)	414	5,1	5 Ischaemic heart diseases (I20-I25)	203	5,6	5 Diabetes mellitus (E10-E14)	286	6,3
6 Ischaemic heart diseases (I20-I25)	404	5,0	6 Malignant neoplasms of digestive organs (C15-C26)	149	4,1	6 Ischaemic heart diseases (I20-I25)	201	4,4
7 Chronic lower respiratory diseases (J40-J47)	398	4,9	7 Hypertensive diseases (I10-I15)	142	4,0	7 Chronic lower respiratory diseases (J40-J47)	149	3,3
8 Malignant neoplasms of digestive organs (C15-C26)	259	3,2	8 Diabetes mellitus (E10-E14)	128	3,6	8 Malignant neoplasms of digestive organs (C15-C26)	110	2,4
9 Intestinal infectious diseases (A00-A09)	183	2,2	9 Tuberculosis (A15-A19)	123	3,4	9 Intestinal infectious diseases (A00-A09)	104	2,3
10 Tuberculosis (A15-A19)	174	2,1	10 Malignant neoplasms of male genital organs (C60-C63)	88	2,4	10 Malignant neoplasms of female genital organs (C51-C58)	82	1,8
... Other causes	3 114	38,2	... Other causes	1 397	38,9	... Other causes	1 677	36,8
... All causes	8 152	100,0	... All causes	3 594	100,0	... All causes	4 558	100,0

Excluding a total of 125 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 2001

KwaZulu-Natal, both sexes, all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	15 256	14,6	1 Tuberculosis (A15-A19)	2 416	12,8	1 Tuberculosis (A15-A19)	6 715	13,1
2 Influenza and pneumonia (J10-J18)	6 423	6,1	2 Influenza and pneumonia (J10-J18)	2 217	11,7	2 Influenza and pneumonia (J10-J18)	3 489	6,8
3 Cerebrovascular diseases (I60-I69)	5 218	5,0	3 Other forms of heart disease (I30-I52)	1 003	5,3	3 Cerebrovascular diseases (I60-I69)	3 106	6,1
4 Intestinal infectious diseases (A00-A09)	4 846	4,6	4 Certain disorders involving the immune mechanism (D80-D89)	803	4,2	4 Intestinal infectious diseases (A00-A09)	2 641	5,2
5 Other forms of heart disease (I30-I52)	4 545	4,4	5 Cerebrovascular diseases (I60-I69)	740	3,9	5 Other forms of heart disease (I30-I52)	2 523	4,9
6 Diabetes mellitus (E10-E14)	3 693	3,5	6 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	631	3,3	6 Diabetes mellitus (E10-E14)	2 329	4,6
7 Chronic lower respiratory diseases (J40-J47)	2 653	2,5	7 Intestinal infectious diseases (A00-A09)	559	3,0	7 Hypertensive diseases (I10-I15)	1 297	2,5
8 Ischaemic heart diseases (I20-I25)	2 362	2,3	8 Chronic lower respiratory diseases (J40-J47)	553	2,9	8 Certain disorders involving the immune mechanism (D80-D89)	1 246	2,4
9 Certain disorders involving the immune mechanism (D80-D89)	2 207	2,1	9 Human immunodeficiency virus [HIV] disease (B20-B24)	476	2,5	9 Chronic lower respiratory diseases (J40-J47)	1 070	2,1
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 072	2,0	10 Ischaemic heart diseases (I20-I25)	404	2,1	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 017	2,0
... Other causes	55 182	52,8	... Other causes	9 107	48,2	... Other causes	25 723	50,3
... All causes	104 457	100,0	... All causes	18 909	100,0	... All causes	51 156	100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 072	17,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 055	17,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 017	17,9
2 Digestive system disorders of foetus and newborn (P75-P78)	1 429	12,1	2 Digestive system disorders of foetus and newborn (P75-P78)	732	12,0	2 Digestive system disorders of foetus and newborn (P75-P78)	697	12,2
3 Other disorders originating in the perinatal period (P90-P96)	871	7,4	3 Intestinal infectious diseases (A00-A09)	446	7,3	3 Other disorders originating in the perinatal period (P90-P96)	439	7,7
4 Intestinal infectious diseases (A00-A09)	834	7,1	4 Other disorders originating in the perinatal period (P90-P96)	432	7,1	4 Intestinal infectious diseases (A00-A09)	388	6,8
5 Influenza and pneumonia (J10-J18)	452	3,8	5 Infections specific to the perinatal period (P35-P39)	222	3,6	5 Influenza and pneumonia (J10-J18)	234	4,1
6 Infections specific to the perinatal period (P35-P39)	450	3,8	6 Influenza and pneumonia (J10-J18)	218	3,6	6 Infections specific to the perinatal period (P35-P39)	228	4,0
7 Malnutrition (E40-E46)	422	3,6	7 Malnutrition (E40-E46)	210	3,4	7 Malnutrition (E40-E46)	212	3,7
8 Tuberculosis (A15-A19)	371	3,1	8 Tuberculosis (A15-A19)	200	3,3	8 Disorders related to length of gestation and foetal growth (P05-P08)	186	3,3
9 Disorders related to length of gestation and foetal growth (P05-P08)	368	3,1	9 Certain disorders involving the immune mechanism (D80-D89)	184	3,0	9 Tuberculosis (A15-A19)	171	3,0
10 Certain disorders involving the immune mechanism (D80-D89)	354	3,0	10 Disorders related to length of gestation and foetal growth (P05-P08)	182	3,0	10 Certain disorders involving the immune mechanism (D80-D89)	170	3,0
... Other causes	4 170	35,4	... Other causes	2 219	36,4	... Other causes	1 951	34,3
... All causes	11 793	100,0	... All causes	6 100	100,0	... All causes	5 693	100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years				
1 Tuberculosis (A15-A19)	12 135	23,6	1 Tuberculosis (A15-A19)	6 460	23,6	1 Tuberculosis (A15-A19)	5 675	23,6
2 Influenza and pneumonia (J10-J18)	4 177	8,1	2 Influenza and pneumonia (J10-J18)	1 847	6,8	2 Influenza and pneumonia (J10-J18)	2 330	9,7
3 Intestinal infectious diseases (A00-A09)	2 712	5,3	3 Intestinal infectious diseases (A00-A09)	1 191	4,4	3 Intestinal infectious diseases (A00-A09)	1 521	6,3
4 Certain disorders involving the immune mechanism (D80-D89)	1 699	3,3	4 Human immunodeficiency virus [HIV] disease (B20-B24)	704	2,6	4 Certain disorders involving the immune mechanism (D80-D89)	1 006	4,2
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 520	3,0	5 Certain disorders involving the immune mechanism (D80-D89)	693	2,5	5 Human immunodeficiency virus [HIV] disease (B20-B24)	816	3,4
6 Other forms of heart disease (I30-I52)	1 208	2,3	6 Other forms of heart disease (I30-I52)	594	2,2	6 Other forms of heart disease (I30-I52)	614	2,5
7 Inflammatory diseases of the central nervous system (G00-G09)	934	1,8	7 Other external causes of accidental injury (W00-X59)	550	2,0	7 Other viral diseases (B25-B34)	512	2,1
8 Cerebrovascular diseases (I60-I69)	912	1,8	8 Cerebrovascular diseases (I60-I69)	467	1,7	8 Inflammatory diseases of the central nervous system (G00-G09)	486	2,0
9 Other viral diseases (B25-B34)	886	1,7	9 Inflammatory diseases of the central nervous system (G00-G09)	448	1,6	9 Cerebrovascular diseases (I60-I69)	445	1,8
10 Chronic lower respiratory diseases (J40-J47)	755	1,5	10 Chronic lower respiratory diseases (J40-J47)	423	1,5	10 Noninfective enteritis and colitis (K50-K52)	401	1,7
... Other causes	24 509	47,6	... Other causes	13 976	51,1	... Other causes	10 288	42,7
... All causes	51 447	100,0	... All causes	27 353	100,0	... All causes	24 094	100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 884	11,2	1 Tuberculosis (A15-A19)	1 340	13,4	1 Diabetes mellitus (E10-E14)	765	11,1
2 Cerebrovascular diseases (I60-I69)	1 346	8,0	2 Cerebrovascular diseases (I60-I69)	646	6,5	2 Cerebrovascular diseases (I60-I69)	700	10,2
3 Diabetes mellitus (E10-E14)	1 330	7,9	3 Diabetes mellitus (E10-E14)	565	5,7	3 Tuberculosis (A15-A19)	544	7,9
4 Other forms of heart disease (I30-I52)	960	5,7	4 Ischaemic heart diseases (I20-I25)	542	5,4	4 Other forms of heart disease (I30-I52)	437	6,4
5 Ischaemic heart diseases (I20-I25)	769	4,6	5 Other forms of heart disease (I30-I52)	523	5,2	5 Intestinal infectious diseases (A00-A09)	309	4,5
6 Chronic lower respiratory diseases (J40-J47)	714	4,2	6 Chronic lower respiratory diseases (J40-J47)	505	5,1	6 Influenza and pneumonia (J10-J18)	289	4,2
7 Influenza and pneumonia (J10-J18)	713	4,2	7 Influenza and pneumonia (J10-J18)	424	4,2	7 Hypertensive diseases (I10-I15)	286	4,2
8 Intestinal infectious diseases (A00-A09)	633	3,8	8 Intestinal infectious diseases (A00-A09)	324	3,2	8 Ischaemic heart diseases (I20-I25)	227	3,3
9 Hypertensive diseases (I10-I15)	528	3,1	9 Malignant neoplasms of digestive organs (C15-C26)	316	3,2	9 Malignant neoplasms of female genital organs (C51-C58)	214	3,1
10 Malignant neoplasms of digestive organs (C15-C26)	491	2,9	10 Hypertensive diseases (I10-I15)	242	2,4	10 Chronic lower respiratory diseases (J40-J47)	209	3,0
... Other causes	7 473	44,4	... Other causes	4 551	45,6	... Other causes	2 883	42,0
... All causes	16 841	100,0	... All causes	9 978	100,0	... All causes	6 863	100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	2 938	12,1	1 Cerebrovascular diseases (I60-I69)	985	10,0	1 Cerebrovascular diseases (I60-I69)	1 953	13,5
2 Other forms of heart disease (I30-I52)	2 280	9,4	2 Other forms of heart disease (I30-I52)	859	8,7	2 Other forms of heart disease (I30-I52)	1 421	9,8
3 Diabetes mellitus (E10-E14)	1 846	7,5	3 Chronic lower respiratory diseases (J40-J47)	620	6,3	3 Diabetes mellitus (E10-E14)	1 283	8,8
4 Ischaemic heart diseases (I20-I25)	1 233	5,1	4 Ischaemic heart diseases (I20-I25)	614	6,2	4 Hypertensive diseases (I10-I15)	837	5,8
5 Hypertensive diseases (I10-I15)	1 181	4,8	5 Diabetes mellitus (E10-E14)	563	5,7	5 Influenza and pneumonia (J10-J18)	636	4,4
6 Chronic lower respiratory diseases (J40-J47)	1 125	4,6	6 Tuberculosis (A15-A19)	541	5,5	6 Ischaemic heart diseases (I20-I25)	619	4,3
7 Influenza and pneumonia (J10-J18)	1 081	4,4	7 Influenza and pneumonia (J10-J18)	445	4,5	7 Chronic lower respiratory diseases (J40-J47)	505	3,5
8 General symptoms and signs (R50-R69)	893	3,7	8 Hypertensive diseases (I10-I15)	344	3,5	8 Intestinal infectious diseases (A00-A09)	423	2,9
9 Tuberculosis (A15-A19)	866	3,6	9 Malignant neoplasms of digestive organs (C15-C26)	310	3,1	9 Tuberculosis (A15-A19)	325	2,2
10 Intestinal infectious diseases (A00-A09)	667	2,7	10 Intestinal infectious diseases (A00-A09)	244	2,5	10 Malignant neoplasms of digestive organs (C15-C26)	292	2,0
... Other causes	10 266	42,1	... Other causes	4 345	44,0	... Other causes	6 212	42,8
... All causes	24 376	100,0	... All causes	9 870	100,0	... All causes	14 506	100,0

Excluding a total of 1 093 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 2001

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	4 541	11,5	1 Tuberculosis (A15-A19)	2 535	12,3	1 Influenza and pneumonia (J10-J18)	2 144	11,4
2 Influenza and pneumonia (J10-J18)	4 175	10,6	2 Influenza and pneumonia (J10-J18)	2 031	9,8	2 Tuberculosis (A15-A19)	2 006	10,7
3 Other forms of heart disease (I30-I52)	2 700	6,8	3 Other forms of heart disease (I30-I52)	1 338	6,5	3 Other forms of heart disease (I30-I52)	1 362	7,3
4 Cerebrovascular diseases (I60-I69)	2 030	5,1	4 Cerebrovascular diseases (I60-I69)	865	4,2	4 Cerebrovascular diseases (I60-I69)	1 165	6,2
5 Intestinal infectious diseases (A00-A09)	1 857	4,7	5 Intestinal infectious diseases (A00-A09)	829	4,0	5 Intestinal infectious diseases (A00-A09)	1 028	5,5
6 Certain disorders involving the immune mechanism (D80-D89)	1 625	4,1	6 Chronic lower respiratory diseases (J40-J47)	771	3,7	6 Certain disorders involving the immune mechanism (D80-D89)	884	4,7
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 254	3,2	7 Certain disorders involving the immune mechanism (D80-D89)	741	3,6	7 Hypertensive diseases (I10-I15)	751	4,0
8 Hypertensive diseases (I10-I15)	1 247	3,2	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	665	3,2	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	589	3,1
9 Chronic lower respiratory diseases (J40-J47)	1 227	3,1	9 Human immunodeficiency virus [HIV] disease (B20-B24)	506	2,4	9 Diabetes mellitus (E10-E14)	535	2,9
10 Diabetes mellitus (E10-E14)	856	2,2	10 Hypertensive diseases (I10-I15)	496	2,4	10 Chronic lower respiratory diseases (J40-J47)	456	2,4
... Other causes	17 916	45,4	... Other causes	9 910	47,9	... Other causes	7 821	41,7
... All causes	39 428	100,0	... All causes	20 687	100,0	... All causes	18 741	100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 254	24,4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	665	24,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	589	24,7
2 Digestive system disorders of foetus and newborn (P75-P78)	773	15,1	2 Digestive system disorders of foetus and newborn (P75-P78)	430	15,6	2 Digestive system disorders of foetus and newborn (P75-P78)	343	14,4
3 Intestinal infectious diseases (A00-A09)	377	7,3	3 Intestinal infectious diseases (A00-A09)	204	7,4	3 Intestinal infectious diseases (A00-A09)	173	7,3
4 Certain disorders involving the immune mechanism (D80-D89)	291	5,7	4 Certain disorders involving the immune mechanism (D80-D89)	156	5,7	4 Influenza and pneumonia (J10-J18)	151	6,3
5 Influenza and pneumonia (J10-J18)	274	5,3	5 Influenza and pneumonia (J10-J18)	123	4,5	5 Certain disorders involving the immune mechanism (D80-D89)	135	5,7
6 Disorders related to length of gestation and foetal growth (P05-P08)	195	3,8	6 Disorders related to length of gestation and foetal growth (P05-P08)	112	4,1	6 Malnutrition (E40-E46)	92	3,9
7 Malnutrition (E40-E46)	184	3,6	7 Infections specific to the perinatal period (P35-P39)	94	3,4	7 Disorders related to length of gestation and foetal growth (P05-P08)	83	3,5
8 Infections specific to the perinatal period (P35-P39)	166	3,2	8 Malnutrition (E40-E46)	92	3,3	8 Infections specific to the perinatal period (P35-P39)	72	3,0
9 Other disorders originating in the perinatal period (P90-P96)	148	2,9	9 Other disorders originating in the perinatal period (P90-P96)	79	2,9	9 Other disorders originating in the perinatal period (P90-P96)	69	2,9
10 Tuberculosis (A15-A19)	108	2,1	10 Transitory endocrine & metabolic disorders specific to foetus & newborn (P70-P74)	56	2,0	10 Tuberculosis (A15-A19)	58	2,4
... Other causes	1 364	26,6	... Other causes	743	27,0	... Other causes	615	25,8
... All causes	5 134	100,0	... All causes	2 754	100,0	... All causes	2 380	100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years				
1 Tuberculosis (A15-A19)	3 475	19,0	1 Tuberculosis (A15-A19)	1 786	18,9	1 Tuberculosis (A15-A19)	1 689	19,2
2 Influenza and pneumonia (J10-J18)	2 615	14,3	2 Influenza and pneumonia (J10-J18)	1 184	12,5	2 Influenza and pneumonia (J10-J18)	1 431	16,3
3 Certain disorders involving the immune mechanism (D80-D89)	1 242	6,8	3 Certain disorders involving the immune mechanism (D80-D89)	530	5,6	3 Certain disorders involving the immune mechanism (D80-D89)	712	8,1
4 Intestinal infectious diseases (A00-A09)	1 038	5,7	4 Human immunodeficiency virus [HIV] disease (B20-B24)	441	4,7	4 Intestinal infectious diseases (A00-A09)	616	7,0
5 Other forms of heart disease (I30-I52)	878	4,8	5 Other forms of heart disease (I30-I52)	435	4,6	5 Other forms of heart disease (I30-I52)	443	5,0
6 Human immunodeficiency virus [HIV] disease (B20-B24)	729	4,0	6 Intestinal infectious diseases (A00-A09)	422	4,5	6 Human immunodeficiency virus [HIV] disease (B20-B24)	288	3,3
7 Cerebrovascular diseases (I60-I69)	351	1,9	7 Chronic lower respiratory diseases (J40-J47)	153	1,6	7 Cerebrovascular diseases (I60-I69)	201	2,3
8 Chronic lower respiratory diseases (J40-J47)	301	1,6	8 Cerebrovascular diseases (I60-I69)	150	1,6	8 Chronic lower respiratory diseases (J40-J47)	148	1,7
9 Inflammatory diseases of the central nervous system (G00-G09)	290	1,6	9 Inflammatory diseases of the central nervous system (G00-G09)	143	1,5	9 Inflammatory diseases of the central nervous system (G00-G09)	147	1,7
10 Other viral diseases (B25-B34)	214	1,2	10 Diseases of liver (K70-K77)	112	1,2	10 Aplastic and other anaemias (D60-D64)	121	1,4
... Other causes	7 128	39,0	... Other causes	4 113	43,4	... Other causes	2 996	34,1
... All causes	18 261	100,0	... All causes	9 469	100,0	... All causes	8 792	100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years				
1 Tuberculosis (A15-A19)	660	10,4	1 Tuberculosis (A15-A19)	486	12,8	1 Cerebrovascular diseases (I60-I69)	261	10,3
2 Other forms of heart disease (I30-I52)	553	8,8	2 Influenza and pneumonia (J10-J18)	323	8,5	2 Other forms of heart disease (I30-I52)	245	9,7
3 Cerebrovascular diseases (I60-I69)	533	8,4	3 Other forms of heart disease (I30-I52)	308	8,1	3 Influenza and pneumonia (J10-J18)	208	8,2
4 Influenza and pneumonia (J10-J18)	531	8,4	4 Cerebrovascular diseases (I60-I69)	272	7,2	4 Tuberculosis (A15-A19)	174	6,9
5 Chronic lower respiratory diseases (J40-J47)	379	6,0	5 Chronic lower respiratory diseases (J40-J47)	257	6,8	5 Diabetes mellitus (E10-E14)	150	5,9
6 Hypertensive diseases (I10-I15)	286	4,5	6 Malignant neoplasms of digestive organs (C15-C26)	163	4,3	6 Hypertensive diseases (I10-I15)	139	5,5
7 Diabetes mellitus (E10-E14)	248	3,9	7 Hypertensive diseases (I10-I15)	147	3,9	7 Chronic lower respiratory diseases (J40-J47)	122	4,8
8 Malignant neoplasms of digestive organs (C15-C26)	245	3,9	8 Ischaemic heart diseases (I20-I25)	142	3,7	8 Malignant neoplasms of female genital organs (C51-C58)	103	4,1
9 Ischaemic heart diseases (I20-I25)	209	3,3	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	100	2,6	9 Intestinal infectious diseases (A00-A09)	86	3,4
10 Intestinal infectious diseases (A00-A09)	178	2,8	10 Diabetes mellitus (E10-E14)	98	2,6	10 Malignant neoplasms of digestive organs (C15-C26)	82	3,3
... Other causes	2 498	39,5	... Other causes	1 502	39,5	... Other causes	952	37,7
... All causes	6 320	100,0	... All causes	3 798	100,0	... All causes	2 522	100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	1 240	12,8	1 Other forms of heart disease (I30-I52)	577	12,4	1 Cerebrovascular diseases (I60-I69)	701	13,9
2 Cerebrovascular diseases (I60-I69)	1 137	11,7	2 Cerebrovascular diseases (I60-I69)	436	9,3	2 Other forms of heart disease (I30-I52)	663	13,1
3 Hypertensive diseases (I10-I15)	792	8,2	3 Influenza and pneumonia (J10-J18)	401	8,6	3 Hypertensive diseases (I10-I15)	518	10,3
4 Influenza and pneumonia (J10-J18)	755	7,8	4 Chronic lower respiratory diseases (J40-J47)	348	7,5	4 Influenza and pneumonia (J10-J18)	354	7,0
5 Chronic lower respiratory diseases (J40-J47)	530	5,5	5 Hypertensive diseases (I10-I15)	274	5,9	5 Diabetes mellitus (E10-E14)	299	5,9
6 Diabetes mellitus (E10-E14)	450	4,6	6 Tuberculosis (A15-A19)	213	4,6	6 Ischaemic heart diseases (I20-I25)	206	4,1
7 Ischaemic heart diseases (I20-I25)	417	4,3	7 Ischaemic heart diseases (I20-I25)	211	4,5	7 Chronic lower respiratory diseases (J40-J47)	182	3,6
8 Tuberculosis (A15-A19)	298	3,1	8 Malignant neoplasms of digestive organs (C15-C26)	179	3,8	8 Intestinal infectious diseases (A00-A09)	153	3,0
9 Malignant neoplasms of digestive organs (C15-C26)	278	2,9	9 Diabetes mellitus (E10-E14)	151	3,2	9 Malignant neoplasms of digestive organs (C15-C26)	99	2,0
10 Intestinal infectious diseases (A00-A09)	264	2,7	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	117	2,5	10 Tuberculosis (A15-A19)	85	1,7
... Other causes	3 552	36,6	... Other causes	1 759	37,7	... Other causes	1 787	35,4
... All causes	9 713	100,0	... All causes	4 666	100,0	... All causes	5 047	100,0

Excluding a total of 269 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 2001

Gauteng, both sexes, all ages			Gauteng, male, all ages			Gauteng, female, all ages		
No.	%		No.	%		No.	%	
1 Tuberculosis (A15-A19)	7 309	8,6	1 Tuberculosis (A15-A19)	4 228	9,1	1 Tuberculosis (A15-A19)	3 081	7,9
2 Influenza and pneumonia (J10-J18)	5 878	6,9	2 Influenza and pneumonia (J10-J18)	2 909	6,3	2 Influenza and pneumonia (J10-J18)	2 969	7,6
3 Other forms of heart disease (I30-I52)	4 770	5,6	3 Other forms of heart disease (I30-I52)	2 235	4,8	3 Other forms of heart disease (I30-I52)	2 535	6,5
4 Cerebrovascular diseases (I60-I69)	3 701	4,3	4 Cerebrovascular diseases (I60-I69)	1 634	3,5	4 Cerebrovascular diseases (I60-I69)	2 067	5,3
5 Diabetes mellitus (E10-E14)	2 674	3,1	5 Ischaemic heart diseases (I20-I25)	1 528	3,3	5 Diabetes mellitus (E10-E14)	1 518	3,9
6 Ischaemic heart diseases (I20-I25)	2 584	3,0	6 Chronic lower respiratory diseases (J40-J47)	1 374	3,0	6 Hypertensive diseases (I10-I15)	1 172	3,0
7 Chronic lower respiratory diseases (J40-J47)	2 337	2,7	7 Diabetes mellitus (E10-E14)	1 156	2,5	7 Intestinal infectious diseases (A00-A09)	1 112	2,8
8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 168	2,5	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 140	2,5	8 Certain disorders involving the immune mechanism (D80-D89)	1 088	2,8
9 Certain disorders involving the immune mechanism (D80-D89)	2 081	2,4	9 Malignant neoplasms of digestive organs (C15-C26)	1 068	2,3	9 Ischaemic heart diseases (I20-I25)	1 056	2,7
10 Intestinal infectious diseases (A00-A09)	2 074	2,4	10 Certain disorders involving the immune mechanism (D80-D89)	993	2,1	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 028	2,6
... Other causes	49 862	58,4	... Other causes	28 063	60,6	... Other causes	21 484	54,9
... All causes	85 438	100,0	... All causes	46 328	100,0	... All causes	39 110	100,0
Gauteng, both sexes, 0-14 years			Gauteng, male, 0-14 years			Gauteng, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 168	21,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 140	21,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 028	21,6
2 Other disorders originating in the perinatal period (P90-P96)	1 192	11,9	2 Other disorders originating in the perinatal period (P90-P96)	640	12,1	2 Other disorders originating in the perinatal period (P90-P96)	552	11,6
3 Digestive system disorders of foetus and newborn (P75-P78)	956	9,5	3 Digestive system disorders of foetus and newborn (P75-P78)	518	9,8	3 Digestive system disorders of foetus and newborn (P75-P78)	438	9,2
4 Certain disorders involving the immune mechanism (D80-D89)	407	4,1	4 Infections specific to the perinatal period (P35-P39)	203	3,8	4 Certain disorders involving the immune mechanism (D80-D89)	230	4,8
5 Infections specific to the perinatal period (P35-P39)	385	3,8	5 Certain disorders involving the immune mechanism (D80-D89)	177	3,3	5 Intestinal infectious diseases (A00-A09)	183	3,8
6 Intestinal infectious diseases (A00-A09)	343	3,4	6 Influenza and pneumonia (J10-J18)	164	3,1	6 Infections specific to the perinatal period (P35-P39)	182	3,8
7 Influenza and pneumonia (J10-J18)	323	3,2	7 Intestinal infectious diseases (A00-A09)	160	3,0	7 Influenza and pneumonia (J10-J18)	159	3,3
8 Other viral diseases (B25-B34)	266	2,6	8 Other viral diseases (B25-B34)	134	2,5	8 Other viral diseases (B25-B34)	132	2,8
9 Protozoal diseases (B50-B64)	243	2,4	9 Protozoal diseases (B50-B64)	129	2,4	9 Human immunodeficiency virus [HIV] disease (B20-B24)	129	2,7
10 Human immunodeficiency virus [HIV] disease (B20-B24)	232	2,3	10 Haemorrhagic and haematological disorders of foetus and newborn (P50-P61)	104	2,0	10 Protozoal diseases (B50-B64)	114	2,4
... Other causes	3 528	35,1	... Other causes	1 919	36,3	... Other causes	1 608	33,8
... All causes	10 043	100,0	... All causes	5 288	100,0	... All causes	4 755	100,0
Gauteng, both sexes, 15-49 years			Gauteng, male, 15-49 years			Gauteng, female, 15-49 years		
1 Tuberculosis (A15-A19)	5 798	15,1	1 Tuberculosis (A15-A19)	3 184	14,2	1 Tuberculosis (A15-A19)	2 614	16,2
2 Influenza and pneumonia (J10-J18)	3 577	9,3	2 Influenza and pneumonia (J10-J18)	1 742	7,8	2 Influenza and pneumonia (J10-J18)	1 835	11,4
3 Certain disorders involving the immune mechanism (D80-D89)	1 509	3,9	3 Certain disorders involving the immune mechanism (D80-D89)	726	3,2	3 Certain disorders involving the immune mechanism (D80-D89)	783	4,9
4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 317	3,4	4 Human immunodeficiency virus [HIV] disease (B20-B24)	695	3,1	4 Other forms of heart disease (I30-I52)	662	4,1
5 Other forms of heart disease (I30-I52)	1 306	3,4	5 Other forms of heart disease (I30-I52)	644	2,9	5 Intestinal infectious diseases (A00-A09)	656	4,1
6 Intestinal infectious diseases (A00-A09)	1 177	3,1	6 Intestinal infectious diseases (A00-A09)	521	2,3	6 Human immunodeficiency virus [HIV] disease (B20-B24)	622	3,9
7 Other viral diseases (B25-B34)	989	2,6	7 Other viral diseases (B25-B34)	440	2,0	7 Other viral diseases (B25-B34)	549	3,4
8 Cerebrovascular diseases (I60-I69)	777	2,0	8 Cerebrovascular diseases (I60-I69)	413	1,8	8 Cerebrovascular diseases (I60-I69)	364	2,3
9 Inflammatory diseases of the central nervous system (G00-G09)	633	1,6	9 Inflammatory diseases of the central nervous system (G00-G09)	347	1,6	9 Inflammatory diseases of the central nervous system (G00-G09)	286	1,8
10 Renal failure (N17-N19)	417	1,1	10 Renal failure (N17-N19)	252	1,1	10 Protozoal diseases (B50-B64)	217	1,3
... Other causes	20 945	54,5	... Other causes	13 380	59,9	... Other causes	7 513	46,7
... All causes	38 445	100,0	... All causes	22 344	100,0	... All causes	16 101	100,0
Gauteng, both sexes, 50-64 years			Gauteng, male, 50-64 years			Gauteng, female, 50-64 years		
1 Other forms of heart disease (I30-I52)	1 080	7,3	1 Tuberculosis (A15-A19)	719	8,1	1 Other forms of heart disease (I30-I52)	462	7,9
2 Tuberculosis (A15-A19)	1 020	6,9	2 Other forms of heart disease (I30-I52)	618	7,0	2 Cerebrovascular diseases (I60-I69)	447	7,7
3 Cerebrovascular diseases (I60-I69)	938	6,4	3 Influenza and pneumonia (J10-J18)	517	5,8	3 Diabetes mellitus (E10-E14)	425	7,3
4 Diabetes mellitus (E10-E14)	837	5,7	4 Ischaemic heart diseases (I20-I25)	492	5,5	4 Tuberculosis (A15-A19)	301	5,2
5 Influenza and pneumonia (J10-J18)	796	5,4	5 Cerebrovascular diseases (I60-I69)	491	5,5	5 Influenza and pneumonia (J10-J18)	279	4,8
6 Chronic lower respiratory diseases (J40-J47)	703	4,8	6 Malignant neoplasms of digestive organs (C15-C26)	431	4,9	6 Chronic lower respiratory diseases (J40-J47)	273	4,7
7 Ischaemic heart diseases (I20-I25)	663	4,5	7 Chronic lower respiratory diseases (J40-J47)	430	4,8	7 Hypertensive diseases (I10-I15)	262	4,5
8 Malignant neoplasms of digestive organs (C15-C26)	637	4,3	8 Diabetes mellitus (E10-E14)	412	4,6	8 Malignant neoplasms of female genital organs (C51-C58)	219	3,8
9 Hypertensive diseases (I10-I15)	467	3,2	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	292	3,3	9 Malignant neoplasms of digestive organs (C15-C26)	206	3,5
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	387	2,6	10 Hypertensive diseases (I10-I15)	205	2,3	10 Malignant neoplasms of breast (C50)	189	3,2
... Other causes	7 169	48,8	... Other causes	4 265	48,1	... Other causes	2 762	47,4
... All causes	14 697	100,0	... All causes	8 872	100,0	... All causes	5 825	100,0
Gauteng, both sexes, 65 years and above			Gauteng, male, 65 years and above			Gauteng, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	2 307	10,4	1 Other forms of heart disease (I30-I52)	934	9,5	1 Other forms of heart disease (I30-I52)	1 373	11,0
2 Cerebrovascular diseases (I60-I69)	1 969	8,8	2 Ischaemic heart diseases (I20-I25)	798	8,1	2 Cerebrovascular diseases (I60-I69)	1 244	10,0
3 Ischaemic heart diseases (I20-I25)	1 590	7,1	3 Chronic lower respiratory diseases (J40-J47)	731	7,4	3 Diabetes mellitus (E10-E14)	885	7,1
4 Diabetes mellitus (E10-E14)	1 425	6,4	4 Cerebrovascular diseases (I60-I69)	725	7,4	4 Ischaemic heart diseases (I20-I25)	792	6,4
5 Chronic lower respiratory diseases (J40-J47)	1 251	5,6	5 Diabetes mellitus (E10-E14)	540	5,5	5 Hypertensive diseases (I10-I15)	758	6,1
6 Influenza and pneumonia (J10-J18)	1 182	5,3	6 Influenza and pneumonia (J10-J18)	486	4,9	6 Influenza and pneumonia (J10-J18)	696	5,6
7 Hypertensive diseases (I10-I15)	1 143	5,1	7 Malignant neoplasms of digestive organs (C15-C26)	450	4,6	7 Chronic lower respiratory diseases (J40-J47)	520	4,2
8 Malignant neoplasms of digestive organs (C15-C26)	885	4,0	8 Hypertensive diseases (I10-I15)	385	3,9	8 Malignant neoplasms of digestive organs (C15-C26)	435	3,5
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	496	2,2	9 Malignant neoplasms of male genital organs (C60-C63)	331	3,4	9 Renal failure (N17-N19)	233	1,9
10 Renal failure (N17-N19)	456	2,0	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	316	3,2	10 Malignant neoplasms of female genital organs (C51-C58)	221	1,8
... Other causes	9 549	42,9	... Other causes	4 128	42,0	... Other causes	5 272	42,4
... All causes	22 253	100,0	... All causes	9 824	100,0	... All causes	12 429	100,0

Excluding a total of 635 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 2001

Mpumalanga, both sexes, all ages		Mpumalanga, male, all ages		Mpumalanga, female, all ages		
No.	%	No.	%	No.	%	
1 Tuberculosis (A15-A19)	3 509	11,2	2 051	12,5	1 458	9,8
2 Influenza and pneumonia (J10-J18)	2 502	8,0	1 197	7,3	1 305	8,8
3 Intestinal infectious diseases (A00-A09)	1 477	4,7	676	4,1	821	5,5
4 Cerebrovascular diseases (I60-I69)	1 441	4,6	676	4,1	801	5,4
5 Other forms of heart disease (I30-I52)	1 418	4,5	620	3,8	742	5,0
6 Certain disorders involving the immune mechanism (D80-D89)	1 181	3,8	541	3,3	640	4,3
7 Human immunodeficiency virus [HIV] disease (B20-B24)	968	3,1	538	3,3	533	3,6
8 Chronic lower respiratory diseases (J40-J47)	935	3,0	457	2,8	511	3,4
9 Diabetes mellitus (E10-E14)	882	2,8	349	2,1	509	3,4
10 Hypertensive diseases (I10-I15)	851	2,7	349	2,1	397	2,7
... Other causes	16 113	51,5	8 914	54,5	7 192	48,2
... All causes	31 277	100,0	16 368	100,0	14 909	100,0
Mpumalanga, both sexes, 0-14 years		Mpumalanga, male, 0-14 years		Mpumalanga, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	699	19,3	341	18,1	358	20,5
2 Digestive system disorders of foetus and newborn (P75-P78)	465	12,8	235	12,5	230	13,2
3 Intestinal infectious diseases (A00-A09)	301	8,3	152	8,1	149	8,5
4 Other disorders originating in the perinatal period (P90-P96)	176	4,8	90	4,8	94	5,4
5 Influenza and pneumonia (J10-J18)	169	4,7	82	4,4	86	4,9
6 Certain disorders involving the immune mechanism (D80-D89)	150	4,1	78	4,1	79	4,5
7 Malnutrition (E40-E46)	145	4,0	63	3,3	72	4,1
8 Disorders related to length of gestation and foetal growth (P05-P08)	111	3,1	59	3,1	48	2,7
9 Infections specific to the perinatal period (P35-P39)	101	2,8	56	3,0	45	2,6
10 Tuberculosis (A15-A19)	84	2,3	41	2,2	43	2,5
... Other causes	1 230	33,9	686	36,4	544	31,1
... All causes	3 631	100,0	1 883	100,0	1 748	100,0
Mpumalanga, both sexes, 15-49 years		Mpumalanga, male, 15-49 years		Mpumalanga, female, 15-49 years		
1 Tuberculosis (A15-A19)	2 684	18,0	1 487	18,9	1 197	17,1
2 Influenza and pneumonia (J10-J18)	1 521	10,2	685	8,7	836	11,9
3 Certain disorders involving the immune mechanism (D80-D89)	939	6,3	412	5,2	527	7,5
4 Human immunodeficiency virus [HIV] disease (B20-B24)	816	5,5	364	4,6	452	6,4
5 Intestinal infectious diseases (A00-A09)	735	4,9	338	4,3	397	5,7
6 Other forms of heart disease (I30-I52)	305	2,0	148	1,9	195	2,8
7 Other viral diseases (B25-B34)	293	2,0	130	1,7	157	2,2
8 Cerebrovascular diseases (I60-I69)	280	1,9	113	1,4	150	2,1
9 Chronic lower respiratory diseases (J40-J47)	238	1,6	106	1,3	132	1,9
10 Noninfective enteritis and colitis (K50-K52)	216	1,5	102	1,3	114	1,6
... Other causes	6 857	46,1	3 987	50,6	2 855	40,7
... All causes	14 884	100,0	7 872	100,0	7 012	100,0
Mpumalanga, both sexes, 50-64 years		Mpumalanga, male, 50-64 years		Mpumalanga, female, 50-64 years		
1 Tuberculosis (A15-A19)	512	9,9	368	11,9	178	8,5
2 Cerebrovascular diseases (I60-I69)	384	7,4	206	6,7	175	8,3
3 Influenza and pneumonia (J10-J18)	315	6,1	192	6,2	144	6,8
4 Diabetes mellitus (E10-E14)	296	5,7	175	5,7	133	6,3
5 Other forms of heart disease (I30-I52)	291	5,6	162	5,3	123	5,8
6 Hypertensive diseases (I10-I15)	259	5,0	126	4,1	116	5,5
7 Chronic lower respiratory diseases (J40-J47)	244	4,7	121	3,9	98	4,7
8 Ischaemic heart diseases (I20-I25)	189	3,6	121	3,9	95	4,5
9 Intestinal infectious diseases (A00-A09)	186	3,6	118	3,8	82	3,9
10 Malignant neoplasms of digestive organs (C15-C26)	163	3,1	10	0,3	68	3,2
... Other causes	2 345	45,2	1 395	45,3	892	42,4
... All causes	5 184	100,0	3 080	100,0	2 104	100,0
Mpumalanga, both sexes, 65 years and above		Mpumalanga, male, 65 years and above		Mpumalanga, female, 65 years and above		
1 Other forms of heart disease (I30-I52)	811	10,7	345	9,8	492	12,2
2 Cerebrovascular diseases (I60-I69)	776	10,2	284	8,0	466	11,5
3 Influenza and pneumonia (J10-J18)	497	6,6	262	7,4	306	7,6
4 Hypertensive diseases (I10-I15)	474	6,3	230	6,5	267	6,6
5 Chronic lower respiratory diseases (J40-J47)	438	5,8	168	4,8	259	6,4
6 Diabetes mellitus (E10-E14)	404	5,3	155	4,4	176	4,4
7 Ischaemic heart diseases (I20-I25)	293	3,9	153	4,3	160	4,0
8 Intestinal infectious diseases (A00-A09)	255	3,4	145	4,1	140	3,5
9 Tuberculosis (A15-A19)	229	3,0	124	3,5	101	2,5
10 Malignant neoplasms of digestive organs (C15-C26)	225	3,0	122	3,5	77	1,9
... Other causes	3 176	41,9	1 545	43,7	1 601	39,6
... All causes	7 578	100,0	3 533	100,0	4 045	100,0

Excluding a total of 261 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 2001

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages		
No.	%	No.	%	No.	%	
1 Influenza and pneumonia (J10-J18)	2 926	8.4	1 642	9.5	1 548	8.9
2 Tuberculosis (A15-A19)	2 671	7.7	1 378	8.0	1 116	6.4
3 Intestinal infectious diseases (A00-A09)	1 918	5.5	802	4.6	1 037	5.9
4 Cerebrovascular diseases (I60-I69)	1 717	4.9	694	4.0	1 029	5.9
5 Other forms of heart disease (I30-I52)	1 559	4.5	680	3.9	865	4.9
6 Hypertensive diseases (I10-I15)	1 237	3.6	591	3.4	675	3.9
7 Diabetes mellitus (E10-E14)	1 007	2.9	562	3.2	585	3.3
8 Chronic lower respiratory diseases (J40-J47)	960	2.8	422	2.4	425	2.4
9 Certain disorders involving the immune mechanism (D80-D89)	772	2.2	373	2.2	389	2.2
10 Diseases of liver (K70-K77)	652	1.9	347	2.0	306	1.7
... Other causes	19 352	55.6	9 810	56.7	9 515	54.4
... All causes	34 791	100.0	17 301	100.0	17 490	100.0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	490	15.2	254	15.2	236	15.2
2 Intestinal infectious diseases (A00-A09)	312	9.7	152	9.1	160	10.3
3 Digestive system disorders of foetus and newborn (P75-P78)	257	8.0	137	8.2	123	7.9
4 Influenza and pneumonia (J10-J18)	240	7.5	117	7.0	120	7.7
5 Malnutrition (E40-E46)	121	3.8	60	3.6	61	3.9
6 Other disorders originating in the perinatal period (P90-P96)	120	3.7	60	3.6	60	3.9
7 Inflammatory diseases of the central nervous system (G00-G09)	106	3.3	51	3.1	55	3.5
8 Certain disorders involving the immune mechanism (D80-D89)	76	2.4	35	2.1	42	2.7
9 Disorders related to length of gestation and foetal growth (P05-P08)	63	2.0	34	2.0	31	2.0
10 Tuberculosis (A15-A19)	57	1.8	32	1.9	25	1.6
... Other causes	1 379	42.8	738	44.2	638	41.1
... All causes	3 221	100.0	1 670	100.0	1 551	100.0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years		
1 Tuberculosis (A15-A19)	1 865	13.7	1 037	14.9	828	12.4
2 Influenza and pneumonia (J10-J18)	1 448	10.6	623	8.9	825	12.3
3 Intestinal infectious diseases (A00-A09)	918	6.7	345	5.0	573	8.6
4 Certain disorders involving the immune mechanism (D80-D89)	616	4.5	267	3.8	349	5.2
5 Human immunodeficiency virus [HIV] disease (B20-B24)	382	2.8	173	2.5	209	3.1
6 Other forms of heart disease (I30-I52)	352	2.6	159	2.3	193	2.9
7 Protozoal diseases (B50-B64)	293	2.1	144	2.1	149	2.2
8 Chronic lower respiratory diseases (J40-J47)	273	2.0	141	2.0	145	2.2
9 Diseases of oesophagus, stomach and duodenum (K20-K31)	265	1.9	139	2.0	136	2.0
10 Hypertensive diseases (I10-I15)	262	1.9	138	2.0	135	2.0
... Other causes	6 972	51.1	3 797	54.5	3 141	47.0
... All causes	13 646	100.0	6 963	100.0	6 683	100.0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years		
1 Tuberculosis (A15-A19)	452	7.9	347	9.9	215	9.7
2 Hypertensive diseases (I10-I15)	434	7.6	278	7.9	200	9.0
3 Influenza and pneumonia (J10-J18)	429	7.5	219	6.3	160	7.2
4 Cerebrovascular diseases (I60-I69)	389	6.8	193	5.5	151	6.8
5 Diabetes mellitus (E10-E14)	311	5.4	189	5.4	140	6.3
6 Other forms of heart disease (I30-I52)	301	5.3	161	4.6	113	5.1
7 Chronic lower respiratory diseases (J40-J47)	270	4.7	151	4.3	105	4.7
8 Intestinal infectious diseases (A00-A09)	252	4.4	140	4.0	88	4.0
9 Malignant neoplasms of digestive organs (C15-C26)	198	3.5	139	4.0	77	3.5
10 Diseases of liver (K70-K77)	182	3.2	139	4.0	58	2.6
... Other causes	2 498	43.7	1 548	44.2	905	40.9
... All causes	5 716	100.0	3 504	100.0	2 212	100.0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above		
1 Cerebrovascular diseases (I60-I69)	1 098	9.0	389	7.5	709	10.1
2 Other forms of heart disease (I30-I52)	875	7.2	362	7.0	513	7.3
3 Influenza and pneumonia (J10-J18)	809	6.6	360	7.0	449	6.4
4 Hypertensive diseases (I10-I15)	536	4.4	251	4.9	334	4.7
5 Diabetes mellitus (E10-E14)	534	4.4	223	4.3	333	4.7
6 Intestinal infectious diseases (A00-A09)	436	3.6	202	3.9	270	3.8
7 Chronic lower respiratory diseases (J40-J47)	419	3.4	201	3.9	168	2.4
8 Malignant neoplasms of digestive organs (C15-C26)	304	2.5	166	3.2	152	2.2
9 Ischaemic heart diseases (I20-I25)	302	2.5	159	3.1	145	2.1
10 Tuberculosis (A15-A19)	297	2.4	150	2.9	115	1.6
... Other causes	6 598	54.0	2 701	52.3	3 856	54.7
... All causes	12 208	100.0	5 164	100.0	7 044	100.0

Excluding a total of 157 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 2002

South Africa, both sexes, all ages		South Africa, male, all ages		South Africa, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	59 775	12.1	1 Tuberculosis (A15-A19)	33 176	13.0	1 Tuberculosis (A15-A19)	26 599	11.1
2 Influenza and pneumonia (J10-J18)	37 529	7.6	2 Influenza and pneumonia (J10-J18)	17 540	6.9	2 Influenza and pneumonia (J10-J18)	19 989	8.3
3 Cerebrovascular diseases (I60-I69)	25 102	5.1	3 Cerebrovascular diseases (I60-I69)	10 776	4.2	3 Cerebrovascular diseases (I60-I69)	14 326	6.0
4 Other forms of heart disease (I30-I52)	22 581	4.6	4 Other forms of heart disease (I30-I52)	10 087	4.0	4 Other forms of heart disease (I30-I52)	12 494	5.2
5 Intestinal infectious diseases (A00-A09)	19 803	4.0	5 Chronic lower respiratory diseases (J40-J47)	8 910	3.5	5 Intestinal infectious diseases (A00-A09)	11 336	4.7
6 Diabetes mellitus (E10-E14)	15 691	3.2	6 Intestinal infectious diseases (A00-A09)	8 467	3.3	6 Diabetes mellitus (E10-E14)	9 540	4.0
7 Chronic lower respiratory diseases (J40-J47)	14 914	3.0	7 Ischaemic heart diseases (I20-I25)	7 044	2.8	7 Certain disorders involving the immune mechanism (D80-D89)	6 924	2.9
8 Certain disorders involving the immune mechanism (D80-D89)	12 614	2.5	8 Diabetes mellitus (E10-E14)	6 151	2.4	8 Hypertensive diseases (I10-I15)	6 652	2.8
9 Ischaemic heart diseases (I20-I25)	12 263	2.5	9 Certain disorders involving the immune mechanism (D80-D89)	5 690	2.2	9 Chronic lower respiratory diseases (J40-J47)	6 004	2.5
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	10 954	2.2	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	5 665	2.2	10 Human immunodeficiency virus [HIV] disease (B20-B24)	5 438	2.3
... Other causes	264 232	53.3	... Other causes	141 396	55.5	... Other causes	121 254	50.4
... All causes	495 458	100.0	... All causes	254 902	100.0	... All causes	240 556	100.0
South Africa, both sexes, 0-14 years		South Africa, male, 0-14 years		South Africa, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	10 954	20.4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	5 665	20.0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	5 289	20.9
2 Digestive system disorders of foetus and newborn (P75-P78)	6 772	12.6	2 Digestive system disorders of foetus and newborn (P75-P78)	3 510	12.4	2 Digestive system disorders of foetus and newborn (P75-P78)	3 262	12.9
3 Other disorders originating in the perinatal period (P90-P96)	3 685	6.9	3 Other disorders originating in the perinatal period (P90-P96)	1 874	6.5	3 Other disorders originating in the perinatal period (P90-P96)	1 811	7.2
4 Intestinal infectious diseases (A00-A09)	3 215	6.0	4 Intestinal infectious diseases (A00-A09)	1 670	5.9	4 Intestinal infectious diseases (A00-A09)	1 545	6.1
5 Influenza and pneumonia (J10-J18)	2 223	4.1	5 Influenza and pneumonia (J10-J18)	1 145	4.0	5 Influenza and pneumonia (J10-J18)	1 078	4.3
6 Disorders related to length of gestation and foetal growth (P05-P08)	1 903	3.5	6 Disorders related to length of gestation and foetal growth (P05-P08)	1 037	3.7	6 Disorders related to length of gestation and foetal growth (P05-P08)	866	3.4
7 Infections specific to the perinatal period (P35-P39)	1 717	3.2	7 Infections specific to the perinatal period (P35-P39)	972	3.4	7 Certain disorders involving the immune mechanism (D80-D89)	799	3.2
8 Certain disorders involving the immune mechanism (D80-D89)	1 655	3.1	8 Certain disorders involving the immune mechanism (D80-D89)	856	3.0	8 Malnutrition (E40-E46)	745	3.0
9 Malnutrition (E40-E46)	1 537	2.9	9 Malnutrition (E40-E46)	792	2.8	9 Infections specific to the perinatal period (P35-P39)	745	3.0
10 Tuberculosis (A15-A19)	1 327	2.5	10 Tuberculosis (A15-A19)	7 733	2.6	10 Tuberculosis (A15-A19)	594	2.4
... Other causes	18 644	34.8	... Other causes	10 128	35.7	... Other causes	8 516	33.7
... All causes	53 632	100.0	... All causes	28 382	100.0	... All causes	25 250	100.0
South Africa, both sexes, 15-49 years		South Africa, male, 15-49 years		South Africa, female, 15-49 years				
1 Tuberculosis (A15-A19)	45 852	19.9	1 Tuberculosis (A15-A19)	23 944	19.8	1 Tuberculosis (A15-A19)	21 908	19.9
2 Influenza and pneumonia (J10-J18)	23 781	10.3	2 Influenza and pneumonia (J10-J18)	10 326	8.5	2 Influenza and pneumonia (J10-J18)	13 455	12.2
3 Intestinal infectious diseases (A00-A09)	11 503	5.0	3 Intestinal infectious diseases (A00-A09)	4 532	3.7	3 Intestinal infectious diseases (A00-A09)	6 971	6.3
4 Certain disorders involving the immune mechanism (D80-D89)	9 812	4.2	4 Certain disorders involving the immune mechanism (D80-D89)	4 193	3.5	4 Certain disorders involving the immune mechanism (D80-D89)	5 619	5.1
5 Human immunodeficiency virus [HIV] disease (B20-B24)	9 671	3.8	5 Human immunodeficiency virus [HIV] disease (B20-B24)	4 013	3.3	5 Human immunodeficiency virus [HIV] disease (B20-B24)	4 658	4.2
6 Other forms of heart disease (I30-I52)	5 831	2.5	6 Other forms of heart disease (I30-I52)	2 677	2.2	6 Other forms of heart disease (I30-I52)	3 154	2.9
7 Cerebrovascular diseases (I60-I69)	4 626	2.0	7 Cerebrovascular diseases (I60-I69)	2 349	1.9	7 Other viral diseases (B25-B34)	2 783	2.5
8 Other viral diseases (B25-B34)	4 612	2.0	8 Chronic lower respiratory diseases (J40-J47)	1 921	1.6	8 Cerebrovascular diseases (I60-I69)	2 277	2.1
9 Inflammatory diseases of the central nervous system (G00-G09)	3 796	1.6	9 Other viral diseases (B25-B34)	1 829	1.5	9 Inflammatory diseases of the central nervous system (G00-G09)	2 040	1.9
10 Chronic lower respiratory diseases (J40-J47)	3 575	1.5	10 Inflammatory diseases of the central nervous system (G00-G09)	1 756	1.5	10 Chronic lower respiratory diseases (J40-J47)	1 654	1.5
... Other causes	108 928	47.2	... Other causes	63 443	52.4	... Other causes	45 485	41.3
... All causes	230 987	100.0	... All causes	120 983	100.0	... All causes	110 004	100.0
South Africa, both sexes, 50-64 years		South Africa, male, 50-64 years		South Africa, female, 50-64 years				
1 Tuberculosis (A15-A19)	8 738	10.4	1 Tuberculosis (A15-A19)	6 125	12.3	1 Cerebrovascular diseases (I60-I69)	3 051	9.0
2 Cerebrovascular diseases (I60-I69)	6 352	7.6	2 Cerebrovascular diseases (I60-I69)	3 301	6.6	2 Diabetes mellitus (E10-E14)	2 900	8.6
3 Diabetes mellitus (E10-E14)	5 149	6.2	3 Influenza and pneumonia (J10-J18)	3 003	6.0	3 Tuberculosis (A15-A19)	2 613	7.7
4 Other forms of heart disease (I30-I52)	4 888	5.8	4 Chronic lower respiratory diseases (J40-J47)	2 884	5.8	4 Other forms of heart disease (I30-I52)	2 230	6.6
5 Influenza and pneumonia (J10-J18)	4 863	5.8	5 Other forms of heart disease (I30-I52)	2 658	5.3	5 Influenza and pneumonia (J10-J18)	1 860	5.5
6 Chronic lower respiratory diseases (J40-J47)	4 223	5.0	6 Ischaemic heart diseases (I20-I25)	2 369	4.7	6 Hypertensive diseases (I10-I15)	1 450	4.3
7 Ischaemic heart diseases (I20-I25)	3 471	4.1	7 Diabetes mellitus (E10-E14)	2 249	4.5	7 Chronic lower respiratory diseases (J40-J47)	1 339	4.0
8 Malignant neoplasms of digestive organs (C15-C26)	3 175	3.8	8 Malignant neoplasms of digestive organs (C15-C26)	2 050	4.1	8 Malignant neoplasms of female genital organs (C51-C58)	1 160	3.4
9 Hypertensive diseases (I10-I15)	2 727	3.3	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 483	3.0	9 Malignant neoplasms of digestive organs (C15-C26)	1 125	3.3
10 Intestinal infectious diseases (A00-A09)	2 234	2.7	10 Hypertensive diseases (I10-I15)	1 277	2.6	10 Ischaemic heart diseases (I20-I25)	1 082	3.2
... Other causes	37 879	45.3	... Other causes	22 519	45.1	... Other causes	14 951	44.3
... All causes	83 679	100.0	... All causes	49 918	100.0	... All causes	33 761	100.0
South Africa, both sexes, 65 years and above		South Africa, male, 65 years and above		South Africa, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	14 001	11.0	1 Cerebrovascular diseases (I60-I69)	5 071	9.1	1 Cerebrovascular diseases (I60-I69)	8 930	12.5
2 Other forms of heart disease (I30-I52)	11 502	9.0	2 Other forms of heart disease (I30-I52)	4 577	8.2	2 Other forms of heart disease (I30-I52)	6 925	9.7
3 Diabetes mellitus (E10-E14)	8 246	6.5	3 Chronic lower respiratory diseases (J40-J47)	3 999	7.2	3 Diabetes mellitus (E10-E14)	5 422	7.6
4 Ischaemic heart diseases (I20-I25)	6 980	5.5	4 Ischaemic heart diseases (I20-I25)	3 455	6.2	4 Hypertensive diseases (I10-I15)	4 283	6.0
5 Chronic lower respiratory diseases (J40-J47)	6 918	5.4	5 Influenza and pneumonia (J10-J18)	3 066	5.5	5 Influenza and pneumonia (J10-J18)	3 596	5.0
6 Influenza and pneumonia (J10-J18)	6 662	5.2	6 Diabetes mellitus (E10-E14)	2 824	5.1	6 Ischaemic heart diseases (I20-I25)	3 525	4.9
7 Hypertensive diseases (I10-I15)	6 387	5.0	7 Tuberculosis (A15-A19)	2 374	4.3	7 Chronic lower respiratory diseases (J40-J47)	2 919	4.1
8 Malignant neoplasms of digestive organs (C15-C26)	4 395	3.5	8 Malignant neoplasms of digestive organs (C15-C26)	2 370	4.3	8 Malignant neoplasms of digestive organs (C15-C26)	2 025	2.8
9 Tuberculosis (A15-A19)	3 858	3.0	9 Hypertensive diseases (I10-I15)	2 104	3.8	9 Intestinal infectious diseases (A00-A09)	1 749	2.4
10 Intestinal infectious diseases (A00-A09)	2 851	2.2	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 494	2.7	10 Tuberculosis (A15-A19)	1 484	2.1
... Other causes	55 360	43.5	... Other causes	24 285	43.7	... Other causes	30 683	42.9
... All causes	127 160	100.0	... All causes	55 619	100.0	... All causes	71 541	100.0

Excluding a total of 4036 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 2002

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	3 926	9,1	1 Tuberculosis (A15-A19)	2 442	10,0	1 Cerebrovascular diseases (I60-I69)	1 568	8,4
2 Cerebrovascular diseases (I60-I69)	2 916	6,8	2 Ischaemic heart diseases (I20-I25)	1 650	6,8	2 Tuberculosis (A15-A19)	1 484	7,9
3 Ischaemic heart diseases (I20-I25)	2 797	6,5	3 Cerebrovascular diseases (I60-I69)	1 348	5,5	3 Diabetes mellitus (E10-E14)	1 480	7,9
4 Diabetes mellitus (E10-E14)	2 397	5,6	4 Chronic lower respiratory diseases (J40-J47)	1 139	4,7	4 Ischaemic heart diseases (I20-I25)	1 147	6,1
5 Chronic lower respiratory diseases (J40-J47)	1 787	4,1	5 Diabetes mellitus (E10-E14)	917	3,8	5 Other forms of heart disease (I30-I52)	955	5,1
6 Other forms of heart disease (I30-I52)	1 707	4,0	6 Malignant neoplasms of digestive organs (C15-C26)	885	3,6	6 Human immunodeficiency virus [HIV] disease (B20-B24)	709	3,8
7 Malignant neoplasms of digestive organs (C15-C26)	1 518	3,5	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	866	3,5	7 Chronic lower respiratory diseases (J40-J47)	648	3,5
8 Human immunodeficiency virus [HIV] disease (B20-B24)	1 324	3,1	8 Other forms of heart disease (I30-I52)	752	3,1	8 Malignant neoplasms of digestive organs (C15-C26)	633	3,4
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 246	2,9	9 Human immunodeficiency virus [HIV] disease (B20-B24)	615	2,5	9 Influenza and pneumonia (J10-J18)	574	3,1
10 Influenza and pneumonia (J10-J18)	1 109	2,6	10 Influenza and pneumonia (J10-J18)	535	2,2	10 Hypertensive diseases (I10-I15)	544	2,9
... Other causes	22 453	52,0	... Other causes	13 284	54,4	... Other causes	9 005	48,0
... All causes	43 180	100,0	... All causes	24 433	100,0	... All causes	18 747	100,0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	607	17,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	353	17,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	254	16,4
2 Digestive system disorders of foetus and newborn (P75-P78)	337	9,5	2 Digestive system disorders of foetus and newborn (P75-P78)	198	10,0	2 Other disorders originating in the perinatal period (P90-P96)	157	10,1
3 Other disorders originating in the perinatal period (P90-P96)	334	9,4	3 Other disorders originating in the perinatal period (P90-P96)	177	8,9	3 Digestive system disorders of foetus and newborn (P75-P78)	139	9,0
4 Disorders related to length of gestation and foetal growth (P05-P08)	183	5,2	4 Disorders related to length of gestation and foetal growth (P05-P08)	103	5,2	4 Disorders related to length of gestation and foetal growth (P05-P08)	80	5,2
5 Infections specific to the perinatal period (P35-P39)	159	4,5	5 Infections specific to the perinatal period (P35-P39)	96	4,8	5 Infections specific to the perinatal period (P35-P39)	63	4,1
6 Certain disorders involving the immune mechanism (D80-D89)	97	2,7	6 Certain disorders involving the immune mechanism (D80-D89)	54	2,7	6 Human immunodeficiency virus [HIV] disease (B20-B24)	46	3,0
7 Human immunodeficiency virus [HIV] disease (B20-B24)	90	2,5	7 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	48	2,4	7 Certain disorders involving the immune mechanism (D80-D89)	43	2,8
8 Intestinal infectious diseases (A00-A09)	85	2,4	8 Intestinal infectious diseases (A00-A09)	44	2,2	8 Intestinal infectious diseases (A00-A09)	41	2,6
9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	81	2,3	9 Human immunodeficiency virus [HIV] disease (B20-B24)	44	2,2	9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	33	2,1
10 Tuberculosis (A15-A19)	64	1,8	10 Tuberculosis (A15-A19)	41	2,1	10 Congenital malformations of the circulatory system (Q20-Q28)	30	1,9
... Other causes	1 504	42,5	... Other causes	831	41,8	... Other causes	866	42,9
... All causes	3 541	100,0	... All causes	1 989	100,0	... All causes	1 552	100,0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	2 726	17,3	1 Tuberculosis (A15-A19)	1 604	16,0	1 Tuberculosis (A15-A19)	1 122	19,6
2 Human immunodeficiency virus [HIV] disease (B20-B24)	1 108	7,0	2 Human immunodeficiency virus [HIV] disease (B20-B24)	500	5,0	2 Human immunodeficiency virus [HIV] disease (B20-B24)	608	10,6
3 Certain disorders involving the immune mechanism (D80-D89)	445	2,8	3 Ischaemic heart diseases (I20-I25)	236	2,4	3 Certain disorders involving the immune mechanism (D80-D89)	280	4,9
4 Cerebrovascular diseases (I60-I69)	387	2,5	4 Cerebrovascular diseases (I60-I69)	214	2,1	4 Other viral diseases (B25-B34)	208	3,6
5 Influenza and pneumonia (J10-J18)	370	2,4	5 Chronic lower respiratory diseases (J40-J47)	204	2,0	5 Influenza and pneumonia (J10-J18)	191	3,3
6 Other viral diseases (B25-B34)	346	2,2	6 Influenza and pneumonia (J10-J18)	179	1,8	6 Cerebrovascular diseases (I60-I69)	173	3,0
7 Chronic lower respiratory diseases (J40-J47)	314	2,0	7 Certain disorders involving the immune mechanism (D80-D89)	165	1,7	7 Other forms of heart disease (I30-I52)	136	2,4
8 Ischaemic heart diseases (I20-I25)	306	1,9	8 Other forms of heart disease (I30-I52)	151	1,5	8 Intestinal infectious diseases (A00-A09)	131	2,3
9 Other forms of heart disease (I30-I52)	287	1,8	9 Malignant neoplasms of digestive organs (C15-C26)	148	1,5	9 Diabetes mellitus (E10-E14)	125	2,2
10 Diabetes mellitus (E10-E14)	240	1,5	10 Other viral diseases (B25-B34)	138	1,4	10 Chronic lower respiratory diseases (J40-J47)	110	1,9
... Other causes	9 192	58,5	... Other causes	6 461	64,6	... Other causes	2 637	46,1
... All causes	15 721	100,0	... All causes	10 000	100,0	... All causes	5 721	100,0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	771	8,7	1 Tuberculosis (A15-A19)	587	10,2	1 Diabetes mellitus (E10-E14)	461	13,1
2 Ischaemic heart diseases (I20-I25)	770	8,7	2 Ischaemic heart diseases (I20-I25)	566	9,9	2 Cerebrovascular diseases (I60-I69)	336	9,5
3 Diabetes mellitus (E10-E14)	768	8,6	3 Cerebrovascular diseases (I60-I69)	394	6,9	3 Ischaemic heart diseases (I20-I25)	243	6,9
4 Cerebrovascular diseases (I60-I69)	690	7,8	4 Chronic lower respiratory diseases (J40-J47)	390	6,8	4 Tuberculosis (A15-A19)	209	5,9
5 Chronic lower respiratory diseases (J40-J47)	569	6,4	5 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	383	6,7	5 Chronic lower respiratory diseases (J40-J47)	208	5,9
6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	491	5,5	6 Malignant neoplasms of digestive organs (C15-C26)	357	6,2	6 Malignant neoplasms of digestive organs (C15-C26)	163	4,6
7 Malignant neoplasms of digestive organs (C15-C26)	489	5,5	7 Diabetes mellitus (E10-E14)	340	5,9	7 Malignant neoplasms of breast (C50)	146	4,1
8 Other forms of heart disease (I30-I52)	318	3,6	8 Other forms of heart disease (I30-I52)	188	3,3	8 Other forms of heart disease (I30-I52)	141	4,0
9 Hypertensive diseases (I10-I15)	241	2,7	9 Hypertensive diseases (I10-I15)	141	2,5	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	139	3,9
10 Influenza and pneumonia (J10-J18)	177	2,0	10 Influenza and pneumonia (J10-J18)	109	1,9	10 Malignant neoplasms of female genital organs (C51-C58)	122	3,5
... Other causes	3 608	40,6	... Other causes	2 287	39,8	... Other causes	1 360	38,5
... All causes	8 892	100,0	... All causes	5 742	100,0	... All causes	3 528	100,0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	1 834	12,2	1 Ischaemic heart diseases (I20-I25)	885	12,5	1 Cerebrovascular diseases (I60-I69)	1 056	13,3
2 Ischaemic heart diseases (I20-I25)	1 718	11,4	2 Cerebrovascular diseases (I60-I69)	778	11,0	2 Diabetes mellitus (E10-E14)	893	11,2
3 Diabetes mellitus (E10-E14)	1 388	9,2	3 Chronic lower respiratory diseases (J40-J47)	565	8,0	3 Ischaemic heart diseases (I20-I25)	833	10,5
4 Other forms of heart disease (I30-I52)	1 065	7,1	4 Diabetes mellitus (E10-E14)	495	7,0	4 Other forms of heart disease (I30-I52)	654	8,2
5 Chronic lower respiratory diseases (J40-J47)	895	6,0	5 Other forms of heart disease (I30-I52)	411	5,8	5 Malignant neoplasms of digestive organs (C15-C26)	378	4,8
6 Malignant neoplasms of digestive organs (C15-C26)	787	5,2	6 Malignant neoplasms of digestive organs (C15-C26)	409	5,8	6 Hypertensive diseases (I10-I15)	372	4,7
7 Hypertensive diseases (I10-I15)	579	3,9	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	379	5,4	7 Chronic lower respiratory diseases (J40-J47)	330	4,2
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	570	3,8	8 Tuberculosis (A15-A19)	235	3,3	8 Influenza and pneumonia (J10-J18)	283	3,6
9 Influenza and pneumonia (J10-J18)	507	3,4	9 Malignant neoplasms of male genital organs (C60-C63)	227	3,2	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	191	2,4
10 Tuberculosis (A15-A19)	365	2,4	10 Influenza and pneumonia (J10-J18)	224	3,2	10 Malignant neoplasms of breast (C50)	169	2,1
... Other causes	5 318	35,4	... Other causes	2 472	34,9	... Other causes	2 787	35,1
... All causes	15 026	100,0	... All causes	7 080	100,0	... All causes	7 946	100,0

Excluding a total of 304 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 2002

Eastern Cape, both sexes, all ages		Eastern Cape, male, all ages		Eastern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	9 844	13,4	1 Tuberculosis (A15-A19)	5 402	14,8	1 Tuberculosis (A15-A19)	4 442	12,0
2 Influenza and pneumonia (J10-J18)	3 776	5,1	2 Chronic lower respiratory diseases (J40-J47)	2 043	5,6	2 Cerebrovascular diseases (I60-I69)	2 163	5,9
3 Cerebrovascular diseases (I60-I69)	3 706	5,0	3 Influenza and pneumonia (J10-J18)	1 684	4,6	3 Influenza and pneumonia (J10-J18)	2 092	5,7
4 Chronic lower respiratory diseases (J40-J47)	3 612	4,9	4 Cerebrovascular diseases (I60-I69)	1 543	4,2	4 Other forms of heart disease (I30-I52)	1 855	5,0
5 Other forms of heart disease (I30-I52)	3 305	4,5	5 Other forms of heart disease (I30-I52)	1 450	4,0	5 Chronic lower respiratory diseases (J40-J47)	1 569	4,2
6 Intestinal infectious diseases (A00-A09)	2 411	3,3	6 Malignant neoplasms of digestive organs (C15-C26)	1 019	2,8	6 Diabetes mellitus (E10-E14)	1 465	4,0
7 Diabetes mellitus (E10-E14)	2 329	3,2	7 Intestinal infectious diseases (A00-A09)	998	2,7	7 Intestinal infectious diseases (A00-A09)	1 413	3,8
8 Malignant neoplasms of digestive organs (C15-C26)	1 864	2,5	8 Diabetes mellitus (E10-E14)	864	2,4	8 Hypertensive diseases (I10-I15)	1 165	3,2
9 Hypertensive diseases (I10-I15)	1 758	2,4	9 Ischaemic heart diseases (I20-I25)	649	1,8	9 Certain disorders involving the immune mechanism (D80-D89)	910	2,5
10 Certain disorders involving the immune mechanism (D80-D89)	1 481	2,0	10 Hypertensive diseases (I10-I15)	593	1,6	10 Human immunodeficiency virus [HIV] disease (B20-B24)	889	2,4
... Other causes	39 464	53,7	... Other causes	20 367	55,6	... Other causes	18 975	51,4
... All causes	73 550	100,0	... All causes	36 612	100,0	... All causes	36 938	100,0
Eastern Cape, both sexes, 0-14 years		Eastern Cape, male, 0-14 years		Eastern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	911	17,0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	481	16,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	430	17,3
2 Digestive system disorders of foetus and newborn (P75-P78)	626	11,7	2 Digestive system disorders of foetus and newborn (P75-P78)	345	12,0	2 Digestive system disorders of foetus and newborn (P75-P78)	281	11,3
3 Intestinal infectious diseases (A00-A09)	310	5,8	3 Intestinal infectious diseases (A00-A09)	173	6,0	3 Other disorders originating in the perinatal period (P90-P96)	151	6,1
4 Other disorders originating in the perinatal period (P90-P96)	277	5,2	4 Other disorders originating in the perinatal period (P90-P96)	126	4,4	4 Intestinal infectious diseases (A00-A09)	137	5,5
5 Certain disorders involving the immune mechanism (D80-D89)	195	3,6	5 Influenza and pneumonia (J10-J18)	99	3,4	5 Certain disorders involving the immune mechanism (D80-D89)	100	4,0
6 Influenza and pneumonia (J10-J18)	182	3,4	6 Tuberculosis (A15-A19)	95	3,3	6 Influenza and pneumonia (J10-J18)	83	3,3
7 Tuberculosis (A15-A19)	174	3,2	7 Certain disorders involving the immune mechanism (D80-D89)	95	3,3	7 Tuberculosis (A15-A19)	79	3,2
8 Infections specific to the perinatal period (P35-P39)	153	2,9	8 Infections specific to the perinatal period (P35-P39)	89	3,1	8 Disorders related to length of gestation and foetal growth (P05-P08)	65	2,6
9 Disorders related to length of gestation and foetal growth (P05-P08)	132	2,5	9 Disorders related to length of gestation and foetal growth (P05-P08)	67	2,3	9 Infections specific to the perinatal period (P35-P39)	64	2,6
10 Malnutrition (E40-E46)	126	2,3	10 Malnutrition (E40-E46)	66	2,3	10 Malnutrition (E40-E46)	60	2,4
... Other causes	2 280	42,5	... Other causes	1 250	43,3	... Other causes	1 030	41,5
... All causes	5 366	100,0	... All causes	2 886	100,0	... All causes	2 480	100,0
Eastern Cape, both sexes, 15-49 years		Eastern Cape, male, 15-49 years		Eastern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	6 674	20,8	1 Tuberculosis (A15-A19)	3 413	21,2	1 Tuberculosis (A15-A19)	3 261	20,4
2 Influenza and pneumonia (J10-J18)	2 051	6,4	2 Influenza and pneumonia (J10-J18)	817	5,1	2 Influenza and pneumonia (J10-J18)	1 234	7,7
3 Intestinal infectious diseases (A00-A09)	1 375	4,3	3 Intestinal infectious diseases (A00-A09)	510	3,2	3 Intestinal infectious diseases (A00-A09)	865	5,4
4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 236	3,9	4 Human immunodeficiency virus [HIV] disease (B20-B24)	444	2,8	4 Human immunodeficiency virus [HIV] disease (B20-B24)	792	5,0
5 Certain disorders involving the immune mechanism (D80-D89)	1 182	3,7	5 Certain disorders involving the immune mechanism (D80-D89)	429	2,7	5 Certain disorders involving the immune mechanism (D80-D89)	753	4,7
6 Chronic lower respiratory diseases (J40-J47)	759	2,4	6 Chronic lower respiratory diseases (J40-J47)	409	2,5	6 Other viral diseases (B25-B34)	454	2,8
7 Other viral diseases (B25-B34)	731	2,3	7 Other forms of heart disease (I30-I52)	364	2,3	7 Other forms of heart disease (I30-I52)	363	2,3
8 Other forms of heart disease (I30-I52)	727	2,3	8 Cerebrovascular diseases (I60-I69)	298	1,9	8 Chronic lower respiratory diseases (J40-J47)	350	2,2
9 Cerebrovascular diseases (I60-I69)	583	1,8	9 Episodic and paroxysmal disorders (G40-G47)	292	1,8	9 Cerebrovascular diseases (I60-I69)	285	1,8
10 Episodic and paroxysmal disorders (G40-G47)	519	1,6	10 Other viral diseases (B25-B34)	277	1,7	10 Inflammatory diseases of the central nervous system (G00-G09)	275	1,7
... Other causes	16 212	50,6	... Other causes	8 841	54,9	... Other causes	7 323	45,9
... All causes	32 049	100,0	... All causes	16 094	100,0	... All causes	15 955	100,0
Eastern Cape, both sexes, 50-64 years		Eastern Cape, male, 50-64 years		Eastern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 760	13,1	1 Tuberculosis (A15-A19)	1 199	15,5	1 Tuberculosis (A15-A19)	561	9,8
2 Chronic lower respiratory diseases (J40-J47)	956	7,1	2 Chronic lower respiratory diseases (J40-J47)	627	8,1	2 Cerebrovascular diseases (I60-I69)	496	8,6
3 Cerebrovascular diseases (I60-I69)	952	7,1	3 Cerebrovascular diseases (I60-I69)	456	5,9	3 Diabetes mellitus (E10-E14)	462	8,1
4 Diabetes mellitus (E10-E14)	778	5,8	4 Other forms of heart disease (I30-I52)	374	4,8	4 Other forms of heart disease (I30-I52)	332	5,8
5 Other forms of heart disease (I30-I52)	706	5,2	5 Malignant neoplasms of digestive organs (C15-C26)	349	4,5	5 Chronic lower respiratory diseases (J40-J47)	329	5,7
6 Malignant neoplasms of digestive organs (C15-C26)	586	4,3	6 Diabetes mellitus (E10-E14)	316	4,1	6 Hypertensive diseases (I10-I15)	269	4,7
7 Influenza and pneumonia (J10-J18)	524	3,9	7 Influenza and pneumonia (J10-J18)	300	3,9	7 Malignant neoplasms of digestive organs (C15-C26)	237	4,1
8 Hypertensive diseases (I10-I15)	439	3,3	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	213	2,8	8 Influenza and pneumonia (J10-J18)	224	3,9
9 Ischaemic heart diseases (I20-I25)	313	2,3	9 Ischaemic heart diseases (I20-I25)	210	2,7	9 Malignant neoplasms of female genital organs (C51-C58)	186	3,2
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	298	2,2	10 Hypertensive diseases (I10-I15)	170	2,2	10 Intestinal infectious diseases (A00-A09)	138	2,4
... Other causes	6 165	45,7	... Other causes	3 524	45,5	... Other causes	2 505	43,6
... All causes	13 477	100,0	... All causes	7 738	100,0	... All causes	5 739	100,0
Eastern Cape, both sexes, 65 years and above		Eastern Cape, male, 65 years and above		Eastern Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	2 151	9,5	1 Chronic lower respiratory diseases (J40-J47)	990	10,0	1 Cerebrovascular diseases (I60-I69)	1 371	10,7
2 Chronic lower respiratory diseases (J40-J47)	1 867	8,2	2 Cerebrovascular diseases (I60-I69)	780	7,9	2 Other forms of heart disease (I30-I52)	1 140	8,9
3 Other forms of heart disease (I30-I52)	1 823	8,0	3 Tuberculosis (A15-A19)	695	7,0	3 Chronic lower respiratory diseases (J40-J47)	877	6,9
4 Diabetes mellitus (E10-E14)	1 242	5,5	4 Other forms of heart disease (I30-I52)	683	6,9	4 Diabetes mellitus (E10-E14)	830	6,5
5 Tuberculosis (A15-A19)	1 236	5,5	5 Malignant neoplasms of digestive organs (C15-C26)	496	5,0	5 Hypertensive diseases (I10-I15)	752	5,9
6 Hypertensive diseases (I10-I15)	1 071	4,7	6 Influenza and pneumonia (J10-J18)	468	4,7	6 Influenza and pneumonia (J10-J18)	551	4,3
7 Influenza and pneumonia (J10-J18)	1 019	4,5	7 Diabetes mellitus (E10-E14)	412	4,2	7 Tuberculosis (A15-A19)	541	4,2
8 Malignant neoplasms of digestive organs (C15-C26)	971	4,3	8 Hypertensive diseases (I10-I15)	319	3,2	8 Malignant neoplasms of digestive organs (C15-C26)	475	3,7
9 Ischaemic heart diseases (I20-I25)	691	3,0	9 Ischaemic heart diseases (I20-I25)	312	3,2	9 Ischaemic heart diseases (I20-I25)	379	3,0
10 Intestinal infectious diseases (A00-A09)	435	1,9	10 Malignant neoplasms of male genital organs (C60-C63)	247	2,5	10 Intestinal infectious diseases (A00-A09)	273	2,1
... Other causes	10 152	44,8	... Other causes	4 492	45,4	... Other causes	5 575	43,7
... All causes	22 658	100,0	... All causes	9 894	100,0	... All causes	12 764	100,0

Excluding a total of 581 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 2002

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	1 355	12,2	1 Tuberculosis (A15-A19)	766	13,1	1 Tuberculosis (A15-A19)	589	11,1
2 Cerebrovascular diseases (I60-I69)	701	6,3	2 Influenza and pneumonia (J10-J18)	324	5,5	2 Cerebrovascular diseases (I60-I69)	379	7,2
3 Influenza and pneumonia (J10-J18)	698	6,3	3 Cerebrovascular diseases (I60-I69)	322	5,5	3 Influenza and pneumonia (J10-J18)	374	7,1
4 Other forms of heart disease (I30-I52)	528	4,7	4 Chronic lower respiratory diseases (J40-J47)	291	5,0	4 Other forms of heart disease (I30-I52)	282	5,3
5 Chronic lower respiratory diseases (J40-J47)	452	4,1	5 Other forms of heart disease (I30-I52)	246	4,2	5 Human immunodeficiency virus [HIV] disease (B20-B24)	202	3,8
6 Ischaemic heart diseases (I20-I25)	432	3,9	6 Ischaemic heart diseases (I20-I25)	245	4,2	6 Intestinal infectious diseases (A00-A09)	196	3,7
7 Human immunodeficiency virus [HIV] disease (B20-B24)	354	3,2	7 Malignant neoplasms of digestive organs (C15-C26)	175	3,0	7 Diabetes mellitus (E10-E14)	188	3,6
8 Intestinal infectious diseases (A00-A09)	336	3,0	8 Human immunodeficiency virus [HIV] disease (B20-B24)	152	2,6	8 Ischaemic heart diseases (I20-I25)	187	3,5
9 Diabetes mellitus (E10-E14)	297	2,7	9 Intestinal infectious diseases (A00-A09)	140	2,4	9 Chronic lower respiratory diseases (J40-J47)	161	3,0
10 Malignant neoplasms of digestive organs (C15-C26)	286	2,6	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	136	2,3	10 Hypertensive diseases (I10-I15)	143	2,7
... Other causes	5 711	51,2	... Other causes	3 061	52,3	... Other causes	2 591	49,0
... All causes	11 150	100,0	... All causes	5 858	100,0	... All causes	5 292	100,0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	250	20,9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	136	20,4	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	114	21,6
2 Digestive system disorders of foetus and newborn (P75-P78)	176	14,7	2 Digestive system disorders of foetus and newborn (P75-P78)	98	14,7	2 Digestive system disorders of foetus and newborn (P75-P78)	78	14,7
3 Intestinal infectious diseases (A00-A09)	83	6,9	3 Intestinal infectious diseases (A00-A09)	47	7,1	3 Intestinal infectious diseases (A00-A09)	36	6,8
4 Disorders related to length of gestation and foetal growth (P05-P08)	71	5,9	4 Disorders related to length of gestation and foetal growth (P05-P08)	39	5,9	4 Disorders related to length of gestation and foetal growth (P05-P08)	32	6,0
5 Other disorders originating in the perinatal period (P90-P96)	48	4,0	5 Infections specific to the perinatal period (P35-P39)	29	4,4	5 Tuberculosis (A15-A19)	21	4,0
6 Infections specific to the perinatal period (P35-P39)	46	3,8	6 Other disorders originating in the perinatal period (P90-P96)	27	4,1	6 Other disorders originating in the perinatal period (P90-P96)	21	4,0
7 Tuberculosis (A15-A19)	39	3,3	7 Influenza and pneumonia (J10-J18)	22	3,3	7 Malnutrition (E40-E46)	17	3,2
8 Malnutrition (E40-E46)	38	3,2	8 Malnutrition (E40-E46)	21	3,2	8 Infections specific to the perinatal period (P35-P39)	17	3,2
9 Influenza and pneumonia (J10-J18)	37	3,1	9 Tuberculosis (A15-A19)	18	2,7	9 Influenza and pneumonia (J10-J18)	15	2,8
10 Human immunodeficiency virus [HIV] disease (B20-B24)	29	2,4	10 Inflammatory diseases of the central nervous system (G00-G09)	15	2,3	10 Human immunodeficiency virus [HIV] disease (B20-B24)	14	2,6
... Other causes	378	31,6	... Other causes	214	32,1	... Other causes	164	31,0
... All causes	1 195	100,0	... All causes	666	100,0	... All causes	529	100,0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	980	21,0	1 Tuberculosis (A15-A19)	525	21,7	1 Tuberculosis (A15-A19)	455	20,2
2 Influenza and pneumonia (J10-J18)	408	8,7	2 Influenza and pneumonia (J10-J18)	167	6,9	2 Influenza and pneumonia (J10-J18)	241	10,7
3 Human immunodeficiency virus [HIV] disease (B20-B24)	299	6,4	3 Human immunodeficiency virus [HIV] disease (B20-B24)	120	5,0	3 Human immunodeficiency virus [HIV] disease (B20-B24)	179	8,0
4 Certain disorders involving the immune mechanism (D80-D89)	204	4,4	4 Certain disorders involving the immune mechanism (D80-D89)	88	3,6	4 Certain disorders involving the immune mechanism (D80-D89)	116	5,2
5 Intestinal infectious diseases (A00-A09)	155	3,3	5 Other forms of heart disease (I30-I52)	77	3,2	5 Other viral diseases (B25-B34)	105	4,7
6 Cerebrovascular diseases (I60-I69)	147	3,2	6 Cerebrovascular diseases (I60-I69)	72	3,0	6 Intestinal infectious diseases (A00-A09)	103	4,6
7 Other viral diseases (B25-B34)	140	3,0	7 Chronic lower respiratory diseases (J40-J47)	54	2,2	7 Cerebrovascular diseases (I60-I69)	75	3,3
8 Other forms of heart disease (I30-I52)	131	2,8	8 Intestinal infectious diseases (A00-A09)	52	2,2	8 Other forms of heart disease (I30-I52)	54	2,4
9 Chronic lower respiratory diseases (J40-J47)	85	1,8	9 Episodic and paroxysmal disorders (G40-G47)	39	1,6	9 Inflammatory diseases of the central nervous system (G00-G09)	38	1,7
10 Diseases of liver (K70-K77)	70	1,5	10 Diseases of liver (K70-K77)	38	1,6	10 Malignant neoplasms of female genital organs (C51-C58)	34	1,5
... Other causes	2 044	43,8	... Other causes	1 183	49,0	... Other causes	848	37,7
... All causes	4 663	100,0	... All causes	2 415	100,0	... All causes	2 248	100,0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	228	10,6	1 Tuberculosis (A15-A19)	146	11,5	1 Tuberculosis (A15-A19)	82	9,3
2 Cerebrovascular diseases (I60-I69)	179	8,3	2 Chronic lower respiratory diseases (J40-J47)	105	8,2	2 Cerebrovascular diseases (I60-I69)	79	8,9
3 Chronic lower respiratory diseases (J40-J47)	160	7,4	3 Cerebrovascular diseases (I60-I69)	100	7,9	3 Diabetes mellitus (E10-E14)	64	7,2
4 Ischaemic heart diseases (I20-I25)	133	6,2	4 Ischaemic heart diseases (I20-I25)	86	6,8	4 Other forms of heart disease (I30-I52)	62	7,0
5 Other forms of heart disease (I30-I52)	121	5,6	5 Malignant neoplasms of digestive organs (C15-C26)	64	5,0	5 Chronic lower respiratory diseases (J40-J47)	55	6,2
6 Influenza and pneumonia (J10-J18)	106	4,9	6 Influenza and pneumonia (J10-J18)	62	4,9	6 Ischaemic heart diseases (I20-I25)	47	5,3
7 Malignant neoplasms of digestive organs (C15-C26)	100	4,6	7 Other forms of heart disease (I30-I52)	59	4,6	7 Influenza and pneumonia (J10-J18)	44	5,0
8 Diabetes mellitus (E10-E14)	99	4,6	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	48	3,8	8 Malignant neoplasms of female genital organs (C51-C58)	43	4,9
9 Hypertensive diseases (I10-I15)	75	3,5	9 Hypertensive diseases (I10-I15)	44	3,5	9 Malignant neoplasms of digestive organs (C15-C26)	36	4,1
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	68	3,2	10 Diabetes mellitus (E10-E14)	35	2,7	10 Hypertensive diseases (I10-I15)	31	3,5
... Other causes	889	41,2	... Other causes	524	41,2	... Other causes	342	38,6
... All causes	2 158	100,0	... All causes	1 273	100,0	... All causes	885	100,0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	366	11,7	1 Cerebrovascular diseases (I60-I69)	142	9,4	1 Cerebrovascular diseases (I60-I69)	224	13,7
2 Other forms of heart disease (I30-I52)	263	8,4	2 Ischaemic heart diseases (I20-I25)	131	8,7	2 Other forms of heart disease (I30-I52)	159	9,8
3 Ischaemic heart diseases (I20-I25)	264	8,4	3 Chronic lower respiratory diseases (J40-J47)	131	8,7	3 Ischaemic heart diseases (I20-I25)	123	7,5
4 Chronic lower respiratory diseases (J40-J47)	206	6,6	4 Other forms of heart disease (I30-I52)	104	6,9	4 Diabetes mellitus (E10-E14)	103	6,3
5 Diabetes mellitus (E10-E14)	160	5,1	5 Malignant neoplasms of digestive organs (C15-C26)	88	5,9	5 Hypertensive diseases (I10-I15)	98	6,0
6 Hypertensive diseases (I10-I15)	159	5,1	6 Tuberculosis (A15-A19)	77	5,1	6 Chronic lower respiratory diseases (J40-J47)	75	4,6
7 Influenza and pneumonia (J10-J18)	147	4,7	7 Influenza and pneumonia (J10-J18)	73	4,9	7 Influenza and pneumonia (J10-J18)	74	4,5
8 Malignant neoplasms of digestive organs (C15-C26)	147	4,7	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	62	4,1	8 Malignant neoplasms of digestive organs (C15-C26)	59	3,6
9 Tuberculosis (A15-A19)	108	3,4	9 Hypertensive diseases (I10-I15)	61	4,1	9 Intestinal infectious diseases (A00-A09)	39	2,4
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	79	2,5	10 Malignant neoplasms of male genital organs (C60-C63)	58	3,9	10 Malignant neoplasms of female genital organs (C51-C58)	36	2,2
... Other causes	1 245	39,7	... Other causes	577	38,4	... Other causes	640	39,3
... All causes	3 134	100,0	... All causes	1 504	100,0	... All causes	1 630	100,0

Excluding a total of 80 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 2002

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages				
No.	%	No.	%	No.	%			
1 Influenza and pneumonia (J10-J18)	5 408	13,3	1 Tuberculosis (A15-A19)	2 780	13,5	1 Influenza and pneumonia (J10-J18)	2 861	14,3
2 Tuberculosis (A15-A19)	4 982	12,3	2 Influenza and pneumonia (J10-J18)	2 547	12,4	2 Tuberculosis (A15-A19)	2 202	11,0
3 Other forms of heart disease (I30-I52)	2 099	5,2	3 Other forms of heart disease (I30-I52)	884	4,3	3 Other forms of heart disease (I30-I52)	1 215	6,1
4 Intestinal infectious diseases (A00-A09)	1 906	4,7	4 Cerebrovascular diseases (I60-I69)	801	3,9	4 Intestinal infectious diseases (A00-A09)	1 125	5,6
5 Cerebrovascular diseases (I60-I69)	1 873	4,6	5 Certain disorders involving the immune mechanism (D80-D89)	800	3,9	5 Cerebrovascular diseases (I60-I69)	1 072	5,3
6 Certain disorders involving the immune mechanism (D80-D89)	1 760	4,3	6 Intestinal infectious diseases (A00-A09)	781	3,8	6 Certain disorders involving the immune mechanism (D80-D89)	960	4,8
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 322	3,3	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	686	3,3	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	636	3,2
8 Chronic lower respiratory diseases (J40-J47)	922	2,3	8 Chronic lower respiratory diseases (J40-J47)	571	2,8	8 Diabetes mellitus (E10-E14)	494	2,5
9 Diabetes mellitus (E10-E14)	873	2,1	9 Human immunodeficiency virus [HIV] disease (B20-B24)	410	2,0	9 Hypertensive diseases (I10-I15)	476	2,4
10 Human immunodeficiency virus [HIV] disease (B20-B24)	797	2,0	10 Diabetes mellitus (E10-E14)	379	1,8	10 Human immunodeficiency virus [HIV] disease (B20-B24)	387	1,9
... Other causes	18 713	46,0	... Other causes	9 974	48,4	... Other causes	8 614	43,0
... All causes	40 655	100,0	... All causes	20 613	100,0	... All causes	20 042	100,0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 322	25,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	686	24,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20 - P29)	636	26,1
2 Digestive system disorders of foetus and newborn (P75-P78)	712	13,6	2 Digestive system disorders of foetus and newborn (P75-P78)	378	13,6	2 Digestive system disorders of foetus and newborn (P75 - P78)	334	13,7
3 Other disorders originating in the perinatal period (P90-P96)	394	7,5	3 Other disorders originating in the perinatal period (P90-P96)	199	7,2	3 Other disorders originating in the perinatal period (P90 - P96)	195	8,0
4 Intestinal infectious diseases (A00-A09)	301	5,8	4 Intestinal infectious diseases (A00-A09)	153	5,5	4 Intestinal infectious diseases (A00-A09)	148	6,1
5 Influenza and pneumonia (J10-J18)	276	5,3	5 Disorders related to length of gestation and foetal growth (P05-P08)	134	4,8	5 Influenza and pneumonia (J10 - J18)	148	6,1
6 Disorders related to length of gestation and foetal growth (P05-P08)	231	4,4	6 Malnutrition (E40-E46)	131	4,7	6 Disorders related to length of gestation and foetal growth (P05 - P08)	97	4,0
7 Malnutrition (E40-E46)	227	4,3	7 Influenza and pneumonia (J10-J18)	128	4,6	7 Malnutrition (E40 - E46)	96	3,9
8 Infections specific to the perinatal period (P35-P39)	148	2,8	8 Infections specific to the perinatal period (P35-P39)	83	3,0	8 Infections specific to the perinatal period (P35 - P39)	65	2,7
9 Certain disorders involving the immune mechanism (D80-D89)	132	2,5	9 Certain disorders involving the immune mechanism (D80-D89)	78	2,8	9 Certain disorders involving the immune mechanism (D80 - D89)	54	2,2
10 Tuberculosis (A15-A19)	95	1,8	10 Tuberculosis (A15-A19)	51	1,8	10 Tuberculosis (A15-A19)	44	1,8
... Other causes	1 982	26,5	... Other causes	780	27,3	... Other causes	622	25,5
... All causes	5 220	100,0	... All causes	2 781	100,0	... All causes	2 439	100,0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 044	19,8	1 Tuberculosis (A15-A19)	2 137	20,9	1 Influenza and pneumonia (J10 - J18)	2 076	20,3
2 Influenza and pneumonia (J10-J18)	3 727	18,2	2 Influenza and pneumonia (J10-J18)	1 651	16,1	2 Tuberculosis (A15-A19)	1 907	18,6
3 Certain disorders involving the immune mechanism (D80-D89)	1 467	7,2	3 Certain disorders involving the immune mechanism (D80-D89)	631	6,2	3 Certain disorders involving the immune mechanism (D80 - D89)	836	8,2
4 Intestinal infectious diseases (A00-A09)	1 170	5,7	4 Intestinal infectious diseases (A00-A09)	436	4,3	4 Intestinal infectious diseases (A00-A09)	734	7,2
5 Human immunodeficiency virus [HIV] disease (B20-B24)	687	3,4	5 Human immunodeficiency virus [HIV] disease (B20-B24)	348	3,4	5 Human immunodeficiency virus [HIV] diseases (B20 - B24)	339	3,3
6 Other forms of heart disease (I30-I52)	551	2,7	6 Other forms of heart disease (I30-I52)	234	2,3	6 Other forms of heart diseases (I30 - I52)	317	3,1
7 Cerebrovascular diseases (I60-I69)	387	1,9	7 Cerebrovascular diseases (I60-I69)	189	1,8	7 Cerebrovascular diseases (I60 - I69)	198	1,9
8 Inflammatory diseases of the central nervous system (G00-G09)	356	1,7	8 Inflammatory diseases of the central nervous system (G00-G09)	159	1,6	8 Inflammatory diseases of the central nervous system (G00 - G09)	197	1,9
9 Metabolic disorders (E70-E88)	224	1,1	9 Chronic lower respiratory diseases (J40-J47)	122	1,2	9 Aplastic and other anaemias (D60 - D64)	127	1,2
10 Chronic lower respiratory diseases (J40-J47)	208	1,0	10 Metabolic disorders (E70-E88)	102	1,0	10 Metabolic disorders (E70 - E88)	122	1,2
... Other causes	7 639	37,3	... Other causes	4 216	41,2	... Other causes	3 382	33,0
... All causes	20 460	100,0	... All causes	10 225	100,0	... All causes	10 235	100,0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years				
1 Influenza and pneumonia (J10-J18)	681	10,5	1 Tuberculosis (A15-A19)	479	12,4	1 Influenza and pneumonia (J10 - J18)	261	10,0
2 Tuberculosis (A15-A19)	668	10,3	2 Influenza and pneumonia (J10-J18)	420	10,9	2 Cerebrovascular diseases (I60 - I69)	243	9,4
3 Cerebrovascular diseases (I60-I69)	507	7,8	3 Cerebrovascular diseases (I60-I69)	264	6,8	3 Other forms of heart diseases (I30 - I52)	235	9,0
4 Other forms of heart disease (I30-I52)	470	7,3	4 Other forms of heart disease (I30-I52)	235	6,1	4 Tuberculosis (A15-A19)	189	7,3
5 Diabetes mellitus (E10-E14)	288	4,5	5 Chronic lower respiratory diseases (J40-J47)	177	4,6	5 Diabetes mellitus (E10 - E14)	157	6,0
6 Chronic lower respiratory diseases (J40-J47)	268	4,1	6 Malignant neoplasms of digestive organs (C15-C26)	153	4,0	6 Hypertensive diseases (I10 - I15)	116	4,5
7 Malignant neoplasms of digestive organs (C15-C26)	233	3,6	7 Diabetes mellitus (E10-E14)	131	3,4	7 Malignant neoplasms of female genital organs (C51 - C58)	102	3,9
8 Intestinal infectious diseases (A00-A09)	192	3,0	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	116	3,0	8 Intestinal infectious diseases (A00-A09)	92	3,5
9 Hypertensive diseases (I10-I15)	190	2,9	9 Ischaemic heart diseases (I20-I25)	112	2,9	9 Chronic lower respiratory diseases (J40 - J47)	91	3,5
10 Ischaemic heart diseases (I20-I25)	178	2,8	10 Intestinal infectious diseases (A00-A09)	100	2,6	10 Malignant neoplasms of digestive organs (C15 - C26)	80	3,1
... Other causes	2 786	43,1	... Other causes	1 676	43,4	... Other causes	1 032	39,7
... All causes	6 461	100,0	... All causes	3 863	100,0	... All causes	2 598	100,0
Free State, both sexes, 65 years and above		Free State, male, 65 years and above		Free State, female, 65 years and above				
1 Other forms of heart diseases (I30 - I52)	1 054	12,4	1 Other forms of heart diseases (I30 - I52)	402	10,7	1 Other forms of heart diseases (I30 - I52)	652	13,7
2 Cerebrovascular diseases (I60 - I69)	970	11,4	2 Influenza and pneumonia (J10 - J18)	348	9,3	2 Cerebrovascular diseases (I60 - I69)	625	13,1
3 Influenza and pneumonia (J10 - J18)	724	8,5	3 Cerebrovascular diseases (I60 - I69)	345	9,2	3 Influenza and pneumonia (J10 - J18)	376	7,9
4 Diabetes mellitus (E10 - E14)	442	5,2	4 Chronic lower respiratory diseases (J40 - J47)	265	7,1	4 Hypertensive diseases (I10 - I15)	293	6,1
5 Chronic lower respiratory diseases (J40 - J47)	436	5,1	5 Ischaemic heart diseases (I20 - I25)	186	5,0	5 Diabetes mellitus (E10 - E14)	264	5,5
6 Hypertensive diseases (I10 - I15)	435	5,1	6 Diabetes mellitus (E10 - E14)	178	4,8	6 Ischaemic heart diseases (I20 - I25)	184	3,9
7 Ischaemic heart diseases (I20 - I25)	370	4,3	7 Hypertensive diseases (I10 - I15)	142	3,8	7 Chronic lower respiratory diseases (J40 - J47)	171	3,6
8 Intestinal infectious diseases (A00-A09)	243	2,9	8 Malignant neoplasms of digestive organs (C15 - C26)	132	3,5	8 Intestinal infectious diseases (A00-A09)	151	3,2
9 Malignant neoplasms of digestive organs (C15 - C26)	220	2,6	9 Tuberculosis (A15-A19)	113	3,0	9 Malignant neoplasms of female genital organs (C51 - C58)	94	2,0
10 Tuberculosis (A15-A19)	175	2,1	10 Intestinal infectious diseases (A00-A09)	92	2,5	10 Malignant neoplasms of digestive organs (C15 - C26)	88	1,8
... Other causes	3 445	40,5	... Other causes	1 541	41,2	... Other causes	1 872	39,2
... All causes	8 514	100,0	... All causes	3 744	100,0	... All causes	4 770	100,0

Excluding a total of 182 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 2002

KwaZulu-Natal, both sexes, all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	18 241	15,7	1 Tuberculosis (A15-A19)	9 672	16,8	1 Tuberculosis (A15-A19)	8 569	14,7
2 Influenza and pneumonia (J10-J18)	7 793	6,7	2 Influenza and pneumonia (J10-J18)	3 499	6,1	2 Influenza and pneumonia (J10-J18)	4 294	7,4
3 Cerebrovascular diseases (I60-I69)	5 875	5,1	3 Intestinal infectious diseases (A00-A09)	2 348	4,1	3 Cerebrovascular diseases (I60-I69)	3 542	6,1
4 Intestinal infectious diseases (A00-A09)	5 388	4,6	4 Cerebrovascular diseases (I60-I69)	2 333	4,0	4 Intestinal infectious diseases (A00-A09)	3 040	5,2
5 Other forms of heart disease (I30-I52)	4 448	3,8	5 Other forms of heart disease (I30-I52)	1 940	3,4	5 Diabetes mellitus (E10-E14)	2 531	4,3
6 Diabetes mellitus (E10-E14)	3 997	3,4	6 Chronic lower respiratory diseases (J40-J47)	1 623	2,8	6 Other forms of heart disease (I30-I52)	2 508	4,3
7 Chronic lower respiratory diseases (J40-J47)	2 756	2,4	7 Diabetes mellitus (E10-E14)	1 466	2,5	7 Hypertensive diseases (I10-I15)	1 379	2,4
8 Ischaemic heart diseases (I20-I25)	2 579	2,2	8 Ischaemic heart diseases (I20-I25)	1 443	2,5	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 228	2,1
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 504	2,2	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 276	2,2	9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 204	2,1
10 Hypertensive diseases (I10-I15)	2 168	1,9	10 Human immunodeficiency virus [HIV] disease (B20-B24)	961	1,7	10 Certain disorders involving the immune mechanism (D80-D89)	1 162	2,0
... Other causes	60 231	51,9	... Other causes	31 167	54,0	... Other causes	28 795	49,4
... All causes	115 980	100,0	... All causes	57 728	100,0	... All causes	58 252	100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 504	19,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 276	18,8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 228	20,2
2 Digestive system disorders of foetus and newborn (P75-P78)	1 631	12,7	2 Digestive system disorders of foetus and newborn (P75-P78)	835	12,3	2 Digestive system disorders of foetus and newborn (P75-P78)	796	13,1
3 Intestinal infectious diseases (A00-A09)	819	6,4	3 Intestinal infectious diseases (A00-A09)	422	6,2	3 Intestinal infectious diseases (A00-A09)	397	6,5
4 Other disorders originating in the perinatal period (P90-P96)	789	6,1	4 Other disorders originating in the perinatal period (P90-P96)	410	6,0	4 Other disorders originating in the perinatal period (P90-P96)	379	6,2
5 Influenza and pneumonia (J10-J18)	536	4,2	5 Influenza and pneumonia (J10-J18)	280	4,1	5 Influenza and pneumonia (J10-J18)	256	4,2
6 Tuberculosis (A15-A19)	474	3,7	6 Tuberculosis (A15-A19)	277	4,1	6 Disorders related to length of gestation and foetal growth (P05-P08)	222	3,7
7 Disorders related to length of gestation and foetal growth (P05-P08)	466	3,6	7 Infections specific to the perinatal period (P35-P39)	265	3,9	7 Malnutrition (E40-E46)	208	3,4
8 Infections specific to the perinatal period (P35-P39)	457	3,6	8 Disorders related to length of gestation and foetal growth (P05-P08)	244	3,6	8 Tuberculosis (A15-A19)	197	3,2
9 Malnutrition (E40-E46)	408	3,2	9 Malnutrition (E40-E46)	200	2,9	9 Infections specific to the perinatal period (P35-P39)	192	3,2
10 Certain disorders involving the immune mechanism (D80-D89)	279	2,2	10 Certain disorders involving the immune mechanism (D80-D89)	140	2,1	10 Certain disorders involving the immune mechanism (D80-D89)	139	2,3
... Other causes	4 488	34,9	... Other causes	2 432	35,9	... Other causes	2 056	33,9
... All causes	12 851	100,0	... All causes	6 781	100,0	... All causes	6 070	100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years				
1 Tuberculosis (A15-A19)	14 744	24,7	1 Tuberculosis (A15-A19)	7 400	24,5	1 Tuberculosis (A15-A19)	7 344	24,9
2 Influenza and pneumonia (J10-J18)	5 244	8,8	2 Influenza and pneumonia (J10-J18)	2 212	7,3	2 Influenza and pneumonia (J10-J18)	3 032	10,3
3 Intestinal infectious diseases (A00-A09)	3 259	5,5	3 Intestinal infectious diseases (A00-A09)	1 334	4,4	3 Intestinal infectious diseases (A00-A09)	1 925	6,5
4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 812	3,0	4 Human immunodeficiency virus [HIV] disease (B20-B24)	784	2,6	4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 028	3,5
5 Certain disorders involving the immune mechanism (D80-D89)	1 653	2,8	5 Certain disorders involving the immune mechanism (D80-D89)	698	2,3	5 Certain disorders involving the immune mechanism (D80-D89)	955	3,2
6 Inflammatory diseases of the central nervous system (G00-G09)	1 212	2,0	6 Cerebrovascular diseases (I60-I69)	554	1,8	6 Other viral diseases (B25-B34)	694	2,4
7 Other viral diseases (B25-B34)	1 204	2,0	7 Inflammatory diseases of the central nervous system (G00-G09)	534	1,8	7 Inflammatory diseases of the central nervous system (G00-G09)	678	2,3
8 Other forms of heart disease (I30-I52)	1 156	1,9	8 Other viral diseases (B25-B34)	510	1,7	8 Other forms of heart disease (I30-I52)	649	2,2
9 Cerebrovascular diseases (I60-I69)	1 130	1,9	9 Other forms of heart disease (I30-I52)	507	1,7	9 Cerebrovascular diseases (I60-I69)	576	2,0
10 Chronic lower respiratory diseases (J40-J47)	832	1,4	10 Chronic lower respiratory diseases (J40-J47)	432	1,4	10 Protozoal diseases (B50-B64)	497	1,7
... Other causes	27 476	46,0	... Other causes	15 287	50,5	... Other causes	12 092	41,0
... All causes	59 722	100,0	... All causes	30 252	100,0	... All causes	29 470	100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years				
1 Tuberculosis (A15-A19)	2 202	12,2	1 Tuberculosis (A15-A19)	1 508	14,1	1 Diabetes mellitus (E10-E14)	811	11,0
2 Cerebrovascular diseases (I60-I69)	1 495	8,3	2 Cerebrovascular diseases (I60-I69)	772	7,2	2 Cerebrovascular diseases (I60-I69)	723	9,8
3 Diabetes mellitus (E10-E14)	1 397	7,7	3 Diabetes mellitus (E10-E14)	586	5,5	3 Tuberculosis (A15-A19)	694	9,4
4 Other forms of heart disease (I30-I52)	998	5,5	4 Other forms of heart disease (I30-I52)	554	5,2	4 Other forms of heart disease (I30-I52)	444	6,0
5 Influenza and pneumonia (J10-J18)	901	5,0	5 Chronic lower respiratory diseases (J40-J47)	549	5,1	5 Influenza and pneumonia (J10-J18)	359	4,9
6 Ischaemic heart diseases (I20-I25)	782	4,3	6 Ischaemic heart diseases (I20-I25)	542	5,1	6 Hypertensive diseases (I10-I15)	307	4,2
7 Chronic lower respiratory diseases (J40-J47)	757	4,2	7 Influenza and pneumonia (J10-J18)	542	5,1	7 Intestinal infectious diseases (A00-A09)	293	4,0
8 Intestinal infectious diseases (A00-A09)	630	3,5	8 Intestinal infectious diseases (A00-A09)	337	3,2	8 Ischaemic heart diseases (I20-I25)	240	3,3
9 Hypertensive diseases (I10-I15)	562	3,1	9 Malignant neoplasms of digestive organs (C15-C26)	331	3,1	9 Chronic lower respiratory diseases (J40-J47)	208	2,8
10 Malignant neoplasms of digestive organs (C15-C26)	517	2,9	10 Hypertensive diseases (I10-I15)	255	2,4	10 Malignant neoplasms of female genital organs (C51-C58)	204	2,8
... Other causes	7 817	43,3	... Other causes	4 709	44,1	... Other causes	3 090	41,9
... All causes	18 058	100,0	... All causes	10 685	100,0	... All causes	7 373	100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	3 210	12,7	1 Cerebrovascular diseases (I60-I69)	987	9,9	1 Cerebrovascular diseases (I60-I69)	2 223	14,5
2 Other forms of heart disease (I30-I52)	2 199	8,7	2 Other forms of heart disease (I30-I52)	828	8,3	2 Diabetes mellitus (E10-E14)	1 434	9,3
3 Diabetes mellitus (E10-E14)	2 067	8,2	3 Diabetes mellitus (E10-E14)	633	6,3	3 Other forms of heart disease (I30-I52)	1 371	8,9
4 Ischaemic heart diseases (I20-I25)	1 370	5,4	4 Ischaemic heart diseases (I20-I25)	632	6,3	4 Hypertensive diseases (I10-I15)	895	5,8
5 Hypertensive diseases (I10-I15)	1 280	5,0	5 Chronic lower respiratory diseases (J40-J47)	608	6,1	5 Ischaemic heart diseases (I20-I25)	738	4,8
6 Influenza and pneumonia (J10-J18)	1 112	4,4	6 Tuberculosis (A15-A19)	487	4,9	6 Influenza and pneumonia (J10-J18)	647	4,2
7 Chronic lower respiratory diseases (J40-J47)	1 100	4,3	7 Influenza and pneumonia (J10-J18)	465	4,6	7 Chronic lower respiratory diseases (J40-J47)	492	3,2
8 Tuberculosis (A15-A19)	821	3,2	8 Hypertensive diseases (I10-I15)	385	3,8	8 Intestinal infectious diseases (A00-A09)	425	2,8
9 Intestinal infectious diseases (A00-A09)	680	2,7	9 Malignant neoplasms of digestive organs (C15-C26)	343	3,4	9 Tuberculosis (A15-A19)	334	2,2
10 Malignant neoplasms of digestive organs (C15-C26)	647	2,6	10 Intestinal infectious diseases (A00-A09)	255	2,5	10 Malignant neoplasms of digestive organs (C15-C26)	304	2,0
... Other causes	10 863	42,9	... Other causes	4 387	43,8	... Other causes	6 476	42,2
... All causes	25 349	100,0	... All causes	10 010	100,0	... All causes	15 339	100,0

Excluding a total of 1033 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 2002

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	5 298	12,1	1 Tuberculosis (A15-A19)	2 966	13,2	1 Influenza and pneumonia (J10-J18)	2 629	12,3
2 Influenza and pneumonia (J10-J18)	4 898	11,2	2 Influenza and pneumonia (J10-J18)	2 269	10,1	2 Tuberculosis (A15-A19)	2 332	10,9
3 Other forms of heart disease (I30-I52)	2 824	6,4	3 Other forms of heart disease (I30-I52)	1 342	6,0	3 Other forms of heart disease (I30-I52)	1 482	6,9
4 Cerebrovascular diseases (I60-I69)	2 395	5,5	4 Cerebrovascular diseases (I60-I69)	1 079	4,8	4 Cerebrovascular diseases (I60-I69)	1 316	6,2
5 Intestinal infectious diseases (A00-A09)	2 160	4,9	5 Intestinal infectious diseases (A00-A09)	909	4,1	5 Intestinal infectious diseases (A00-A09)	1 251	5,9
6 Certain disorders involving the immune mechanism (D80-D89)	1 715	3,9	6 Certain disorders involving the immune mechanism (D80-D89)	786	3,5	6 Certain disorders involving the immune mechanism (D80-D89)	929	4,3
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 432	3,3	7 Chronic lower respiratory diseases (J40-J47)	783	3,5	7 Hypertensive diseases (I10-I15)	806	3,8
8 Hypertensive diseases (I10-I15)	1 333	3,0	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	725	3,2	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	707	3,3
9 Chronic lower respiratory diseases (J40-J47)	1 218	2,8	9 Hypertensive diseases (I10-I15)	527	2,3	9 Diabetes mellitus (E10-E14)	560	2,6
10 Diabetes mellitus (E10-E14)	967	2,2	10 Human immunodeficiency virus [HIV] disease (B20-B24)	507	2,3	10 Digestive system disorders of foetus and newborn (P75-P78)	475	2,2
... Other causes	19 572	44,7	... Other causes	10 548	47,0	... Other causes	8 884	41,6
... All causes	43 812	100,0	... All causes	22 441	100,0	... All causes	21 371	100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 432	24,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	725	24,2	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	707	25,2
2 Digestive system disorders of foetus and newborn (P75-P78)	942	16,2	2 Digestive system disorders of foetus and newborn (P75-P78)	467	15,6	2 Digestive system disorders of foetus and newborn (P75-P78)	475	16,9
3 Intestinal infectious diseases (A00-A09)	438	7,6	3 Intestinal infectious diseases (A00-A09)	229	7,6	3 Intestinal infectious diseases (A00-A09)	209	7,5
4 Disorders related to length of gestation and foetal growth (P05-P08)	296	5,1	4 Disorders related to length of gestation and foetal growth (P05-P08)	162	5,4	4 Influenza and pneumonia (J10-J18)	148	5,3
5 Influenza and pneumonia (J10-J18)	286	4,9	5 Certain disorders involving the immune mechanism (D80-D89)	148	4,9	5 Disorders related to length of gestation and foetal growth (P05-P08)	134	4,8
6 Certain disorders involving the immune mechanism (D80-D89)	279	4,8	6 Influenza and pneumonia (J10-J18)	138	4,6	6 Certain disorders involving the immune mechanism (D80-D89)	131	4,7
7 Malnutrition (E40-E46)	258	4,4	7 Malnutrition (E40-E46)	133	4,4	7 Malnutrition (E40-E46)	125	4,5
8 Other disorders originating in the perinatal period (P90-P96)	166	2,9	8 Infections specific to the perinatal period (P35-P39)	83	2,8	8 Other disorders originating in the perinatal period (P90-P96)	85	3,0
9 Infections specific to the perinatal period (P35-P39)	147	2,5	9 Other disorders originating in the perinatal period (P90-P96)	81	2,7	9 Infections specific to the perinatal period (P35-P39)	64	2,3
10 Tuberculosis (A15-A19)	114	2,0	10 Tuberculosis (A15-A19)	61	2,0	10 Tuberculosis (A15-A19)	53	1,9
... Other causes	1 443	24,9	... Other causes	770	25,7	... Other causes	673	24,0
... All causes	5 801	100,0	... All causes	2 997	100,0	... All causes	2 804	100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 137	19,5	1 Tuberculosis (A15-A19)	2 147	20,3	1 Tuberculosis (A15-A19)	1 990	18,7
2 Influenza and pneumonia (J10-J18)	3 355	15,8	2 Influenza and pneumonia (J10-J18)	1 409	13,3	2 Influenza and pneumonia (J10-J18)	1 946	18,2
3 Intestinal infectious diseases (A00-A09)	1 281	6,0	3 Certain disorders involving the immune mechanism (D80-D89)	545	5,1	3 Intestinal infectious diseases (A00-A09)	798	7,5
4 Certain disorders involving the immune mechanism (D80-D89)	1 281	6,0	4 Intestinal infectious diseases (A00-A09)	483	4,6	4 Certain disorders involving the immune mechanism (D80-D89)	736	6,9
5 Other forms of heart disease (I30-I52)	952	4,5	5 Other forms of heart disease (I30-I52)	429	4,1	5 Other forms of heart disease (I30-I52)	523	4,9
6 Human immunodeficiency virus [HIV] disease (B20-B24)	748	3,5	6 Human immunodeficiency virus [HIV] disease (B20-B24)	428	4,0	6 Human immunodeficiency virus [HIV] disease (B20-B24)	320	3,0
7 Cerebrovascular diseases (I60-I69)	477	2,2	7 Cerebrovascular diseases (I60-I69)	246	2,3	7 Cerebrovascular diseases (I60-I69)	231	2,2
8 Chronic lower respiratory diseases (J40-J47)	358	1,7	8 Chronic lower respiratory diseases (J40-J47)	195	1,8	8 Other viral diseases (B25-B34)	195	1,8
9 Inflammatory diseases of the central nervous system (G00-G09)	339	1,6	9 Inflammatory diseases of the central nervous system (G00-G09)	173	1,6	9 Inflammatory diseases of the central nervous system (G00-G09)	166	1,6
10 Other viral diseases (B25-B34)	308	1,4	10 Other viral diseases (B25-B34)	113	1,1	10 Chronic lower respiratory diseases (J40-J47)	163	1,5
... Other causes	8 014	37,7	... Other causes	4 418	41,7	... Other causes	3 596	33,7
... All causes	21 250	100,0	... All causes	10 586	100,0	... All causes	10 664	100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years				
1 Tuberculosis (A15-A19)	788	11,4	1 Tuberculosis (A15-A19)	575	13,6	1 Cerebrovascular diseases (I60-I69)	269	10,0
2 Influenza and pneumonia (J10-J18)	591	8,6	2 Influenza and pneumonia (J10-J18)	362	8,6	2 Other forms of heart disease (I30-I52)	256	9,5
3 Other forms of heart disease (I30-I52)	585	8,5	3 Other forms of heart disease (I30-I52)	329	7,8	3 Influenza and pneumonia (J10-J18)	229	8,5
4 Cerebrovascular diseases (I60-I69)	566	8,2	4 Cerebrovascular diseases (I60-I69)	297	7,0	4 Tuberculosis (A15-A19)	213	7,9
5 Chronic lower respiratory diseases (J40-J47)	360	5,2	5 Chronic lower respiratory diseases (J40-J47)	260	6,2	5 Diabetes mellitus (E10-E14)	167	6,2
6 Hypertensive diseases (I10-I15)	320	4,6	6 Malignant neoplasms of digestive organs (C15-C26)	187	4,4	6 Hypertensive diseases (I10-I15)	163	6,1
7 Diabetes mellitus (E10-E14)	308	4,5	7 Hypertensive diseases (I10-I15)	157	3,7	7 Intestinal infectious diseases (A00-A09)	108	4,0
8 Malignant neoplasms of digestive organs (C15-C26)	278	4,0	8 Ischaemic heart diseases (I20-I25)	151	3,6	8 Chronic lower respiratory diseases (J40-J47)	100	3,7
9 Ischaemic heart diseases (I20-I25)	220	3,2	9 Diabetes mellitus (E10-E14)	141	3,3	9 Malignant neoplasms of female genital organs (C51-C58)	100	3,7
10 Intestinal infectious diseases (A00-A09)	198	2,9	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	91	2,2	10 Malignant neoplasms of digestive organs (C15-C26)	91	3,4
... Other causes	2 697	39,0	... Other causes	1 671	39,6	... Other causes	994	37,0
... All causes	6 911	100,0	... All causes	4 221	100,0	... All causes	2 690	100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	1 343	13,6	1 Other forms of heart disease (I30-I52)	571	12,3	1 Cerebrovascular diseases (I60-I69)	809	15,5
2 Other forms of heart disease (I30-I52)	1 257	12,8	2 Cerebrovascular diseases (I60-I69)	534	11,5	2 Other forms of heart disease (I30-I52)	686	13,2
3 Hypertensive diseases (I10-I15)	832	8,4	3 Influenza and pneumonia (J10-J18)	360	7,9	3 Hypertensive diseases (I10-I15)	530	10,2
4 Influenza and pneumonia (J10-J18)	666	6,8	4 Chronic lower respiratory diseases (J40-J47)	321	6,9	4 Diabetes mellitus (E10-E14)	319	6,1
5 Diabetes mellitus (E10-E14)	499	5,1	5 Hypertensive diseases (I10-I15)	302	6,5	5 Influenza and pneumonia (J10-J18)	306	5,9
6 Chronic lower respiratory diseases (J40-J47)	488	5,0	6 Ischaemic heart diseases (I20-I25)	188	4,1	6 Ischaemic heart diseases (I20-I25)	192	3,7
7 Ischaemic heart diseases (I20-I25)	380	3,9	7 Tuberculosis (A15-A19)	183	3,9	7 Chronic lower respiratory diseases (J40-J47)	167	3,2
8 Malignant neoplasms of digestive organs (C15-C26)	280	2,8	8 Diabetes mellitus (E10-E14)	180	3,9	8 Intestinal infectious diseases (A00-A09)	136	2,6
9 Tuberculosis (A15-A19)	259	2,6	9 Malignant neoplasms of digestive organs (C15-C26)	179	3,9	9 Malignant neoplasms of digestive organs (C15-C26)	101	1,9
10 Intestinal infectious diseases (A00-A09)	243	2,5	10 Malignant neoplasms of male genital organs (C60-C63)	113	2,4	10 Malignant neoplasms of female genital organs (C51-C58)	99	1,9
... Other causes	3 603	36,6	... Other causes	1 706	36,8	... Other causes	1 868	35,8
... All causes	9 850	100,0	... All causes	4 637	100,0	... All causes	5 213	100,0

Excluding a total of 307 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 2002

Gauteng, both sexes, all ages		Gauteng, male, all ages		Gauteng, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	8 843	9.4	1 Tuberculosis (A15-A19)	5 019	10.0	1 Tuberculosis (A15-A19)	3 824	8.8
2 Influenza and pneumonia (J10-J18)	6 781	7.2	2 Influenza and pneumonia (J10-J18)	3 304	6.6	2 Influenza and pneumonia (J10-J18)	3 477	8.0
3 Other forms of heart disease (I30-I52)	4 388	4.7	3 Other forms of heart disease (I30-I52)	1 928	3.8	3 Other forms of heart disease (I30-I52)	2 460	5.6
4 Cerebrovascular diseases (I60-I69)	4 054	4.3	4 Cerebrovascular diseases (I60-I69)	1 787	3.6	4 Cerebrovascular diseases (I60-I69)	2 267	5.2
5 Diabetes mellitus (E10-E14)	2 823	3.0	5 Ischaemic heart diseases (I20-I25)	1 620	3.2	5 Diabetes mellitus (E10-E14)	1 622	3.7
6 Intestinal infectious diseases (A00-A09)	2 797	3.0	6 Chronic lower respiratory diseases (J40-J47)	1 337	2.7	6 Intestinal infectious diseases (A00-A09)	1 541	3.5
7 Ischaemic heart diseases (I20-I25)	2 731	2.9	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 277	2.5	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 163	2.7
8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 440	2.6	8 Intestinal infectious diseases (A00-A09)	1 256	2.5	8 Hypertensive diseases (I10-I15)	1 154	2.6
9 Certain disorders involving the immune mechanism (D80-D89)	2 317	2.5	9 Diabetes mellitus (E10-E14)	1 201	2.4	9 Certain disorders involving the immune mechanism (D80-D89)	1 139	2.6
10 Chronic lower respiratory diseases (J40-J47)	2 290	2.4	10 Certain disorders involving the immune mechanism (D80-D89)	1 178	2.3	10 Ischaemic heart diseases (I20-I25)	1 111	2.6
... Other causes	54 372	57.9	... Other causes	30 373	60.4	... Other causes	23 798	54.6
... All causes	93 836	100.0	... All causes	50 280	100.0	... All causes	43 556	100.0
Gauteng, both sexes, 0-14 years		Gauteng, male, 0-14 years		Gauteng, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 440	21.0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 277	20.7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 163	21.3
2 Digestive system disorders of foetus and newborn (P75-P78)	1 319	11.4	2 Other disorders originating in the perinatal period (P90-P96)	664	10.8	2 Digestive system disorders of foetus and newborn (P75-P78)	658	12.1
3 Other disorders originating in the perinatal period (P90-P96)	1 316	11.3	3 Digestive system disorders of foetus and newborn (P75-P78)	661	10.7	3 Other disorders originating in the perinatal period (P90-P96)	652	12.0
4 Intestinal infectious diseases (A00-A09)	429	3.7	4 Influenza and pneumonia (J10-J18)	229	3.7	4 Intestinal infectious diseases (A00-A09)	205	3.8
5 Infections specific to the perinatal period (P35-P39)	423	3.6	5 Intestinal infectious diseases (A00-A09)	224	3.6	5 Infections specific to the perinatal period (P35-P39)	203	3.7
6 Influenza and pneumonia (J10-J18)	418	3.6	6 Infections specific to the perinatal period (P35-P39)	220	3.6	6 Influenza and pneumonia (J10-J18)	189	3.5
7 Other viral diseases (B25-B34)	381	3.3	7 Certain disorders involving the immune mechanism (D80-D89)	199	3.2	7 Other viral diseases (B25-B34)	187	3.4
8 Certain disorders involving the immune mechanism (D80-D89)	376	3.2	8 Other viral diseases (B25-B34)	194	3.2	8 Certain disorders involving the immune mechanism (D80-D89)	177	3.2
9 Disorders related to length of gestation and foetal growth (P05-P08)	278	2.4	9 Disorders related to length of gestation and foetal growth (P05-P08)	148	2.4	9 Protozoal diseases (B50-B64)	136	2.5
10 Protozoal diseases (B50-B64)	270	2.3	10 Protozoal diseases (B50-B64)	134	2.2	10 Disorders related to length of gestation and foetal growth (P05-P08)	130	2.4
... Other causes	3 956	34.1	... Other causes	2 205	35.8	... Other causes	1 751	32.1
... All causes	11 606	100.0	... All causes	6 155	100.0	... All causes	5 451	100.0
Gauteng, both sexes, 15-49 years		Gauteng, male, 15-49 years		Gauteng, female, 15-49 years				
1 Tuberculosis (A15-A19)	7 071	16.2	1 Tuberculosis (A15-A19)	3 848	15.6	1 Tuberculosis (A15-A19)	3 223	16.9
2 Influenza and pneumonia (J10-J18)	4 263	9.8	2 Influenza and pneumonia (J10-J18)	1 958	7.9	2 Influenza and pneumonia (J10-J18)	2 305	12.1
3 Certain disorders involving the immune mechanism (D80-D89)	1 721	3.9	3 Human immunodeficiency virus [HIV] disease (B20-B24)	876	3.6	3 Intestinal infectious diseases (A00-A09)	966	5.1
4 Intestinal infectious diseases (A00-A09)	1 702	3.9	4 Certain disorders involving the immune mechanism (D80-D89)	847	3.4	4 Certain disorders involving the immune mechanism (D80-D89)	874	4.6
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 574	3.6	5 Intestinal infectious diseases (A00-A09)	736	3.0	5 Human immunodeficiency virus [HIV] disease (B20-B24)	698	3.7
6 Other forms of heart disease (I30-I52)	1 217	2.8	6 Other forms of heart disease (I30-I52)	539	2.2	6 Other forms of heart disease (I30-I52)	678	3.6
7 Other viral diseases (B25-B34)	1 133	2.6	7 Other viral diseases (B25-B34)	473	1.9	7 Other viral diseases (B25-B34)	660	3.5
8 Cerebrovascular diseases (I60-I69)	883	2.0	8 Cerebrovascular diseases (I60-I69)	458	1.9	8 Cerebrovascular diseases (I60-I69)	425	2.2
9 Inflammatory diseases of the central nervous system (G00-G09)	789	1.8	9 Inflammatory diseases of the central nervous system (G00-G09)	388	1.6	9 Inflammatory diseases of the central nervous system (G00-G09)	401	2.1
10 Protozoal diseases (B50-B64)	548	1.3	10 Ischaemic heart diseases (I20-I25)	264	1.1	10 Protozoal diseases (B50-B64)	314	1.6
... Other causes	22 777	52.1	... Other causes	14 244	57.8	... Other causes	23 798	124.9
... All causes	43 678	100.0	... All causes	24 631	100.0	... All causes	19 047	100.0
Gauteng, both sexes, 50-64 years		Gauteng, male, 50-64 years		Gauteng, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 195	7.6	1 Tuberculosis (A15-A19)	834	8.9	1 Cerebrovascular diseases (I60-I69)	503	8.0
2 Cerebrovascular diseases (I60-I69)	1 090	7.0	2 Cerebrovascular diseases (I60-I69)	587	6.3	2 Diabetes mellitus (E10-E14)	452	7.2
3 Other forms of heart disease (I30-I52)	978	6.3	3 Influenza and pneumonia (J10-J18)	561	6.0	3 Other forms of heart disease (I30-I52)	449	7.1
4 Diabetes mellitus (E10-E14)	874	5.6	4 Other forms of heart disease (I30-I52)	529	5.7	4 Tuberculosis (A15-A19)	361	5.7
5 Influenza and pneumonia (J10-J18)	873	5.6	5 Ischaemic heart diseases (I20-I25)	504	5.4	5 Influenza and pneumonia (J10-J18)	312	5.0
6 Ischaemic heart diseases (I20-I25)	704	4.5	6 Chronic lower respiratory diseases (J40-J47)	427	4.6	6 Hypertensive diseases (I10-I15)	240	3.8
7 Chronic lower respiratory diseases (J40-J47)	634	4.1	7 Diabetes mellitus (E10-E14)	422	4.5	7 Malignant neoplasms of digestive organs (C15-C26)	223	3.6
8 Malignant neoplasms of digestive organs (C15-C26)	616	3.9	8 Malignant neoplasms of digestive organs (C15-C26)	393	4.2	8 Malignant neoplasms of female genital organs (C51-C58)	209	3.3
9 Hypertensive diseases (I10-I15)	483	3.1	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	304	3.2	9 Chronic lower respiratory diseases (J40-J47)	207	3.3
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	409	2.6	10 Hypertensive diseases (I10-I15)	243	2.6	10 Ischaemic heart diseases (I20-I25)	200	3.2
... Other causes	7 781	49.8	... Other causes	4 552	48.7	... Other causes	3 125	49.8
... All causes	15 637	100.0	... All causes	9 356	100.0	... All causes	6 281	100.0
Gauteng, both sexes, 65 years and above		Gauteng, male, 65 years and above		Gauteng, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	2 143	9.4	1 Ischaemic heart diseases (I20-I25)	849	8.4	1 Cerebrovascular diseases (I60-I69)	1 333	10.4
2 Cerebrovascular diseases (I60-I69)	2 068	9.0	2 Other forms of heart disease (I30-I52)	838	8.3	2 Other forms of heart disease (I30-I52)	1 305	10.2
3 Ischaemic heart diseases (I20-I25)	1 639	7.2	3 Cerebrovascular diseases (I60-I69)	735	7.2	3 Diabetes mellitus (E10-E14)	936	7.3
4 Diabetes mellitus (E10-E14)	1 464	6.4	4 Chronic lower respiratory diseases (J40-J47)	656	6.5	4 Ischaemic heart diseases (I20-I25)	790	6.2
5 Influenza and pneumonia (J10-J18)	1 227	5.4	5 Influenza and pneumonia (J10-J18)	556	5.5	5 Hypertensive diseases (I10-I15)	726	5.7
6 Chronic lower respiratory diseases (J40-J47)	1 175	5.1	6 Diabetes mellitus (E10-E14)	528	5.2	6 Influenza and pneumonia (J10-J18)	671	5.3
7 Hypertensive diseases (I10-I15)	1 088	4.7	7 Malignant neoplasms of digestive organs (C15-C26)	458	4.5	7 Chronic lower respiratory diseases (J40-J47)	519	4.1
8 Malignant neoplasms of digestive organs (C15-C26)	867	3.8	8 Hypertensive diseases (I10-I15)	362	3.6	8 Malignant neoplasms of digestive organs (C15-C26)	409	3.2
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	469	2.0	9 Malignant neoplasms of male genital organs (C60-C63)	355	3.5	9 Renal failure (N17-N19)	229	1.8
10 Renal failure (N17-N19)	457	2.0	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	322	3.2	10 Malignant neoplasms of female genital organs (C51-C58)	229	1.8
... Other causes	10 318	45.0	... Other causes	4 479	44.2	... Other causes	5 630	44.1
... All causes	22 915	100.0	... All causes	10 138	100.0	... All causes	12 777	100.0

Excluding a total of 795 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 2002

Mpumalanga, both sexes, all ages		Mpumalanga, male, all ages		Mpumalanga, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	4157	11,9	1 Tuberculosis (A15-A19)	2285	12,8	1 Tuberculosis (A15-A19)	1872	11,0
2 Influenza and pneumonia (J10-J18)	3273	9,4	2 Influenza and pneumonia (J10-J18)	1605	9,0	2 Influenza and pneumonia (J10-J18)	1668	9,8
3 Intestinal infectious diseases (A00-A09)	2071	5,9	3 Intestinal infectious diseases (A00-A09)	889	5,0	3 Intestinal infectious diseases (A00-A09)	1182	7,0
4 Cerebrovascular diseases (I60-I69)	1711	4,9	4 Cerebrovascular diseases (I60-I69)	775	4,3	4 Cerebrovascular diseases (I60-I69)	936	5,5
5 Other forms of heart disease (I30-I52)	1444	4,1	5 Other forms of heart disease (I30-I52)	672	3,8	5 Certain disorders involving the immune mechanism (D80-D89)	773	4,6
6 Certain disorders involving the immune mechanism (D80-D89)	1393	4,0	6 Certain disorders involving the immune mechanism (D80-D89)	620	3,5	6 Other forms of heart disease (I30-I52)	772	4,6
7 Human immunodeficiency virus [HIV] disease (B20-B24)	1021	2,9	7 Chronic lower respiratory diseases (J40-J47)	509	2,8	7 Diabetes mellitus (E10-E14)	582	3,4
8 Diabetes mellitus (E10-E14)	976	2,8	8 Human immunodeficiency virus [HIV] disease (B20-B24)	457	2,5	8 Human immunodeficiency virus [HIV] disease (B20-B24)	564	3,3
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	879	2,5	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	448	2,5	9 Hypertensive diseases (I10-I15)	539	3,2
10 Chronic lower respiratory diseases (J40-J47)	871	2,5	10 Diabetes mellitus (E10-E14)	394	2,2	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	431	2,5
... Other causes	17064	49,0	... Other causes	9243	51,6	... Other causes	7644	45,1
... All causes	34860	100,0	... All causes	17897	100,0	... All causes	16963	100,0
Mpumalanga, both sexes, 0-14 years		Mpumalanga, male, 0-14 years		Mpumalanga, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	879	20,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	448	20,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	431	20,4
2 Digestive system disorders of foetus and newborn (P75-P78)	695	16,1	2 Digestive system disorders of foetus and newborn (P75-P78)	346	15,7	2 Digestive system disorders of foetus and newborn (P75-P78)	349	16,5
3 Intestinal infectious diseases (A00-A09)	406	9,4	3 Intestinal infectious diseases (A00-A09)	206	9,3	3 Intestinal infectious diseases (A00-A09)	200	9,5
4 Other disorders originating in the perinatal period (P90-P96)	204	4,7	4 Other disorders originating in the perinatal period (P90-P96)	110	5,0	4 Influenza and pneumonia (J10-J18)	96	4,5
5 Influenza and pneumonia (J10-J18)	193	4,5	5 Influenza and pneumonia (J10-J18)	97	4,4	5 Other disorders originating in the perinatal period (P90-P96)	94	4,4
6 Certain disorders involving the immune mechanism (D80-D89)	170	3,9	6 Disorders related to length of gestation and foetal growth (P05-P08)	90	4,1	6 Certain disorders involving the immune mechanism (D80-D89)	89	4,2
7 Disorders related to length of gestation and foetal growth (P05-P08)	157	3,6	7 Certain disorders involving the immune mechanism (D80-D89)	81	3,7	7 Malnutrition (E40-E46)	72	3,4
8 Malnutrition (E40-E46)	137	3,2	8 Malnutrition (E40-E46)	65	2,9	8 Disorders related to length of gestation and foetal growth (P05-P08)	67	3,2
9 Infections specific to the perinatal period (P35-P39)	90	2,1	9 Infections specific to the perinatal period (P35-P39)	53	2,4	9 Human immunodeficiency virus [HIV] disease (B20-B24)	43	2,0
10 Tuberculosis (A15-A19)	85	2,0	10 Tuberculosis (A15-A19)	45	2,0	10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	41	1,9
... Other causes	1307	30,2	... Other causes	666	30,2	... Other causes	634	30,0
... All causes	4323	100,0	... All causes	2207	100,0	... All causes	2116	100,0
Mpumalanga, both sexes, 15-49 years		Mpumalanga, male, 15-49 years		Mpumalanga, female, 15-49 years				
1 Tuberculosis (A15-A19)	3277	18,9	1 Tuberculosis (A15-A19)	1689	19,2	1 Tuberculosis (A15-A19)	1588	18,6
2 Influenza and pneumonia (J10-J18)	2157	12,4	2 Influenza and pneumonia (J10-J18)	967	11,0	2 Influenza and pneumonia (J10-J18)	1190	13,9
3 Intestinal infectious diseases (A00-A09)	1125	6,5	3 Certain disorders involving the immune mechanism (D80-D89)	461	5,2	3 Intestinal infectious diseases (A00-A09)	700	8,2
4 Certain disorders involving the immune mechanism (D80-D89)	1082	6,2	4 Intestinal infectious diseases (A00-A09)	425	4,8	4 Certain disorders involving the immune mechanism (D80-D89)	621	7,3
5 Human immunodeficiency virus [HIV] disease (B20-B24)	839	4,8	5 Human immunodeficiency virus [HIV] disease (B20-B24)	363	4,1	5 Human immunodeficiency virus [HIV] disease (B20-B24)	476	5,6
6 Cerebrovascular diseases (I60-I69)	356	2,1	6 Other forms of heart disease (I30-I52)	178	2,0	6 Other viral diseases (B25-B34)	226	2,6
7 Other viral diseases (B25-B34)	351	2,0	7 Cerebrovascular diseases (I60-I69)	173	2,0	7 Noninfective enteritis and colitis (K50-K52)	189	2,2
8 Other forms of heart disease (I30-I52)	345	2,0	8 Other viral diseases (B25-B34)	125	1,4	8 Cerebrovascular diseases (I60-I69)	183	2,1
9 Noninfective enteritis and colitis (K50-K52)	305	1,8	9 Noninfective enteritis and colitis (K50-K52)	116	1,3	9 Other forms of heart disease (I30-I52)	167	2,0
10 Chronic lower respiratory diseases (J40-J47)	247	1,4	10 Inflammatory diseases of the central nervous system (G00-G09)	115	1,3	10 Chronic lower respiratory diseases (J40-J47)	133	1,6
... Other causes	7266	41,9	... Other causes	4198	47,7	... Other causes	3067	35,9
... All causes	17350	100,0	... All causes	8810	100,0	... All causes	8540	100,0
Mpumalanga, both sexes, 50-64 years		Mpumalanga, male, 50-64 years		Mpumalanga, female, 50-64 years				
1 Tuberculosis (A15-A19)	578	10,2	1 Tuberculosis (A15-A19)	403	11,7	1 Cerebrovascular diseases (I60-I69)	215	9,6
2 Cerebrovascular diseases (I60-I69)	459	8,1	2 Influenza and pneumonia (J10-J18)	300	8,7	2 Tuberculosis (A15-A19)	175	7,8
3 Influenza and pneumonia (J10-J18)	451	7,9	3 Cerebrovascular diseases (I60-I69)	244	7,1	3 Diabetes mellitus (E10-E14)	162	7,2
4 Other forms of heart disease (I30-I52)	309	5,4	4 Chronic lower respiratory diseases (J40-J47)	175	5,1	4 Influenza and pneumonia (J10-J18)	151	6,7
5 Diabetes mellitus (E10-E14)	300	5,3	5 Other forms of heart disease (I30-I52)	167	4,9	5 Other forms of heart disease (I30-I52)	142	6,3
6 Chronic lower respiratory diseases (J40-J47)	252	4,4	6 Diabetes mellitus (E10-E14)	138	4,0	6 Hypertensive diseases (I10-I15)	124	5,5
7 Intestinal infectious diseases (A00-A09)	246	4,3	7 Intestinal infectious diseases (A00-A09)	127	3,7	7 Intestinal infectious diseases (A00-A09)	119	5,3
8 Hypertensive diseases (I10-I15)	228	4,0	8 Malignant neoplasms of digestive organs (C15-C26)	124	3,6	8 Malignant neoplasms of female genital organs (C51-C58)	92	4,1
9 Malignant neoplasms of digestive organs (C15-C26)	175	3,1	9 Ischaemic heart diseases (I20-I25)	112	3,3	9 Chronic lower respiratory diseases (J40-J47)	77	3,4
10 Ischaemic heart diseases (I20-I25)	170	3,0	10 Hypertensive diseases (I10-I15)	104	3,0	10 Ischaemic heart diseases (I20-I25)	58	2,6
... Other causes	2512	44,2	... Other causes	1541	44,9	... Other causes	930	41,4
... All causes	5680	100,0	... All causes	3435	100,0	... All causes	2245	100,0
Mpumalanga, both sexes, 65 years and above		Mpumalanga, male, 65 years and above		Mpumalanga, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	888	11,8	1 Cerebrovascular diseases (I60-I69)	355	10,3	1 Cerebrovascular diseases (I60-I69)	533	13,1
2 Other forms of heart disease (I30-I52)	761	10,1	2 Other forms of heart disease (I30-I52)	315	9,1	2 Other forms of heart disease (I30-I52)	446	11,0
3 Hypertensive diseases (I10-I15)	504	6,7	3 Influenza and pneumonia (J10-J18)	241	7,0	3 Hypertensive diseases (I10-I15)	345	8,5
4 Diabetes mellitus (E10-E14)	472	6,3	4 Chronic lower respiratory diseases (J40-J47)	211	6,1	4 Diabetes mellitus (E10-E14)	308	7,6
5 Influenza and pneumonia (J10-J18)	472	6,3	5 Diabetes mellitus (E10-E14)	164	4,8	5 Influenza and pneumonia (J10-J18)	231	5,7
6 Chronic lower respiratory diseases (J40-J47)	350	4,7	6 Hypertensive diseases (I10-I15)	159	4,6	6 Intestinal infectious diseases (A00-A09)	163	4,0
7 Intestinal infectious diseases (A00-A09)	294	3,9	7 Tuberculosis (A15-A19)	144	4,3	7 Chronic lower respiratory diseases (J40-J47)	139	3,4
8 Ischaemic heart diseases (I20-I25)	268	3,6	8 Ischaemic heart diseases (I20-I25)	144	4,2	8 Ischaemic heart diseases (I20-I25)	124	3,1
9 Tuberculosis (A15-A19)	217	2,9	9 Intestinal infectious diseases (A00-A09)	131	3,8	9 Malignant neoplasms of digestive organs (C15-C26)	95	2,3
10 Malignant neoplasms of digestive organs (C15-C26)	216	2,9	10 Malignant neoplasms of digestive organs (C15-C26)	121	3,5	10 Malignant neoplasms of female genital organs (C51-C58)	83	2,0
... Other causes	3065	40,8	... Other causes	1456	42,3	... Other causes	1595	39,3
... All causes	7507	100,0	... All causes	3445	100,0	... All causes	4062	100,0

Excluding a total of 306 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 2002

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages		
No.	%	No.	%	No.	%	
1 Influenza and pneumonia (J10-J18)	3 793	9.9	1 844	9.7	1 949	10.4
2 Tuberculosis (A15-A19)	3 129	8.1	1 773	9.3	1 297	6.7
3 Intestinal infectious diseases (A00-A09)	2 227	5.8	930	4.9	1 285	6.6
4 Cerebrovascular diseases (I60-I69)	1 871	4.9	873	4.6	1 083	5.6
5 Other forms of heart disease (I30-I52)	1 838	4.8	788	4.1	965	5.0
6 Diabetes mellitus (E10-E14)	1 032	2.7	614	3.2	618	3.2
7 Certain disorders involving the immune mechanism (D80-D89)	1 006	2.6	448	2.4	558	2.9
8 Chronic lower respiratory diseases (J40-J47)	1 006	2.6	440	2.3	446	2.3
9 Hypertensive diseases (I10-I15)	789	2.1	414	2.2	392	2.0
10 Diseases of liver (K70-K77)	700	1.8	354	1.9	326	1.7
... Other causes	21 044	54.8	10 562	55.5	10 405	53.6
... All causes	38 435	100.0	19 040	100.0	19 395	100.0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	609	16.3	283	14.7	326	18.0
2 Intestinal infectious diseases (A00-A09)	344	9.2	182	9.5	172	9.5
3 Digestive system disorders of foetus and newborn (P75-P78)	334	9.0	172	9.0	152	8.4
4 Influenza and pneumonia (J10-J18)	240	6.4	122	6.4	118	6.5
5 Other disorders originating in the perinatal period (P90-P96)	157	4.2	80	4.2	77	4.3
6 Malnutrition (E40-E46)	129	3.5	68	3.5	61	3.4
7 Certain disorders involving the immune mechanism (D80-D89)	109	2.9	54	2.8	56	3.1
8 Tuberculosis (A15-A19)	96	2.6	53	2.8	50	2.8
9 Infections specific to the perinatal period (P35-P39)	94	2.5	50	2.6	40	2.2
10 Disorders related to length of gestation and foetal growth (P05-P08)	89	2.4	46	2.4	39	2.2
... Other causes	1 528	41.0	810	42.2	718	39.7
... All causes	3 729	100.0	1 920	100.0	1 809	100.0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years		
1 Influenza and pneumonia (J10-J18)	2 206	13.7	1 181	14.8	1 240	15.3
2 Tuberculosis (A15-A19)	2 199	13.7	966	12.1	1 018	12.5
3 Intestinal infectious diseases (A00-A09)	1 210	7.5	461	5.8	749	9.2
4 Certain disorders involving the immune mechanism (D80-D89)	777	4.8	329	4.1	448	5.5
5 Other forms of heart disease (I30-I52)	465	2.9	198	2.5	267	3.3
6 Human immunodeficiency virus [HIV] disease (B20-B24)	368	2.3	164	2.1	218	2.7
7 Noninfective enteritis and colitis (K50-K52)	317	2.0	150	1.9	194	2.4
8 Chronic lower respiratory diseases (J40-J47)	314	2.0	146	1.8	168	2.1
9 Protozoal diseases (B50-B64)	284	1.8	145	1.8	155	1.9
10 Cerebrovascular diseases (I60-I69)	276	1.7	138	1.7	146	1.8
... Other causes	7 678	47.7	4 092	51.3	3 521	43.3
... All causes	16 094	100.0	7 970	100.0	8 124	100.0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years		
1 Influenza and pneumonia (J10-J18)	559	8.7	419	10.5	205	8.5
2 Tuberculosis (A15-A19)	548	8.6	415	8.0	187	7.7
3 Cerebrovascular diseases (I60-I69)	414	6.5	234	5.9	169	7.0
4 Other forms of heart disease (I30-I52)	403	6.3	227	5.7	164	6.8
5 Diabetes mellitus (E10-E14)	337	5.3	203	5.1	129	5.3
6 Intestinal infectious diseases (A00-A09)	272	4.2	173	4.3	122	5.0
7 Chronic lower respiratory diseases (J40-J47)	267	4.2	150	3.8	102	4.2
8 Diseases of liver (K70-K77)	191	3.0	144	3.6	88	3.6
9 Hypertensive diseases (I10-I15)	189	3.0	125	3.1	64	2.6
10 Ischaemic heart diseases (I20-I25)	181	2.8	123	3.1	58	2.4
... Other causes	3 044	47.5	1 831	46.0	1 134	46.8
... All causes	6 405	100.0	3 983	100.0	2 422	100.0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above		
1 Cerebrovascular diseases (I60-I69)	1 171	9.6	425	8.2	756	10.7
2 Other forms of heart disease (I30-I52)	937	7.7	415	8.0	512	7.3
3 Influenza and pneumonia (J10-J18)	788	6.5	331	6.4	457	6.5
4 Diabetes mellitus (E10-E14)	512	4.2	252	4.9	335	4.8
5 Hypertensive diseases (I10-I15)	439	3.6	198	3.8	272	3.9
6 Intestinal infectious diseases (A00-A09)	401	3.3	177	3.4	254	3.6
7 Chronic lower respiratory diseases (J40-J47)	401	3.3	167	3.2	162	2.3
8 Ischaemic heart diseases (I20-I25)	290	2.4	147	2.8	149	2.1
9 Tuberculosis (A15-A19)	286	2.3	144	2.8	128	1.8
10 Malignant neoplasms of digestive organs (C15-C26)	260	2.1	128	2.5	116	1.6
... Other causes	6 722	55.1	2 783	53.9	3 899	55.4
... All causes	12 207	100.0	5 167	100.0	7 040	100.0

Excluding a total of 239 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 2003

No.		%		No.		%		No.		%	
All provinces, both sexes, all ages				All provinces, male, all ages				All provinces, female, all ages			
1 Tuberculosis (A15-A19)	66 992	12.2		1 Tuberculosis (A15-A19)	36 807	13.1		1 Tuberculosis (A15-A19)	30 185	11.3	
2 Influenza and pneumonia (J10-J18)	45 062	8.2		2 Influenza and pneumonia (J10-J18)	21 273	7.6		2 Influenza and pneumonia (J10-J18)	23 788	8.9	
3 Cerebrovascular diseases (I60-I69)	27 325	5.0		3 Cerebrovascular diseases (I60-I69)	11 590	4.1		3 Cerebrovascular diseases (I60-I69)	15 745	5.9	
4 Intestinal infectious diseases (A00-A09)	24 200	4.4		4 Other forms of heart disease (I30-I52)	10 784	3.8		4 Intestinal infectious diseases (A00-A09)	13 734	5.1	
5 Other forms of heart disease (I30-I52)	23 870	4.4		5 Intestinal infectious diseases (A00-A09)	10 466	3.7		5 Other forms of heart disease (I30-I52)	13 086	4.9	
6 Diabetes mellitus (E10-E14)	16 716	3.0		6 Chronic lower respiratory diseases (J40-J47)	9 567	3.4		6 Diabetes mellitus (E10-E14)	10 290	3.8	
7 Chronic lower respiratory diseases (J40-J47)	16 072	2.9		7 Ischaemic heart diseases (I20-I25)	7 742	2.8		7 Certain disorders involving the immune mechanism (D80-D89)	8 341	3.1	
8 Certain disorders involving the immune mechanism (D80-D89)	14 976	2.7		8 Certain disorders involving the immune mechanism (D80-D89)	6 635	2.4		8 Hypertensive diseases (I10-I15)	7 279	2.7	
9 Ischaemic heart diseases (I20-I25)	13 278	2.4		9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 516	2.3		9 Chronic lower respiratory diseases (J40-J47)	6 505	2.4	
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	12 478	2.3		10 Diabetes mellitus (E10-E14)	6 426	2.3		10 Human immunodeficiency virus [HIV] disease (B20-B24)	6 073	2.3	
... Other causes	287 117	52.4		... Other causes	152 450	54.4		... Other causes	132 813	49.6	
... All causes	548 086	100.0		... All causes	280 246	100.0		... All causes	267 840	100.0	
All provinces, both sexes, 0-14 years				All provinces, male, 0-14 years				All provinces, female, 0-14 years			
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	12 477	20.9		1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 515	20.6		1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	5 962	21.3	
2 Digestive system disorders of foetus and newborn (P75-P78)	7 445	12.5		2 Digestive system disorders of foetus and newborn (P75-P78)	3 900	12.3		2 Digestive system disorders of foetus and newborn (P75-P78)	3 545	12.7	
3 Other disorders originating in the perinatal period (P90-P96)	4 073	6.8		3 Other disorders originating in the perinatal period (P90-P96)	2 097	6.6		3 Other disorders originating in the perinatal period (P90-P96)	1 976	7.1	
4 Intestinal infectious diseases (A00-A09)	3 812	6.4		4 Intestinal infectious diseases (A00-A09)	2 007	6.3		4 Intestinal infectious diseases (A00-A09)	1 805	6.5	
5 Influenza and pneumonia (J10-J18)	2 615	4.4		5 Influenza and pneumonia (J10-J18)	1 376	4.3		5 Influenza and pneumonia (J10-J18)	1 239	4.4	
6 Infections specific to the perinatal period (P35-P39)	2 106	3.5		6 Infections specific to the perinatal period (P35-P39)	1 162	3.7		6 Infections specific to the perinatal period (P35-P39)	944	3.4	
7 Disorders related to the length of gestation and foetal growth (P05-P08)	1 983	3.3		7 Disorders related to the length of gestation and foetal growth (P05-P08)	1 096	3.5		7 Disorders related to the length of gestation and foetal growth (P05-P08)	887	3.2	
8 Certain disorders involving the immune mechanism (D80-D89)	1 806	3.0		8 Certain disorders involving the immune mechanism (D80-D89)	925	2.9		8 Certain disorders involving the immune mechanism (D80-D89)	881	3.1	
9 Tuberculosis (A15-A19)	1 578	2.6		9 Tuberculosis (A15-A19)	821	2.6		9 Tuberculosis (A15-A19)	757	2.7	
10 Malnutrition (E40-E46)	1 519	2.5		10 Malnutrition (E40-E46)	797	2.5		10 Malnutrition (E40-E46)	722	2.6	
... Other causes	20 247	33.9		... Other causes	10 988	34.7		... Other causes	9 259	33.1	
... All causes	59 661	100.0		... All causes	31 684	100.0		... All causes	27 977	100.0	
All provinces, both sexes, 15-49 years				All provinces, male, 15-49 years				All provinces, female, 15-49 years			
1 Tuberculosis (A15-A19)	51 374	19.6		1 Tuberculosis (A15-A19)	26 431	19.6		1 Tuberculosis (A15-A19)	24 943	19.6	
2 Influenza and pneumonia (J10-J18)	29 157	11.1		2 Influenza and pneumonia (J10-J18)	12 850	9.5		2 Influenza and pneumonia (J10-J18)	16 307	12.8	
3 Intestinal infectious diseases (A00-A09)	14 363	5.5		3 Intestinal infectious diseases (A00-A09)	5 766	4.3		3 Intestinal infectious diseases (A00-A09)	8 597	6.8	
4 Certain disorders involving the immune mechanism (D80-D89)	11 730	4.5		4 Certain disorders involving the immune mechanism (D80-D89)	4 901	3.6		4 Certain disorders involving the immune mechanism (D80-D89)	6 829	5.4	
5 Human immunodeficiency virus [HIV] disease (B20-B24)	9 752	3.7		5 Human immunodeficiency virus [HIV] disease (B20-B24)	4 431	3.3		5 Human immunodeficiency virus [HIV] disease (B20-B24)	5 321	4.2	
6 Other forms of heart disease (I30-I52)	6 039	2.3		6 Other forms of heart disease (I30-I52)	2 833	2.1		6 Other viral diseases (B25-B34)	3 494	2.8	
7 Other viral diseases (B25-B34)	6 014	2.3		7 Cerebrovascular diseases (I60-I69)	2 591	1.9		7 Other forms of heart disease (I30-I52)	3 206	2.5	
8 Cerebrovascular diseases (I60-I69)	5 186	2.0		8 Other viral diseases (B25-B34)	2 520	1.9		8 Cerebrovascular diseases (I60-I69)	2 595	2.0	
9 Inflammatory diseases of the central nervous system (G00-G09)	4 838	1.8		9 Inflammatory diseases of the central nervous system (G00-G09)	2 261	1.7		9 Inflammatory diseases of the central nervous system (G00-G09)	2 577	2.0	
10 Chronic lower respiratory diseases (J40-J47)	3 935	1.5		10 Chronic lower respiratory diseases (J40-J47)	2 027	1.5		10 Chronic lower respiratory diseases (J40-J47)	1 908	1.5	
... Other causes	119 268	45.6		... Other causes	68 100	50.6		... Other causes	51 168	40.3	
... All causes	261 656	100.0		... All causes	134 711	100.0		... All causes	126 945	100.0	
All provinces, both sexes, 50-64 years				All provinces, male, 50-64 years				All provinces, female, 50-64 years			
1 Tuberculosis (A15-A19)	9 938	10.8		1 Tuberculosis (A15-A19)	6 976	12.7		1 Cerebrovascular diseases (I60-I69)	3 307	9.0	
2 Cerebrovascular diseases (I60-I69)	6 730	7.3		2 Influenza and pneumonia (J10-J18)	3 655	6.7		2 Diabetes mellitus (E10-E14)	3 043	8.2	
3 Influenza and pneumonia (J10-J18)	5 992	6.5		3 Cerebrovascular diseases (I60-I69)	3 423	6.3		3 Tuberculosis (A15-A19)	2 962	8.0	
4 Diabetes mellitus (E10-E14)	5 431	5.9		4 Chronic lower respiratory diseases (J40-J47)	3 145	5.7		4 Influenza and pneumonia (J10-J18)	2 337	6.3	
5 Other forms of heart disease (I30-I52)	5 148	5.6		5 Other forms of heart disease (I30-I52)	2 861	5.2		5 Other forms of heart disease (I30-I52)	2 287	6.2	
6 Chronic lower respiratory diseases (J40-J47)	4 600	5.0		6 Ischaemic heart diseases (I20-I25)	2 619	4.8		6 Hypertensive diseases (I10-I15)	1 597	4.3	
7 Ischaemic heart diseases (I20-I25)	3 794	4.1		7 Diabetes mellitus (E10-E14)	2 388	4.4		7 Chronic lower respiratory diseases (J40-J47)	1 455	3.9	
8 Malignant neoplasms of digestive organs (C15-C26)	3 303	3.6		8 Malignant neoplasms of digestive organs (C15-C26)	2 159	3.9		8 Intestinal infectious diseases (A00-A09)	1 303	3.5	
9 Hypertensive diseases (I10-I15)	2 976	3.2		9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 528	2.8		9 Malignant neoplasms of female genital organs (C51-C58)	1 194	3.2	
10 Intestinal infectious diseases (A00-A09)	2 738	3.0		10 Intestinal infectious diseases (A00-A09)	1 435	2.6		10 Ischaemic heart diseases (I20-I25)	1 175	3.2	
... Other causes	40 981	44.7		... Other causes	24 555	44.9		... Other causes	16 227	44.0	
... All causes	91 631	100.0		... All causes	54 744	100.0		... All causes	36 887	100.0	
All provinces, both sexes, 65 years and above				All provinces, male, 65 years and above				All provinces, female, 65 years and above			
1 Cerebrovascular diseases (I60-I69)	15 264	11.3		1 Cerebrovascular diseases (I60-I69)	5 489	9.3		1 Cerebrovascular diseases (I60-I69)	9 775	12.9	
2 Other forms of heart disease (I30-I52)	12 307	9.1		2 Other forms of heart disease (I30-I52)	4 896	8.3		2 Other forms of heart disease (I30-I52)	7 411	9.7	
3 Diabetes mellitus (E10-E14)	8 843	6.5		3 Chronic lower respiratory diseases (J40-J47)	4 258	7.2		3 Diabetes mellitus (E10-E14)	5 912	7.8	
4 Ischaemic heart diseases (I20-I25)	7 346	5.4		4 Ischaemic heart diseases (I20-I25)	3 688	6.2		4 Hypertensive diseases (I10-I15)	4 708	6.2	
5 Influenza and pneumonia (J10-J18)	7 298	5.4		5 Influenza and pneumonia (J10-J18)	3 392	5.7		5 Influenza and pneumonia (J10-J18)	3 906	5.1	
6 Chronic lower respiratory diseases (J40-J47)	7 295	5.4		6 Diabetes mellitus (E10-E14)	2 931	5.0		6 Ischaemic heart diseases (I20-I25)	3 658	4.8	
7 Hypertensive diseases (I10-I15)	6 909	5.1		7 Tuberculosis (A15-A19)	2 579	4.4		7 Chronic lower respiratory diseases (J40-J47)	3 037	4.0	
8 Malignant neoplasms of digestive organs (C15-C26)	4 408	3.3		8 Malignant neoplasms of digestive organs (C15-C26)	2 349	4.0		8 Malignant neoplasms of digestive organs (C15-C26)	2 059	2.7	
9 Tuberculosis (A15-A19)	4 102	3.0		9 Hypertensive diseases (I10-I15)	2 201	3.7		9 Intestinal infectious diseases (A00-A09)	2 029	2.7	
10 Intestinal infectious diseases (A00-A09)	3 287	2.4		10 Malignant neoplasms of male genital organs (C60-C63)	1 538	2.6		10 Tuberculosis (A15-A19)	1 523	2.0	
... Other causes	58 079	43.0		... Other causes	25 786	43.6		... Other causes	32 013	42.1	
... All causes	135 138	100.0		... All causes	59 107	100.0		... All causes	76 031	100.0	

Excluding a total of 4739 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 2003

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	4 131 9.4	1 Tuberculosis (A15-A19)	2 473 10.1	1 Tuberculosis (A15-A19)	1 658 8.4
2 Cerebrovascular diseases (I60-I69)	2 874 6.5	2 Ischaemic heart diseases (I20-I25)	1 598 6.6	2 Cerebrovascular diseases (I60-I69)	1 593 8.1
3 Ischaemic heart diseases (I20-I25)	2 810 6.4	3 Cerebrovascular diseases (I60-I69)	1 281 5.3	3 Diabetes mellitus (E10-E14)	1 488 7.6
4 Diabetes mellitus (E10-E14)	2 423 5.5	4 Chronic lower respiratory diseases (J40-J47)	1 156 4.7	4 Ischaemic heart diseases (I20-I25)	1 212 6.2
5 Chronic lower respiratory diseases (J40-J47)	1 880 4.3	5 Diabetes mellitus (E10-E14)	935 3.8	5 Other forms of heart disease (I30-I52)	922 4.7
6 Other forms of heart disease (I30-I52)	1 702 3.9	6 Malignant neoplasms of digestive organs (C15-C26)	913 3.7	6 Human immunodeficiency virus [HIV] disease (B20-B24)	850 4.3
7 Malignant neoplasms of digestive organs (C15-C26)	1 596 3.6	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	889 3.6	7 Chronic lower respiratory diseases (J40-J47)	724 3.7
8 Human immunodeficiency virus [HIV] disease (B20-B24)	1 500 3.4	8 Other forms of heart disease (I30-I52)	780 3.2	8 Malignant neoplasms of digestive organs (C15-C26)	683 3.5
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 331 3.0	9 Human immunodeficiency virus [HIV] disease (B20-B24)	650 2.7	9 Hypertensive diseases (I10-I15)	581 3.0
10 Influenza and pneumonia (J10-J18)	1 046 2.4	10 Influenza and pneumonia (J10-J18)	507 2.1	10 Influenza and pneumonia (J10-J18)	539 2.7
... Other causes	22 765 51.7	... Other causes	13 200 54.1	... Other causes	9 426 47.9
... All causes	44 058 100.0	... All causes	24 382 100.0	... All causes	19 676 100.0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	591 16.9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	310 16.6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	281 17.3
2 Digestive system disorders of foetus and newborn (P75-P78)	330 9.4	2 Other disorders originating in the perinatal period (P90-P96)	188 10.0	2 Digestive system disorders of foetus and newborn (P75-P78)	172 10.6
3 Other disorders originating in the perinatal period (P90-P96)	326 9.3	3 Digestive system disorders of foetus and newborn (P75-P78)	158 8.4	3 Other disorders originating in the perinatal period (P90-P96)	138 8.5
4 Disorders related to the length of gestation and foetal growth (P05-P08)	166 4.8	4 Disorders related to the length of gestation and foetal growth (P05-P08)	97 5.2	4 Infections specific to the perinatal period (P35-P39)	83 5.1
5 Infections specific to the perinatal period (P35-P39)	155 4.4	5 Infections specific to the perinatal period (P35-P39)	72 3.8	5 Disorders related to the length of gestation and foetal growth (P05-P08)	69 4.3
6 Human immunodeficiency virus [HIV] disease (B20-B24)	129 3.7	6 Human immunodeficiency virus [HIV] disease (B20-B24)	69 3.7	6 Human immunodeficiency virus [HIV] disease (B20-B24)	60 3.7
7 Intestinal infectious diseases (A00-A09)	98 2.8	7 Certain disorders involving the immune mechanism (D80-D89)	51 2.7	7 Intestinal infectious diseases (A00-A09)	48 3.0
8 Certain disorders involving the immune mechanism (D80-D89)	84 2.4	8 Intestinal infectious diseases (A00-A09)	50 2.7	8 Other viral diseases (B25-B34)	41 2.5
9 Other viral diseases (B25-B34)	83 2.4	9 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	45 2.4	9 Tuberculosis (A15-A19)	38 2.3
10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	81 2.3	10 Other viral diseases (B25-B34)	42 2.2	10 Foetus & newborn affect'd by matern. factors & complic. of preg., lab & delivery (P00-P04)	36 2.2
... Other causes	1 451 41.5	... Other causes	791 42.2	... Other causes	655 40.4
... All causes	3 494 100.0	... All causes	1 873 100.0	... All causes	1 621 100.0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	2 868 17.8	1 Tuberculosis (A15-A19)	1 607 16.1	1 Tuberculosis (A15-A19)	1 261 20.4
2 Human immunodeficiency virus [HIV] disease (B20-B24)	1 246 7.7	2 Human immunodeficiency virus [HIV] disease (B20-B24)	504 5.1	2 Human immunodeficiency virus [HIV] disease (B20-B24)	172 12.0
3 Other viral diseases (B25-B34)	470 2.9	3 Ischaemic heart diseases (I20-I25)	236 2.4	3 Other viral diseases (B25-B34)	259 4.2
4 Influenza and pneumonia (J10-J18)	432 2.7	4 Other viral diseases (B25-B34)	211 2.1	4 Certain disorders involving the immune mechanism (D80-D89)	245 4.0
5 Cerebrovascular diseases (I60-I69)	419 2.6	5 Other external causes of accidental injury (W00-X59)	210 2.1	5 Influenza and pneumonia (J10-J18)	228 3.7
6 Certain disorders involving the immune mechanism (D80-D89)	407 2.5	6 Cerebrovascular diseases (I60-I69)	208 2.1	6 Cerebrovascular diseases (I60-I69)	211 3.4
7 Ischaemic heart diseases (I20-I25)	321 2.0	7 Influenza and pneumonia (J10-J18)	204 2.0	7 Intestinal infectious diseases (A00-A09)	160 2.6
8 Other forms of heart disease (I30-I52)	301 1.9	8 Chronic lower respiratory diseases (J40-J47)	185 1.9	8 Other forms of heart disease (I30-I52)	137 2.2
9 Chronic lower respiratory diseases (J40-J47)	301 1.9	9 Other forms of heart disease (I30-I52)	164 1.6	9 Malignant neoplasms of female genital organs (C51-C58)	126 2.0
10 Intestinal infectious diseases (A00-A09)	285 1.8	10 Certain disorders involving the immune mechanism (D80-D89)	162 1.6	10 Diabetes mellitus (E10-E14)	120 1.9
... Other causes	9 100 56.3	... Other causes	6 275 63.0	... Other causes	2 695 43.6
... All causes	16 150 100.0	... All causes	9 966 100.0	... All causes	6 184 100.0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years	
1 Tuberculosis (A15-A19)	853 9.4	1 Tuberculosis (A15-A19)	618 11.2	1 Diabetes mellitus (E10-E14)	439 12.2
2 Diabetes mellitus (E10-E14)	777 8.5	2 Ischaemic heart diseases (I20-I25)	509 9.2	2 Cerebrovascular diseases (I60-I69)	309 8.6
3 Ischaemic heart diseases (I20-I25)	736 8.1	3 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	388 7.0	3 Tuberculosis (A15-A19)	235 6.5
4 Cerebrovascular diseases (I60-I69)	668 7.3	4 Chronic lower respiratory diseases (J40-J47)	384 7.0	4 Ischaemic heart diseases (I20-I25)	227 6.3
5 Chronic lower respiratory diseases (J40-J47)	602 6.6	5 Malignant neoplasms of digestive organs (C15-C26)	371 6.7	5 Chronic lower respiratory diseases (J40-J47)	218 6.0
6 Malignant neoplasms of digestive organs (C15-C26)	579 6.4	6 Cerebrovascular diseases (I60-I69)	359 6.5	6 Malignant neoplasms of digestive organs (C15-C26)	208 5.8
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	552 6.1	7 Diabetes mellitus (E10-E14)	338 6.1	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	164 4.5
8 Other forms of heart disease (I30-I52)	313 3.4	8 Other forms of heart disease (I30-I52)	165 3.0	8 Other forms of heart disease (I30-I52)	148 4.1
9 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	233 2.6	9 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	118 2.1	9 Malignant neoplasms of breast (C50)	133 3.7
10 Hypertensive diseases (I10-I15)	231 2.5	10 Hypertensive diseases (I10-I15)	110 2.0	10 Malignant neoplasms of female genital organs (C51-C58)	127 3.5
... Other causes	3 571 39.2	... Other causes	2 148 39.0	... Other causes	1 399 38.8
... All causes	9 115 100.0	... All causes	5 508 100.0	... All causes	3 607 100.0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	1 773 11.6	1 Ischaemic heart diseases (I20-I25)	851 12.1	1 Cerebrovascular diseases (I60-I69)	1 065 12.9
2 Ischaemic heart diseases (I20-I25)	1 751 11.4	2 Cerebrovascular diseases (I60-I69)	708 10.1	2 Diabetes mellitus (E10-E14)	927 11.2
3 Diabetes mellitus (E10-E14)	1 404 9.2	3 Chronic lower respiratory diseases (J40-J47)	581 8.3	3 Ischaemic heart diseases (I20-I25)	900 10.9
4 Other forms of heart disease (I30-I52)	1 060 6.9	4 Diabetes mellitus (E10-E14)	477 6.8	4 Other forms of heart disease (I30-I52)	627 7.6
5 Chronic lower respiratory diseases (J40-J47)	964 6.3	5 Other forms of heart disease (I30-I52)	433 6.2	5 Hypertensive diseases (I10-I15)	417 5.0
6 Malignant neoplasms of digestive organs (C15-C26)	776 5.1	6 Malignant neoplasms of digestive organs (C15-C26)	399 5.7	6 Chronic lower respiratory diseases (J40-J47)	383 4.6
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	595 3.9	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	367 5.2	7 Malignant neoplasms of digestive organs (C15-C26)	377 4.6
8 Hypertensive diseases (I10-I15)	584 3.8	8 Malignant neoplasms of male genital organs (C60-C63)	260 3.7	8 Influenza and pneumonia (J10-J18)	239 2.9
9 Influenza and pneumonia (J10-J18)	422 2.8	9 Tuberculosis (A15-A19)	217 3.1	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	228 2.8
10 Tuberculosis (A15-A19)	341 2.2	10 Influenza and pneumonia (J10-J18)	183 2.6	10 Malignant neoplasms of breast (C50)	191 2.3
... Other causes	5 629 36.8	... Other causes	2 559 36.4	... Other causes	2 910 35.2
... All causes	15 299 100.0	... All causes	7 035 100.0	... All causes	8 264 100.0

Excluding a total of 393 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 2003

Eastern Cape, both sexes, all ages		Eastern Cape, male, all ages		Eastern Cape, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	10 633 13.1	1 Tuberculosis (A15-A19)	5 780 14.4	1 Tuberculosis (A15-A19)	4 853 11.8
2 Influenza and pneumonia (J10-J18)	4 433 5.5	2 Chronic lower respiratory diseases (J40-J47)	2 158 5.4	2 Influenza and pneumonia (J10-J18)	2 440 6.0
3 Cerebrovascular diseases (I60-I69)	4 062 5.0	3 Influenza and pneumonia (J10-J18)	1 993 5.0	3 Cerebrovascular diseases (I60-I69)	2 361 5.8
4 Chronic lower respiratory diseases (J40-J47)	3 764 4.6	4 Cerebrovascular diseases (I60-I69)	1 701 4.2	4 Other forms of heart disease (I30-I52)	1 910 4.7
5 Other forms of heart disease (I30-I52)	3 335 4.1	5 Other forms of heart disease (I30-I52)	1 425 3.5	5 Intestinal infectious diseases (A00-A09)	1 898 4.6
6 Intestinal infectious diseases (A00-A09)	3 191 3.9	6 Intestinal infectious diseases (A00-A09)	1 293 3.2	6 Chronic lower respiratory diseases (J40-J47)	1 606 3.9
7 Diabetes mellitus (E10-E14)	2 506 3.1	7 Malignant neoplasms of digestive organs (C15-C26)	984 2.5	7 Diabetes mellitus (E10-E14)	1 589 3.9
8 Certain disorders involving the immune mechanism (D80-D89)	2 035 2.5	8 Diabetes mellitus (E10-E14)	917 2.3	8 Certain disorders involving the immune mechanism (D80-D89)	1 269 3.1
9 Malignant neoplasms of digestive organs (C15-C26)	1 811 2.2	9 Ischaemic heart diseases (I20-I25)	777 1.9	9 Hypertensive diseases (I10-I15)	1 115 2.7
10 Human immunodeficiency virus [HIV] disease (B20-B24)	1 775 2.2	10 Certain disorders involving the immune mechanism (D80-D89)	766 1.9	10 Human immunodeficiency virus [HIV] disease (B20-B24)	1 110 2.7
... Other causes	43 574 53.7	... Other causes	22 356 55.7	... Other causes	20 818 50.8
... All causes	81 119 100.0	... All causes	40 150 100.0	... All causes	40 969 100.0
Eastern Cape, both sexes, 0-14 years		Eastern Cape, male, 0-14 years		Eastern Cape, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 127 17.7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	577 16.8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	550 18.7
2 Digestive system disorders of foetus and newborn (P75-P78)	720 11.3	2 Digestive system disorders of foetus and newborn (P75-P78)	369 10.7	2 Digestive system disorders of foetus and newborn (P75-P78)	351 12.0
3 Intestinal infectious diseases (A00-A09)	397 6.2	3 Intestinal infectious diseases (A00-A09)	219 6.4	3 Intestinal infectious diseases (A00-A09)	178 6.1
4 Other disorders originating in the perinatal period (P90-P96)	378 5.9	4 Other disorders originating in the perinatal period (P90-P96)	203 5.9	4 Other disorders originating in the perinatal period (P90-P96)	175 6.0
5 Certain disorders involving the immune mechanism (D80-D89)	225 3.5	5 Certain disorders involving the immune mechanism (D80-D89)	113 3.3	5 Certain disorders involving the immune mechanism (D80-D89)	112 3.8
6 Influenza and pneumonia (J10-J18)	189 3.0	6 Disorders related to the length of gestation and foetal growth (P05-P08)	109 3.2	6 Influenza and pneumonia (J10-J18)	90 3.1
7 Disorders related to the length of gestation and foetal growth (P05-P08)	188 2.9	7 Tuberculosis (A15-A19)	103 3.0	7 Infections specific to the perinatal period (P35-P39)	88 3.0
8 Infections specific to the perinatal period (P35-P39)	187 2.9	8 Influenza and pneumonia (J10-J18)	99 2.9	8 Tuberculosis (A15-A19)	82 2.8
9 Tuberculosis (A15-A19)	185 2.9	9 Infections specific to the perinatal period (P35-P39)	99 2.9	9 Disorders related to the length of gestation and foetal growth (P05-P08)	79 2.7
10 Other viral diseases (B25-B34)	161 2.5	10 Other viral diseases (B25-B34)	84 2.4	10 Other viral diseases (B25-B34)	77 2.6
... Other causes	2 623 41.1	... Other causes	1 468 42.6	... Other causes	1 155 39.3
... All causes	6 380 100.0	... All causes	3 443 100.0	... All causes	2 937 100.0
Eastern Cape, both sexes, 15-49 years		Eastern Cape, male, 15-49 years		Eastern Cape, female, 15-49 years	
1 Tuberculosis (A15-A19)	7 317 19.9	1 Tuberculosis (A15-A19)	3 660 20.5	1 Tuberculosis (A15-A19)	3 657 19.4
2 Influenza and pneumonia (J10-J18)	2 511 6.8	2 Influenza and pneumonia (J10-J18)	1 027 5.7	2 Influenza and pneumonia (J10-J18)	1 484 7.9
3 Intestinal infectious diseases (A00-A09)	1 880 5.1	3 Intestinal infectious diseases (A00-A09)	671 3.8	3 Intestinal infectious diseases (A00-A09)	1 209 6.4
4 Certain disorders involving the immune mechanism (D80-D89)	1 656 4.5	4 Certain disorders involving the immune mechanism (D80-D89)	581 3.3	4 Certain disorders involving the immune mechanism (D80-D89)	1 075 5.7
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 549 4.2	5 Human immunodeficiency virus [HIV] disease (B20-B24)	533 3.0	5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 016 5.4
6 Other viral diseases (B25-B34)	971 2.6	6 Chronic lower respiratory diseases (J40-J47)	413 2.3	6 Other viral diseases (B25-B34)	627 3.3
7 Chronic lower respiratory diseases (J40-J47)	828 2.3	7 Other viral diseases (B25-B34)	344 1.9	7 Chronic lower respiratory diseases (J40-J47)	415 2.2
8 Other forms of heart disease (I30-I52)	721 2.0	8 Other forms of heart disease (I30-I52)	331 1.9	8 Other forms of heart disease (I30-I52)	390 2.1
9 Cerebrovascular diseases (I60-I69)	648 1.8	9 Episodic and paroxysmal disorders (G40-G47)	317 1.8	9 Inflammatory diseases of the central nervous system (G00-G09)	354 1.9
10 Inflammatory diseases of the central nervous system (G00-G09)	625 1.7	10 Cerebrovascular diseases (I60-I69)	307 1.7	10 Cerebrovascular diseases (I60-I69)	341 1.8
... Other causes	18 025 49.1	... Other causes	9 689 54.2	... Other causes	8 290 44.0
... All causes	36 731 100.0	... All causes	17 873 100.0	... All causes	18 858 100.0
Eastern Cape, both sexes, 50-64 years		Eastern Cape, male, 50-64 years		Eastern Cape, female, 50-64 years	
1 Tuberculosis (A15-A19)	1 890 13.1	1 Tuberculosis (A15-A19)	1 295 15.3	1 Tuberculosis (A15-A19)	595 9.9
2 Chronic lower respiratory diseases (J40-J47)	1 010 7.0	2 Chronic lower respiratory diseases (J40-J47)	701 8.3	2 Cerebrovascular diseases (I60-I69)	514 8.5
3 Cerebrovascular diseases (I60-I69)	1 009 7.0	3 Cerebrovascular diseases (I60-I69)	485 5.9	3 Diabetes mellitus (E10-E14)	506 8.4
4 Diabetes mellitus (E10-E14)	860 5.9	4 Other forms of heart disease (I30-I52)	397 4.7	4 Other forms of heart disease (I30-I52)	356 5.9
5 Other forms of heart disease (I30-I52)	753 5.2	5 Influenza and pneumonia (J10-J18)	389 4.6	5 Chronic lower respiratory diseases (J40-J47)	309 5.1
6 Influenza and pneumonia (J10-J18)	658 4.5	6 Malignant neoplasms of digestive organs (C15-C26)	359 4.2	6 Influenza and pneumonia (J10-J18)	269 4.5
7 Malignant neoplasms of digestive organs (C15-C26)	591 4.1	7 Diabetes mellitus (E10-E14)	354 4.2	7 Hypertensive diseases (I10-I15)	247 4.1
8 Hypertensive diseases (I10-I15)	432 3.0	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	263 3.1	8 Malignant neoplasms of digestive organs (C15-C26)	232 3.9
9 Ischaemic heart diseases (I20-I25)	379 2.6	9 Ischaemic heart diseases (I20-I25)	247 2.9	9 Malignant neoplasms of female genital organs (C51-C58)	177 2.9
10 Intestinal infectious diseases (A00-A09)	341 2.4	10 Hypertensive diseases (I10-I15)	185 2.2	10 Intestinal infectious diseases (A00-A09)	159 2.6
... Other causes	6 547 45.2	... Other causes	3 768 44.6	... Other causes	2 653 44.1
... All causes	14 470 100.0	... All causes	8 453 100.0	... All causes	6 017 100.0
Eastern Cape, both sexes, 65 years and above		Eastern Cape, male, 65 years and above		Eastern Cape, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	2 389 10.1	1 Chronic lower respiratory diseases (J40-J47)	1 021 9.8	1 Cerebrovascular diseases (I60-I69)	1 500 11.4
2 Chronic lower respiratory diseases (J40-J47)	1 886 8.0	2 Cerebrovascular diseases (I60-I69)	889 8.6	2 Other forms of heart disease (I30-I52)	1 139 8.7
3 Other forms of heart disease (I30-I52)	1 807 7.7	3 Tuberculosis (A15-A19)	722 7.0	3 Chronic lower respiratory diseases (J40-J47)	865 6.6
4 Diabetes mellitus (E10-E14)	1 279 5.4	4 Other forms of heart disease (I30-I52)	668 6.4	4 Diabetes mellitus (E10-E14)	859 6.5
5 Tuberculosis (A15-A19)	1 241 5.3	5 Influenza and pneumonia (J10-J18)	478 4.6	5 Hypertensive diseases (I10-I15)	716 5.4
6 Influenza and pneumonia (J10-J18)	1 075 4.6	6 Malignant neoplasms of digestive organs (C15-C26)	441 4.2	6 Influenza and pneumonia (J10-J18)	597 4.5
7 Hypertensive diseases (I10-I15)	1 065 4.5	7 Diabetes mellitus (E10-E14)	420 4.0	7 Tuberculosis (A15-A19)	519 3.9
8 Malignant neoplasms of digestive organs (C15-C26)	909 3.9	8 Ischaemic heart diseases (I20-I25)	389 3.7	8 Malignant neoplasms of digestive organs (C15-C26)	468 3.6
9 Ischaemic heart diseases (I20-I25)	750 3.2	9 Hypertensive diseases (I10-I15)	349 3.4	9 Ischaemic heart diseases (I20-I25)	361 2.7
10 Intestinal infectious diseases (A00-A09)	573 2.4	10 Malignant neoplasms of male genital organs (C60-C63)	242 2.3	10 Intestinal infectious diseases (A00-A09)	352 2.7
... Other causes	10 564 44.9	... Other causes	4 762 45.9	... Other causes	5 781 43.9
... All causes	23 538 100.0	... All causes	10 381 100.0	... All causes	13 157 100.0

Excluding a total of 601 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 2003

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages			
No.	%	No.	%	No.	%		
1 Tuberculosis (A15-A19)	1 467	12,3	870	13,9	1 Tuberculosis (A15-A19)	597	10,6
2 Influenza and pneumonia (J10-J18)	833	7,0	406	6,5	2 Influenza and pneumonia (J10-J18)	427	7,6
3 Cerebrovascular diseases (I60-I69)	737	6,2	347	5,5	3 Cerebrovascular diseases (I60-I69)	414	7,4
4 Other forms of heart disease (I30-I52)	572	4,8	323	5,2	4 Other forms of heart disease (I30-I52)	304	5,4
5 Chronic lower respiratory diseases (J40-J47)	534	4,5	268	4,3	5 Human immunodeficiency virus [HIV] disease (B20-B24)	226	4,0
6 Ischaemic heart diseases (I20-I25)	423	3,6	239	3,8	6 Diabetes mellitus (E10-E14)	207	3,7
7 Human immunodeficiency virus [HIV] disease (B20-B24)	361	3,0	209	3,3	7 Chronic lower respiratory diseases (J40-J47)	187	3,3
8 Intestinal infectious diseases (A00-A09)	333	2,8	151	2,4	8 Ischaemic heart diseases (I20-I25)	184	3,3
9 Diabetes mellitus (E10-E14)	321	2,7	150	2,4	9 Intestinal infectious diseases (A00-A09)	183	3,2
10 Malignant neoplasms of digestive organs (C15-C26)	307	2,6	141	2,2	10 Hypertensive diseases (I10-I15)	177	3,1
... Other causes	6 013	50,5	3 166	50,5	... Other causes	2 725	48,4
... All causes	11 901	100,0	6 270	100,0	... All causes	5 631	100,0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years			
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	293	23,9	151	22,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	142	25,6
2 Digestive system disorders of foetus and newborn (P75-P78)	153	12,5	84	12,5	2 Digestive system disorders of foetus and newborn (P75-P78)	69	12,4
3 Intestinal infectious diseases (A00-A09)	74	6,0	45	6,7	3 Intestinal infectious diseases (A00-A09)	29	5,2
4 Disorders related to the length of gestation and foetal growth (P05-P08)	65	5,3	41	6,1	4 Malnutrition (E40-E46)	27	4,9
5 Malnutrition (E40-E46)	61	5,0	34	5,1	5 Disorders related to the length of gestation and foetal growth (P05-P08)	24	4,3
6 Influenza and pneumonia (J10-J18)	49	4,0	27	4,0	6 Other disorders originating in the perinatal period (P90-P96)	24	4,3
7 Certain disorders involving the immune mechanism (D80-D89)	41	3,3	24	3,6	7 Influenza and pneumonia (J10-J18)	22	4,0
8 Other disorders originating in the perinatal period (P90-P96)	38	3,1	21	3,1	8 Certain disorders involving the immune mechanism (D80-D89)	17	3,1
9 Infections specific to the perinatal period (P35-P39)	35	2,9	18	2,7	9 Tuberculosis (A15-A19)	14	2,5
10 Human immunodeficiency virus [HIV] disease (B20-B24)	27	2,2	14	2,1	10 Infections specific to the perinatal period (P35-P39)	14	2,5
... Other causes	389	31,8	211	31,5	... Other causes	173	31,2
... All causes	1 225	100,0	670	100,0	... All causes	555	100,0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years			
1 Tuberculosis (A15-A19)	1 059	20,9	584	22,2	1 Tuberculosis (A15-A19)	475	19,5
2 Influenza and pneumonia (J10-J18)	474	9,4	208	7,9	2 Influenza and pneumonia (J10-J18)	266	10,9
3 Human immunodeficiency virus [HIV] disease (B20-B24)	307	6,1	104	4,0	3 Human immunodeficiency virus [HIV] disease (B20-B24)	203	8,3
4 Certain disorders involving the immune mechanism (D80-D89)	227	4,5	81	3,1	4 Certain disorders involving the immune mechanism (D80-D89)	146	6,0
5 Intestinal infectious diseases (A00-A09)	155	3,1	72	2,7	5 Intestinal infectious diseases (A00-A09)	94	3,9
6 Cerebrovascular diseases (I60-I69)	145	2,9	62	2,4	6 Other viral diseases (B25-B34)	83	3,4
7 Other viral diseases (B25-B34)	144	2,8	61	2,3	7 Cerebrovascular diseases (I60-I69)	73	3,0
8 Other forms of heart disease (I30-I52)	134	2,6	61	2,3	8 Other forms of heart disease (I30-I52)	72	3,0
9 Chronic lower respiratory diseases (J40-J47)	110	2,2	56	2,1	9 Chronic lower respiratory diseases (J40-J47)	54	2,2
10 Diseases of liver (K70-K77)	79	1,6	45	1,7	10 Protozoal diseases (B50-B64)	41	1,7
... Other causes	2 226	44,0	1 291	49,2	... Other causes	928	38,1
... All causes	5 060	100,0	2 625	100,0	... All causes	2 435	100,0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years			
1 Tuberculosis (A15-A19)	270	11,5	194	13,8	1 Cerebrovascular diseases (I60-I69)	92	9,7
2 Cerebrovascular diseases (I60-I69)	193	8,2	125	8,9	2 Tuberculosis (A15-A19)	75	8,0
3 Chronic lower respiratory diseases (J40-J47)	183	7,9	101	7,2	3 Malignant neoplasms of female genital organs (C51-C58)	65	6,8
4 Influenza and pneumonia (J10-J18)	146	6,2	89	6,3	4 Diabetes mellitus (E10-E14)	63	6,6
5 Malignant neoplasms of digestive organs (C15-C26)	127	5,4	86	6,1	5 Influenza and pneumonia (J10-J18)	60	6,3
6 Ischaemic heart diseases (I20-I25)	126	5,4	85	6,1	6 Chronic lower respiratory diseases (J40-J47)	58	6,1
7 Other forms of heart disease (I30-I52)	124	5,3	74	5,3	7 Hypertensive diseases (I10-I15)	56	5,9
8 Diabetes mellitus (E10-E14)	104	4,4	55	3,9	8 Other forms of heart disease (I30-I52)	50	5,3
9 Hypertensive diseases (I10-I15)	78	3,3	41	2,9	9 Ischaemic heart diseases (I20-I25)	41	4,3
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	70	3,0	23	1,6	10 Malignant neoplasms of digestive organs (C15-C26)	38	4,0
... Other causes	934	39,7	530	37,8	... Other causes	353	37,1
... All causes	2 355	100,0	1 403	100,0	... All causes	952	100,0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above			
1 Cerebrovascular diseases (I60-I69)	398	12,2	165	10,5	1 Cerebrovascular diseases (I60-I69)	249	14,7
2 Other forms of heart disease (I30-I52)	309	9,5	149	9,5	2 Other forms of heart disease (I30-I52)	180	10,7
3 Chronic lower respiratory diseases (J40-J47)	236	7,2	129	8,2	3 Diabetes mellitus (E10-E14)	121	7,2
4 Ischaemic heart diseases (I20-I25)	226	6,9	108	6,9	4 Ischaemic heart diseases (I20-I25)	118	7,0
5 Diabetes mellitus (E10-E14)	175	5,4	92	5,9	5 Hypertensive diseases (I10-I15)	98	5,8
6 Influenza and pneumonia (J10-J18)	164	5,0	85	5,4	6 Influenza and pneumonia (J10-J18)	79	4,7
7 Hypertensive diseases (I10-I15)	155	4,8	81	5,2	7 Chronic lower respiratory diseases (J40-J47)	71	4,2
8 Malignant neoplasms of digestive organs (C15-C26)	137	4,2	65	4,1	8 Malignant neoplasms of digestive organs (C15-C26)	45	2,7
9 Tuberculosis (A15-A19)	113	3,5	63	4,0	9 Intestinal infectious diseases (A00-A09)	39	2,3
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	86	2,6	57	3,6	10 Tuberculosis (A15-A19)	32	1,9
... Other causes	1 262	38,7	578	36,8	... Other causes	657	38,9
... All causes	3 261	100,0	1 572	100,0	... All causes	1 689	100,0

Excluding a total of 69 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 2003

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages				
No.	%	No.	%	No.	%			
1 Influenza and pneumonia (J10-J18)	6 006	13.2	1 Tuberculosis (A15-A19)	3 182	13.8	1 Influenza and pneumonia (J10-J18)	3 289	14.6
2 Tuberculosis (A15-A19)	5 677	12.5	2 Influenza and pneumonia (J10-J18)	2 717	11.8	2 Tuberculosis (A15-A19)	2 495	11.1
3 Intestinal infectious diseases (A00-A09)	2 275	5.0	3 Intestinal infectious diseases (A00-A09)	974	4.2	3 Other forms of heart disease (I30-I52)	1 308	5.8
4 Other forms of heart disease (I30-I52)	2 274	5.0	4 Other forms of heart disease (I30-I52)	966	4.2	4 Intestinal infectious diseases (A00-A09)	1 301	5.8
5 Certain disorders involving the immune mechanism (D80-D89)	2 038	4.5	5 Certain disorders involving the immune mechanism (D80-D89)	920	4.0	5 Cerebrovascular diseases (I60-I69)	1 184	5.3
6 Cerebrovascular diseases (I60-I69)	1 998	4.4	6 Cerebrovascular diseases (I60-I69)	814	3.5	6 Certain disorders involving the immune mechanism (D80-D89)	1 118	5.0
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 551	3.4	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	803	3.5	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	748	3.3
8 Human immunodeficiency virus [HIV] disease (B20-B24)	1 014	2.2	8 Human immunodeficiency virus [HIV] disease (B20-B24)	594	2.6	8 Diabetes mellitus (E10-E14)	583	2.6
9 Chronic lower respiratory diseases (J40-J47)	1 009	2.2	9 Chronic lower respiratory diseases (J40-J47)	590	2.6	9 Hypertensive diseases (I10-I15)	537	2.4
10 Diabetes mellitus (E10-E14)	930	2.0	10 Digestive system disorders of foetus and newborn (P75-P78)	429	1.9	10 Human immunodeficiency virus [HIV] disease (B20-B24)	420	1.9
... Other causes	20 758	45.6	... Other causes	11 026	47.9	... Other causes	9 532	42.3
... All causes	45 530	100.0	... All causes	23 015	100.0	... All causes	22 515	100.0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 551	26.8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	803	26.3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	748	27.3
2 Digestive system disorders of foetus and newborn (P75-P78)	766	13.2	2 Digestive system disorders of foetus and newborn (P75-P78)	429	14.0	2 Digestive system disorders of foetus and newborn (P75-P78)	337	12.3
3 Other disorders originating in the perinatal period (P90-P96)	385	6.6	3 Other disorders originating in the perinatal period (P90-P96)	193	6.3	3 Other disorders originating in the perinatal period (P90-P96)	192	7.0
4 Intestinal infectious diseases (A00-A09)	322	5.6	4 Intestinal infectious diseases (A00-A09)	169	5.5	4 Intestinal infectious diseases (A00-A09)	153	5.6
5 Influenza and pneumonia (J10-J18)	291	5.0	5 Influenza and pneumonia (J10-J18)	164	5.4	5 Influenza and pneumonia (J10-J18)	127	4.6
6 Disorders related to the length of gestation and foetal growth (P05-P08)	270	4.7	6 Disorders related to the length of gestation and foetal growth (P05-P08)	150	4.9	6 Disorders related to the length of gestation and foetal growth (P05-P08)	120	4.4
7 Malnutrition (E40-E46)	223	3.8	7 Malnutrition (E40-E46)	109	3.6	7 Malnutrition (E40-E46)	114	4.2
8 Infections specific to the perinatal period (P35-P39)	167	2.9	8 Infections specific to the perinatal period (P35-P39)	83	2.7	8 Certain disorders involving the immune mechanism (D80-D89)	86	3.1
9 Certain disorders involving the immune mechanism (D80-D89)	166	2.9	9 Certain disorders involving the immune mechanism (D80-D89)	80	2.6	9 Infections specific to the perinatal period (P35-P39)	84	3.1
10 Tuberculosis (A15-A19)	142	2.4	10 Tuberculosis (A15-A19)	62	2.0	10 Tuberculosis (A15-A19)	80	2.9
... Other causes	1 514	26.1	... Other causes	814	26.6	... Other causes	700	25.5
... All causes	5 797	100.0	... All causes	3 056	100.0	... All causes	2 741	100.0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 509	19.1	1 Tuberculosis (A15-A19)	2 399	20.4	1 Influenza and pneumonia (J10-J18)	2 442	20.7
2 Influenza and pneumonia (J10-J18)	4 173	17.7	2 Influenza and pneumonia (J10-J18)	1 731	14.7	2 Tuberculosis (A15-A19)	2 110	17.9
3 Certain disorders involving the immune mechanism (D80-D89)	1 689	7.2	3 Certain disorders involving the immune mechanism (D80-D89)	726	6.2	3 Certain disorders involving the immune mechanism (D80-D89)	963	8.2
4 Intestinal infectious diseases (A00-A09)	1 445	6.1	4 Intestinal infectious diseases (A00-A09)	570	4.8	4 Intestinal infectious diseases (A00-A09)	875	7.4
5 Human immunodeficiency virus [HIV] disease (B20-B24)	862	3.7	5 Human immunodeficiency virus [HIV] disease (B20-B24)	498	4.2	5 Human immunodeficiency virus [HIV] disease (B20-B24)	364	3.1
6 Other forms of heart disease (I30-I52)	592	2.5	6 Cerebrovascular diseases (I60-I69)	245	2.1	6 Other forms of heart disease (I30-I52)	351	3.0
7 Cerebrovascular diseases (I60-I69)	487	2.1	7 Other forms of heart disease (I30-I52)	241	2.0	7 Cerebrovascular diseases (I60-I69)	242	2.1
8 Inflammatory diseases of the central nervous system (G00-G09)	420	1.8	8 Inflammatory diseases of the central nervous system (G00-G09)	206	1.8	8 Inflammatory diseases of the central nervous system (G00-G09)	214	1.8
9 Other viral diseases (B25-B34)	275	1.2	9 Chronic lower respiratory diseases (J40-J47)	151	1.3	9 Aplastic and other anaemias (D60-D64)	157	1.3
10 Chronic lower respiratory diseases (J40-J47)	260	1.1	10 Other viral diseases (B25-B34)	137	1.2	10 Other viral diseases (B25-B34)	138	1.2
... Other causes	8 838	37.5	... Other causes	4 857	41.3	... Other causes	3 933	33.4
... All causes	23 550	100.0	... All causes	11 761	100.0	... All causes	11 789	100.0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years				
1 Tuberculosis (A15-A19)	814	11.2	1 Tuberculosis (A15-A19)	572	13.1	1 Influenza and pneumonia (J10-J18)	336	11.4
2 Influenza and pneumonia (J10-J18)	807	11.1	2 Influenza and pneumonia (J10-J18)	471	10.8	2 Cerebrovascular diseases (I60-I69)	289	9.8
3 Other forms of heart disease (I30-I52)	556	7.6	3 Other forms of heart disease (I30-I52)	303	7.0	3 Other forms of heart disease (I30-I52)	253	8.6
4 Cerebrovascular diseases (I60-I69)	534	7.3	4 Cerebrovascular diseases (I60-I69)	245	5.6	4 Tuberculosis (A15-A19)	242	8.2
5 Chronic lower respiratory diseases (J40-J47)	313	4.3	5 Chronic lower respiratory diseases (J40-J47)	189	4.3	5 Diabetes mellitus (E10-E14)	168	5.7
6 Diabetes mellitus (E10-E14)	282	3.9	6 Malignant neoplasms of digestive organs (C15-C26)	156	3.6	6 Intestinal infectious diseases (A00-A09)	132	4.5
7 Intestinal infectious diseases (A00-A09)	273	3.7	7 Ischaemic heart diseases (I20-I25)	143	3.3	7 Hypertensive diseases (I10-I15)	131	4.5
8 Hypertensive diseases (I10-I15)	248	3.4	8 Intestinal infectious diseases (A00-A09)	141	3.2	8 Chronic lower respiratory diseases (J40-J47)	124	4.2
9 Malignant neoplasms of digestive organs (C15-C26)	216	3.0	9 Hypertensive diseases (I10-I15)	117	2.7	9 Malignant neoplasms of female genital organs (C51-C58)	77	2.6
10 Ischaemic heart diseases (I20-I25)	208	2.9	10 Diabetes mellitus (E10-E14)	114	2.6	10 Ischaemic heart diseases (I20-I25)	65	2.2
... Other causes	3 039	41.7	... Other causes	1 900	43.7	... Other causes	1 122	38.2
... All causes	7 290	100.0	... All causes	4 351	100.0	... All causes	2 939	100.0
Free State, both sexes, 65 years and above		Free State, male, 65 years and above		Free State, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	1 099	12.4	1 Other forms of heart disease (I30-I52)	410	10.7	1 Other forms of heart disease (I30-I52)	689	13.7
2 Cerebrovascular diseases (I60-I69)	969	10.9	2 Influenza and pneumonia (J10-J18)	351	9.1	2 Cerebrovascular diseases (I60-I69)	650	12.9
3 Influenza and pneumonia (J10-J18)	735	8.3	3 Cerebrovascular diseases (I60-I69)	319	8.3	3 Influenza and pneumonia (J10-J18)	384	7.6
4 Diabetes mellitus (E10-E14)	483	5.4	4 Chronic lower respiratory diseases (J40-J47)	243	6.3	4 Diabetes mellitus (E10-E14)	324	6.4
5 Hypertensive diseases (I10-I15)	474	5.3	5 Ischaemic heart diseases (I20-I25)	200	5.2	5 Hypertensive diseases (I10-I15)	322	6.4
6 Chronic lower respiratory diseases (J40-J47)	423	4.8	6 Diabetes mellitus (E10-E14)	159	4.1	6 Ischaemic heart diseases (I20-I25)	192	3.8
7 Ischaemic heart diseases (I20-I25)	392	4.4	7 Hypertensive diseases (I10-I15)	152	4.0	7 Chronic lower respiratory diseases (J40-J47)	180	3.6
8 Intestinal infectious diseases (A00-A09)	235	2.6	8 Tuberculosis (A15-A19)	149	3.9	8 Intestinal infectious diseases (A00-A09)	141	2.8
9 Malignant neoplasms of digestive organs (C15-C26)	224	2.5	9 Malignant neoplasms of digestive organs (C15-C26)	132	3.4	9 Malignant neoplasms of female genital organs (C51-C58)	99	2.0
10 Tuberculosis (A15-A19)	212	2.4	10 Malignant neoplasms of male genital organs (C60-C63)	103	2.7	10 Malignant neoplasms of digestive organs (C15-C26)	92	1.8
... Other causes	3 647	41.0	... Other causes	1 629	42.3	... Other causes	1 973	39.1
... All causes	8 893	100.0	... All causes	3 847	100.0	... All causes	5 046	100.0

Excluding a total of 194 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 2003

KwaZulu-Natal, both sexes, all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages			
No.	%	No.	%	No.	%		
1 Tuberculosis (A15-A19)	20 476	16,0	10 744	16,9	1 Tuberculosis (A15-A19)	9 732	15,0
2 Influenza and pneumonia (J10-J18)	9 282	7,2	4 254	6,7	2 Influenza and pneumonia (J10-J18)	5 028	7,8
3 Cerebrovascular diseases (I60-I69)	6 566	5,1	2 799	4,4	3 Cerebrovascular diseases (I60-I69)	3 973	6,1
4 Intestinal infectious diseases (A00-A09)	6 544	5,1	2 593	4,1	4 Intestinal infectious diseases (A00-A09)	3 745	5,8
5 Other forms of heart disease (I30-I52)	4 870	3,8	2 162	3,4	5 Diabetes mellitus (E10-E14)	2 773	4,3
6 Diabetes mellitus (E10-E14)	4 286	3,3	1 781	2,8	6 Other forms of heart disease (I30-I52)	2 708	4,2
7 Chronic lower respiratory diseases (J40-J47)	2 995	2,3	1 602	2,5	7 Hypertensive diseases (I10-I15)	1 478	2,3
8 Ischaemic heart diseases (I20-I25)	2 819	2,2	1 513	2,4	8 Human immunodeficiency virus [HIV] disease (B20-B24)	1 376	2,1
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 673	2,1	1 434	2,3	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 239	1,9
10 Human immunodeficiency virus [HIV] disease (B20-B24)	2 585	2,0	1 209	1,9	10 Ischaemic heart diseases (I20-I25)	1 217	1,9
... Other causes	65 189	50,8	33 460	52,7	... Other causes	31 465	48,6
... All causes	128 285	100,0	63 551	100,0	... All causes	64 734	100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years			
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 673	19,0	1 434	19,1	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 239	18,8
2 Digestive system disorders of foetus and newborn (P75-P78)	1 772	12,6	922	12,3	2 Digestive system disorders of foetus and newborn (P75-P78)	850	12,9
3 Intestinal infectious diseases (A00-A09)	1 044	7,4	523	7,0	3 Intestinal infectious diseases (A00-A09)	521	7,9
4 Other disorders originating in the perinatal period (P90-P96)	836	5,9	400	5,3	4 Other disorders originating in the perinatal period (P90-P96)	436	6,6
5 Influenza and pneumonia (J10-J18)	611	4,3	339	4,5	5 Influenza and pneumonia (J10-J18)	281	4,3
6 Infections specific to the perinatal period (P35-P39)	583	4,1	330	4,4	6 Tuberculosis (A15-A19)	255	3,9
7 Tuberculosis (A15-A19)	571	4,1	316	4,2	7 Infections specific to the perinatal period (P35-P39)	244	3,7
8 Disorders related to the length of gestation and foetal growth (P05-P08)	451	3,2	246	3,3	8 Disorders related to the length of gestation and foetal growth (P05-P08)	205	3,1
9 Malnutrition (E40-E46)	371	2,6	198	2,6	9 Malnutrition (E40-E46)	173	2,6
10 Other viral diseases (B25-B34)	284	2,0	147	2,0	10 Other viral diseases (B25-B34)	137	2,1
... Other causes	4 875	34,6	2 643	35,2	... Other causes	2 232	34,0
... All causes	14 071	100,0	7 498	100,0	... All causes	6 573	100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years			
1 Tuberculosis (A15-A19)	16 407	24,4	8 111	24,1	1 Tuberculosis (A15-A19)	8 296	24,7
2 Influenza and pneumonia (J10-J18)	6 323	9,4	2 705	8,1	2 Influenza and pneumonia (J10-J18)	3 618	10,8
3 Intestinal infectious diseases (A00-A09)	3 958	5,9	1 599	4,8	3 Intestinal infectious diseases (A00-A09)	2 359	7,0
4 Human immunodeficiency virus [HIV] disease (B20-B24)	2 175	3,2	975	2,9	4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 200	3,6
5 Certain disorders involving the immune mechanism (D80-D89)	1 627	2,4	726	2,2	5 Certain disorders involving the immune mechanism (D80-D89)	953	2,8
6 Inflammatory diseases of the central nervous system (G00-G09)	1 569	2,3	674	2,0	6 Inflammatory diseases of the central nervous system (G00-G09)	843	2,5
7 Other viral diseases (B25-B34)	1 404	2,1	657	2,0	7 Other viral diseases (B25-B34)	821	2,4
8 Cerebrovascular diseases (I60-I69)	1 309	1,9	601	1,8	8 Cerebrovascular diseases (I60-I69)	652	1,9
9 Other forms of heart disease (I30-I52)	1 243	1,8	583	1,7	9 Other forms of heart disease (I30-I52)	642	1,9
10 Other acute lower respiratory infections (J20-J22)	1 058	1,6	489	1,5	10 Other acute lower respiratory infections (J20-J22)	569	1,7
... Other causes	30 134	44,8	16 472	49,0	... Other causes	13 662	40,6
... All causes	67 207	100,0	33 592	100,0	... All causes	33 615	100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years			
1 Tuberculosis (A15-A19)	2 562	13,0	1 775	15,2	1 Diabetes mellitus (E10-E14)	869	10,7
2 Cerebrovascular diseases (I60-I69)	1 579	8,0	762	6,5	2 Cerebrovascular diseases (I60-I69)	817	10,1
3 Diabetes mellitus (E10-E14)	1 490	7,5	636	5,5	3 Tuberculosis (A15-A19)	787	9,7
4 Other forms of heart disease (I30-I52)	1 078	5,5	624	5,4	4 Other forms of heart disease (I30-I52)	494	6,1
5 Influenza and pneumonia (J10-J18)	1 030	5,2	621	5,3	5 Influenza and pneumonia (J10-J18)	394	4,9
6 Ischaemic heart diseases (I20-I25)	877	4,4	585	5,0	6 Intestinal infectious diseases (A00-A09)	335	4,1
7 Chronic lower respiratory diseases (J40-J47)	852	4,3	584	5,0	7 Hypertensive diseases (I10-I15)	316	3,9
8 Intestinal infectious diseases (A00-A09)	717	3,6	382	3,3	8 Ischaemic heart diseases (I20-I25)	292	3,6
9 Hypertensive diseases (I10-I15)	582	2,9	311	2,7	9 Chronic lower respiratory diseases (J40-J47)	228	2,8
10 Malignant neoplasms of digestive organs (C15-C26)	474	2,4	266	2,3	10 Malignant neoplasms of female genital organs (C51-C58)	204	2,5
... Other causes	8 501	43,1	5 099	43,8	... Other causes	3 361	41,5
... All causes	19 742	100,0	11 645	100,0	... All causes	8 097	100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above			
1 Cerebrovascular diseases (I60-I69)	3 635	13,3	1 153	10,7	1 Cerebrovascular diseases (I60-I69)	2 482	15,1
2 Other forms of heart disease (I30-I52)	2 443	9,0	925	8,6	2 Diabetes mellitus (E10-E14)	1 591	9,7
3 Diabetes mellitus (E10-E14)	2 252	8,3	698	6,5	3 Other forms of heart disease (I30-I52)	1 518	9,2
4 Ischaemic heart diseases (I20-I25)	1 457	5,3	671	6,2	4 Hypertensive diseases (I10-I15)	987	6,0
5 Hypertensive diseases (I10-I15)	1 354	5,0	661	6,1	5 Ischaemic heart diseases (I20-I25)	759	4,6
6 Influenza and pneumonia (J10-J18)	1 318	4,8	583	5,4	6 Influenza and pneumonia (J10-J18)	735	4,5
7 Chronic lower respiratory diseases (J40-J47)	1 154	4,2	542	5,0	7 Intestinal infectious diseases (A00-A09)	530	3,2
8 Tuberculosis (A15-A19)	936	3,4	367	3,4	8 Chronic lower respiratory diseases (J40-J47)	483	2,9
9 Intestinal infectious diseases (A00-A09)	825	3,0	340	3,1	9 Tuberculosis (A15-A19)	394	2,4
10 Malignant neoplasms of digestive organs (C15-C26)	677	2,5	295	2,7	10 Malignant neoplasms of digestive organs (C15-C26)	337	2,0
... Other causes	11 214	41,1	4 581	42,4	... Other causes	6 633	40,3
... All causes	27 265	100,0	10 816	100,0	... All causes	16 449	100,0

Excluding a total of 1302 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 2003

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	5 939 12,1	1 Tuberculosis (A15-A19)	3 356 13,3	1 Influenza and pneumonia (J10-J18)	2 848 11,9
2 Influenza and pneumonia (J10-J18)	5 529 11,2	2 Influenza and pneumonia (J10-J18)	2 681 10,6	2 Tuberculosis (A15-A19)	2 583 10,8
3 Other forms of heart disease (I30-I52)	2 998 6,1	3 Other forms of heart disease (I30-I52)	1 409 5,6	3 Other forms of heart disease (I30-I52)	1 589 6,6
4 Cerebrovascular diseases (I60-I69)	2 460 5,0	4 Cerebrovascular diseases (I60-I69)	1 170 4,6	4 Cerebrovascular diseases (I60-I69)	1 290 5,4
5 Intestinal infectious diseases (A00-A09)	2 270 4,6	5 Intestinal infectious diseases (A00-A09)	1 005 4,0	5 Intestinal infectious diseases (A00-A09)	1 265 5,3
6 Certain disorders involving the immune mechanism (D80-D89)	2 241 4,6	6 Certain disorders involving the immune mechanism (D80-D89)	997 3,9	6 Certain disorders involving the immune mechanism (D80-D89)	1 244 5,2
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 624 3,3	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	848 3,4	7 Hypertensive diseases (I10-I15)	966 4,0
8 Hypertensive diseases (I10-I15)	1 513 3,1	8 Chronic lower respiratory diseases (J40-J47)	804 3,2	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	776 3,2
9 Chronic lower respiratory diseases (J40-J47)	1 301 2,6	9 Hypertensive diseases (I10-I15)	547 2,2	9 Diabetes mellitus (E10-E14)	642 2,7
10 Human immunodeficiency virus [HIV] disease (B20-B24)	1 109 2,3	10 Human immunodeficiency virus [HIV] disease (B20-B24)	542 2,1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	567 2,4
... Other causes	22 206 45,1	... Other causes	11 903 47,1	... Other causes	10 158 42,5
... All causes	49 190 100,0	... All causes	25 262 100,0	... All causes	23 928 100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 624 24,6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	848 24,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	776 24,7
2 Digestive system disorders of foetus and newborn (P75-P78)	961 14,6	2 Digestive system disorders of foetus and newborn (P75-P78)	492 14,2	2 Digestive system disorders of foetus and newborn (P75-P78)	469 14,9
3 Intestinal infectious diseases (A00-A09)	478 7,2	3 Intestinal infectious diseases (A00-A09)	266 7,7	3 Intestinal infectious diseases (A00-A09)	212 6,7
4 Influenza and pneumonia (J10-J18)	425 6,4	4 Influenza and pneumonia (J10-J18)	226 6,5	4 Influenza and pneumonia (J10-J18)	199 6,3
5 Certain disorders involving the immune mechanism (D80-D89)	342 5,2	5 Certain disorders involving the immune mechanism (D80-D89)	167 4,8	5 Certain disorders involving the immune mechanism (D80-D89)	175 5,6
6 Other disorders originating in the perinatal period (P90-P96)	257 3,9	6 Disorders related to the length of gestation and foetal growth (P05-P08)	137 4,0	6 Other disorders originating in the perinatal period (P90-P96)	131 4,2
7 Disorders related to the length of gestation and foetal growth (P05-P08)	249 3,8	7 Other disorders originating in the perinatal period (P90-P96)	126 3,6	7 Malnutrition (E40-E46)	123 3,9
8 Malnutrition (E40-E46)	238 3,6	8 Infections specific to the perinatal period (P35-P39)	122 3,5	8 Disorders related to the length of gestation and foetal growth (P05-P08)	112 3,6
9 Infections specific to the perinatal period (P35-P39)	219 3,3	9 Malnutrition (E40-E46)	115 3,3	9 Infections specific to the perinatal period (P35-P39)	97 3,1
10 Tuberculosis (A15-A19)	153 2,3	10 Tuberculosis (A15-A19)	83 2,4	10 Tuberculosis (A15-A19)	70 2,2
... Other causes	1 654 25,1	... Other causes	874 25,3	... Other causes	780 24,8
... All causes	6 600 100,0	... All causes	3 456 100,0	... All causes	3 144 100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years	
1 Tuberculosis (A15-A19)	4 625 19,2	1 Tuberculosis (A15-A19)	2 436 20,2	1 Tuberculosis (A15-A19)	2 189 18,2
2 Influenza and pneumonia (J10-J18)	3 709 15,4	2 Influenza and pneumonia (J10-J18)	1 651 13,7	2 Influenza and pneumonia (J10-J18)	2 058 17,1
3 Certain disorders involving the immune mechanism (D80-D89)	1 705 7,1	3 Certain disorders involving the immune mechanism (D80-D89)	717 5,9	3 Certain disorders involving the immune mechanism (D80-D89)	988 8,2
4 Intestinal infectious diseases (A00-A09)	1 276 5,3	4 Intestinal infectious diseases (A00-A09)	501 4,2	4 Intestinal infectious diseases (A00-A09)	775 6,4
5 Other forms of heart disease (I30-I52)	968 4,0	5 Human immunodeficiency virus [HIV] disease (B20-B24)	447 3,7	5 Other forms of heart disease (I30-I52)	527 4,4
6 Human immunodeficiency virus [HIV] disease (B20-B24)	959 4,0	6 Other forms of heart disease (I30-I52)	441 3,7	6 Human immunodeficiency virus [HIV] disease (B20-B24)	512 4,3
7 Cerebrovascular diseases (I60-I69)	506 2,1	7 Cerebrovascular diseases (I60-I69)	273 2,3	7 Other viral diseases (B25-B34)	253 2,1
8 Other viral diseases (B25-B34)	447 1,9	8 Other viral diseases (B25-B34)	194 1,6	8 Cerebrovascular diseases (I60-I69)	233 1,9
9 Chronic lower respiratory diseases (J40-J47)	388 1,6	9 Chronic lower respiratory diseases (J40-J47)	188 1,6	9 Other acute lower respiratory infections (J20-J22)	213 1,8
10 Other acute lower respiratory infections (J20-J22)	382 1,6	10 Inflammatory diseases of the central nervous system (G00-G09)	174 1,4	10 Chronic lower respiratory diseases (J40-J47)	200 1,7
... Other causes	9 122 37,9	... Other causes	5 039 41,8	... Other causes	4 078 33,9
... All causes	24 087 100,0	... All causes	12 061 100,0	... All causes	12 026 100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years	
1 Tuberculosis (A15-A19)	875 11,4	1 Tuberculosis (A15-A19)	621 13,4	1 Other forms of heart disease (I30-I52)	283 9,3
2 Influenza and pneumonia (J10-J18)	690 9,0	2 Influenza and pneumonia (J10-J18)	416 9,0	2 Influenza and pneumonia (J10-J18)	274 9,0
3 Other forms of heart disease (I30-I52)	605 7,9	3 Other forms of heart disease (I30-I52)	322 6,9	3 Cerebrovascular diseases (I60-I69)	269 8,8
4 Cerebrovascular diseases (I60-I69)	587 7,6	4 Cerebrovascular diseases (I60-I69)	318 6,9	4 Tuberculosis (A15-A19)	254 8,3
5 Chronic lower respiratory diseases (J40-J47)	401 5,2	5 Chronic lower respiratory diseases (J40-J47)	287 6,2	5 Hypertensive diseases (I10-I15)	192 6,3
6 Diabetes mellitus (E10-E14)	340 4,4	6 Malignant neoplasms of digestive organs (C15-C26)	181 3,9	6 Diabetes mellitus (E10-E14)	190 6,2
7 Hypertensive diseases (I10-I15)	332 4,3	7 Diabetes mellitus (E10-E14)	150 3,2	7 Intestinal infectious diseases (A00-A09)	124 4,1
8 Malignant neoplasms of digestive organs (C15-C26)	269 3,5	8 Hypertensive diseases (I10-I15)	140 3,0	8 Chronic lower respiratory diseases (J40-J47)	114 3,7
9 Intestinal infectious diseases (A00-A09)	251 3,3	9 Ischaemic heart diseases (I20-I25)	137 3,0	9 Malignant neoplasms of female genital organs (C51-C58)	114 3,7
10 Ischaemic heart diseases (I20-I25)	194 2,5	10 Intestinal infectious diseases (A00-A09)	127 2,7	10 Malignant neoplasms of digestive organs (C15-C26)	88 2,9
... Other causes	3 148 40,9	... Other causes	1 937 41,8	... Other causes	1 154 37,8
... All causes	7 692 100,0	... All causes	4 636 100,0	... All causes	3 056 100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above	
1 Other forms of heart disease (I30-I52)	1 395 12,9	1 Other forms of heart disease (I30-I52)	628 12,3	1 Cerebrovascular diseases (I60-I69)	780 13,7
2 Cerebrovascular diseases (I60-I69)	1 344 12,4	2 Cerebrovascular diseases (I60-I69)	564 11,0	2 Other forms of heart disease (I30-I52)	767 13,5
3 Hypertensive diseases (I10-I15)	963 9,1	3 Influenza and pneumonia (J10-J18)	388 7,6	3 Hypertensive diseases (I10-I15)	664 11,6
4 Influenza and pneumonia (J10-J18)	705 6,5	4 Chronic lower respiratory diseases (J40-J47)	320 6,3	4 Diabetes mellitus (E10-E14)	345 6,1
5 Diabetes mellitus (E10-E14)	536 5,0	5 Hypertensive diseases (I10-I15)	319 6,2	5 Influenza and pneumonia (J10-J18)	317 5,6
6 Chronic lower respiratory diseases (J40-J47)	491 4,5	6 Tuberculosis (A15-A19)	216 4,2	6 Chronic lower respiratory diseases (J40-J47)	171 3,0
7 Ischaemic heart diseases (I20-I25)	370 3,4	7 Ischaemic heart diseases (I20-I25)	207 4,1	7 Ischaemic heart diseases (I20-I25)	163 2,9
8 Malignant neoplasms of digestive organs (C15-C26)	319 3,0	8 Diabetes mellitus (E10-E14)	191 3,7	8 Intestinal infectious diseases (A00-A09)	154 2,7
9 Tuberculosis (A15-A19)	286 2,6	9 Malignant neoplasms of digestive organs (C15-C26)	188 3,7	9 Malignant neoplasms of digestive organs (C15-C26)	131 2,3
10 Intestinal infectious diseases (A00-A09)	265 2,5	10 Intestinal infectious diseases (A00-A09)	111 2,2	10 Malignant neoplasms of female genital organs (C51-C58)	90 1,6
... Other causes	4 117 38,1	... Other causes	1 977 38,7	... Other causes	2 120 37,2
... All causes	10 811 100,0	... All causes	5 109 100,0	... All causes	5 702 100,0

Excluding a total of 465 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 2003

Gauteng, both sexes, all ages		Gauteng, male, all ages		Gauteng, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	9 920 9.7	1 Tuberculosis (A15-A19)	5 545 10.1	1 Tuberculosis (A15-A19)	4 375 9.1
2 Influenza and pneumonia (J10-J18)	8 306 8.1	2 Influenza and pneumonia (J10-J18)	4 091 7.5	2 Influenza and pneumonia (J10-J18)	4 215 8.8
3 Other forms of heart disease (I30-I52)	4 534 4.4	3 Other forms of heart disease (I30-I52)	2 150 3.9	3 Other forms of heart disease (I30-I52)	2 384 5.0
4 Cerebrovascular diseases (I60-I69)	4 293 4.2	4 Cerebrovascular diseases (I60-I69)	1 912 3.5	4 Cerebrovascular diseases (I60-I69)	2 381 4.9
5 Intestinal infectious diseases (A00-A09)	3 292 3.2	5 Ischaemic heart diseases (I20-I25)	1 879 3.4	5 Intestinal infectious diseases (A00-A09)	1 823 3.8
6 Ischaemic heart diseases (I20-I25)	3 142 3.1	6 Intestinal infectious diseases (A00-A09)	1 469 2.7	6 Diabetes mellitus (E10-E14)	1 675 3.5
7 Diabetes mellitus (E10-E14)	2 947 2.9	7 Chronic lower respiratory diseases (J40-J47)	1 446 2.6	7 Certain disorders involving the immune mechanism (D80-D89)	1 447 3.0
8 Certain disorders involving the immune mechanism (D80-D89)	2 803 2.7	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 400 2.6	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 362 2.8
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 762 2.7	9 Certain disorders involving the immune mechanism (D80-D89)	1 356 2.5	9 Ischaemic heart diseases (I20-I25)	1 263 2.6
10 Chronic lower respiratory diseases (J40-J47)	2 511 2.4	10 Diabetes mellitus (E10-E14)	1 272 2.3	10 Hypertensive diseases (I10-I15)	1 257 2.6
... Other causes	58 269 56.7	... Other causes	32 136 58.8	... Other causes	25 941 53.9
... All causes	102 779 100.0	... All causes	54 656 100.0	... All causes	48 123 100.0
Gauteng, both sexes, 0-14 years		Gauteng, male, 0-14 years		Gauteng, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 762 21.6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 400 20.8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 362 22.6
2 Digestive system disorders of foetus and newborn (P75-P78)	1 500 11.7	2 Digestive system disorders of foetus and newborn (P75-P78)	775 11.5	2 Digestive system disorders of foetus and newborn (P75-P78)	725 12.0
3 Other disorders originating in the perinatal period (P90-P96)	1 419 11.1	3 Other disorders originating in the perinatal period (P90-P96)	754 11.2	3 Other disorders originating in the perinatal period (P90-P96)	665 11.0
4 Infections specific to the perinatal period (P35-P39)	523 4.1	4 Infections specific to the perinatal period (P35-P39)	298 4.4	4 Intestinal infectious diseases (A00-A09)	240 4.0
5 Intestinal infectious diseases (A00-A09)	515 4.0	5 Intestinal infectious diseases (A00-A09)	275 4.1	5 Infections specific to the perinatal period (P35-P39)	225 3.7
6 Influenza and pneumonia (J10-J18)	435 3.4	6 Influenza and pneumonia (J10-J18)	226 3.4	6 Other viral diseases (B25-B34)	210 3.5
7 Other viral diseases (B25-B34)	432 3.4	7 Other viral diseases (B25-B34)	222 3.3	7 Influenza and pneumonia (J10-J18)	209 3.5
8 Certain disorders involving the immune mechanism (D80-D89)	378 3.0	8 Certain disorders involving the immune mechanism (D80-D89)	193 2.9	8 Certain disorders involving the immune mechanism (D80-D89)	185 3.1
9 Disorders related to the length of gestation and foetal growth (P05-P08)	303 2.4	9 Disorders related to the length of gestation and foetal growth (P05-P08)	167 2.5	9 Disorders related to the length of gestation and foetal growth (P05-P08)	136 2.3
10 Protozoal diseases (B50-B64)	245 1.9	10 Protozoal diseases (B50-B64)	114 1.7	10 Protozoal diseases (B50-B64)	131 2.2
... Other causes	4 267 33.4	... Other causes	2 321 34.4	... Other causes	1 946 32.3
... All causes	12 779 100.0	... All causes	6 745 100.0	... All causes	6 034 100.0
Gauteng, both sexes, 15-49 years		Gauteng, male, 15-49 years		Gauteng, female, 15-49 years	
1 Tuberculosis (A15-A19)	7 958 16.3	1 Tuberculosis (A15-A19)	4 249 15.9	1 Tuberculosis (A15-A19)	3 709 16.9
2 Influenza and pneumonia (J10-J18)	5 403 11.1	2 Influenza and pneumonia (J10-J18)	2 566 9.6	2 Influenza and pneumonia (J10-J18)	2 837 13.0
3 Certain disorders involving the immune mechanism (D80-D89)	2 108 4.3	3 Certain disorders involving the immune mechanism (D80-D89)	974 3.6	3 Certain disorders involving the immune mechanism (D80-D89)	1 134 5.2
4 Intestinal infectious diseases (A00-A09)	1 951 4.0	4 Human immunodeficiency virus [HIV] disease (B20-B24)	901 3.4	4 Intestinal infectious diseases (A00-A09)	1 126 5.1
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 673 3.4	5 Intestinal infectious diseases (A00-A09)	825 3.1	5 Other viral diseases (B25-B34)	912 4.2
6 Other viral diseases (B25-B34)	1 622 3.3	6 Other viral diseases (B25-B34)	710 2.7	6 Human immunodeficiency virus [HIV] disease (B20-B24)	772 3.5
7 Other forms of heart disease (I30-I52)	1 237 2.5	7 Other forms of heart disease (I30-I52)	618 2.3	7 Other forms of heart disease (I30-I52)	619 2.8
8 Inflammatory diseases of the central nervous system (G00-G09)	992 2.0	8 Inflammatory diseases of the central nervous system (G00-G09)	465 1.7	8 Inflammatory diseases of the central nervous system (G00-G09)	527 2.4
9 Cerebrovascular diseases (I60-I69)	892 1.8	9 Cerebrovascular diseases (I60-I69)	455 1.7	9 Cerebrovascular diseases (I60-I69)	437 2.0
10 Protozoal diseases (B50-B64)	601 1.2	10 Ischaemic heart diseases (I20-I25)	348 1.3	10 Protozoal diseases (B50-B64)	335 1.5
... Other causes	24 252 49.8	... Other causes	14 680 54.8	... Other causes	9 490 43.3
... All causes	48 689 100.0	... All causes	26 791 100.0	... All causes	21 898 100.0
Gauteng, both sexes, 50-64 years		Gauteng, male, 50-64 years		Gauteng, female, 50-64 years	
1 Tuberculosis (A15-A19)	1 359 7.8	1 Tuberculosis (A15-A19)	933 8.9	1 Cerebrovascular diseases (I60-I69)	523 7.5
2 Influenza and pneumonia (J10-J18)	1 180 6.8	2 Influenza and pneumonia (J10-J18)	728 7.0	2 Diabetes mellitus (E10-E14)	452 6.5
3 Cerebrovascular diseases (I60-I69)	1 138 6.5	3 Cerebrovascular diseases (I60-I69)	615 5.9	3 Influenza and pneumonia (J10-J18)	452 6.5
4 Other forms of heart disease (I30-I52)	1 007 5.8	4 Ischaemic heart diseases (I20-I25)	602 5.7	4 Tuberculosis (A15-A19)	426 6.1
5 Diabetes mellitus (E10-E14)	889 5.1	5 Other forms of heart disease (I30-I52)	596 5.7	5 Other forms of heart disease (I30-I52)	411 5.9
6 Ischaemic heart diseases (I20-I25)	838 4.8	6 Chronic lower respiratory diseases (J40-J47)	446 4.3	6 Hypertensive diseases (I10-I15)	273 3.9
7 Chronic lower respiratory diseases (J40-J47)	704 4.0	7 Diabetes mellitus (E10-E14)	437 4.2	7 Chronic lower respiratory diseases (J40-J47)	258 3.7
8 Malignant neoplasms of digestive organs (C15-C26)	652 3.7	8 Malignant neoplasms of digestive organs (C15-C26)	435 4.2	8 Ischaemic heart diseases (I20-I25)	236 3.4
9 Hypertensive diseases (I10-I15)	522 3.0	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	295 2.8	9 Malignant neoplasms of female genital organs (C51-C58)	224 3.2
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	413 2.4	10 Hypertensive diseases (I10-I15)	249 2.4	10 Malignant neoplasms of digestive organs (C15-C26)	217 3.1
... Other causes	8 735 50.1	... Other causes	5 138 49.1	... Other causes	3 491 50.1
... All causes	17 437 100.0	... All causes	10 474 100.0	... All causes	6 963 100.0
Gauteng, both sexes, 65 years and above		Gauteng, male, 65 years and above		Gauteng, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	2 245 9.4	1 Ischaemic heart diseases (I20-I25)	920 8.6	1 Cerebrovascular diseases (I60-I69)	1 414 10.7
2 Other forms of heart disease (I30-I52)	2 219 9.3	2 Other forms of heart disease (I30-I52)	898 8.4	2 Other forms of heart disease (I30-I52)	1 321 10.0
3 Ischaemic heart diseases (I20-I25)	1 766 7.4	3 Cerebrovascular diseases (I60-I69)	831 7.8	3 Diabetes mellitus (E10-E14)	969 7.3
4 Diabetes mellitus (E10-E14)	1 559 6.5	4 Chronic lower respiratory diseases (J40-J47)	722 6.8	4 Ischaemic heart diseases (I20-I25)	846 6.4
5 Influenza and pneumonia (J10-J18)	1 288 5.4	5 Diabetes mellitus (E10-E14)	590 5.5	5 Hypertensive diseases (I10-I15)	799 6.0
6 Chronic lower respiratory diseases (J40-J47)	1 286 5.4	6 Influenza and pneumonia (J10-J18)	571 5.4	6 Influenza and pneumonia (J10-J18)	717 5.4
7 Hypertensive diseases (I10-I15)	1 168 4.9	7 Malignant neoplasms of digestive organs (C15-C26)	435 4.1	7 Chronic lower respiratory diseases (J40-J47)	564 4.3
8 Malignant neoplasms of digestive organs (C15-C26)	847 3.5	8 Hypertensive diseases (I10-I15)	369 3.5	8 Malignant neoplasms of digestive organs (C15-C26)	412 3.1
9 Renal failure (N17-N19)	534 2.2	9 Malignant neoplasms of male genital organs (C60-C63)	341 3.2	9 Renal failure (N17-N19)	263 2.0
10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	446 1.9	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	297 2.8	10 Intestinal infectious diseases (A00-A09)	260 2.0
... Other causes	10 516 44.0	... Other causes	4 672 43.9	... Other causes	5 663 42.8
... All causes	23 874 100.0	... All causes	10 646 100.0	... All causes	13 228 100.0

Excluding a total of 873 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 2003

Mpumalanga, both sexes, all ages		Mpumalanga, male, all ages		Mpumalanga, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	4 959 12,2	1 Tuberculosis (A15-A19)	2 723 13,0	1 Influenza and pneumonia (J10-J18)	2 304 11,6
2 Influenza and pneumonia (J10-J18)	4 675 11,5	2 Influenza and pneumonia (J10-J18)	2 371 11,3	2 Tuberculosis (A15-A19)	2 236 11,3
3 Intestinal infectious diseases (A00-A09)	2 891 7,1	3 Intestinal infectious diseases (A00-A09)	1 315 6,3	3 Intestinal infectious diseases (A00-A09)	1 576 8,0
4 Cerebrovascular diseases (I60-I69)	2 104 5,2	4 Cerebrovascular diseases (I60-I69)	879 4,2	4 Cerebrovascular diseases (I60-I69)	1 225 6,2
5 Certain disorders involving the immune mechanism (D80-D89)	1 676 4,1	5 Other forms of heart disease (I30-I52)	792 3,8	5 Certain disorders involving the immune mechanism (D80-D89)	920 4,6
6 Other forms of heart disease (I30-I52)	1 673 4,1	6 Certain disorders involving the immune mechanism (D80-D89)	756 3,6	6 Other forms of heart disease (I30-I52)	881 4,5
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 133 2,8	7 Chronic lower respiratory diseases (J40-J47)	612 2,9	7 Diabetes mellitus (E10-E14)	635 3,2
8 Hypertensive diseases (I10-I15)	1 053 2,6	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	590 2,8	8 Hypertensive diseases (I10-I15)	634 3,2
9 Diabetes mellitus (E10-E14)	1 039 2,6	9 Digestive system disorders of foetus and newborn (P75-P78)	460 2,2	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	543 2,7
10 Chronic lower respiratory diseases (J40-J47)	969 2,4	10 Hypertensive diseases (I10-I15)	419 2,0	10 Digestive system disorders of foetus and newborn (P75-P78)	378 1,9
... Other causes	18 535 45,5	... Other causes	9 923 47,8	... Other causes	8 465 42,8
... All causes	40 707 100,0	... All causes	20 910 100,0	... All causes	19 797 100,0
Mpumalanga, both sexes, 0-14 years		Mpumalanga, male, 0-14 years		Mpumalanga, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 133 22,0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	590 21,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	543 22,3
2 Digestive system disorders of foetus and newborn (P75-P78)	838 16,3	2 Digestive system disorders of foetus and newborn (P75-P78)	460 16,9	2 Digestive system disorders of foetus and newborn (P75-P78)	378 15,6
3 Intestinal infectious diseases (A00-A09)	490 9,5	3 Intestinal infectious diseases (A00-A09)	260 9,6	3 Intestinal infectious diseases (A00-A09)	230 9,5
4 Influenza and pneumonia (J10-J18)	285 5,5	4 Influenza and pneumonia (J10-J18)	139 5,1	4 Influenza and pneumonia (J10-J18)	146 6,0
5 Other disorders originating in the perinatal period (P90-P96)	203 3,9	5 Other disorders originating in the perinatal period (P90-P96)	97 3,6	5 Other disorders originating in the perinatal period (P90-P96)	106 4,4
6 Disorders related to the length of gestation and foetal growth (P05-P08)	183 3,6	6 Disorders related to the length of gestation and foetal growth (P05-P08)	92 3,4	6 Certain disorders involving the immune mechanism (D80-D89)	94 3,9
7 Certain disorders involving the immune mechanism (D80-D89)	182 3,5	7 Certain disorders involving the immune mechanism (D80-D89)	88 3,2	7 Disorders related to the length of gestation and foetal growth (P05-P08)	91 3,7
8 Malnutrition (E40-E46)	152 3,0	8 Malnutrition (E40-E46)	74 2,7	8 Malnutrition (E40-E46)	78 3,2
9 Infections specific to the perinatal period (P35-P39)	127 2,5	9 Infections specific to the perinatal period (P35-P39)	65 2,4	9 Infections specific to the perinatal period (P35-P39)	62 2,6
10 Tuberculosis (A15-A19)	118 2,3	10 Tuberculosis (A15-A19)	59 2,2	10 Tuberculosis (A15-A19)	59 2,4
... Other causes	1 434 27,9	... Other causes	791 29,1	... Other causes	643 26,5
... All causes	5 145 100,0	... All causes	2 715 100,0	... All causes	2 430 100,0
Mpumalanga, both sexes, 15-49 years		Mpumalanga, male, 15-49 years		Mpumalanga, female, 15-49 years	
1 Tuberculosis (A15-A19)	3 885 18,7	1 Tuberculosis (A15-A19)	1 993 19,0	1 Tuberculosis (A15-A19)	1 892 18,3
2 Influenza and pneumonia (J10-J18)	3 144 15,1	2 Influenza and pneumonia (J10-J18)	1 500 14,3	2 Influenza and pneumonia (J10-J18)	1 644 15,9
3 Intestinal infectious diseases (A00-A09)	1 722 8,3	3 Intestinal infectious diseases (A00-A09)	738 7,0	3 Intestinal infectious diseases (A00-A09)	984 9,5
4 Certain disorders involving the immune mechanism (D80-D89)	1 311 6,3	4 Certain disorders involving the immune mechanism (D80-D89)	579 5,5	4 Certain disorders involving the immune mechanism (D80-D89)	732 7,1
5 Human immunodeficiency virus [HIV] disease (B20-B24)	631 3,0	5 Human immunodeficiency virus [HIV] disease (B20-B24)	301 2,9	5 Human immunodeficiency virus [HIV] disease (B20-B24)	330 3,2
6 Other viral diseases (B25-B34)	468 2,2	6 Cerebrovascular diseases (I60-I69)	203 1,9	6 Other viral diseases (B25-B34)	296 2,9
7 Cerebrovascular diseases (I60-I69)	447 2,1	7 Other forms of heart disease (I30-I52)	199 1,9	7 Cerebrovascular diseases (I60-I69)	244 2,4
8 Other forms of heart disease (I30-I52)	434 2,1	8 Other viral diseases (B25-B34)	172 1,6	8 Noninfective enteritis and colitis (K50-K52)	241 2,3
9 Inflammatory diseases of the central nervous system (G00-G09)	372 1,8	9 Inflammatory diseases of the central nervous system (G00-G09)	168 1,6	9 Other forms of heart disease (I30-I52)	235 2,3
10 Noninfective enteritis and colitis (K50-K52)	356 1,7	10 Chronic lower respiratory diseases (J40-J47)	151 1,4	10 Inflammatory diseases of the central nervous system (G00-G09)	204 2,0
... Other causes	8 050 38,7	... Other causes	4 478 42,7	... Other causes	3 536 34,2
... All causes	20 820 100,0	... All causes	10 482 100,0	... All causes	10 338 100,0
Mpumalanga, both sexes, 50-64 years		Mpumalanga, male, 50-64 years		Mpumalanga, female, 50-64 years	
1 Tuberculosis (A15-A19)	687 10,7	1 Tuberculosis (A15-A19)	490 12,5	1 Cerebrovascular diseases (I60-I69)	258 10,3
2 Influenza and pneumonia (J10-J18)	662 10,3	2 Influenza and pneumonia (J10-J18)	424 10,8	2 Influenza and pneumonia (J10-J18)	238 9,5
3 Cerebrovascular diseases (I60-I69)	550 8,6	3 Cerebrovascular diseases (I60-I69)	292 7,5	3 Diabetes mellitus (E10-E14)	198 7,9
4 Other forms of heart disease (I30-I52)	361 5,6	4 Other forms of heart disease (I30-I52)	217 5,5	4 Tuberculosis (A15-A19)	197 7,9
5 Intestinal infectious diseases (A00-A09)	350 5,4	5 Chronic lower respiratory diseases (J40-J47)	185 4,7	5 Intestinal infectious diseases (A00-A09)	168 6,7
6 Diabetes mellitus (E10-E14)	347 5,4	6 Intestinal infectious diseases (A00-A09)	182 4,6	6 Other forms of heart disease (I30-I52)	144 5,7
7 Hypertensive diseases (I10-I15)	277 4,3	7 Diabetes mellitus (E10-E14)	149 3,8	7 Hypertensive diseases (I10-I15)	135 5,4
8 Chronic lower respiratory diseases (J40-J47)	260 4,0	8 Hypertensive diseases (I10-I15)	142 3,6	8 Malignant neoplasms of female genital organs (C51-C58)	97 3,9
9 Ischaemic heart diseases (I20-I25)	201 3,1	9 Ischaemic heart diseases (I20-I25)	141 3,6	9 Chronic lower respiratory diseases (J40-J47)	75 3,0
10 Malignant neoplasms of digestive organs (C15-C26)	189 2,9	10 Malignant neoplasms of digestive organs (C15-C26)	127 3,2	10 Certain disorders involving the immune mechanism (D80-D89)	71 2,8
... Other causes	2 539 39,5	... Other causes	1 569 40,0	... Other causes	924 36,9
... All causes	6 423 100,0	... All causes	3 918 100,0	... All causes	2 505 100,0
Mpumalanga, both sexes, 65 years and above		Mpumalanga, male, 65 years and above		Mpumalanga, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	1 095 13,2	1 Cerebrovascular diseases (I60-I69)	379 10,0	1 Cerebrovascular diseases (I60-I69)	716 15,8
2 Other forms of heart disease (I30-I52)	855 10,3	2 Other forms of heart disease (I30-I52)	365 9,6	2 Other forms of heart disease (I30-I52)	490 10,8
3 Hypertensive diseases (I10-I15)	625 7,5	3 Influenza and pneumonia (J10-J18)	308 8,1	3 Hypertensive diseases (I10-I15)	398 8,8
4 Influenza and pneumonia (J10-J18)	584 7,0	4 Chronic lower respiratory diseases (J40-J47)	263 6,9	4 Diabetes mellitus (E10-E14)	332 7,3
5 Diabetes mellitus (E10-E14)	487 5,9	5 Hypertensive diseases (I10-I15)	227 6,0	5 Influenza and pneumonia (J10-J18)	276 6,1
6 Chronic lower respiratory diseases (J40-J47)	410 4,9	6 Tuberculosis (A15-A19)	181 4,8	6 Intestinal infectious diseases (A00-A09)	194 4,3
7 Intestinal infectious diseases (A00-A09)	329 4,0	7 Diabetes mellitus (E10-E14)	155 4,1	7 Chronic lower respiratory diseases (J40-J47)	147 3,2
8 Ischaemic heart diseases (I20-I25)	286 3,4	8 Ischaemic heart diseases (I20-I25)	145 3,8	8 Ischaemic heart diseases (I20-I25)	141 3,1
9 Tuberculosis (A15-A19)	269 3,2	9 Intestinal infectious diseases (A00-A09)	135 3,6	9 Malignant neoplasms of female genital organs (C51-C58)	92 2,0
10 Malignant neoplasms of digestive organs (C15-C26)	208 2,5	10 Malignant neoplasms of digestive organs (C15-C26)	123 3,2	10 Tuberculosis (A15-A19)	88 1,9
... Other causes	3 171 38,1	... Other causes	1 514 39,9	... Other causes	1 650 36,5
... All causes	8 319 100,0	... All causes	3 795 100,0	... All causes	4 524 100,0

Excluding a total of 382 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 2003

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages				
No.	%	No.	%	No.	%			
1 Influenza and pneumonia (J10-J18)	4 952	11,1	1 Influenza and pneumonia (J10-J18)	2 253	10,2	1 Influenza and pneumonia (J10-J18)	2 699	12,0
2 Tuberculosis (A15-A19)	3 790	8,5	2 Tuberculosis (A15-A19)	2 134	9,7	2 Tuberculosis (A15-A19)	1 656	7,4
3 Intestinal infectious diseases (A00-A09)	2 850	6,4	3 Intestinal infectious diseases (A00-A09)	1 214	5,5	3 Intestinal infectious diseases (A00-A09)	1 636	7,3
4 Cerebrovascular diseases (I60-I69)	2 231	5,0	4 Cerebrovascular diseases (I60-I69)	907	4,1	4 Cerebrovascular diseases (I60-I69)	1 324	5,9
5 Other forms of heart disease (I30-I52)	1 912	4,3	5 Other forms of heart disease (I30-I52)	832	3,8	5 Other forms of heart disease (I30-I52)	1 080	4,8
6 Certain disorders involving the immune mechanism (D80-D89)	1 270	2,9	6 Chronic lower respiratory diseases (J40-J47)	673	3,1	6 Certain disorders involving the immune mechanism (D80-D89)	715	3,2
7 Diabetes mellitus (E10-E14)	1 193	2,7	7 Certain disorders involving the immune mechanism (D80-D89)	555	2,5	7 Diabetes mellitus (E10-E14)	698	3,1
8 Chronic lower respiratory diseases (J40-J47)	1 109	2,5	8 Diabetes mellitus (E10-E14)	495	2,2	8 Hypertensive diseases (I10-I15)	534	2,4
9 Hypertensive diseases (I10-I15)	990	2,2	9 Hypertensive diseases (I10-I15)	456	2,1	9 Chronic lower respiratory diseases (J40-J47)	436	1,9
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	724	1,6	10 Ischaemic heart diseases (I20-I25)	423	1,9	10 Noninfective enteritis and colitis (K50-K52)	355	1,6
... Other causes	23 496	52,8	... Other causes	12 108	54,9	... Other causes	11 334	50,4
... All causes	44 517	100,0	... All causes	22 050	100,0	... All causes	22 467	100,0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	723	17,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	402	18,0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	321	16,5
2 Digestive system disorders of foetus and newborn (P75-P78)	405	9,7	2 Digestive system disorders of foetus and newborn (P75-P78)	211	9,5	2 Intestinal infectious diseases (A00-A09)	194	10,0
3 Intestinal infectious diseases (A00-A09)	394	9,4	3 Intestinal infectious diseases (A00-A09)	200	9,0	3 Digestive system disorders of foetus and newborn (P75-P78)	194	10,0
4 Influenza and pneumonia (J10-J18)	286	6,9	4 Influenza and pneumonia (J10-J18)	139	6,2	4 Influenza and pneumonia (J10-J18)	147	7,6
5 Other disorders originating in the perinatal period (P90-P96)	231	5,5	5 Other disorders originating in the perinatal period (P90-P96)	122	5,5	5 Other disorders originating in the perinatal period (P90-P96)	109	5,6
6 Certain disorders involving the immune mechanism (D80-D89)	118	2,8	6 Certain disorders involving the immune mechanism (D80-D89)	65	2,9	6 Tuberculosis (A15-A19)	55	2,8
7 Malnutrition (E40-E46)	113	2,7	7 Malnutrition (E40-E46)	64	2,9	7 Certain disorders involving the immune mechanism (D80-D89)	53	2,7
8 Infections specific to the perinatal period (P35-P39)	110	2,6	8 Infections specific to the perinatal period (P35-P39)	63	2,8	8 Disorders related to the length of gestation and foetal growth (P05-P08)	51	2,6
9 Disorders related to the length of gestation and foetal growth (P05-P08)	108	2,6	9 Disorders related to the length of gestation and foetal growth (P05-P08)	57	2,6	9 Malnutrition (E40-E46)	49	2,5
10 Tuberculosis (A15-A19)	98	2,4	10 Inflammatory diseases of the central nervous system (G00-G09)	54	2,4	10 Infections specific to the perinatal period (P35-P39)	47	2,4
... Other causes	1 584	38,0	... Other causes	851	38,2	... Other causes	722	37,2
... All causes	4 170	100,0	... All causes	2 228	100,0	... All causes	1 942	100,0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years				
1 Influenza and pneumonia (J10-J18)	2 988	15,4	1 Tuberculosis (A15-A19)	1 392	14,6	1 Influenza and pneumonia (J10-J18)	1 730	17,6
2 Tuberculosis (A15-A19)	2 746	14,2	2 Influenza and pneumonia (J10-J18)	1 258	13,2	2 Tuberculosis (A15-A19)	1 354	13,8
3 Intestinal infectious diseases (A00-A09)	1 691	8,7	3 Intestinal infectious diseases (A00-A09)	676	7,1	3 Intestinal infectious diseases (A00-A09)	1 015	10,4
4 Certain disorders involving the immune mechanism (D80-D89)	1 000	5,2	4 Certain disorders involving the immune mechanism (D80-D89)	407	4,3	4 Certain disorders involving the immune mechanism (D80-D89)	593	6,0
5 Noninfective enteritis and colitis (K50-K52)	452	2,3	5 Chronic lower respiratory diseases (J40-J47)	190	2,0	5 Noninfective enteritis and colitis (K50-K52)	284	2,9
6 Other forms of heart disease (I30-I52)	409	2,1	6 Other forms of heart disease (I30-I52)	176	1,8	6 Other forms of heart disease (I30-I52)	233	2,4
7 Chronic lower respiratory diseases (J40-J47)	374	1,9	7 Cerebrovascular diseases (I60-I69)	171	1,8	7 Chronic lower respiratory diseases (J40-J47)	184	1,9
8 Human immunodeficiency virus [HIV] disease (B20-B24)	350	1,8	8 Diseases of liver (K70-K77)	171	1,8	8 Human immunodeficiency virus [HIV] disease (B20-B24)	182	1,9
9 Cerebrovascular diseases (I60-I69)	333	1,7	9 Noninfective enteritis and colitis (K50-K52)	168	1,8	9 Inflammatory diseases of the central nervous system (G00-G09)	177	1,8
10 Inflammatory diseases of the central nervous system (G00-G09)	321	1,7	10 Human immunodeficiency virus [HIV] disease (B20-B24)	168	1,8	10 Cerebrovascular diseases (I60-I69)	162	1,7
... Other causes	8 698	44,9	... Other causes	4 783	50,0	... Other causes	3 888	39,7
... All causes	19 362	100,0	... All causes	9 560	100,0	... All causes	9 802	100,0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years				
1 Influenza and pneumonia (J10-J18)	671	9,4	1 Tuberculosis (A15-A19)	478	11,0	1 Influenza and pneumonia (J10-J18)	260	9,5
2 Tuberculosis (A15-A19)	628	8,8	2 Influenza and pneumonia (J10-J18)	411	9,4	2 Cerebrovascular diseases (I60-I69)	236	8,6
3 Cerebrovascular diseases (I60-I69)	472	6,6	3 Cerebrovascular diseases (I60-I69)	236	5,4	3 Diabetes mellitus (E10-E14)	158	5,7
4 Other forms of heart disease (I30-I52)	351	4,9	4 Chronic lower respiratory diseases (J40-J47)	204	4,7	4 Tuberculosis (A15-A19)	150	5,5
5 Diabetes mellitus (E10-E14)	342	4,8	5 Other forms of heart disease (I30-I52)	203	4,7	5 Other forms of heart disease (I30-I52)	148	5,4
6 Intestinal infectious diseases (A00-A09)	301	4,2	6 Diabetes mellitus (E10-E14)	184	4,2	6 Intestinal infectious diseases (A00-A09)	138	5,0
7 Chronic lower respiratory diseases (J40-J47)	275	3,9	7 Ischaemic heart diseases (I20-I25)	170	3,9	7 Hypertensive diseases (I10-I15)	126	4,6
8 Hypertensive diseases (I10-I15)	274	3,9	8 Intestinal infectious diseases (A00-A09)	163	3,7	8 Malignant neoplasms of female genital organs (C51-C58)	109	4,0
9 Ischaemic heart diseases (I20-I25)	235	3,3	9 Hypertensive diseases (I10-I15)	148	3,4	9 Malignant neoplasms of digestive organs (C15-C26)	76	2,8
10 Malignant neoplasms of digestive organs (C15-C26)	206	2,9	10 Malignant neoplasms of digestive organs (C15-C26)	130	3,0	10 Chronic lower respiratory diseases (J40-J47)	71	2,6
... Other causes	3 352	47,2	... Other causes	2 029	46,6	... Other causes	1 279	46,5
... All causes	7 107	100,0	... All causes	4 356	100,0	... All causes	2 751	100,0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	1 416	10,2	1 Cerebrovascular diseases (I60-I69)	497	8,4	1 Cerebrovascular diseases (I60-I69)	919	11,5
2 Other forms of heart disease (I30-I52)	1 120	8,1	2 Influenza and pneumonia (J10-J18)	445	7,5	2 Other forms of heart disease (I30-I52)	680	8,5
3 Influenza and pneumonia (J10-J18)	1 007	7,3	3 Other forms of heart disease (I30-I52)	440	7,5	3 Influenza and pneumonia (J10-J18)	562	7,0
4 Diabetes mellitus (E10-E14)	668	4,8	4 Chronic lower respiratory diseases (J40-J47)	272	4,6	4 Diabetes mellitus (E10-E14)	444	5,6
5 Hypertensive diseases (I10-I15)	591	4,3	5 Diabetes mellitus (E10-E14)	224	3,8	5 Hypertensive diseases (I10-I15)	307	3,9
6 Intestinal infectious diseases (A00-A09)	464	3,3	6 Tuberculosis (A15-A19)	221	3,7	6 Intestinal infectious diseases (A00-A09)	289	3,6
7 Chronic lower respiratory diseases (J40-J47)	445	3,2	7 Malignant neoplasms of digestive organs (C15-C26)	199	3,4	7 Ischaemic heart diseases (I20-I25)	178	2,2
8 Ischaemic heart diseases (I20-I25)	348	2,5	8 Hypertensive diseases (I10-I15)	194	3,3	8 Chronic lower respiratory diseases (J40-J47)	173	2,2
9 Tuberculosis (A15-A19)	318	2,3	9 Intestinal infectious diseases (A00-A09)	175	3,0	9 Malignant neoplasms of female genital organs (C51-C58)	129	1,6
10 Malignant neoplasms of digestive organs (C15-C26)	311	2,2	10 Ischaemic heart diseases (I20-I25)	170	2,9	10 Diseases of liver (K70-K77)	125	1,6
... Other causes	7 280	52,5	... Other causes	3 069	52,0	... Other causes	4 166	52,3
... All causes	13 878	100,0	... All causes	5 906	100,0	... All causes	7 972	100,0

Excluding a total of 208 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: South Africa, 2004

No.		%	No.		%	No.		%
All provinces, both sexes, all ages			All provinces, male, all ages			All provinces, female, all ages		
1 Tuberculosis (A15-A19)	69 074	12.3	1 Tuberculosis (A15-A19)	37 368	13.1	1 Tuberculosis (A15-A19)	31 706	11.4
2 Influenza and pneumonia (J10-J18)	45 112	8.0	2 Influenza and pneumonia (J10-J18)	20 898	7.3	2 Influenza and pneumonia (J10-J18)	24 214	8.7
3 Intestinal infectious diseases (A00-A09)	26 395	4.7	3 Intestinal infectious diseases (A00-A09)	11 227	3.9	3 Intestinal infectious diseases (A00-A09)	15 169	5.5
4 Cerebrovascular diseases (I60-I69)	24 926	4.4	4 Other forms of heart disease (I30-I52)	10 691	3.8	4 Cerebrovascular diseases (I60-I69)	14 292	5.1
5 Other forms of heart disease (I30-I52)	23 647	4.2	5 Cerebrovascular diseases (I60-I69)	10 634	3.7	5 Other forms of heart disease (I30-I52)	12 956	4.7
6 Diabetes mellitus (E10-E14)	16 872	3.0	6 Chronic lower respiratory diseases (J40-J47)	9 086	3.2	6 Diabetes mellitus (E10-E14)	10 240	3.7
7 Certain disorders involving the immune mechanism (D80-D89)	15 930	2.8	7 Ischaemic heart diseases (I20-I25)	7 315	2.6	7 Certain disorders involving the immune mechanism (D80-D89)	8 919	3.2
8 Chronic lower respiratory diseases (J40-J47)	15 284	2.7	8 Certain disorders involving the immune mechanism (D80-D89)	7 011	2.5	8 Hypertensive diseases (I10-I15)	7 434	2.7
9 Human immunodeficiency virus [HIV] disease (B20-B24)	13 220	2.3	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 831	2.4	9 Human immunodeficiency virus [HIV] disease (B20-B24)	6 954	2.5
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	13 053	2.3	10 Diabetes mellitus (E10-E14)	6 632	2.3	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 222	2.2
... Other causes	299 334	53.2	... Other causes	157 381	55.2	... Other causes	139 668	50.3
... All causes	562 848	100.0	... All causes	285 074	100.0	... All causes	277 774	100.0
All provinces, both sexes, 0-14 years			All provinces, male, 0-14 years			All provinces, female, 0-14 years		
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	13 053	19.9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 831	19.7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	6 222	20.2
2 Digestive system disorders of foetus and newborn (P75-P78)	8 457	12.9	2 Digestive system disorders of foetus and newborn (P75-P78)	4 502	13.0	2 Digestive system disorders of foetus and newborn (P75-P78)	3 955	12.8
3 Other disorders originating in the perinatal period (P90-P96)	5 041	7.7	3 Other disorders originating in the perinatal period (P90-P96)	2 705	7.8	3 Other disorders originating in the perinatal period (P90-P96)	2 336	7.6
4 Intestinal infectious diseases (A00-A09)	4 378	6.7	4 Intestinal infectious diseases (A00-A09)	2 258	6.5	4 Intestinal infectious diseases (A00-A09)	2 120	6.9
5 Influenza and pneumonia (J10-J18)	2 963	4.5	5 Influenza and pneumonia (J10-J18)	1 493	4.3	5 Influenza and pneumonia (J10-J18)	1 470	4.8
6 Infections specific to the perinatal period (P35-P39)	2 167	3.3	6 Infections specific to the perinatal period (P35-P39)	1 165	3.4	6 Infections specific to the perinatal period (P35-P39)	1 002	3.3
7 Malnutrition (E40-E46)	1 877	2.9	7 Malnutrition (E40-E46)	947	2.7	7 Malnutrition (E40-E46)	930	3.0
8 Certain disorders involving the immune mechanism (D80-D89)	1 847	2.8	8 Tuberculosis (A15-A19)	938	2.7	8 Certain disorders involving the immune mechanism (D80-D89)	926	3.0
9 Tuberculosis (A15-A19)	1 745	2.7	9 Certain disorders involving the immune mechanism (D80-D89)	921	2.7	9 Tuberculosis (A15-A19)	807	2.6
10 Disorders related to the length of gestation and foetal growth (P05-P08)	1 615	2.5	10 Disorders related to the length of gestation and foetal growth (P05-P08)	880	2.5	10 Disorders related to the length of gestation and foetal growth (P05-P08)	735	2.4
... Other causes	22 314	34.1	... Other causes	12 037	34.7	... Other causes	10 277	33.4
... All causes	65 457	100.0	... All causes	34 677	100.0	... All causes	30 780	100.0
All provinces, both sexes, 15-49 years			All provinces, male, 15-49 years			All provinces, female, 15-49 years		
1 Tuberculosis (A15-A19)	53 480	19.4	1 Tuberculosis (A15-A19)	27 193	19.6	1 Tuberculosis (A15-A19)	26 287	19.2
2 Influenza and pneumonia (J10-J18)	29 616	10.7	2 Influenza and pneumonia (J10-J18)	12 671	9.1	2 Influenza and pneumonia (J10-J18)	16 945	12.4
3 Intestinal infectious diseases (A00-A09)	16 324	5.9	3 Intestinal infectious diseases (A00-A09)	6 394	4.6	3 Intestinal infectious diseases (A00-A09)	9 930	7.3
4 Certain disorders involving the immune mechanism (D80-D89)	12 484	4.5	4 Certain disorders involving the immune mechanism (D80-D89)	5 198	3.8	4 Certain disorders involving the immune mechanism (D80-D89)	7 286	5.3
5 Human immunodeficiency virus [HIV] disease (B20-B24)	11 050	4.0	5 Human immunodeficiency virus [HIV] disease (B20-B24)	5 047	3.6	5 Human immunodeficiency virus [HIV] disease (B20-B24)	6 003	4.4
6 Other viral diseases (B25-B34)	7 068	2.6	6 Other forms of heart disease (I30-I52)	2 938	2.1	6 Other viral diseases (B25-B34)	4 200	3.1
7 Other forms of heart disease (I30-I52)	6 150	2.2	7 Other viral diseases (B25-B34)	2 868	2.1	7 Other forms of heart disease (I30-I52)	3 212	2.3
8 Inflammatory diseases of the central nervous system (G00-G09)	5 845	2.1	8 Inflammatory diseases of the central nervous system (G00-G09)	2 674	1.9	8 Inflammatory diseases of the central nervous system (G00-G09)	3 171	2.3
9 Cerebrovascular diseases (I60-I69)	4 446	1.6	9 Cerebrovascular diseases (I60-I69)	2 148	1.5	9 Cerebrovascular diseases (I60-I69)	2 298	1.7
10 Chronic lower respiratory diseases (J40-J47)	3 844	1.4	10 Chronic lower respiratory diseases (J40-J47)	1 962	1.4	10 Noninfective enteritis and colitis (K50-K52)	2 138	1.6
... Other causes	125 246	45.5	... Other causes	69 517	50.2	... Other causes	55 473	40.5
... All causes	275 553	100.0	... All causes	138 610	100.0	... All causes	136 943	100.0
All provinces, both sexes, 50-64 years			All provinces, male, 50-64 years			All provinces, female, 50-64 years		
1 Tuberculosis (A15-A19)	10 148	10.8	1 Tuberculosis (A15-A19)	6 928	12.6	1 Tuberculosis (A15-A19)	3 220	8.3
2 Cerebrovascular diseases (I60-I69)	6 454	6.9	2 Influenza and pneumonia (J10-J18)	3 611	6.5	2 Diabetes mellitus (E10-E14)	3 169	8.2
3 Influenza and pneumonia (J10-J18)	6 039	6.4	3 Cerebrovascular diseases (I60-I69)	3 385	6.1	3 Cerebrovascular diseases (I60-I69)	3 069	7.9
4 Diabetes mellitus (E10-E14)	5 605	6.0	4 Chronic lower respiratory diseases (J40-J47)	3 081	5.6	4 Influenza and pneumonia (J10-J18)	2 428	6.2
5 Other forms of heart disease (I30-I52)	5 211	5.5	5 Other forms of heart disease (I30-I52)	2 880	5.2	5 Other forms of heart disease (I30-I52)	2 331	6.0
6 Chronic lower respiratory diseases (J40-J47)	4 533	4.8	6 Ischaemic heart diseases (I20-I25)	2 459	4.5	6 Hypertensive diseases (I10-I15)	1 811	4.7
7 Ischaemic heart diseases (I20-I25)	3 676	3.9	7 Diabetes mellitus (E10-E14)	2 436	4.4	7 Intestinal infectious diseases (A00-A09)	1 557	4.0
8 Hypertensive diseases (I10-I15)	3 304	3.5	8 Malignant neoplasms of digestive organs (C15-C26)	2 122	3.8	8 Chronic lower respiratory diseases (J40-J47)	1 452	3.7
9 Malignant neoplasms of digestive organs (C15-C26)	3 269	3.5	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 530	2.8	9 Malignant neoplasms of female genital organs (C51-C58)	1 252	3.2
10 Intestinal infectious diseases (A00-A09)	3 025	3.2	10 Hypertensive diseases (I10-I15)	1 493	2.7	10 Ischaemic heart diseases (I20-I25)	1 217	3.1
... Other causes	42 785	45.5	... Other causes	25 273	45.8	... Other causes	17 345	44.6
... All causes	94 049	100.0	... All causes	55 198	100.0	... All causes	38 851	100.0
All provinces, both sexes, 65 years and above			All provinces, male, 65 years and above			All provinces, female, 65 years and above		
1 Cerebrovascular diseases (I60-I69)	13 925	10.9	1 Cerebrovascular diseases (I60-I69)	5 055	8.9	1 Cerebrovascular diseases (I60-I69)	8 870	12.5
2 Other forms of heart disease (I30-I52)	11 889	9.3	2 Other forms of heart disease (I30-I52)	4 688	8.3	2 Other forms of heart disease (I30-I52)	7 201	10.1
3 Diabetes mellitus (E10-E14)	8 645	6.8	3 Chronic lower respiratory diseases (J40-J47)	3 901	6.9	3 Diabetes mellitus (E10-E14)	5 672	8.0
4 Ischaemic heart diseases (I20-I25)	7 121	5.6	4 Ischaemic heart diseases (I20-I25)	3 621	6.4	4 Hypertensive diseases (I10-I15)	4 556	6.4
5 Hypertensive diseases (I10-I15)	6 762	5.3	5 Influenza and pneumonia (J10-J18)	3 123	5.5	5 Ischaemic heart diseases (I20-I25)	3 500	4.9
6 Chronic lower respiratory diseases (J40-J47)	6 662	5.2	6 Diabetes mellitus (E10-E14)	2 973	5.3	6 Influenza and pneumonia (J10-J18)	3 371	4.7
7 Influenza and pneumonia (J10-J18)	6 494	5.1	7 Malignant neoplasms of digestive organs (C15-C26)	2 440	4.3	7 Chronic lower respiratory diseases (J40-J47)	2 761	3.9
8 Malignant neoplasms of digestive organs (C15-C26)	4 598	3.6	8 Tuberculosis (A15-A19)	2 309	4.1	8 Malignant neoplasms of digestive organs (C15-C26)	2 158	3.0
9 Tuberculosis (A15-A19)	3 701	2.9	9 Hypertensive diseases (I10-I15)	2 206	3.9	9 Intestinal infectious diseases (A00-A09)	1 562	2.2
10 Intestinal infectious diseases (A00-A09)	2 669	2.1	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 601	2.8	10 Tuberculosis (A15-A19)	1 392	2.0
... Other causes	55 323	43.3	... Other causes	24 672	43.6	... Other causes	30 157	42.4
... All causes	127 789	100.0	... All causes	56 589	100.0	... All causes	71 200	100.0

Excluding a total of 4640 cases with unknown sex and unknown age; known sex and unknown age; known age and unknown sex; and unknown province.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Western Cape, 2004

Western Cape, both sexes, all ages		Western Cape, male, all ages		Western Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	3 909	9.0	1 Tuberculosis (A15-A19)	2 364	9.8	1 Tuberculosis (A15-A19)	1 545	7.9
2 Ischaemic heart diseases (I20-I25)	2 747	6.3	2 Ischaemic heart diseases (I20-I25)	1 599	6.6	2 Diabetes mellitus (E10-E14)	1 490	7.6
3 Cerebrovascular diseases (I60-I69)	2 530	5.8	3 Chronic lower respiratory diseases (J40-J47)	1 168	4.9	3 Cerebrovascular diseases (I60-I69)	1 412	7.2
4 Diabetes mellitus (E10-E14)	2 425	5.6	4 Cerebrovascular diseases (I60-I69)	1 118	4.6	4 Ischaemic heart diseases (I20-I25)	1 148	5.9
5 Chronic lower respiratory diseases (J40-J47)	1 826	4.2	5 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	962	4.0	5 Human immunodeficiency virus [HIV] disease (B20-B24)	879	4.5
6 Malignant neoplasms of digestive organs (C15-C26)	1 639	3.8	6 Malignant neoplasms of digestive organs (C15-C26)	954	4.0	6 Other forms of heart disease (I30-I52)	848	4.3
7 Other forms of heart disease (I30-I52)	1 629	3.7	7 Diabetes mellitus (E10-E14)	935	3.9	7 Malignant neoplasms of digestive organs (C15-C26)	685	3.5
8 Human immunodeficiency virus [HIV] disease (B20-B24)	1 582	3.6	8 Other forms of heart disease (I30-I52)	781	3.2	8 Chronic lower respiratory diseases (J40-J47)	658	3.4
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	1 423	3.3	9 Human immunodeficiency virus [HIV] disease (B20-B24)	703	2.9	9 Hypertensive diseases (I10-I15)	639	3.3
10 Hypertensive diseases (I10-I15)	1 010	2.3	10 Influenza and pneumonia (J10-J18)	483	2.0	10 Influenza and pneumonia (J10-J18)	514	2.6
... Other causes	22 856	52.5	... Other causes	12 985	54.0	... Other causes	9 706	49.7
... All causes	43 576	100.0	... All causes	24 052	100.0	... All causes	19 524	100.0
Western Cape, both sexes, 0-14 years		Western Cape, male, 0-14 years		Western Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	648	17.6	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	363	18.0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	285	17.0
2 Other disorders originating in the perinatal period (P90-P96)	406	11.0	2 Other disorders originating in the perinatal period (P90-P96)	220	10.9	2 Other disorders originating in the perinatal period (P90-P96)	186	11.1
3 Digestive system disorders of foetus and newborn (P75-P78)	381	10.3	3 Digestive system disorders of foetus and newborn (P75-P78)	202	10.0	3 Digestive system disorders of foetus and newborn (P75-P78)	179	10.7
4 Disorders related to the length of gestation and foetal growth (P05-P08)	181	4.9	4 Disorders related to the length of gestation and foetal growth (P05-P08)	89	4.4	4 Disorders related to the length of gestation and foetal growth (P05-P08)	92	5.6
5 Infections specific to the perinatal period (P35-P39)	164	4.4	5 Infections specific to the perinatal period (P35-P39)	87	4.3	5 Infections specific to the perinatal period (P35-P39)	77	4.5
6 Human immunodeficiency virus [HIV] disease (B20-B24)	108	2.9	6 Human immunodeficiency virus [HIV] disease (B20-B24)	49	2.4	6 Intestinal infectious diseases (A00-A09)	60	3.6
7 Intestinal infectious diseases (A00-A09)	105	2.8	7 Intestinal infectious diseases (A00-A09)	45	2.2	7 Human immunodeficiency virus [HIV] disease (B20-B24)	59	3.5
8 Certain disorders involving the immune mechanism (D80-D89)	78	2.1	8 Other viral diseases (B25-B34)	38	1.9	8 Certain disorders involving the immune mechanism (D80-D89)	41	2.4
9 Other viral diseases (B25-B34)	76	2.1	9 Certain disorders involving the immune mechanism (D80-D89)	37	1.8	9 Other viral diseases (B25-B34)	38	2.3
10 Tuberculosis (A15-A19)	70	1.9	10 Malnutrition (E40-E46)	36	1.8	10 Tuberculosis (A15-A19)	35	2.1
... Other causes	1 473	39.9	... Other causes	850	42.2	... Other causes	622	37.2
... All causes	3 690	100.0	... All causes	2 016	100.0	... All causes	1 674	100.0
Western Cape, both sexes, 15-49 years		Western Cape, male, 15-49 years		Western Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	2 746	17.4	1 Tuberculosis (A15-A19)	1 563	16.4	1 Tuberculosis (A15-A19)	1 183	19.0
2 Human immunodeficiency virus [HIV] disease (B20-B24)	1 341	8.5	2 Human immunodeficiency virus [HIV] disease (B20-B24)	569	6.0	2 Human immunodeficiency virus [HIV] disease (B20-B24)	772	12.4
3 Other viral diseases (B25-B34)	505	3.2	3 Other viral diseases (B25-B34)	204	2.1	3 Other viral diseases (B25-B34)	301	4.8
4 Certain disorders involving the immune mechanism (D80-D89)	432	2.7	4 Ischaemic heart diseases (I20-I25)	200	2.1	4 Certain disorders involving the immune mechanism (D80-D89)	254	4.1
5 Influenza and pneumonia (J10-J18)	376	2.4	5 Cerebrovascular diseases (I60-I69)	190	2.0	5 Influenza and pneumonia (J10-J18)	204	3.3
6 Cerebrovascular diseases (I60-I69)	370	2.3	6 Other forms of heart disease (I30-I52)	182	1.9	6 Cerebrovascular diseases (I60-I69)	180	2.9
7 Ischaemic heart diseases (I20-I25)	285	1.8	7 Certain disorders involving the immune mechanism (D80-D89)	178	1.9	7 Intestinal infectious diseases (A00-A09)	147	2.4
8 Other forms of heart disease (I30-I52)	283	1.8	8 Chronic lower respiratory diseases (J40-J47)	173	1.8	8 Diabetes mellitus (E10-E14)	124	2.0
9 Chronic lower respiratory diseases (J40-J47)	270	1.7	9 Influenza and pneumonia (J10-J18)	172	1.8	9 Malignant neoplasms of female genital organs (C51-C58)	118	1.9
10 Intestinal infectious diseases (A00-A09)	248	1.6	10 Malignant neoplasms of digestive organs (C15-C26)	152	1.6	10 Malignant neoplasms of breast (C50)	111	1.8
... Other causes	8 899	56.5	... Other causes	5 941	62.4	... Other causes	2 837	45.5
... All causes	15 755	100.0	... All causes	9 524	100.0	... All causes	6 231	100.0
Western Cape, both sexes, 50-64 years		Western Cape, male, 50-64 years		Western Cape, female, 50-64 years				
1 Diabetes mellitus (E10-E14)	810	8.7	1 Tuberculosis (A15-A19)	560	10.2	1 Diabetes mellitus (E10-E14)	465	12.4
2 Tuberculosis (A15-A19)	792	8.5	2 Ischaemic heart diseases (I20-I25)	511	9.3	2 Cerebrovascular diseases (I60-I69)	295	7.9
3 Ischaemic heart diseases (I20-I25)	742	8.0	3 Chronic lower respiratory diseases (J40-J47)	423	7.7	3 Tuberculosis (A15-A19)	232	6.2
4 Chronic lower respiratory diseases (J40-J47)	636	6.9	4 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	391	7.1	4 Ischaemic heart diseases (I20-I25)	231	6.2
5 Cerebrovascular diseases (I60-I69)	624	6.7	5 Malignant neoplasms of digestive organs (C15-C26)	362	6.6	5 Malignant neoplasms of digestive organs (C15-C26)	217	5.8
6 Malignant neoplasms of digestive organs (C15-C26)	579	6.2	6 Diabetes mellitus (E10-E14)	345	6.3	6 Chronic lower respiratory diseases (J40-J47)	213	5.7
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	553	6.0	7 Cerebrovascular diseases (I60-I69)	329	6.0	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	162	4.3
8 Other forms of heart disease (I30-I52)	333	3.6	8 Other forms of heart disease (I30-I52)	188	3.4	8 Malignant neoplasms of female genital organs (C51-C58)	154	4.1
9 Hypertensive diseases (I10-I15)	268	2.9	9 Hypertensive diseases (I10-I15)	115	2.1	9 Hypertensive diseases (I10-I15)	153	4.1
10 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	179	1.9	10 Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	108	2.0	10 Malignant neoplasms of breast (C50)	147	3.9
... Other causes	3 752	40.5	... Other causes	2 181	39.6	... Other causes	1 486	39.6
... All causes	9 268	100.0	... All causes	5 513	100.0	... All causes	3 755	100.0
Western Cape, both sexes, 65 years and above		Western Cape, male, 65 years and above		Western Cape, female, 65 years and above				
1 Ischaemic heart diseases (I20-I25)	1 718	11.6	1 Ischaemic heart diseases (I20-I25)	888	12.7	1 Cerebrovascular diseases (I60-I69)	936	11.9
2 Cerebrovascular diseases (I60-I69)	1 532	10.3	2 Cerebrovascular diseases (I60-I69)	596	8.5	2 Diabetes mellitus (E10-E14)	900	11.4
3 Diabetes mellitus (E10-E14)	1 371	9.2	3 Chronic lower respiratory diseases (J40-J47)	568	8.1	3 Ischaemic heart diseases (I20-I25)	830	10.6
4 Other forms of heart disease (I30-I52)	988	6.6	4 Diabetes mellitus (E10-E14)	471	6.7	4 Other forms of heart disease (I30-I52)	552	7.4
5 Chronic lower respiratory diseases (J40-J47)	911	6.1	5 Malignant neoplasms of digestive organs (C15-C26)	438	6.3	5 Hypertensive diseases (I10-I15)	429	5.5
6 Malignant neoplasms of digestive organs (C15-C26)	832	5.6	6 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	431	6.2	6 Malignant neoplasms of digestive organs (C15-C26)	394	5.0
7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	671	4.5	7 Other forms of heart disease (I30-I52)	406	5.8	7 Chronic lower respiratory diseases (J40-J47)	343	4.4
8 Hypertensive diseases (I10-I15)	632	4.3	8 Malignant neoplasms of male genital organs (C60-C63)	308	4.4	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	240	3.1
9 Influenza and pneumonia (J10-J18)	398	2.7	9 Tuberculosis (A15-A19)	206	2.9	9 Influenza and pneumonia (J10-J18)	213	2.7
10 Malignant neoplasms of male genital organs (C60-C63)	308	2.1	10 Hypertensive diseases (I10-I15)	203	2.9	10 Malignant neoplasms of breast (C50)	198	2.5
... Other causes	5 502	37.0	... Other causes	2 484	35.5	... Other causes	2 799	35.6
... All causes	14 863	100.0	... All causes	6 999	100.0	... All causes	7 864	100.0

Excluding a total of 405 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Eastern Cape, 2004

Eastern Cape, both sexes, all ages		Eastern Cape, male, all ages		Eastern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	11 204	13.2	1 Tuberculosis (A15-A19)	6 009	14.5	1 Tuberculosis (A15-A19)	5 195	12.0
2 Influenza and pneumonia (J10-J18)	4 523	5.3	2 Influenza and pneumonia (J10-J18)	2 014	4.9	2 Influenza and pneumonia (J10-J18)	2 509	5.8
3 Cerebrovascular diseases (I60-I69)	3 722	4.4	3 Chronic lower respiratory diseases (J40-J47)	1 997	4.8	3 Cerebrovascular diseases (I60-I69)	2 172	5.0
4 Chronic lower respiratory diseases (J40-J47)	3 571	4.2	4 Cerebrovascular diseases (I60-I69)	1 550	3.7	4 Intestinal infectious diseases (A00-A09)	2 024	4.7
5 Intestinal infectious diseases (A00-A09)	3 325	3.9	5 Other forms of heart disease (I30-I52)	1 366	3.3	5 Other forms of heart disease (I30-I52)	1 797	4.2
6 Other forms of heart disease (I30-I52)	3 163	3.7	6 Intestinal infectious diseases (A00-A09)	1 301	3.1	6 Chronic lower respiratory diseases (J40-J47)	1 574	3.6
7 Diabetes mellitus (E10-E14)	2 392	2.8	7 Malignant neoplasms of digestive organs (C15-C26)	1 045	2.5	7 Diabetes mellitus (E10-E14)	1 520	3.5
8 Human immunodeficiency virus [HIV] disease (B20-B24)	2 231	2.6	8 Human immunodeficiency virus [HIV] disease (B20-B24)	875	2.1	8 Human immunodeficiency virus [HIV] disease (B20-B24)	1 356	3.1
9 Certain disorders involving the immune mechanism (D80-D89)	2 094	2.5	9 Diabetes mellitus (E10-E14)	872	2.1	9 Certain disorders involving the immune mechanism (D80-D89)	1 253	2.9
10 Malignant neoplasms of digestive organs (C15-C26)	1 917	2.3	10 Certain disorders involving the immune mechanism (D80-D89)	841	2.0	10 Hypertensive diseases (I10-I15)	1 181	2.7
... Other causes	46 588	55.0	... Other causes	23 622	56.9	... Other causes	22 657	52.4
... All causes	84 730	100.0	... All causes	41 492	100.0	... All causes	43 238	100.0
Eastern Cape, both sexes, 0-14 years		Eastern Cape, male, 0-14 years		Eastern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 185	16.3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	622	15.9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	563	16.7
2 Digestive system disorders of foetus and newborn (P75-P78)	806	11.1	2 Digestive system disorders of foetus and newborn (P75-P78)	419	10.7	2 Digestive system disorders of foetus and newborn (P75-P78)	387	11.4
3 Other disorders originating in the perinatal period (P90-P96)	537	7.4	3 Other disorders originating in the perinatal period (P90-P96)	303	7.8	3 Other disorders originating in the perinatal period (P90-P96)	234	6.9
4 Intestinal infectious diseases (A00-A09)	472	6.5	4 Intestinal infectious diseases (A00-A09)	248	6.3	4 Intestinal infectious diseases (A00-A09)	224	6.6
5 Certain disorders involving the immune mechanism (D80-D89)	263	3.6	5 Certain disorders involving the immune mechanism (D80-D89)	134	3.4	5 Certain disorders involving the immune mechanism (D80-D89)	129	3.8
6 Influenza and pneumonia (J10-J18)	228	3.1	6 Influenza and pneumonia (J10-J18)	124	3.2	6 Influenza and pneumonia (J10-J18)	104	3.1
7 Tuberculosis (A15-A19)	206	2.8	7 Tuberculosis (A15-A19)	111	2.8	7 Tuberculosis (A15-A19)	95	2.8
8 Infections specific to the perinatal period (P35-P39)	193	2.6	8 Infections specific to the perinatal period (P35-P39)	107	2.7	8 Malnutrition (E40-E46)	94	2.8
9 Malnutrition (E40-E46)	187	2.6	9 Malnutrition (E40-E46)	93	2.4	9 Infections specific to the perinatal period (P35-P39)	86	2.5
10 Disorders related to the length of gestation and foetal growth (P05-P08)	159	2.2	10 Disorders related to the length of gestation and foetal growth (P05-P08)	86	2.2	10 Disorders related to the length of gestation and foetal growth (P05-P08)	73	2.2
... Other causes	3 052	41.9	... Other causes	1 660	42.5	... Other causes	1 392	41.2
... All causes	7 288	100.0	... All causes	3 907	100.0	... All causes	3 381	100.0
Eastern Cape, both sexes, 15-49 years		Eastern Cape, male, 15-49 years		Eastern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	7 917	19.6	1 Tuberculosis (A15-A19)	3 963	20.5	1 Tuberculosis (A15-A19)	3 954	18.8
2 Influenza and pneumonia (J10-J18)	2 592	6.4	2 Influenza and pneumonia (J10-J18)	1 044	5.4	2 Influenza and pneumonia (J10-J18)	1 548	7.4
3 Intestinal infectious diseases (A00-A09)	2 115	5.2	3 Intestinal infectious diseases (A00-A09)	741	3.8	3 Intestinal infectious diseases (A00-A09)	1 374	6.5
4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 932	4.8	4 Human immunodeficiency virus [HIV] disease (B20-B24)	714	3.7	4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 218	5.8
5 Certain disorders involving the immune mechanism (D80-D89)	1 634	4.0	5 Certain disorders involving the immune mechanism (D80-D89)	583	3.0	5 Certain disorders involving the immune mechanism (D80-D89)	1 051	5.0
6 Other viral diseases (B25-B34)	1 235	3.1	6 Other viral diseases (B25-B34)	428	2.2	6 Other viral diseases (B25-B34)	807	3.8
7 Chronic lower respiratory diseases (J40-J47)	878	2.2	7 Chronic lower respiratory diseases (J40-J47)	423	2.2	7 Inflammatory diseases of the central nervous system (G00-G09)	471	2.2
8 Inflammatory diseases of the central nervous system (G00-G09)	842	2.1	8 Inflammatory diseases of the central nervous system (G00-G09)	371	1.9	8 Chronic lower respiratory diseases (J40-J47)	455	2.2
9 Other forms of heart disease (I30-I52)	731	1.8	9 Other forms of heart disease (I30-I52)	355	1.8	9 Other forms of heart disease (I30-I52)	376	1.8
10 Cerebrovascular diseases (I60-I69)	643	1.6	10 Cerebrovascular diseases (I60-I69)	310	1.6	10 Noninfective enteritis and colitis (K50-K52)	338	1.6
... Other causes	19 863	49.2	... Other causes	10 419	53.8	... Other causes	9 439	44.9
... All causes	40 382	100.0	... All causes	19 351	100.0	... All causes	21 031	100.0
Eastern Cape, both sexes, 50-64 years		Eastern Cape, male, 50-64 years		Eastern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 919	12.8	1 Tuberculosis (A15-A19)	1 279	14.8	1 Tuberculosis (A15-A19)	640	10.1
2 Chronic lower respiratory diseases (J40-J47)	999	6.7	2 Chronic lower respiratory diseases (J40-J47)	650	7.5	2 Diabetes mellitus (E10-E14)	494	7.8
3 Cerebrovascular diseases (I60-I69)	966	6.4	3 Cerebrovascular diseases (I60-I69)	486	5.6	3 Cerebrovascular diseases (I60-I69)	480	7.5
4 Diabetes mellitus (E10-E14)	807	5.4	4 Influenza and pneumonia (J10-J18)	416	4.8	4 Chronic lower respiratory diseases (J40-J47)	349	5.5
5 Influenza and pneumonia (J10-J18)	703	4.7	5 Malignant neoplasms of digestive organs (C15-C26)	402	4.7	5 Other forms of heart disease (I30-I52)	324	5.1
6 Other forms of heart disease (I30-I52)	680	4.5	6 Other forms of heart disease (I30-I52)	356	4.1	6 Hypertensive diseases (I10-I15)	288	4.5
7 Malignant neoplasms of digestive organs (C15-C26)	671	4.5	7 Diabetes mellitus (E10-E14)	313	3.6	7 Influenza and pneumonia (J10-J18)	287	4.5
8 Hypertensive diseases (I10-I15)	484	3.2	8 Ischaemic heart diseases (I20-I25)	226	2.6	8 Malignant neoplasms of digestive organs (C15-C26)	269	4.2
9 Intestinal infectious diseases (A00-A09)	358	2.4	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	207	2.4	9 Intestinal infectious diseases (A00-A09)	185	2.9
10 Ischaemic heart diseases (I20-I25)	344	2.3	10 Hypertensive diseases (I10-I15)	196	2.3	10 Malignant neoplasms of female genital organs (C51-C58)	171	2.7
... Other causes	7 055	47.1	... Other causes	4 088	47.4	... Other causes	2 880	45.2
... All causes	14 986	100.0	... All causes	8 619	100.0	... All causes	6 367	100.0
Eastern Cape, both sexes, 65 years and above		Eastern Cape, male, 65 years and above		Eastern Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	2 106	9.5	1 Chronic lower respiratory diseases (J40-J47)	890	9.3	1 Cerebrovascular diseases (I60-I69)	1 355	10.9
2 Other forms of heart disease (I30-I52)	1 692	7.7	2 Cerebrovascular diseases (I60-I69)	751	7.8	2 Other forms of heart disease (I30-I52)	1 065	8.5
3 Chronic lower respiratory diseases (J40-J47)	1 641	7.4	3 Tuberculosis (A15-A19)	656	6.8	3 Diabetes mellitus (E10-E14)	812	6.5
4 Diabetes mellitus (E10-E14)	1 230	5.6	4 Other forms of heart disease (I30-I52)	627	6.5	4 Chronic lower respiratory diseases (J40-J47)	751	6.0
5 Tuberculosis (A15-A19)	1 162	5.3	5 Malignant neoplasms of digestive organs (C15-C26)	468	4.9	5 Hypertensive diseases (I10-I15)	740	5.9
6 Hypertensive diseases (I10-I15)	1 055	4.8	6 Influenza and pneumonia (J10-J18)	430	4.5	6 Influenza and pneumonia (J10-J18)	570	4.6
7 Influenza and pneumonia (J10-J18)	1 000	4.5	7 Diabetes mellitus (E10-E14)	418	4.3	7 Tuberculosis (A15-A19)	506	4.1
8 Malignant neoplasms of digestive organs (C15-C26)	960	4.3	8 Hypertensive diseases (I10-I15)	315	3.3	8 Malignant neoplasms of digestive organs (C15-C26)	492	3.9
9 Ischaemic heart diseases (I20-I25)	649	2.9	9 Ischaemic heart diseases (I20-I25)	314	3.3	9 Ischaemic heart diseases (I20-I25)	335	2.7
10 Other diseases of the respiratory system (J90-J94)	415	1.9	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	220	2.3	10 Intestinal infectious diseases (A00-A09)	241	1.9
... Other causes	10 164	46.0	... Other causes	4 526	47.1	... Other causes	5 592	44.9
... All causes	22 074	100.0	... All causes	9 615	100.0	... All causes	12 459	100.0

Excluding a total of 459 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Northern Cape, 2004

Northern Cape, both sexes, all ages		Northern Cape, male, all ages		Northern Cape, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	1 573	12.7	1 Tuberculosis (A15-A19)	849	13.3	1 Tuberculosis (A15-A19)	724	12.1
2 Influenza and pneumonia (J10-J18)	860	7.0	2 Influenza and pneumonia (J10-J18)	422	6.6	2 Influenza and pneumonia (J10-J18)	438	7.3
3 Cerebrovascular diseases (I60-I69)	652	5.3	3 Chronic lower respiratory diseases (J40-J47)	355	5.6	3 Cerebrovascular diseases (I60-I69)	365	6.1
4 Chronic lower respiratory diseases (J40-J47)	551	4.5	4 Cerebrovascular diseases (I60-I69)	287	4.5	4 Other forms of heart disease (I30-I52)	308	5.2
5 Other forms of heart disease (I30-I52)	534	4.3	5 Ischaemic heart diseases (I20-I25)	231	3.6	5 Human immunodeficiency virus [HIV] disease (B20-B24)	266	4.4
6 Human immunodeficiency virus [HIV] disease (B20-B24)	432	3.5	6 Other forms of heart disease (I30-I52)	226	3.5	6 Certain disorders involving the immune mechanism (D80-D89)	245	4.1
7 Intestinal infectious diseases (A00-A09)	425	3.4	7 Intestinal infectious diseases (A00-A09)	188	2.9	7 Intestinal infectious diseases (A00-A09)	237	4.0
8 Certain disorders involving the immune mechanism (D80-D89)	402	3.3	8 Malignant neoplasms of digestive organs (C15-C26)	170	2.7	8 Hypertensive diseases (I10-I15)	201	3.4
9 Ischaemic heart diseases (I20-I25)	398	3.2	9 Human immunodeficiency virus [HIV] disease (B20-B24)	166	2.6	9 Chronic lower respiratory diseases (J40-J47)	196	3.3
10 Diabetes mellitus (E10-E14)	300	2.4	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	159	2.5	10 Diabetes mellitus (E10-E14)	189	3.2
... Other causes	6 239	50.5	... Other causes	3 335	52.2	... Other causes	2 809	47.0
... All causes	12 366	100.0	... All causes	6 388	100.0	... All causes	5 978	100.0
Northern Cape, both sexes, 0-14 years		Northern Cape, male, 0-14 years		Northern Cape, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	271	19.8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	155	21.0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	116	18.5
2 Digestive system disorders of foetus and newborn (P75-P78)	191	14.0	2 Digestive system disorders of foetus and newborn (P75-P78)	99	13.4	2 Digestive system disorders of foetus and newborn (P75-P78)	92	14.6
3 Intestinal infectious diseases (A00-A09)	101	7.4	3 Intestinal infectious diseases (A00-A09)	57	7.7	3 Intestinal infectious diseases (A00-A09)	44	7.0
4 Infections specific to the perinatal period (P35-P39)	77	5.6	4 Infections specific to the perinatal period (P35-P39)	39	5.3	4 Infections specific to the perinatal period (P35-P39)	38	6.1
5 Malnutrition (E40-E46)	70	5.1	5 Malnutrition (E40-E46)	36	4.9	5 Malnutrition (E40-E46)	34	5.4
6 Other disorders originating in the perinatal period (P90-P96)	59	4.3	6 Other disorders originating in the perinatal period (P90-P96)	36	4.9	6 Other disorders originating in the perinatal period (P90-P96)	23	3.7
7 Influenza and pneumonia (J10-J18)	43	3.1	7 Disorders related to the length of gestation and foetal growth (P05-P08)	28	3.8	7 Certain disorders involving the immune mechanism (D80-D89)	18	2.9
8 Disorders related to the length of gestation and foetal growth (P05-P08)	41	3.0	8 Influenza and pneumonia (J10-J18)	25	3.4	8 Influenza and pneumonia (J10-J18)	18	2.9
9 Tuberculosis (A15-A19)	39	2.9	9 Tuberculosis (A15-A19)	22	3.0	9 Tuberculosis (A15-A19)	17	2.7
10 Certain disorders involving the immune mechanism (D80-D89)	35	2.6	10 Certain disorders involving the immune mechanism (D80-D89)	17	2.3	10 Transitory endocrine and metabolic disorders specific to foetus and newborn (P70-P74)	16	2.5
... Other causes	439	32.1	... Other causes	224	30.4	... Other causes	212	33.8
... All causes	1 366	100.0	... All causes	738	100.0	... All causes	628	100.0
Northern Cape, both sexes, 15-49 years		Northern Cape, male, 15-49 years		Northern Cape, female, 15-49 years				
1 Tuberculosis (A15-A19)	1 193	22.0	1 Tuberculosis (A15-A19)	612	22.4	1 Tuberculosis (A15-A19)	581	21.6
2 Influenza and pneumonia (J10-J18)	493	9.1	2 Influenza and pneumonia (J10-J18)	213	7.8	2 Influenza and pneumonia (J10-J18)	280	10.4
3 Human immunodeficiency virus [HIV] disease (B20-B24)	366	6.7	3 Human immunodeficiency virus [HIV] disease (B20-B24)	131	4.8	3 Human immunodeficiency virus [HIV] disease (B20-B24)	235	8.7
4 Certain disorders involving the immune mechanism (D80-D89)	322	5.9	4 Certain disorders involving the immune mechanism (D80-D89)	114	4.2	4 Certain disorders involving the immune mechanism (D80-D89)	208	7.7
5 Intestinal infectious diseases (A00-A09)	226	4.2	5 Intestinal infectious diseases (A00-A09)	87	3.2	5 Intestinal infectious diseases (A00-A09)	139	5.2
6 Other forms of heart disease (I30-I52)	130	2.4	6 Cerebrovascular diseases (I60-I69)	60	2.2	6 Other viral diseases (B25-B34)	83	3.1
7 Other viral diseases (B25-B34)	124	2.3	7 Other forms of heart disease (I30-I52)	52	1.9	7 Other forms of heart disease (I30-I52)	78	2.9
8 Cerebrovascular diseases (I60-I69)	112	2.1	8 Chronic lower respiratory diseases (J40-J47)	51	1.9	8 Cerebrovascular diseases (I60-I69)	52	1.9
9 Chronic lower respiratory diseases (J40-J47)	90	1.7	9 Ischaemic heart diseases (I20-I25)	46	1.7	9 Inflammatory diseases of the central nervous system (G00-G09)	40	1.5
10 Inflammatory diseases of the central nervous system (G00-G09)	76	1.4	10 Other viral diseases (B25-B34)	41	1.5	10 Diseases of liver (K70-K77)	40	1.5
... Other causes	2 292	42.3	... Other causes	1 327	48.5	... Other causes	954	35.5
... All causes	5 424	100.0	... All causes	2 734	100.0	... All causes	2 690	100.0
Northern Cape, both sexes, 50-64 years		Northern Cape, male, 50-64 years		Northern Cape, female, 50-64 years				
1 Tuberculosis (A15-A19)	251	10.3	1 Tuberculosis (A15-A19)	157	11.1	1 Tuberculosis (A15-A19)	94	9.1
2 Chronic lower respiratory diseases (J40-J47)	198	8.1	2 Chronic lower respiratory diseases (J40-J47)	128	9.1	2 Cerebrovascular diseases (I60-I69)	81	7.8
3 Cerebrovascular diseases (I60-I69)	165	6.7	3 Influenza and pneumonia (J10-J18)	91	6.4	3 Chronic lower respiratory diseases (J40-J47)	70	6.8
4 Influenza and pneumonia (J10-J18)	157	6.4	4 Ischaemic heart diseases (I20-I25)	85	6.0	4 Other forms of heart disease (I30-I52)	66	6.4
5 Other forms of heart disease (I30-I52)	141	5.8	5 Cerebrovascular diseases (I60-I69)	84	5.9	5 Influenza and pneumonia (J10-J18)	66	6.4
6 Ischaemic heart diseases (I20-I25)	124	5.1	6 Malignant neoplasms of digestive organs (C15-C26)	76	5.4	6 Hypertensive diseases (I10-I15)	60	5.8
7 Malignant neoplasms of digestive organs (C15-C26)	113	4.6	7 Other forms of heart disease (I30-I52)	75	5.3	7 Diabetes mellitus (E10-E14)	59	5.7
8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	106	4.3	8 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	67	4.7	8 Malignant neoplasms of female genital organs (C51-C58)	47	4.5
9 Diabetes mellitus (E10-E14)	97	4.0	9 Diabetes mellitus (E10-E14)	38	2.7	9 Ischaemic heart diseases (I20-I25)	39	3.8
10 Hypertensive diseases (I10-I15)	91	3.7	10 Diseases of liver (K70-K77)	32	2.3	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	39	3.8
... Other causes	1 003	41.0	... Other causes	579	41.0	... Other causes	413	39.9
... All causes	2 446	100.0	... All causes	1 412	100.0	... All causes	1 034	100.0
Northern Cape, both sexes, 65 years and above		Northern Cape, male, 65 years and above		Northern Cape, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	373	11.9	1 Chronic lower respiratory diseases (J40-J47)	173	11.5	1 Cerebrovascular diseases (I60-I69)	231	14.2
2 Chronic lower respiratory diseases (J40-J47)	259	8.3	2 Cerebrovascular diseases (I60-I69)	142	9.4	2 Other forms of heart disease (I30-I52)	154	9.5
3 Other forms of heart disease (I30-I52)	250	8.0	3 Ischaemic heart diseases (I20-I25)	100	6.6	3 Hypertensive diseases (I10-I15)	118	7.3
4 Ischaemic heart diseases (I20-I25)	207	6.6	4 Other forms of heart disease (I30-I52)	96	6.4	4 Diabetes mellitus (E10-E14)	110	6.8
5 Influenza and pneumonia (J10-J18)	167	5.3	5 Influenza and pneumonia (J10-J18)	93	6.2	5 Ischaemic heart diseases (I20-I25)	107	6.6
6 Hypertensive diseases (I10-I15)	166	5.3	6 Malignant neoplasms of digestive organs (C15-C26)	69	4.6	6 Chronic lower respiratory diseases (J40-J47)	86	5.3
7 Diabetes mellitus (E10-E14)	163	5.2	7 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	68	4.5	7 Influenza and pneumonia (J10-J18)	74	4.6
8 Malignant neoplasms of digestive organs (C15-C26)	119	3.8	8 Malignant neoplasms of male genital organs (C60-C63)	60	4.0	8 Malignant neoplasms of digestive organs (C15-C26)	50	3.1
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	98	3.1	9 Tuberculosis (A15-A19)	58	3.9	9 Malignant neoplasms of female genital organs (C51-C58)	38	2.3
10 Tuberculosis (A15-A19)	90	2.9	10 Diabetes mellitus (E10-E14)	53	3.5	10 Tuberculosis (A15-A19)	32	2.0
... Other causes	1 238	39.6	... Other causes	592	39.4	... Other causes	626	38.5
... All causes	3 130	100.0	... All causes	1 504	100.0	... All causes	1 626	100.0

Excluding a total of 65 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Free State, 2004

Free State, both sexes, all ages		Free State, male, all ages		Free State, female, all ages				
No.	%	No.	%	No.	%			
1 Influenza and pneumonia (J10-J18)	6 530	13.4	1 Tuberculosis (A15-A19)	3 135	12.8	1 Influenza and pneumonia (J10-J18)	3 533	14.6
2 Tuberculosis (A15-A19)	5 642	11.6	2 Influenza and pneumonia (J10-J18)	2 997	12.3	2 Tuberculosis (A15-A19)	2 507	10.3
3 Intestinal infectious diseases (A00-A09)	2 880	5.9	3 Intestinal infectious diseases (A00-A09)	1 198	4.9	3 Intestinal infectious diseases (A00-A09)	1 682	6.9
4 Other forms of heart disease (I30-I52)	2 315	4.8	4 Certain disorders involving the immune mechanism (D80-D89)	1 030	4.2	4 Other forms of heart disease (I30-I52)	1 321	5.5
5 Certain disorders involving the immune mechanism (D80-D89)	2 268	4.7	5 Other forms of heart disease (I30-I52)	994	4.1	5 Certain disorders involving the immune mechanism (D80-D89)	1 238	5.1
6 Cerebrovascular diseases (I60-I69)	1 894	3.9	6 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	901	3.7	6 Cerebrovascular diseases (I60-I69)	1 132	4.7
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 702	3.5	7 Cerebrovascular diseases (I60-I69)	762	3.1	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	801	3.3
8 Chronic lower respiratory diseases (J40-J47)	1 053	2.2	8 Chronic lower respiratory diseases (J40-J47)	664	2.7	8 Diabetes mellitus (E10-E14)	646	2.7
9 Digestive system disorders of foetus and newborn (P75-P78)	1 020	2.1	9 Digestive system disorders of foetus and newborn (P75-P78)	574	2.4	9 Hypertensive diseases (I10-I15)	613	2.5
10 Diabetes mellitus (E10-E14)	1 016	2.1	10 Human immunodeficiency virus [HIV] disease (B20-B24)	556	2.3	10 Digestive system disorders of foetus and newborn (P75-P78)	446	1.8
... Other causes	22 314	45.9	... Other causes	11 598	47.5	... Other causes	10 306	42.5
... All causes	48 634	100.0	... All causes	24 409	100.0	... All causes	24 225	100.0
Free State, both sexes, 0-14 years		Free State, male, 0-14 years		Free State, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 702	25.3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	901	24.9	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	801	25.7
2 Digestive system disorders of foetus and newborn (P75-P78)	1 020	15.2	2 Digestive system disorders of foetus and newborn (P75-P78)	574	15.9	2 Digestive system disorders of foetus and newborn (P75-P78)	446	14.3
3 Other disorders originating in the perinatal period (P90-P96)	521	7.7	3 Other disorders originating in the perinatal period (P90-P96)	278	7.7	3 Other disorders originating in the perinatal period (P90-P96)	243	7.8
4 Intestinal infectious diseases (A00-A09)	435	6.5	4 Intestinal infectious diseases (A00-A09)	220	6.1	4 Intestinal infectious diseases (A00-A09)	215	6.9
5 Influenza and pneumonia (J10-J18)	370	5.5	5 Influenza and pneumonia (J10-J18)	180	5.0	5 Influenza and pneumonia (J10-J18)	190	6.1
6 Malnutrition (E40-E46)	306	4.6	6 Malnutrition (E40-E46)	159	4.4	6 Malnutrition (E40-E46)	147	4.7
7 Certain disorders involving the immune mechanism (D80-D89)	225	3.3	7 Infections specific to the perinatal period (P35-P39)	123	3.4	7 Certain disorders involving the immune mechanism (D80-D89)	104	3.3
8 Infections specific to the perinatal period (P35-P39)	196	2.9	8 Certain disorders involving the immune mechanism (D80-D89)	121	3.3	8 Disorders related to the length of gestation and foetal growth (P05-P08)	87	2.8
9 Disorders related to the length of gestation and foetal growth (P05-P08)	180	2.7	9 Tuberculosis (A15-A19)	93	2.6	9 Tuberculosis (A15-A19)	76	2.4
10 Tuberculosis (A15-A19)	169	2.5	10 Disorders related to the length of gestation and foetal growth (P05-P08)	93	2.6	10 Infections specific to the perinatal period (P35-P39)	73	2.3
... Other causes	1 601	23.8	... Other causes	872	24.1	... Other causes	729	23.4
... All causes	6 725	100.0	... All causes	3 614	100.0	... All causes	3 111	100.0
Free State, both sexes, 15-49 years		Free State, male, 15-49 years		Free State, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 503	18.0	1 Tuberculosis (A15-A19)	2 413	19.6	1 Influenza and pneumonia (J10-J18)	2 577	20.3
2 Influenza and pneumonia (J10-J18)	4 477	17.9	2 Influenza and pneumonia (J10-J18)	1 900	15.4	2 Tuberculosis (A15-A19)	2 090	16.4
3 Intestinal infectious diseases (A00-A09)	1 856	7.4	3 Certain disorders involving the immune mechanism (D80-D89)	782	6.4	3 Intestinal infectious diseases (A00-A09)	1 156	9.1
4 Certain disorders involving the immune mechanism (D80-D89)	1 805	7.2	4 Intestinal infectious diseases (A00-A09)	700	5.7	4 Certain disorders involving the immune mechanism (D80-D89)	1 023	8.0
5 Human immunodeficiency virus [HIV] disease (B20-B24)	761	3.0	5 Human immunodeficiency virus [HIV] disease (B20-B24)	463	3.8	5 Other forms of heart disease (I30-I52)	349	2.7
6 Other forms of heart disease (I30-I52)	631	2.5	6 Other forms of heart disease (I30-I52)	282	2.3	6 Human immunodeficiency virus [HIV] disease (B20-B24)	298	2.3
7 Inflammatory diseases of the central nervous system (G00-G09)	521	2.1	7 Inflammatory diseases of the central nervous system (G00-G09)	234	1.9	7 Inflammatory diseases of the central nervous system (G00-G09)	287	2.3
8 Cerebrovascular diseases (I60-I69)	372	1.5	8 Cerebrovascular diseases (I60-I69)	176	1.4	8 Aplastic and other anaemias (D60-D64)	205	1.6
9 Aplastic and other anaemias (D60-D64)	315	1.3	9 Chronic lower respiratory diseases (J40-J47)	163	1.3	9 Cerebrovascular diseases (I60-I69)	196	1.5
10 Other respiratory diseases principally affecting the interstitium (J80-J84)	311	1.2	10 Metabolic disorders (E70-E88)	130	1.1	10 Other respiratory diseases principally affecting the interstitium (J80-J84)	185	1.5
... Other causes	9 465	37.8	... Other causes	5 061	41.1	... Other causes	4 347	34.2
... All causes	25 017	100.0	... All causes	12 304	100.0	... All causes	12 713	100.0
Free State, both sexes, 50-64 years		Free State, male, 50-64 years		Free State, female, 50-64 years				
1 Influenza and pneumonia (J10-J18)	973	12.2	1 Influenza and pneumonia (J10-J18)	561	12.1	1 Influenza and pneumonia (J10-J18)	412	12.4
2 Tuberculosis (A15-A19)	787	9.9	2 Tuberculosis (A15-A19)	520	11.2	2 Cerebrovascular diseases (I60-I69)	289	8.7
3 Other forms of heart disease (I30-I52)	568	7.1	3 Other forms of heart disease (I30-I52)	303	6.5	3 Tuberculosis (A15-A19)	267	8.0
4 Cerebrovascular diseases (I60-I69)	564	7.1	4 Cerebrovascular diseases (I60-I69)	275	5.9	4 Other forms of heart disease (I30-I52)	265	8.0
5 Diabetes mellitus (E10-E14)	343	4.3	5 Chronic lower respiratory diseases (J40-J47)	233	5.0	5 Diabetes mellitus (E10-E14)	196	5.9
6 Intestinal infectious diseases (A00-A09)	342	4.3	6 Intestinal infectious diseases (A00-A09)	166	3.6	6 Intestinal infectious diseases (A00-A09)	176	5.3
7 Chronic lower respiratory diseases (J40-J47)	332	4.2	7 Malignant neoplasms of digestive organs (C15-C26)	152	3.3	7 Hypertensive diseases (I10-I15)	145	4.4
8 Hypertensive diseases (I10-I15)	260	3.3	8 Diabetes mellitus (E10-E14)	147	3.2	8 Malignant neoplasms of female genital organs (C51-C58)	112	3.4
9 Malignant neoplasms of digestive organs (C15-C26)	219	2.7	9 Ischaemic heart diseases (I20-I25)	128	2.8	9 Chronic lower respiratory diseases (J40-J47)	99	3.0
10 Certain disorders involving the immune mechanism (D80-D89)	207	2.6	10 Hypertensive diseases (I10-I15)	115	2.5	10 Certain disorders involving the immune mechanism (D80-D89)	95	2.9
... Other causes	3 378	42.4	... Other causes	2 042	44.0	... Other causes	1 275	38.3
... All causes	7 973	100.0	... All causes	4 642	100.0	... All causes	3 331	100.0
Free State, both sexes, 65 years and above		Free State, male, 65 years and above		Free State, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	1 088	12.2	1 Other forms of heart disease (I30-I52)	396	10.3	1 Other forms of heart disease (I30-I52)	692	13.6
2 Cerebrovascular diseases (I60-I69)	951	10.7	2 Influenza and pneumonia (J10-J18)	356	9.2	2 Cerebrovascular diseases (I60-I69)	640	12.6
3 Influenza and pneumonia (J10-J18)	710	8.0	3 Cerebrovascular diseases (I60-I69)	311	8.1	3 Hypertensive diseases (I10-I15)	374	7.4
4 Hypertensive diseases (I10-I15)	525	5.9	4 Chronic lower respiratory diseases (J40-J47)	264	6.9	4 Influenza and pneumonia (J10-J18)	354	7.0
5 Diabetes mellitus (E10-E14)	491	5.4	5 Ischaemic heart diseases (I20-I25)	224	5.8	5 Diabetes mellitus (E10-E14)	340	6.7
6 Ischaemic heart diseases (I20-I25)	436	4.9	6 Malignant neoplasms of digestive organs (C15-C26)	158	4.1	6 Ischaemic heart diseases (I20-I25)	212	4.2
7 Chronic lower respiratory diseases (J40-J47)	411	4.6	7 Hypertensive diseases (I10-I15)	151	3.9	7 Chronic lower respiratory diseases (J40-J47)	147	2.9
8 Malignant neoplasms of digestive organs (C15-C26)	272	3.0	8 Diabetes mellitus (E10-E14)	141	3.7	8 Intestinal infectious diseases (A00-A09)	135	2.7
9 Intestinal infectious diseases (A00-A09)	247	2.8	9 Intestinal infectious diseases (A00-A09)	112	2.9	9 Malignant neoplasms of digestive organs (C15-C26)	114	2.2
10 Tuberculosis (A15-A19)	183	2.1	10 Tuberculosis (A15-A19)	109	2.8	10 Malignant neoplasms of female genital organs (C51-C58)	99	2.0
... Other causes	3 615	40.5	... Other causes	1 627	42.3	... Other causes	1 963	38.7
... All causes	8 919	100.0	... All causes	3 849	100.0	... All causes	5 070	100.0

Excluding a total of 184 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: KwaZulu-Natal, 2004

KwaZulu-Natal, both sexes, all ages		KwaZulu-Natal, male, all ages		KwaZulu-Natal, female, all ages	
No.	%	No.	%	No.	%
1 Tuberculosis (A15-A19)	21 263 16,4	1 Tuberculosis (A15-A19)	10 967 17,1	1 Tuberculosis (A15-A19)	10 296 15,6
2 Influenza and pneumonia (J10-J18)	8 940 6,9	2 Influenza and pneumonia (J10-J18)	3 963 6,2	2 Influenza and pneumonia (J10-J18)	4 977 7,6
3 Intestinal infectious diseases (A00-A09)	6 864 5,3	3 Intestinal infectious diseases (A00-A09)	2 964 4,6	3 Intestinal infectious diseases (A00-A09)	3 900 5,9
4 Cerebrovascular diseases (I60-I69)	5 686 4,4	4 Cerebrovascular diseases (I60-I69)	2 297 3,6	4 Cerebrovascular diseases (I60-I69)	3 389 5,1
5 Other forms of heart disease (I30-I52)	4 622 3,6	5 Other forms of heart disease (I30-I52)	2 084 3,3	5 Diabetes mellitus (E10-E14)	2 688 4,1
6 Diabetes mellitus (E10-E14)	4 277 3,3	6 Chronic lower respiratory diseases (J40-J47)	1 619 2,5	6 Other forms of heart disease (I30-I52)	2 538 3,9
7 Human immunodeficiency virus [HIV] disease (B20-B24)	3 044 2,3	7 Diabetes mellitus (E10-E14)	1 589 2,5	7 Human immunodeficiency virus [HIV] disease (B20-B24)	1 620 2,5
8 Chronic lower respiratory diseases (J40-J47)	2 779 2,1	8 Ischaemic heart diseases (I20-I25)	1 496 2,3	8 Hypertensive diseases (I10-I15)	1 433 2,2
9 Ischaemic heart diseases (I20-I25)	2 650 2,0	9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 424 2,2	9 Certain disorders involving the immune mechanism (D80-D89)	1 403 2,1
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 528 1,9	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 320 2,1	10 Other viral diseases (B25-B34)	1 310 2,0
... Other causes	67 134 51,7	... Other causes	34 249 53,5	... Other causes	32 281 49,0
... All causes	129 787 100,0	... All causes	63 952 100,0	... All causes	65 835 100,0
KwaZulu-Natal, both sexes, 0-14 years		KwaZulu-Natal, male, 0-14 years		KwaZulu-Natal, female, 0-14 years	
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 528 16,7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 320 16,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 208 16,9
2 Digestive system disorders of foetus and newborn (P75-P78)	1 923 12,7	2 Digestive system disorders of foetus and newborn (P75-P78)	989 12,4	2 Digestive system disorders of foetus and newborn (P75-P78)	934 13,1
3 Intestinal infectious diseases (A00-A09)	1 196 7,9	3 Intestinal infectious diseases (A00-A09)	637 8,0	3 Intestinal infectious diseases (A00-A09)	559 7,8
4 Other disorders originating in the perinatal period (P90-P96)	947 6,3	4 Other disorders originating in the perinatal period (P90-P96)	532 6,7	4 Other disorders originating in the perinatal period (P90-P96)	415 5,8
5 Influenza and pneumonia (J10-J18)	674 4,5	5 Influenza and pneumonia (J10-J18)	332 4,2	5 Influenza and pneumonia (J10-J18)	342 4,8
6 Tuberculosis (A15-A19)	578 3,8	6 Tuberculosis (A15-A19)	313 3,9	6 Tuberculosis (A15-A19)	265 3,7
7 Infections specific to the perinatal period (P35-P39)	551 3,6	7 Infections specific to the perinatal period (P35-P39)	286 3,6	7 Infections specific to the perinatal period (P35-P39)	265 3,7
8 Disorders related to the length of gestation and foetal growth (P05-P08)	384 2,5	8 Disorders related to the length of gestation and foetal growth (P05-P08)	213 2,7	8 Malnutrition (E40-E46)	172 2,4
9 Malnutrition (E40-E46)	337 2,2	9 Malnutrition (E40-E46)	165 2,1	9 Disorders related to the length of gestation and foetal growth (P05-P08)	171 2,4
10 Other viral diseases (B25-B34)	312 2,1	10 Other viral diseases (B25-B34)	155 1,9	10 Other viral diseases (B25-B34)	157 2,2
... Other causes	5 694 37,6	... Other causes	3 039 38,1	... Other causes	2 655 37,2
... All causes	15 124 100,0	... All causes	7 981 100,0	... All causes	7 143 100,0
KwaZulu-Natal, both sexes, 15-49 years		KwaZulu-Natal, male, 15-49 years		KwaZulu-Natal, female, 15-49 years	
1 Tuberculosis (A15-A19)	17 213 24,6	1 Tuberculosis (A15-A19)	8 379 24,5	1 Tuberculosis (A15-A19)	8 834 24,8
2 Influenza and pneumonia (J10-J18)	6 235 8,9	2 Influenza and pneumonia (J10-J18)	2 592 7,6	2 Influenza and pneumonia (J10-J18)	3 643 10,2
3 Intestinal infectious diseases (A00-A09)	4 305 6,2	3 Intestinal infectious diseases (A00-A09)	1 717 5,0	3 Intestinal infectious diseases (A00-A09)	2 588 7,3
4 Human immunodeficiency virus [HIV] disease (B20-B24)	2 514 3,6	4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 137 3,3	4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 377 3,9
5 Certain disorders involving the immune mechanism (D80-D89)	1 929 2,8	5 Inflammatory diseases of the central nervous system (G00-G09)	833 2,4	5 Certain disorders involving the immune mechanism (D80-D89)	1 173 3,3
6 Inflammatory diseases of the central nervous system (G00-G09)	1 920 2,7	6 Certain disorders involving the immune mechanism (D80-D89)	756 2,2	6 Inflammatory diseases of the central nervous system (G00-G09)	1 087 3,1
7 Other viral diseases (B25-B34)	1 791 2,6	7 Other viral diseases (B25-B34)	726 2,1	7 Other viral diseases (B25-B34)	1 065 3,0
8 Other forms of heart disease (I30-I52)	1 198 1,7	8 Other forms of heart disease (I30-I52)	572 1,7	8 Other acute lower respiratory infections (J20-J22)	1 657 4,8
9 Other acute lower respiratory infections (J20-J22)	1 144 1,6	9 Cerebrovascular diseases (I60-I69)	501 1,5	9 Other forms of heart disease (I30-I52)	626 1,8
10 Noninfective enteritis and colitis (K50-K52)	1 059 1,5	10 Other acute lower respiratory infections (J20-J22)	487 1,4	10 Noninfective enteritis and colitis (K50-K52)	626 1,8
... Other causes	30 560 43,7	... Other causes	16 538 48,3	... Other causes	13 954 39,2
... All causes	69 868 100,0	... All causes	34 238 100,0	... All causes	35 630 100,0
KwaZulu-Natal, both sexes, 50-64 years		KwaZulu-Natal, male, 50-64 years		KwaZulu-Natal, female, 50-64 years	
1 Tuberculosis (A15-A19)	2 647 13,4	1 Tuberculosis (A15-A19)	1 781 15,5	1 Diabetes mellitus (E10-E14)	909 11,1
2 Diabetes mellitus (E10-E14)	1 561 7,9	2 Cerebrovascular diseases (I60-I69)	749 6,5	2 Tuberculosis (A15-A19)	866 10,5
3 Cerebrovascular diseases (I60-I69)	1 441 7,3	3 Diabetes mellitus (E10-E14)	652 5,7	3 Cerebrovascular diseases (I60-I69)	892 8,4
4 Other forms of heart disease (I30-I52)	1 048 5,3	4 Other forms of heart disease (I30-I52)	609 5,3	4 Other forms of heart disease (I30-I52)	439 5,3
5 Influenza and pneumonia (J10-J18)	954 4,8	5 Influenza and pneumonia (J10-J18)	572 5,0	5 Intestinal infectious diseases (A00-A09)	391 4,8
6 Ischaemic heart diseases (I20-I25)	849 4,3	6 Chronic lower respiratory diseases (J40-J47)	570 5,0	6 Influenza and pneumonia (J10-J18)	382 4,7
7 Chronic lower respiratory diseases (J40-J47)	762 3,9	7 Ischaemic heart diseases (I20-I25)	544 4,7	7 Hypertensive diseases (I10-I15)	347 4,2
8 Intestinal infectious diseases (A00-A09)	748 3,8	8 Intestinal infectious diseases (A00-A09)	357 3,1	8 Ischaemic heart diseases (I20-I25)	305 3,7
9 Hypertensive diseases (I10-I15)	638 3,2	9 Malignant neoplasms of digestive organs (C15-C26)	329 2,9	9 Malignant neoplasms of female genital organs (C51-C58)	217 2,6
10 Malignant neoplasms of digestive organs (C15-C26)	478 2,4	10 Hypertensive diseases (I10-I15)	291 2,5	10 Chronic lower respiratory diseases (J40-J47)	192 2,3
... Other causes	8 576 43,5	... Other causes	5 034 43,8	... Other causes	3 474 42,3
... All causes	19 702 100,0	... All causes	11 488 100,0	... All causes	8 214 100,0
KwaZulu-Natal, both sexes, 65 years and above		KwaZulu-Natal, male, 65 years and above		KwaZulu-Natal, female, 65 years and above	
1 Cerebrovascular diseases (I60-I69)	3 152 12,6	1 Cerebrovascular diseases (I60-I69)	1 029 10,0	1 Cerebrovascular diseases (I60-I69)	2 123 14,3
2 Other forms of heart disease (I30-I52)	2 285 9,1	2 Other forms of heart disease (I30-I52)	854 8,3	2 Diabetes mellitus (E10-E14)	1 454 9,8
3 Diabetes mellitus (E10-E14)	2 134 8,5	3 Ischaemic heart diseases (I20-I25)	682 6,7	3 Other forms of heart disease (I30-I52)	1 431 9,6
4 Ischaemic heart diseases (I20-I25)	1 391 5,5	4 Diabetes mellitus (E10-E14)	600 6,0	4 Hypertensive diseases (I10-I15)	893 6,0
5 Hypertensive diseases (I10-I15)	1 290 5,1	5 Chronic lower respiratory diseases (J40-J47)	555 5,4	5 Ischaemic heart diseases (I20-I25)	799 4,8
6 Influenza and pneumonia (J10-J18)	1 077 4,3	6 Tuberculosis (A15-A19)	494 4,8	6 Influenza and pneumonia (J10-J18)	610 4,1
7 Chronic lower respiratory diseases (J40-J47)	1 032 4,1	7 Influenza and pneumonia (J10-J18)	467 4,6	7 Chronic lower respiratory diseases (J40-J47)	477 3,2
8 Tuberculosis (A15-A19)	825 3,3	8 Hypertensive diseases (I10-I15)	397 3,9	8 Intestinal infectious diseases (A00-A09)	362 2,4
9 Malignant neoplasms of digestive organs (C15-C26)	712 2,8	9 Malignant neoplasms of digestive organs (C15-C26)	381 3,7	9 Tuberculosis (A15-A19)	331 2,2
10 Intestinal infectious diseases (A00-A09)	615 2,5	10 Intestinal infectious diseases (A00-A09)	253 2,5	10 Malignant neoplasms of digestive organs (C15-C26)	331 2,2
... Other causes	10 580 42,2	... Other causes	4 453 43,5	... Other causes	6 127 41,3
... All causes	25 093 100,0	... All causes	10 245 100,0	... All causes	14 848 100,0

Excluding a total of 1270 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: North West, 2004

North West, both sexes, all ages		North West, male, all ages		North West, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	5 871	11,7	1 Tuberculosis (A15-A19)	3 151	12,3	1 Tuberculosis (A15-A19)	2 720	11,0
2 Influenza and pneumonia (J10-J18)	4 994	9,9	2 Influenza and pneumonia (J10-J18)	2 336	9,1	2 Influenza and pneumonia (J10-J18)	2 658	10,7
3 Other forms of heart disease (I30-I52)	2 946	5,9	3 Other forms of heart disease (I30-I52)	1 382	5,4	3 Other forms of heart disease (I30-I52)	1 564	6,3
4 Intestinal infectious diseases (A00-A09)	2 490	4,9	4 Certain disorders involving the immune mechanism (D80-D89)	1 075	4,2	4 Intestinal infectious diseases (A00-A09)	1 433	5,8
5 Certain disorders involving the immune mechanism (D80-D89)	2 297	4,6	5 Intestinal infectious diseases (A00-A09)	1 057	4,1	5 Certain disorders involving the immune mechanism (D80-D89)	1 222	4,9
6 Cerebrovascular diseases (I60-I69)	2 220	4,4	6 Cerebrovascular diseases (I60-I69)	1 040	4,1	6 Cerebrovascular diseases (I60-I69)	1 180	4,8
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 773	3,5	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	929	3,6	7 Hypertensive diseases (I10-I15)	891	3,6
8 Hypertensive diseases (I10-I15)	1 456	2,9	8 Chronic lower respiratory diseases (J40-J47)	800	3,1	8 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	844	3,4
9 Chronic lower respiratory diseases (J40-J47)	1 295	2,6	9 Human immunodeficiency virus [HIV] disease (B20-B24)	639	2,5	9 Human immunodeficiency virus [HIV] disease (B20-B24)	652	2,6
10 Human immunodeficiency virus [HIV] disease (B20-B24)	1 291	2,6	10 Digestive system disorders of foetus and newborn (P75-P78)	589	2,3	10 Diabetes mellitus (E10-E14)	640	2,6
... Other causes	23 718	47,1	... Other causes	12 555	48,1	... Other causes	10 984	44,3
... All causes	50 351	100,0	... All causes	25 553	100,0	... All causes	24 798	100,0
North West, both sexes, 0-14 years		North West, male, 0-14 years		North West, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 773	24,5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	929	24,3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	844	24,7
2 Digestive system disorders of foetus and newborn (P75-P78)	1 117	15,4	2 Digestive system disorders of foetus and newborn (P75-P78)	589	15,4	2 Digestive system disorders of foetus and newborn (P75-P78)	528	15,4
3 Intestinal infectious diseases (A00-A09)	506	7,0	3 Intestinal infectious diseases (A00-A09)	258	6,8	3 Intestinal infectious diseases (A00-A09)	248	7,3
4 Influenza and pneumonia (J10-J18)	403	5,6	4 Influenza and pneumonia (J10-J18)	206	5,4	4 Influenza and pneumonia (J10-J18)	197	5,8
5 Other disorders originating in the perinatal period (P90-P96)	362	5,0	5 Other disorders originating in the perinatal period (P90-P96)	196	5,1	5 Other disorders originating in the perinatal period (P90-P96)	166	4,9
6 Malnutrition (E40-E46)	311	4,3	6 Malnutrition (E40-E46)	151	4,0	6 Malnutrition (E40-E46)	160	4,7
7 Certain disorders involving the immune mechanism (D80-D89)	279	3,9	7 Certain disorders involving the immune mechanism (D80-D89)	142	3,7	7 Certain disorders involving the immune mechanism (D80-D89)	137	4,0
8 Infections specific to the perinatal period (P35-P39)	247	3,4	8 Infections specific to the perinatal period (P35-P39)	131	3,4	8 Infections specific to the perinatal period (P35-P39)	116	3,4
9 Disorders related to the length of gestation and foetal growth (P05-P08)	214	3,0	9 Disorders related to the length of gestation and foetal growth (P05-P08)	125	3,3	9 Disorders related to the length of gestation and foetal growth (P05-P08)	89	2,6
10 Tuberculosis (A15-A19)	159	2,2	10 Tuberculosis (A15-A19)	85	2,2	10 Tuberculosis (A15-A19)	74	2,2
... Other causes	1 865	25,8	... Other causes	1 004	26,3	... Other causes	861	25,2
... All causes	7 236	100,0	... All causes	3 816	100,0	... All causes	3 420	100,0
North West, both sexes, 15-49 years		North West, male, 15-49 years		North West, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 613	18,5	1 Tuberculosis (A15-A19)	2 286	18,9	1 Tuberculosis (A15-A19)	2 327	18,1
2 Influenza and pneumonia (J10-J18)	3 351	13,4	2 Influenza and pneumonia (J10-J18)	1 395	11,5	2 Influenza and pneumonia (J10-J18)	1 956	15,2
3 Certain disorders involving the immune mechanism (D80-D89)	1 795	7,2	3 Certain disorders involving the immune mechanism (D80-D89)	805	6,7	3 Certain disorders involving the immune mechanism (D80-D89)	990	7,7
4 Intestinal infectious diseases (A00-A09)	1 465	5,9	4 Intestinal infectious diseases (A00-A09)	562	4,7	4 Intestinal infectious diseases (A00-A09)	903	7,0
5 Human immunodeficiency virus [HIV] disease (B20-B24)	1 083	4,3	5 Human immunodeficiency virus [HIV] disease (B20-B24)	507	4,2	5 Human immunodeficiency virus [HIV] disease (B20-B24)	576	4,5
6 Other forms of heart disease (I30-I52)	950	3,8	6 Other forms of heart disease (I30-I52)	437	3,6	6 Other forms of heart disease (I30-I52)	513	4,0
7 Other acute lower respiratory infections (J20-J22)	432	1,7	7 Inflammatory diseases of the central nervous system (G00-G09)	207	1,7	7 Other acute lower respiratory infections (J20-J22)	257	2,0
8 Inflammatory diseases of the central nervous system (G00-G09)	418	1,7	8 Cerebrovascular diseases (I60-I69)	188	1,6	8 Other viral diseases (B25-B34)	233	1,8
9 Other viral diseases (B25-B34)	413	1,7	9 Chronic lower respiratory diseases (J40-J47)	184	1,5	9 Inflammatory diseases of the central nervous system (G00-G09)	211	1,6
10 Chronic lower respiratory diseases (J40-J47)	387	1,6	10 Other viral diseases (B25-B34)	180	1,5	10 Chronic lower respiratory diseases (J40-J47)	203	1,6
... Other causes	10 034	40,2	... Other causes	5 335	44,1	... Other causes	4 686	36,5
... All causes	24 941	100,0	... All causes	12 086	100,0	... All causes	12 855	100,0
North West, both sexes, 50-64 years		North West, male, 50-64 years		North West, female, 50-64 years				
1 Tuberculosis (A15-A19)	861	10,7	1 Tuberculosis (A15-A19)	601	12,6	1 Cerebrovascular diseases (I60-I69)	278	8,6
2 Influenza and pneumonia (J10-J18)	653	8,1	2 Influenza and pneumonia (J10-J18)	388	8,1	2 Other forms of heart disease (I30-I52)	275	8,5
3 Other forms of heart disease (I30-I52)	627	7,8	3 Other forms of heart disease (I30-I52)	352	7,4	3 Influenza and pneumonia (J10-J18)	265	8,2
4 Cerebrovascular diseases (I60-I69)	602	7,5	4 Cerebrovascular diseases (I60-I69)	324	6,8	4 Tuberculosis (A15-A19)	260	8,0
5 Hypertensive diseases (I10-I15)	381	4,8	5 Chronic lower respiratory diseases (J40-J47)	274	5,7	5 Hypertensive diseases (I10-I15)	211	6,5
6 Chronic lower respiratory diseases (J40-J47)	378	4,7	6 Malignant neoplasms of digestive organs (C15-C26)	172	3,6	6 Diabetes mellitus (E10-E14)	185	5,7
7 Diabetes mellitus (E10-E14)	341	4,3	7 Hypertensive diseases (I10-I15)	170	3,6	7 Intestinal infectious diseases (A00-A09)	160	4,9
8 Intestinal infectious diseases (A00-A09)	300	3,7	8 Diabetes mellitus (E10-E14)	156	3,3	8 Malignant neoplasms of female genital organs (C51-C58)	106	3,3
9 Malignant neoplasms of digestive organs (C15-C26)	248	3,1	9 Intestinal infectious diseases (A00-A09)	140	2,9	9 Chronic lower respiratory diseases (J40-J47)	104	3,2
10 Certain disorders involving the immune mechanism (D80-D89)	203	2,5	10 Ischaemic heart diseases (I20-I25)	126	2,6	10 Certain disorders involving the immune mechanism (D80-D89)	87	2,7
... Other causes	3 422	42,7	... Other causes	2 078	43,5	... Other causes	1 304	40,3
... All causes	8 016	100,0	... All causes	4 781	100,0	... All causes	3 235	100,0
North West, both sexes, 65 years and above		North West, male, 65 years and above		North West, female, 65 years and above				
1 Other forms of heart disease (I30-I52)	1 324	13,0	1 Other forms of heart disease (I30-I52)	574	11,8	1 Other forms of heart disease (I30-I52)	750	14,2
2 Cerebrovascular diseases (I60-I69)	1 239	12,2	2 Cerebrovascular diseases (I60-I69)	524	10,8	2 Cerebrovascular diseases (I60-I69)	715	13,5
3 Hypertensive diseases (I10-I15)	890	8,8	3 Influenza and pneumonia (J10-J18)	347	7,1	3 Hypertensive diseases (I10-I15)	567	10,7
4 Influenza and pneumonia (J10-J18)	587	5,8	4 Chronic lower respiratory diseases (J40-J47)	336	6,9	4 Diabetes mellitus (E10-E14)	353	6,7
5 Diabetes mellitus (E10-E14)	547	5,4	5 Hypertensive diseases (I10-I15)	323	6,6	5 Influenza and pneumonia (J10-J18)	240	4,5
6 Chronic lower respiratory diseases (J40-J47)	518	5,1	6 Diabetes mellitus (E10-E14)	194	4,0	6 Chronic lower respiratory diseases (J40-J47)	182	3,4
7 Ischaemic heart diseases (I20-I25)	335	3,3	7 Malignant neoplasms of digestive organs (C15-C26)	183	3,7	7 Ischaemic heart diseases (I20-I25)	164	3,1
8 Malignant neoplasms of digestive organs (C15-C26)	320	3,2	8 Tuberculosis (A15-A19)	179	3,7	8 Malignant neoplasms of digestive organs (C15-C26)	137	2,6
9 Tuberculosis (A15-A19)	238	2,3	9 Ischaemic heart diseases (I20-I25)	171	3,5	9 Intestinal infectious diseases (A00-A09)	122	2,3
10 Intestinal infectious diseases (A00-A09)	219	2,2	10 Malignant neoplasms of male genital organs (C60-C63)	134	2,8	10 Malignant neoplasms of female genital organs (C51-C58)	106	2,0
... Other causes	3 941	38,8	... Other causes	1 905	39,1	... Other causes	1 952	36,9
... All causes	10 158	100,0	... All causes	4 870	100,0	... All causes	5 288	100,0

Excluding a total of 397 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Gauteng, 2004

Gauteng, both sexes, all ages		Gauteng, male, all ages		Gauteng, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	10 310	9.8	1 Tuberculosis (A15-A19)	5 813	10.6	1 Tuberculosis (A15-A19)	4 497	9.0
2 Influenza and pneumonia (J10-J18)	8 525	8.1	2 Influenza and pneumonia (J10-J18)	4 139	7.5	2 Influenza and pneumonia (J10-J18)	4 386	8.8
3 Other forms of heart disease (I30-I52)	4 488	4.3	3 Other forms of heart disease (I30-I52)	1 988	3.6	3 Other forms of heart disease (I30-I52)	2 500	5.0
4 Cerebrovascular diseases (I60-I69)	4 184	4.0	4 Cerebrovascular diseases (I60-I69)	1 877	3.4	4 Cerebrovascular diseases (I60-I69)	2 307	4.6
5 Intestinal infectious diseases (A00-A09)	3 871	3.7	5 Intestinal infectious diseases (A00-A09)	1 803	3.3	5 Intestinal infectious diseases (A00-A09)	2 068	4.1
6 Ischaemic heart diseases (I20-I25)	3 059	2.9	6 Ischaemic heart diseases (I20-I25)	1 798	3.3	6 Diabetes mellitus (E10-E14)	1 721	3.4
7 Diabetes mellitus (E10-E14)	2 973	2.8	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 435	2.6	7 Certain disorders involving the immune mechanism (D80-D89)	1 570	3.1
8 Certain disorders involving the immune mechanism (D80-D89)	2 944	2.8	8 Certain disorders involving the immune mechanism (D80-D89)	1 374	2.5	8 Other viral diseases (B25-B34)	1 447	2.9
9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 772	2.6	9 Human immunodeficiency virus [HIV] disease (B20-B24)	1 336	2.4	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 337	2.7
10 Other viral diseases (B25-B34)	2 562	2.4	10 Chronic lower respiratory diseases (J40-J47)	1 304	2.4	10 Ischaemic heart diseases (I20-I25)	1 261	2.5
... Other causes	59 238	56.5	... Other causes	32 114	58.4	... Other causes	26 851	53.8
... All causes	104 926	100.0	... All causes	54 981	100.0	... All causes	49 945	100.0
Gauteng, both sexes, 0-14 years		Gauteng, male, 0-14 years		Gauteng, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	2 772	20.8	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 435	20.3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 337	21.2
2 Other disorders originating in the perinatal period (P90-P96)	1 621	12.1	2 Digestive system disorders of foetus and newborn (P75-P78)	858	12.2	2 Other disorders originating in the perinatal period (P90-P96)	780	12.4
3 Digestive system disorders of foetus and newborn (P75-P78)	1 574	11.8	3 Other disorders originating in the perinatal period (P90-P96)	841	11.9	3 Digestive system disorders of foetus and newborn (P75-P78)	716	11.4
4 Intestinal infectious diseases (A00-A09)	575	4.3	4 Intestinal infectious diseases (A00-A09)	307	4.4	4 Intestinal infectious diseases (A00-A09)	268	4.3
5 Influenza and pneumonia (J10-J18)	532	4.0	5 Infections specific to the perinatal period (P35-P39)	280	4.0	5 Influenza and pneumonia (J10-J18)	268	4.3
6 Infections specific to the perinatal period (P35-P39)	523	3.9	6 Influenza and pneumonia (J10-J18)	264	3.7	6 Infections specific to the perinatal period (P35-P39)	243	3.9
7 Other viral diseases (B25-B34)	403	3.0	7 Other viral diseases (B25-B34)	219	3.1	7 Certain disorders involving the immune mechanism (D80-D89)	203	3.2
8 Certain disorders involving the immune mechanism (D80-D89)	388	2.9	8 Certain disorders involving the immune mechanism (D80-D89)	185	2.6	8 Other viral diseases (B25-B34)	184	2.9
9 Tuberculosis (A15-A19)	289	2.2	9 Tuberculosis (A15-A19)	156	2.2	9 Protozoal diseases (B50-B64)	137	2.2
10 Protozoal diseases (B50-B64)	249	1.9	10 Disorders related to the length of gestation and foetal growth (P05-P08)	120	1.7	10 Tuberculosis (A15-A19)	133	2.1
... Other causes	4 420	33.1	... Other causes	2 388	33.9	... Other causes	2 024	32.2
... All causes	13 346	100.0	... All causes	7 053	100.0	... All causes	6 293	100.0
Gauteng, both sexes, 15-49 years		Gauteng, male, 15-49 years		Gauteng, female, 15-49 years				
1 Tuberculosis (A15-A19)	8 178	16.1	1 Tuberculosis (A15-A19)	4 419	16.1	1 Tuberculosis (A15-A19)	3 759	16.0
2 Influenza and pneumonia (J10-J18)	5 674	11.1	2 Influenza and pneumonia (J10-J18)	2 634	9.6	2 Influenza and pneumonia (J10-J18)	3 040	12.9
3 Intestinal infectious diseases (A00-A09)	2 492	4.9	3 Intestinal infectious diseases (A00-A09)	1 113	4.1	3 Intestinal infectious diseases (A00-A09)	1 379	5.9
4 Certain disorders involving the immune mechanism (D80-D89)	2 223	4.4	4 Human immunodeficiency virus [HIV] disease (B20-B24)	1 082	3.9	4 Certain disorders involving the immune mechanism (D80-D89)	1 217	5.2
5 Human immunodeficiency virus [HIV] disease (B20-B24)	2 069	4.1	5 Certain disorders involving the immune mechanism (D80-D89)	1 006	3.7	5 Other viral diseases (B25-B34)	1 130	4.8
6 Other viral diseases (B25-B34)	1 929	3.8	6 Other viral diseases (B25-B34)	799	2.9	6 Human immunodeficiency virus [HIV] disease (B20-B24)	987	4.2
7 Other forms of heart disease (I30-I52)	1 273	2.5	7 Other forms of heart disease (I30-I52)	596	2.2	7 Other forms of heart disease (I30-I52)	677	2.9
8 Inflammatory diseases of the central nervous system (G00-G09)	1 076	2.1	8 Inflammatory diseases of the central nervous system (G00-G09)	519	1.9	8 Inflammatory diseases of the central nervous system (G00-G09)	557	2.4
9 Cerebrovascular diseases (I60-I69)	857	1.7	9 Cerebrovascular diseases (I60-I69)	420	1.5	9 Cerebrovascular diseases (I60-I69)	437	1.9
10 Protozoal diseases (B50-B64)	560	1.1	10 Ischaemic heart diseases (I20-I25)	322	1.2	10 Protozoal diseases (B50-B64)	306	1.3
... Other causes	24 613	48.3	... Other causes	14 555	53.0	... Other causes	9 990	42.5
... All causes	50 944	100.0	... All causes	27 465	100.0	... All causes	23 479	100.0
Gauteng, both sexes, 50-64 years		Gauteng, male, 50-64 years		Gauteng, female, 50-64 years				
1 Tuberculosis (A15-A19)	1 480	8.4	1 Tuberculosis (A15-A19)	1 014	9.9	1 Cerebrovascular diseases (I60-I69)	520	7.1
2 Influenza and pneumonia (J10-J18)	1 152	6.6	2 Influenza and pneumonia (J10-J18)	696	6.8	2 Other forms of heart disease (I30-I52)	477	6.5
3 Cerebrovascular diseases (I60-I69)	1 144	6.5	3 Cerebrovascular diseases (I60-I69)	624	6.1	3 Diabetes mellitus (E10-E14)	489	6.4
4 Other forms of heart disease (I30-I52)	999	5.7	4 Ischaemic heart diseases (I20-I25)	563	5.5	4 Tuberculosis (A15-A19)	466	6.3
5 Diabetes mellitus (E10-E14)	884	5.0	5 Other forms of heart disease (I30-I52)	522	5.1	5 Influenza and pneumonia (J10-J18)	456	6.2
6 Ischaemic heart diseases (I20-I25)	812	4.6	6 Chronic lower respiratory diseases (J40-J47)	417	4.1	6 Hypertensive diseases (I10-I15)	280	3.8
7 Chronic lower respiratory diseases (J40-J47)	652	3.7	7 Diabetes mellitus (E10-E14)	415	4.1	7 Ischaemic heart diseases (I20-I25)	249	3.4
8 Malignant neoplasms of digestive organs (C15-C26)	597	3.4	8 Malignant neoplasms of digestive organs (C15-C26)	384	3.8	8 Malignant neoplasms of female genital organs (C51-C58)	242	3.3
9 Hypertensive diseases (I10-I15)	529	3.0	9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	311	3.0	9 Intestinal infectious diseases (A00-A09)	241	3.3
10 Intestinal infectious diseases (A00-A09)	456	2.6	10 Hypertensive diseases (I10-I15)	249	2.4	10 Chronic lower respiratory diseases (J40-J47)	235	3.2
... Other causes	8 845	50.4	... Other causes	5 011	49.1	... Other causes	3 709	50.5
... All causes	17 550	100.0	... All causes	10 206	100.0	... All causes	7 344	100.0
Gauteng, both sexes, 65 years and above		Gauteng, male, 65 years and above		Gauteng, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	2 170	9.4	1 Ischaemic heart diseases (I20-I25)	904	8.8	1 Cerebrovascular diseases (I60-I69)	1 344	10.5
2 Other forms of heart disease (I30-I52)	2 143	9.3	2 Other forms of heart disease (I30-I52)	829	8.1	2 Other forms of heart disease (I30-I52)	1 314	10.2
3 Ischaemic heart diseases (I20-I25)	1 755	7.6	3 Cerebrovascular diseases (I60-I69)	826	8.1	3 Diabetes mellitus (E10-E14)	973	7.6
4 Diabetes mellitus (E10-E14)	1 537	6.7	4 Chronic lower respiratory diseases (J40-J47)	628	6.1	4 Ischaemic heart diseases (I20-I25)	851	6.6
5 Influenza and pneumonia (J10-J18)	1 167	5.1	5 Diabetes mellitus (E10-E14)	564	5.5	5 Hypertensive diseases (I10-I15)	737	5.7
6 Chronic lower respiratory diseases (J40-J47)	1 128	4.9	6 Influenza and pneumonia (J10-J18)	545	5.3	6 Influenza and pneumonia (J10-J18)	622	4.8
7 Hypertensive diseases (I10-I15)	1 075	4.7	7 Malignant neoplasms of digestive organs (C15-C26)	483	4.7	7 Chronic lower respiratory diseases (J40-J47)	500	3.9
8 Malignant neoplasms of digestive organs (C15-C26)	905	3.9	8 Malignant neoplasms of male genital organs (C60-C63)	349	3.4	8 Malignant neoplasms of digestive organs (C15-C26)	422	3.3
9 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	487	2.1	9 Hypertensive diseases (I10-I15)	338	3.3	9 Malignant neoplasms of female genital organs (C51-C58)	261	2.0
10 Renal failure (N17-N19)	438	1.9	10 Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	322	3.1	10 Renal failure (N17-N19)	231	1.8
... Other causes	10 281	44.5	... Other causes	4 469	43.6	... Other causes	5 574	43.4
... All causes	23 086	100.0	... All causes	10 257	100.0	... All causes	12 829	100.0

Excluding a total of 861 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Mpumalanga, 2004

Mpumalanga, both sexes, all ages		Mpumalanga, male, all ages		Mpumalanga, female, all ages				
No.	%	No.	%	No.	%			
1 Tuberculosis (A15-A19)	5 270	12.5	1 Tuberculosis (A15-A19)	2 818	13.4	1 Tuberculosis (A15-A19)	2 452	11.7
2 Influenza and pneumonia (J10-J18)	4 371	10.4	2 Influenza and pneumonia (J10-J18)	2 063	9.8	2 Influenza and pneumonia (J10-J18)	2 308	11.0
3 Intestinal infectious diseases (A00-A09)	2 572	6.1	3 Intestinal infectious diseases (A00-A09)	1 045	5.0	3 Intestinal infectious diseases (A00-A09)	1 527	7.3
4 Cerebrovascular diseases (I60-I69)	1 928	4.6	4 Cerebrovascular diseases (I60-I69)	822	3.9	4 Cerebrovascular diseases (I60-I69)	1 106	5.3
5 Certain disorders involving the immune mechanism (D80-D89)	1 769	4.2	5 Other forms of heart disease (I30-I52)	803	3.8	5 Certain disorders involving the immune mechanism (D80-D89)	1 000	4.8
6 Other forms of heart disease (I30-I52)	1 704	4.0	6 Certain disorders involving the immune mechanism (D80-D89)	769	3.6	6 Other forms of heart disease (I30-I52)	901	4.3
7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 225	2.9	7 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	600	2.8	7 Hypertensive diseases (I10-I15)	667	3.2
8 Diabetes mellitus (E10-E14)	1 111	2.6	8 Chronic lower respiratory diseases (J40-J47)	569	2.7	8 Diabetes mellitus (E10-E14)	639	3.0
9 Hypertensive diseases (I10-I15)	1 092	2.6	9 Diabetes mellitus (E10-E14)	472	2.2	9 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	625	3.0
10 Chronic lower respiratory diseases (J40-J47)	946	2.2	10 Digestive system disorders of foetus and newborn (P75-P78)	459	2.2	10 Human immunodeficiency virus [HIV] disease (B20-B24)	480	2.3
... Other causes	20 131	47.8	... Other causes	10 688	50.6	... Other causes	9 306	44.3
... All causes	42 119	100.0	... All causes	21 108	100.0	... All causes	21 011	100.0
Mpumalanga, both sexes, 0-14 years		Mpumalanga, male, 0-14 years		Mpumalanga, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	1 225	22.7	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	600	21.5	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	625	24.0
2 Digestive system disorders of foetus and newborn (P75-P78)	852	15.8	2 Digestive system disorders of foetus and newborn (P75-P78)	459	16.4	2 Digestive system disorders of foetus and newborn (P75-P78)	393	15.1
3 Intestinal infectious diseases (A00-A09)	438	8.1	3 Intestinal infectious diseases (A00-A09)	222	8.0	3 Intestinal infectious diseases (A00-A09)	216	8.3
4 Influenza and pneumonia (J10-J18)	309	5.7	4 Influenza and pneumonia (J10-J18)	170	6.1	4 Influenza and pneumonia (J10-J18)	139	5.3
5 Other disorders originating in the perinatal period (P90-P96)	232	4.3	5 Other disorders originating in the perinatal period (P90-P96)	111	4.0	5 Other disorders originating in the perinatal period (P90-P96)	121	4.6
6 Malnutrition (E40-E46)	186	3.4	6 Malnutrition (E40-E46)	95	3.4	6 Certain disorders involving the immune mechanism (D80-D89)	92	3.5
7 Certain disorders involving the immune mechanism (D80-D89)	177	3.3	7 Certain disorders involving the immune mechanism (D80-D89)	85	3.0	7 Malnutrition (E40-E46)	91	3.5
8 Disorders related to the length of gestation and foetal growth (P05-P08)	154	2.9	8 Disorders related to the length of gestation and foetal growth (P05-P08)	83	3.0	8 Disorders related to the length of gestation and foetal growth (P05-P08)	71	2.7
9 Infections specific to the perinatal period (P35-P39)	121	2.2	9 Infections specific to the perinatal period (P35-P39)	66	2.4	9 Infections specific to the perinatal period (P35-P39)	55	2.1
10 Tuberculosis (A15-A19)	114	2.1	10 Tuberculosis (A15-A19)	61	2.2	10 Tuberculosis (A15-A19)	53	2.0
... Other causes	1 591	29.5	... Other causes	840	30.1	... Other causes	751	28.8
... All causes	5 399	100.0	... All causes	2 792	100.0	... All causes	2 607	100.0
Mpumalanga, both sexes, 15-49 years		Mpumalanga, male, 15-49 years		Mpumalanga, female, 15-49 years				
1 Tuberculosis (A15-A19)	4 172	18.8	1 Tuberculosis (A15-A19)	2 071	19.2	1 Tuberculosis (A15-A19)	2 101	18.4
2 Influenza and pneumonia (J10-J18)	2 988	13.5	2 Influenza and pneumonia (J10-J18)	1 283	11.9	2 Influenza and pneumonia (J10-J18)	1 705	14.9
3 Intestinal infectious diseases (A00-A09)	1 534	6.9	3 Certain disorders involving the immune mechanism (D80-D89)	583	5.4	3 Intestinal infectious diseases (A00-A09)	976	8.5
4 Certain disorders involving the immune mechanism (D80-D89)	1 410	6.3	4 Intestinal infectious diseases (A00-A09)	558	5.2	4 Certain disorders involving the immune mechanism (D80-D89)	827	7.2
5 Human immunodeficiency virus [HIV] disease (B20-B24)	730	3.3	5 Human immunodeficiency virus [HIV] disease (B20-B24)	337	3.1	5 Human immunodeficiency virus [HIV] disease (B20-B24)	393	3.4
6 Other respiratory diseases principally affecting the interstitium (J80-J84)	579	2.6	6 Other viral diseases (B25-B34)	251	2.3	6 Other respiratory diseases principally affecting the interstitium (J80-J84)	344	3.0
7 Noninfective enteritis and colitis (K50-K52)	557	2.5	7 Other respiratory diseases principally affecting the interstitium (J80-J84)	235	2.2	7 Noninfective enteritis and colitis (K50-K52)	335	2.9
8 Other viral diseases (B25-B34)	519	2.3	8 Other forms of heart disease (I30-I52)	225	2.1	8 Other viral diseases (B25-B34)	268	2.3
9 Other forms of heart disease (I30-I52)	434	2.0	9 Noninfective enteritis and colitis (K50-K52)	222	2.1	9 Inflammatory diseases of the central nervous system (G00-G09)	236	2.1
10 Inflammatory diseases of the central nervous system (G00-G09)	427	1.9	10 Inflammatory diseases of the central nervous system (G00-G09)	191	1.8	10 Cerebrovascular diseases (I60-I69)	212	1.9
... Other causes	8 865	39.9	... Other causes	4 834	44.8	... Other causes	4 028	35.3
... All causes	22 215	100.0	... All causes	10 790	100.0	... All causes	11 425	100.0
Mpumalanga, both sexes, 50-64 years		Mpumalanga, male, 50-64 years		Mpumalanga, female, 50-64 years				
1 Tuberculosis (A15-A19)	742	11.3	1 Tuberculosis (A15-A19)	523	13.7	1 Cerebrovascular diseases (I60-I69)	246	9.0
2 Influenza and pneumonia (J10-J18)	552	8.4	2 Influenza and pneumonia (J10-J18)	325	8.5	2 Influenza and pneumonia (J10-J18)	227	8.3
3 Cerebrovascular diseases (I60-I69)	512	7.8	3 Cerebrovascular diseases (I60-I69)	266	7.0	3 Tuberculosis (A15-A19)	219	8.0
4 Other forms of heart disease (I30-I52)	367	5.6	4 Other forms of heart disease (I30-I52)	213	5.6	4 Diabetes mellitus (E10-E14)	184	6.7
5 Diabetes mellitus (E10-E14)	343	5.2	5 Chronic lower respiratory diseases (J40-J47)	190	5.0	5 Hypertensive diseases (I10-I15)	165	6.0
6 Intestinal infectious diseases (A00-A09)	313	4.8	6 Diabetes mellitus (E10-E14)	159	4.2	6 Intestinal infectious diseases (A00-A09)	159	5.8
7 Hypertensive diseases (I10-I15)	291	4.4	7 Intestinal infectious diseases (A00-A09)	154	4.0	7 Other forms of heart disease (I30-I52)	154	5.6
8 Chronic lower respiratory diseases (J40-J47)	289	4.4	8 Hypertensive diseases (I10-I15)	126	3.3	8 Chronic lower respiratory diseases (J40-J47)	99	3.6
9 Ischaemic heart diseases (I20-I25)	185	2.8	9 Ischaemic heart diseases (I20-I25)	123	3.2	9 Malignant neoplasms of female genital organs (C51-C58)	91	3.3
10 Malignant neoplasms of digestive organs (C15-C26)	180	2.7	10 Malignant neoplasms of digestive organs (C15-C26)	121	3.2	10 Certain disorders involving the immune mechanism (D80-D89)	67	2.5
... Other causes	2 781	42.4	... Other causes	1 624	42.5	... Other causes	1 120	41.0
... All causes	6 555	100.0	... All causes	3 824	100.0	... All causes	2 731	100.0
Mpumalanga, both sexes, 65 years and above		Mpumalanga, male, 65 years and above		Mpumalanga, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	1 004	12.6	1 Cerebrovascular diseases (I60-I69)	358	9.7	1 Cerebrovascular diseases (I60-I69)	646	15.2
2 Other forms of heart disease (I30-I52)	877	11.0	2 Other forms of heart disease (I30-I52)	353	9.5	2 Other forms of heart disease (I30-I52)	524	12.3
3 Hypertensive diseases (I10-I15)	641	8.1	3 Influenza and pneumonia (J10-J18)	285	7.7	3 Hypertensive diseases (I10-I15)	408	9.6
4 Diabetes mellitus (E10-E14)	532	6.7	4 Chronic lower respiratory diseases (J40-J47)	242	6.5	4 Diabetes mellitus (E10-E14)	333	7.8
5 Influenza and pneumonia (J10-J18)	522	6.6	5 Hypertensive diseases (I10-I15)	233	6.3	5 Influenza and pneumonia (J10-J18)	237	5.6
6 Chronic lower respiratory diseases (J40-J47)	374	4.7	6 Diabetes mellitus (E10-E14)	199	5.4	6 Intestinal infectious diseases (A00-A09)	176	4.1
7 Intestinal infectious diseases (A00-A09)	287	3.6	7 Ischaemic heart diseases (I20-I25)	165	4.5	7 Chronic lower respiratory diseases (J40-J47)	132	3.1
8 Ischaemic heart diseases (I20-I25)	281	3.5	8 Tuberculosis (A15-A19)	163	4.4	8 Ischaemic heart diseases (I20-I25)	116	2.7
9 Tuberculosis (A15-A19)	242	3.0	9 Malignant neoplasms of digestive organs (C15-C26)	112	3.0	9 Malignant neoplasms of digestive organs (C15-C26)	84	2.0
10 Malignant neoplasms of digestive organs (C15-C26)	196	2.5	10 Intestinal infectious diseases (A00-A09)	111	3.0	10 Tuberculosis (A15-A19)	79	1.9
... Other causes	2 994	37.7	... Other causes	1 481	40.0	... Other causes	1 513	35.6
... All causes	7 950	100.0	... All causes	3 702	100.0	... All causes	4 248	100.0

Excluding a total of 429 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix H: Deaths due to the 10 leading underlying causes by province, sex and age: Limpopo, 2004

Limpopo, both sexes, all ages		Limpopo, male, all ages		Limpopo, female, all ages				
No.	%	No.	%	No.	%			
1 Influenza and pneumonia (J10-J18)	5 372	11.6	1 Influenza and pneumonia (J10-J18)	2 481	10.7	1 Influenza and pneumonia (J10-J18)	2 891	12.5
2 Tuberculosis (A15-A19)	4 032	8.7	2 Tuberculosis (A15-A19)	2 262	9.8	2 Intestinal infectious diseases (A00-A09)	1 987	8.6
3 Intestinal infectious diseases (A00-A09)	3 438	7.4	3 Intestinal infectious diseases (A00-A09)	1 451	6.3	3 Tuberculosis (A15-A19)	1 770	7.6
4 Other forms of heart disease (I30-I52)	2 246	4.8	4 Other forms of heart disease (I30-I52)	1 067	4.6	4 Cerebrovascular diseases (I60-I69)	1 229	5.3
5 Cerebrovascular diseases (I60-I69)	2 110	4.6	5 Cerebrovascular diseases (I60-I69)	881	3.8	5 Other forms of heart disease (I30-I52)	1 179	5.1
6 Diabetes mellitus (E10-E14)	1 287	2.8	6 Chronic lower respiratory diseases (J40-J47)	610	2.6	6 Diabetes mellitus (E10-E14)	707	3.0
7 Certain disorders involving the immune mechanism (D80-D89)	1 183	2.6	7 Diabetes mellitus (E10-E14)	580	2.5	7 Certain disorders involving the immune mechanism (D80-D89)	658	2.8
8 Hypertensive diseases (I10-I15)	1 136	2.5	8 Hypertensive diseases (I10-I15)	527	2.3	8 Hypertensive diseases (I10-I15)	609	2.6
9 Chronic lower respiratory diseases (J40-J47)	996	2.1	9 Certain disorders involving the immune mechanism (D80-D89)	525	2.3	9 Noninfective enteritis and colitis (K50-K52)	474	2.0
10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	949	2.0	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	506	2.2	10 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	443	1.9
... Other causes	23 610	50.9	... Other causes	12 249	52.9	... Other causes	11 273	48.5
... All causes	46 359	100.0	... All causes	23 139	100.0	... All causes	23 220	100.0
Limpopo, both sexes, 0-14 years		Limpopo, male, 0-14 years		Limpopo, female, 0-14 years				
1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	949	18.0	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	506	18.3	1 Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	443	17.6
2 Digestive system disorders of foetus and newborn (P75-P78)	593	11.2	2 Digestive system disorders of foetus and newborn (P75-P78)	313	11.3	2 Intestinal infectious diseases (A00-A09)	286	11.3
3 Intestinal infectious diseases (A00-A09)	550	10.4	3 Intestinal infectious diseases (A00-A09)	264	9.6	3 Digestive system disorders of foetus and newborn (P75-P78)	280	11.1
4 Other disorders originating in the perinatal period (P90-P96)	356	6.7	4 Other disorders originating in the perinatal period (P90-P96)	188	6.8	4 Influenza and pneumonia (J10-J18)	177	7.0
5 Influenza and pneumonia (J10-J18)	346	6.5	5 Influenza and pneumonia (J10-J18)	169	6.1	5 Other disorders originating in the perinatal period (P90-P96)	168	6.7
6 Malnutrition (E40-E46)	213	4.0	6 Malnutrition (E40-E46)	119	4.3	6 Malnutrition (E40-E46)	94	3.7
7 Certain disorders involving the immune mechanism (D80-D89)	125	2.4	7 Tuberculosis (A15-A19)	62	2.2	7 Certain disorders involving the immune mechanism (D80-D89)	68	2.7
8 Tuberculosis (A15-A19)	121	2.3	8 Certain disorders involving the immune mechanism (D80-D89)	57	2.1	8 Tuberculosis (A15-A19)	59	2.3
9 Inflammatory diseases of the central nervous system (G00-G09)	99	1.9	9 Inflammatory diseases of the central nervous system (G00-G09)	57	2.1	9 Infections specific to the perinatal period (P35-P39)	49	1.9
10 Infections specific to the perinatal period (P35-P39)	95	1.8	10 Infections specific to the perinatal period (P35-P39)	46	1.7	10 Disorders related to the length of gestation and foetal growth (P05-P08)	44	1.7
... Other causes	1 836	34.8	... Other causes	979	35.5	... Other causes	855	33.9
... All causes	5 283	100.0	... All causes	2 760	100.0	... All causes	2 523	100.0
Limpopo, both sexes, 15-49 years		Limpopo, male, 15-49 years		Limpopo, female, 15-49 years				
1 Influenza and pneumonia (J10-J18)	3 430	16.3	1 Tuberculosis (A15-A19)	1 487	14.7	1 Influenza and pneumonia (J10-J18)	1 992	18.3
2 Tuberculosis (A15-A19)	2 945	14.0	2 Influenza and pneumonia (J10-J18)	1 438	14.2	2 Tuberculosis (A15-A19)	1 458	13.4
3 Intestinal infectious diseases (A00-A09)	2 083	9.9	3 Intestinal infectious diseases (A00-A09)	815	8.1	3 Intestinal infectious diseases (A00-A09)	1 268	11.6
4 Certain disorders involving the immune mechanism (D80-D89)	934	4.4	4 Certain disorders involving the immune mechanism (D80-D89)	391	3.9	4 Certain disorders involving the immune mechanism (D80-D89)	543	5.0
5 Noninfective enteritis and colitis (K50-K52)	550	2.6	5 Other forms of heart disease (I30-I52)	237	2.3	5 Noninfective enteritis and colitis (K50-K52)	368	3.4
6 Other forms of heart disease (I30-I52)	520	2.5	6 Inflammatory diseases of the central nervous system (G00-G09)	205	2.0	6 Other forms of heart disease (I30-I52)	283	2.6
7 Inflammatory diseases of the central nervous system (G00-G09)	411	2.0	7 Noninfective enteritis and colitis (K50-K52)	182	1.8	7 Inflammatory diseases of the central nervous system (G00-G09)	206	1.9
8 Protozoal diseases (B50-B64)	381	1.8	8 Protozoal diseases (B50-B64)	176	1.7	8 Protozoal diseases (B50-B64)	205	1.9
9 Chronic lower respiratory diseases (J40-J47)	296	1.4	9 Diseases of liver (K70-K77)	165	1.6	9 Hypertensive diseases (I10-I15)	157	1.4
10 Hypertensive diseases (I10-I15)	286	1.4	10 Chronic lower respiratory diseases (J40-J47)	155	1.5	10 Cerebrovascular diseases (I60-I69)	155	1.4
... Other causes	9 171	43.7	... Other causes	4 867	48.1	... Other causes	4 254	39.1
... All causes	21 007	100.0	... All causes	10 118	100.0	... All causes	10 889	100.0
Limpopo, both sexes, 50-64 years		Limpopo, male, 50-64 years		Limpopo, female, 50-64 years				
1 Influenza and pneumonia (J10-J18)	730	9.7	1 Tuberculosis (A15-A19)	493	10.5	1 Influenza and pneumonia (J10-J18)	271	9.5
2 Tuberculosis (A15-A19)	669	8.9	2 Influenza and pneumonia (J10-J18)	459	9.7	2 Diabetes mellitus (E10-E14)	208	7.3
3 Other forms of heart disease (I30-I52)	448	5.9	3 Other forms of heart disease (I30-I52)	262	5.6	3 Intestinal infectious diseases (A00-A09)	190	6.7
4 Cerebrovascular diseases (I60-I69)	436	5.8	4 Cerebrovascular diseases (I60-I69)	248	5.3	4 Cerebrovascular diseases (I60-I69)	188	6.6
5 Diabetes mellitus (E10-E14)	419	5.5	5 Intestinal infectious diseases (A00-A09)	214	4.5	5 Other forms of heart disease (I30-I52)	186	6.5
6 Intestinal infectious diseases (A00-A09)	404	5.3	6 Diabetes mellitus (E10-E14)	211	4.5	6 Tuberculosis (A15-A19)	176	6.2
7 Hypertensive diseases (I10-I15)	362	4.8	7 Hypertensive diseases (I10-I15)	200	4.2	7 Hypertensive diseases (I10-I15)	162	5.7
8 Chronic lower respiratory diseases (J40-J47)	287	3.8	8 Chronic lower respiratory diseases (J40-J47)	196	4.2	8 Malignant neoplasms of female genital organs (C51-C58)	112	3.9
9 Ischaemic heart diseases (I20-I25)	235	3.1	9 Ischaemic heart diseases (I20-I25)	153	3.2	9 Chronic lower respiratory diseases (J40-J47)	91	3.2
10 Malignant neoplasms of digestive organs (C15-C26)	184	2.4	10 Malignant neoplasms of digestive organs (C15-C26)	124	2.6	10 Ischaemic heart diseases (I20-I25)	82	2.9
... Other causes	3 379	44.7	... Other causes	2 153	45.7	... Other causes	1 174	41.3
... All causes	7 553	100.0	... All causes	4 713	100.0	... All causes	2 840	100.0
Limpopo, both sexes, 65 years and above		Limpopo, male, 65 years and above		Limpopo, female, 65 years and above				
1 Cerebrovascular diseases (I60-I69)	1 398	11.2	1 Other forms of heart disease (I30-I52)	553	10.0	1 Cerebrovascular diseases (I60-I69)	880	12.6
2 Other forms of heart disease (I30-I52)	1 242	9.9	2 Cerebrovascular diseases (I60-I69)	518	9.3	2 Other forms of heart disease (I30-I52)	689	9.9
3 Influenza and pneumonia (J10-J18)	866	6.9	3 Influenza and pneumonia (J10-J18)	415	7.5	3 Influenza and pneumonia (J10-J18)	451	6.5
4 Diabetes mellitus (E10-E14)	650	5.2	4 Diabetes mellitus (E10-E14)	253	4.6	4 Diabetes mellitus (E10-E14)	387	5.7
5 Hypertensive diseases (I10-I15)	488	3.9	5 Chronic lower respiratory diseases (J40-J47)	245	4.4	5 Hypertensive diseases (I10-I15)	290	4.2
6 Intestinal infectious diseases (A00-A09)	401	3.2	6 Tuberculosis (A15-A19)	220	4.0	6 Intestinal infectious diseases (A00-A09)	243	3.5
7 Chronic lower respiratory diseases (J40-J47)	388	3.1	7 Hypertensive diseases (I10-I15)	198	3.6	7 Ischaemic heart diseases (I20-I25)	176	2.5
8 Ischaemic heart diseases (I20-I25)	349	2.8	8 Ischaemic heart diseases (I20-I25)	173	3.1	8 Chronic lower respiratory diseases (J40-J47)	143	2.1
9 Tuberculosis (A15-A19)	297	2.4	9 Intestinal infectious diseases (A00-A09)	158	2.8	9 Malignant neoplasms of digestive organs (C15-C26)	134	1.9
10 Malignant neoplasms of digestive organs (C15-C26)	282	2.3	10 Malignant neoplasms of digestive organs (C15-C26)	148	2.7	10 Malignant neoplasms of female genital organs (C51-C58)	129	1.9
... Other causes	6 155	49.2	... Other causes	2 667	48.1	... Other causes	3 436	49.3
... All causes	12 516	100.0	... All causes	5 548	100.0	... All causes	6 968	100.0

Excluding a total of 159 cases with unknown sex and unknown age; known sex and unknown age; and known age and unknown sex.

Appendix I: Population group differences

Readers are reminded to take the population group breakdowns with caution, as they may not be very accurate as large proportions of death notification forms did not specify population group (see Table 3.2 and Appendix I.1)

Appendix I.1 shows a list of the ten leading underlying natural causes of death for the various population groups in 2003 and 2004. The table also provides causes of death for deaths in which population group was not specified, a group that consists of cases where population group was reported as unknown, unspecified and 'other'.

In 2003, the first leading underlying natural cause of death was *tuberculosis* for African and coloured people; *chronic lower respiratory diseases* among Indians/Asians; and *ischaemic heart diseases* among white people. Five of the ten leading causes of death in 2003, that is, *chronic lower respiratory diseases, influenza and pneumonia, other forms of heart disease, diabetes mellitus* and *cerebrovascular diseases* – were common across all four population groups, although they had different ranks and number of associated deaths.

In 2004, the first leading cause of death was *tuberculosis* for African and coloured people; *diabetes mellitus* among Indians/Asians and *ischaemic heart diseases* among white people. Four of the ten leading causes of death in 2004 that is, *other forms of heart diseases, diabetes mellitus, chronic lower respiratory diseases* and *cerebrovascular diseases* – were common across all four population groups, although they had different ranks and number of associated deaths.

The causes of death for 2003 and 2004 were similar although in 2004, *malignant neoplasms of ill-defined, secondary and unspecified sites* was not among the ten leading underlying natural causes of death for any population group; while although *malignant neoplasms of lymphoid, haematopoietic and related tissues* was not in the top ten in 2003, it was in 2004 and exclusive to white people.

In 2003 and 2004, *neoplasms* were not in the top ten for Africans, while various types of malignant neoplasms were in the top ten for other population groups.

Appendix I.1: Ten leading underlying natural causes of death within population group: 2003 and 2004

Broad group of causes of death	African			Coloured			Indian			White			Unspecified		
	Rank	No.	%	Rank	No.	%	Rank	No.	%	Rank	No.	%	Rank	No.	%
2003															
Tuberculosis (A15-A19)	1	48 803	14,2	1	2 246	9,0	9	166	2,3	...	...	...	1	16 113	11,6
Influenza and pneumonia (J10-J18)	2	33 087	9,6	9	698	2,8	8	174	2,4	6	1 539	4,2	2	9 853	7,1
Intestinal infectious diseases (A00-A09)	3	18 322	5,3	...	...	...	...	...	...	...	...	...	4	5 441	3,9
Cerebrovascular diseases (I60-I69)	4	16 722	4,8	2	1 737	7,0	4	468	6,4	2	2 589	7,1	3	5 929	4,3
Other forms of heart disease (I30-I52)	5	14 600	4,2	6	1 062	4,3	3	530	7,2	3	2 407	6,6	5	5 397	3,9
Certain disorders involving the immune mechanism (D80-D89)	6	11 129	3,2	...	...	...	...	...	...	...	...	...	8	3 546	2,5
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	7	9 016	2,6	...	...	...	...	...	...	...	...	...	9	3 156	2,3
Chronic lower respiratory diseases (J40-J47)	8	8 820	2,6	5	1 368	5,5	5	272	3,7	4	2 085	5,7	7	3 585	2,6
Diabetes mellitus (E10-E14)	9	8 807	2,6	3	1 480	5,9	1	1 160	15,8	7	1 519	4,2	6	3 795	2,7
Human immunodeficiency virus [HIV] disease (B20-B24)	10	8 104	2,3	...	...	...	...	...	...	...	...	...	10	2 853	2,0
Ischaemic heart diseases (I20-I25)	...	...	...	4	1 405	5,6	2	1 075	14,7	1	4 833	13,3	...	...	...
Malignant neoplasms of digestive organs (C15-C26)	...	...	...	7	827	3,3	7	201	2,7	5	1 722	4,7	...	...	...
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	...	...	...	8	803	3,2	...	...	...	8	1 177	3,2	...	...	...
Hypertensive diseases (I10-I15)	...	...	...	10	652	2,6	6	230	3,1	...	...	...	...	...	...
Renal failure (N17-N19)	...	...	...	...	...	...	10	165	2,2	10	750	2,1	...	...	...
Malignant neoplasms of ill-defined, secondary and unspecified sites (C76-C80)	...	...	...	...	...	...	...	...	...	9	787	2,2	...	...	...
Other causes		167 485	48,6		12 706	50,9		2 893	39,4		17 011	46,7		79 525	57,1
All causes		344 895	100		24 984	100		7 334	100		36 419	100		139 193	100
2004															
Tuberculosis (A15-A19)	1	50 912	14,3	1	2 191	9,0	9	162	2,3	...	...	...	1	16 173	11,2
Influenza and pneumonia (J10-J18)	2	33 118	9,3	10	650	2,7	...	...	...	7	1 364	3,9	2	10 126	7,0
Intestinal infectious diseases (A00-A09)	3	20 116	5,6	...	...	...	...	...	...	...	...	...	3	5 868	4,1
Cerebrovascular diseases (I60-I69)	4	15 131	4,2	2	1 476	6,0	4	410	5,8	2	2 364	6,7	4	5 625	3,9
Other forms of heart disease (I30-I52)	5	14 554	4,1	6	922	3,8	3	542	7,6	3	2 319	6,6	5	5 416	3,7
Certain disorders of immune mechanism (D80-D89)	6	11 807	3,3	...	...	...	...	...	...	...	...	...	7	3 719	2,6
Human immunodeficiency virus [HIV] disease (B20-B24)	7	9 480	2,7	...	...	...	...	...	...	...	...	...	10	3 107	2,2
Resp. & cardiovascular disorders-perinatal period (P20-P29)	8	9 411	2,6	...	...	...	...	...	...	...	...	...	9	3 288	2,3
Diabetes mellitus (E10-E14)	9	9 058	2,5	3	1 432	5,9	1	1 060	14,9	6	1 452	4,1	6	3 906	2,7
Chronic lower respiratory diseases (J40-J47)	10	8 353	2,3	5	1 338	5,5	5	263	3,7	4	1 890	5,4	8	3 489	2,4
Ischaemic heart diseases (I20-I25)	...	...	...	4	1 355	5,5	2	1 051	14,8	1	4 493	12,8	...	...	...
Malignant neoplasms of respiratory & intrathoracic organs (C30-C39)	...	...	...	7	914	3,7	10	135	1,9	8	1 251	3,6	...	...	...
Malignant neoplasms of digestive organs (C15-C26)	...	...	...	8	862	3,5	7	207	2,9	5	1 820	5,2	...	...	...
Hypertensive diseases (I10-I15)	...	...	...	9	682	2,8	6	254	3,6	9	759	2,2	...	...	...
Renal failures (N17-N19)	...	...	...	...	...	...	8	167	2,3	...	...	...	...	...	...
Malignant neoplasms of lymphoid, haematopoietic & related tissues (C81-C96)	...	...	...	...	...	...	...	...	...	10	694	2,0	...	...	...
Other causes		174 314	48,9		12 639	51,7		2 861	40,2		16 761	47,7		83 777	58,0
All causes		356 254	100		24 461	100		7 112	100		35 167	100		144 494	100

... Category not in top 10