

Botswana
Causes Of Mortality
2018
Stats Brief

Private Bag 0024, Gaborone
Tel: 3671300 **Fax:** 3952201
Toll Free: 0800 600 200

Private Bag F193,
City of Francistown Botswana
Tel. 241 5848, **Fax.** 241 7540

Private Bag 32
Ghanzi
Tel: 371 5723 **Fax:** 659 7506

Private Bag 47
Maun
Tel: 371 5716 **Fax:** 686 4327

E-mail: info@statsbots.org.bw **Website:** <http://www.statsbots.org.bw>



STATISTICS BOTSWANA

Preface

This publication provides information on the underlying causes of deaths that occurred in all health facilities of Botswana in 2018. The report present statistics on deaths by socio-demographic, geographic characteristics and trends in mortality over the years (2006–2018). Furthermore, the report presents other mortality indicators outlined in previous surveys and from civil registration.

Statistics Botswana Health Statistics Unit (HSU) is attached to provide statistical support to the Ministry of Health & wellness as an enabler of better national/public health programmes through the collection and dissemination of quality official statistics for evidence-based decision-making, programme monitoring and evaluation. The Unit produces Statistical Briefs on health related issues including, infant, children under five (5) and mortality by sex and mortality trends.

For more information, contact the Directorate of Stakeholder Relations at 3671300. All Statistics Botswana outputs/publications are available on the website at www.statsbots@org.bw and at the Statistics Botswana Information Resource Centre (Head-Office, Gaborone).

We sincerely thank all stakeholders involved in the formulation of this brief, for their continued support, as we strive to better serve users of our statistical products and services.



Dr. Burton Mguni
Statistician General
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Table of Contents

Preface.....	i
Table of Contents.....	ii
List of Tables.....	iii
List of Figures.....	iii
1.0 Introduction.....	1
2.0 Summary of Key Selected Mortality Indicators.....	1
2.1 Selected Key Mortality Indicators.....	1
2.2 Deaths Registration (Civil and National Registration).....	2
3.0 Health Institutional Death Registration.....	3
3.1 Demographic Distribution.....	3
3.2 Trends In Number of Deaths Reported from HealthFacilities.....	4
3.3 Top 10 Causes of Deaths.....	4
3.4 Causes of Death by Broad Groups, Global Burden and Age Groups.....	5
3.4.1 Causes of Death by Broad groups.....	5
3.4.2 Causes of Death by Global Burden.....	6
3.4.3 Major Causes of Death by Broad Age Groups.....	7
3.5 Neonatal Mortality	9
3.6 Infant and Under 5 Mortality.....	10
3.7 Maternal Mortality.....	11
Appendices.....	12
Appendix 1: Causes Of Maternal Mortality By Age Groups ,2018.....	13
Appendix 2: The Ten Leading Underlying Natural Causes Of Death By Broad Age Groups, 2018.....	14
Appendix 3: Cause Of Death By Icd 10 Three-Character Categories List, Sex And Age Group, 2018.....	16
Appendix 4: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018.....	22

List of Tables

Table 2.1 1: Selected Mortality Indicators 1971-2011.....	2
Table 3.3.1: The top ten leading causes of death, 2018.....	5
Table 3.3. 2: The ten leading causes of death by Sex, 2018.....	6
Table 3.4. 1: Distribution of deaths by the 19 main groups.....	7
Table 3.6. 1: Leading underlying causes of death among Infants (Excluding Neonatal Deaths),2018.....	12
Table 3.6. 2: Leading underlying causes of death among under 5 (Excluding Neonatal Deaths),2018.....	12

List of Figures

Figure 3.1.1: Percentage Distribution Of Deaths By Age And Sex, 2018.....	3
Figure 3.2.1: Infant, Under-Five and Total Mortality Trend, 2006-2018.....	5
Figure 3.4.1: Underlying causes of death per the Global Burden of Diseases, 2018.....	8
Figure 3.4.2: Percentage Distribution Of Causes By Group Type And Age Group, 2018.....	8
Figure 3.4.3: Leading Cause Of Death Among 1-14 Years, 2018.....	9
Figure 3.4. 4: Leading Cause Of Death Among 15-44 Years, 2018.....	9
Figure 3.4.5: Leading Cause Of Death Among 45-64 Years, 2018.....	10
Figure 3.4. 6: Leading Cause Of Death Among 65+ Years, 2018.....	10
Figure 3.5.1: Neonatal Mortality Trend, 2006-2018.....	11
Figure 3.5.2: Leading Underlying Causes Of Death Among Neonates, 2018.....	11
Figure 3.7.1: Botswana Maternal Mortality Ratio (MMR), 2014-2018.....	14

1.0 Introduction

Cause-of-death operations in Botswana involve a number of institutions mainly Health Facilities (hospitals, clinics), Village chiefs, Police, Civil and National Registration. Each of these has specific roles to play in the coordination of civil registration.

This statistical brief mainly analyses administrative data from death notification from health facilities in Botswana. The health facilities uses the morbidity, mortality and obstetric obstetric inpatient form (MH 017/Rev 2003). The form is completed by medical practitioners upon admission of patient at health facilities. Facilities collect data manually or electronically using the Integrated Patients Management System (IPMS). The inpatient form is divided into three sections Morbidity, Mortality and Obstetric sections. However this report focuses on the Mortality section only.

The mortality section of the system allows for reporting of the medical conditions that the medical certifier attributes to causing or contributing to death. A death record is designed to allow the certifying physician to record multiple causes of death for a deceased and to arrange them so that the causal relationship of the medical conditions that finally lead to death are recorded. In order to effectively evaluate the reported mortality information, the conditions listed by the medical certifier are coded using the International Classification of Diseases (ICD-10). The ICD-10 defines the underlying cause of death as:

- (a) the disease or injury that initiated the sequence of events leading directly to death, or
- (b) the circumstances of the accident or violence that produced the fatal injury.

The publication present statistics on deaths by selected socio-demographic and geographic characteristics for deaths that occurred in health facilities; and provide trends in mortality over the years (2006–2018). Furthermore the statsbrief present other mortality indicators outlined in previous surveys and mortality statistics from civil registration.

2.0 Summary Of Key Selected Mortality Indicators

2.1 Selected Key Mortality Indicators

Table 2.1.1 shows a summary of key selected mortality indicators during the census years from 1971 to 2011. The Population of Botswana was estimated at 2,288,651 for the year 2018, with males constituting 49 percent compared to their female counterparts with 51 percent. The proportion of infant population and children less than five years was 2.4 percent and 12.1 percent respectively. The country experienced a decline in mortality levels between 2001 and 2011 as shown by a reduction in Mortality Indicators over the years. Infant Mortality Rate reduced from 97 in 1971 to 17 per 1,000 population in 2011, Child Mortality Rate decreased from 56 per 1,000 population in 1971 to 11 per 1,000 population in 2011 and under 5 Mortality decreased from 152 per 1,000 population in 1971 to 28 per 1,000 population. Life expectancy at birth in 1971 was estimated at 55.5 years and increased to 68 years in 2011 and was estimated at 66.2 in 2017.

Table 2.1.1: Selected Mortality Indicators 1971-2011

Indicator	1971	1981	1991	2001	2011
Infant Mortality Rate(per 1,000)	97	71	48	56	17
Child Mortality Rate(per 1,000)	56	35	16	19	11
Under 5 Mortality (per 1,000)	152	105	63	74	28
Life Expectancy at Birth (years)	56	57	65	56	68
Males	53	52	63	52	66
Females	59	60	67	57	70

Source: Population and Housing Census 2011 Analytical Report, Statistics Botswana. * Botswana Demographic Survey 2017

2.2 Deaths Registration (Civil and National Registration)

Table 2.2.1 shows the deaths registered in Botswana through the Civil and National Registration system from 2011-2018. These are death Registrations of all deaths that occurred and were registered in Botswana for the year 2018 and deaths that occurred in earlier years that were not registered previously. It also provides deaths that occurred in 2018 but were registered in the subsequent year provided the registration was done within the specified period (within 1 month of occurrence). Included also are persons whose place of usual residence was outside the country provided the death occurred within borders. A total of 12,609 deaths were registered in 2018 compared to an estimated 16,506 yielding a 76.4 percent registration.

Table 2.2.1: Death Registration

		2011	2012	2013	2014	2015	2016	2017	2018
Total Population	Number	2,024,904	2,068,529	2,110,050	2,149,255	2,185,903	2,219,732	2,254,021	2,288,656
Total deaths (projected)	Number	18,776	18,329	17,893	17,463	17,079	16,780	16,619	16,506
All deaths (registered)	Number	..	12,270	11,967	12,177	13,030	12,825	12,386	12,609
Death registration	Percent	..	67	67	70	76	76	75	76
Infant deaths	Number	960	1,045	1,012	1,012	998	891
CDR(a)(registered deaths)	Rate	6	6	6	6	6	6	6	6
CDR(projected deaths)	Rate	9	9	9	8	8	8	7	7
Infant mortality rate(b)	Rate	17	..	21	21	21	21	22	16

Source: Vital Statistics 2018, Statistics Botswana

3.0 Health Institutional Death Registration

This section provides information on underlying causes of death recorded in health institutions using the morbidity, mortality and obstetric inpatient form (MH 017/Rev 2003). Therefore, the section does not cover death notification from other institutions.

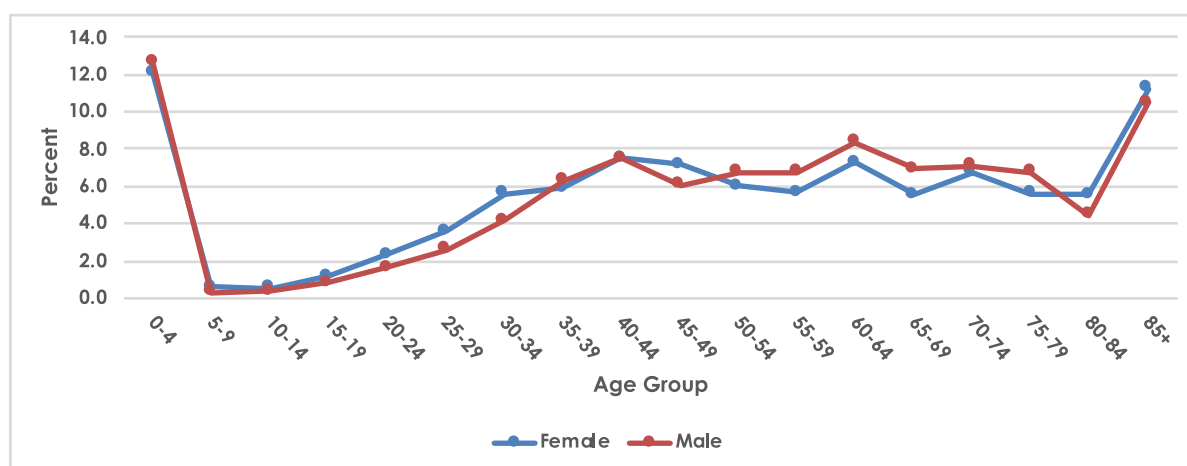
3.1 Demographic Distribution

Table 3.1.1 shows the number and percentage distribution of deaths by Health District. A total of 5,290 deaths were reported in Health Facilities of Botswana for the year 2018. The highest proportion of deaths occurred in Francistown (22.6%), followed by Gaborone (14.9%) and Kweneng East (11.8%). The lowest was from Kgalagadi North (0.7%) followed by Jwaneng (0.9%) and Chobe tied with Kgalagadi North at 1.0 percent

Table 3.1.1: Percentage Distribution of Deaths by Health District, 2018

Health District	Number	Percent
Francistown	1197	22.6
Gaborone	789	14.9
Kweneng East	626	11.8
Serowe	332	6.3
Mahalapye	318	6.0
Southern	227	4.3
Ngamiland	200	3.8
Lobatse	165	3.1
South East	160	3.0
Kgatleng	149	2.8
Gantsi	134	2.5
Palapye	124	2.3
Tutume	120	2.3
Bobirwa	116	2.2
Okavango	105	2.0
Boteti	103	1.9
Selibe Phikwe	90	1.7
Goodhope	86	1.6
North East	59	1.1
Kgalagadi South	54	1.0
Chobe	51	1.0
Jwaneng	48	0.9
Kgalagadi North	37	0.7
Total	5290	100.0

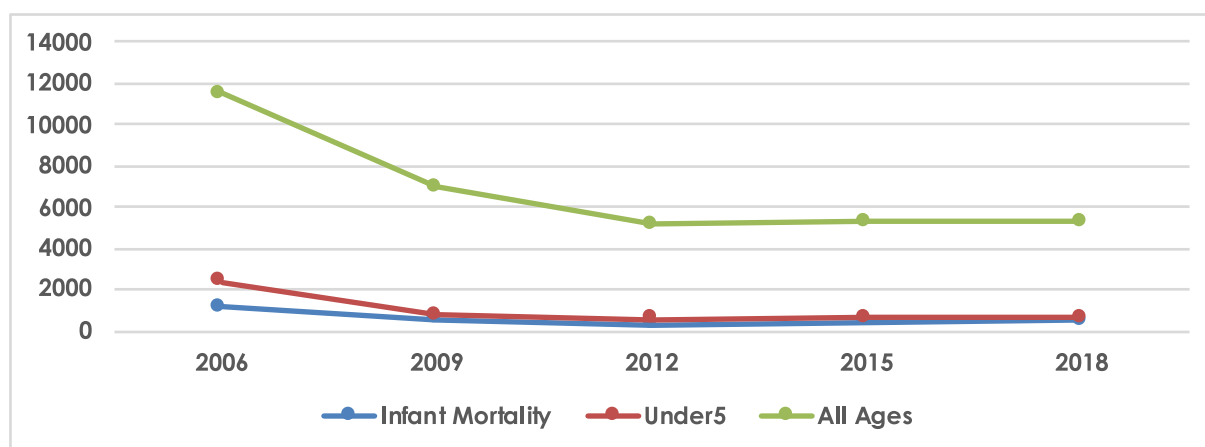
The percentage distribution of deaths by age and sex for the year 2018 from health facilities is shown in **Figure 3.1.1**. The Proportion of male (53.4%) deaths was higher than females (46.6%) deaths. The highest proportion of deaths were amongst those aged 0-4(12.4%) followed by 85+ years (10.9%). The lowest deaths were in the age group 5-9 and 10-14 years at 0.4 percent each. The differences between the proportions of male and female deaths were minimal at younger ages (from age zero to age group 15-19 years). The distribution further shows that from age 20-24 to age group 30-34 years there were slightly more female deaths than males. The proportion of Male deaths also exceeded those of females from the age group 50-54 up to 75-79 years. At ages 80 years and above there were more female deaths than males.

Figure 3.1.1: Percentage Distribution of Deaths by Age and Sex, 2018

3.2 Trends in Number of Deaths Reported from Health Facilities

The number of deaths attended by health facilities in Botswana for the years 2006 to 2018 is shown in **Figure 3.2.1**. Generally, the figure reflects a decline in the level of mortality over the years for all ages including both infant and under-five mortality. Since 2006, there was a gradual decline in deaths from 11,509 reported in 2006 to 5,290 reported in 2018. However, Under 5 mortality increased from 607 deaths in 2015 to 651 deaths in 2018 while infant mortality increased from 453 deaths in 2015 to 502 in 2018.

Figure 3.2.1: Infant, Under-Five and Total Mortality Trend, 2006-2018



3.3 Top 10 Causes of Deaths

Table 3.3.1 shows the top ten underlying causes of death in 2018. The table shows that of all the 5,290 deaths, the top ten conditions contributed up to 35.5 percent of all the deaths. The highest reported leading cause was Unspecified human immunodeficiency virus [HIV] disease (6.5%), followed by Pneumonia, unspecified (5.9%), and Essential (primary) hypertension (3.9%).

Table 3.3.1: The Ten Leading Underlying Natural Causes Of Death, 2018

ICD 10 Code	Cause of Death	Number	Percent
B24	Unspecified human immunodeficiency virus [HIV] disease	345	6.5
J18.9	Pneumonia, unspecified	312	5.9
I10	Essential (primary) hypertension	208	3.9
B20.0	HIV disease resulting in mycobacterial infection	200	3.8
C53.9	Malignant neoplasm of cervix uteri, unspecified	158	3.0
I50.0	Congestive heart failure	142	2.7
I64	Stroke, not specified as haemorrhage or infarction	139	2.6
A41.9	Septicaemia, unspecified	132	2.5
A16.2	Tuberculosis of lung, without mention of bacteriological or histological confirmation	130	2.5
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	114	2.2
Causes Specified above		1880	35.5
Other Causes		3410	64.5
All diseases and conditions		5290	100.0

The distribution of the ten leading underlying causes of death by male and female in 2018 is shown in **Table 3.3.2**. The ten leading causes of male deaths contributed 36.4 percent to all male deaths. Similarly, the ten leading causes for females contributed 38.4 percent to all female deaths. Six of the ten leading causes of death were the same for both males and females. Pneumonia, unspecified was the leading cause of death amongst males (7.2%) and unspecified human immunodeficiency virus [HIV] disease amongst females (6.7%). Malignant neoplasm of cervix uteri, unspecified was ranked second amongst females (6.3%) while Unspecified human immunodeficiency virus [HIV] disease was the second amongst males (6.4%). Pneumonia, unspecified was also the third in females (4.4%) and Essential (primary) hypertension was the third amongst males (4.2%).

Table 3.3. 2: The Ten Leading Causes Of Death By Sex, 2018

ICD 10 Code	Cause of Death	Female			Male		
		Rank	Number	%	Rank	Number	%
B24	Unspecified human immunodeficiency virus [HIV] disease	1	164	6.7	2	181	6.4
C53.9	Malignant neoplasm of cervix uteri, unspecified	2	156	6.3	-	-	-
J18.9	Pneumonia, unspecified	3	109	4.4	1	203	7.2
I10	Essential (primary) hypertension	4	107	4.3	3	118	4.2
B20.0	HIV disease resulting in mycobacterial infection	5	82	3.3	4	100	3.5
I64	Stroke, not specified as hemorrhage or infarction	6	74	3	7	65	2.3
A41.9	Septicemia, unspecified	7	73	3	-	-	-
E14.9	Unspecified diabetes mellitus, without complications	8	61	2.5	-	-	-
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	9	60	2.4	-	-	-
I50.0	Congestive heart failure	10	59	2.4	6	83	2.9
A16.2	Tuberculosis of the lung, without mention of bacteriological or histological confirmation	-	-	-	5	91	3.2
N18.9	Chronic renal failure, unspecified	-	-	-	8	64	2.3
J44.9	Chronic obstructive pulmonary disease, unspecified	-	-	-	9	62	2.2
X59.9	Exposure to unspecified factor - Unspecified place	-	-	-	10	61	2.2
Causes Specified above			945	38.4		1,028	36.4
Other Causes			1,517	61.6		1,796	63.6
Total			2,462	100		2,824	100

3.4 Causes Of Death By Broad Groups, Global Burden And Age Groups

3.4.1 Causes Of Death By Broad Groups

Table 3.4.1 gives underlying causes of death according to the main groups (chapters). The International Classification of Diseases (ICD)-10 classifies diseases and related health problems into 22 chapters, of which 19 are used in the reporting of information on underlying causes of death. Certain infectious and parasitic diseases were the most common underlying cause of death's main group, comprising 25.8 percent of deaths in 2018. This was followed by Neoplasms (16.7%), then Diseases of the circulatory system at 13.5 percent. No deaths were reported from Diseases of the ear and mastoid process, and Mental and behavioral disorders.

Table 3.4.1: Distribution Of Deaths By The 19 Main Groups

No.	ICD 10 Code	Main Groups Of Underlying Causes Of Death	Number	Percent
1	A00-B99	Certain infectious and parasitic diseases	1366	25.8
2	C00-D48	Neoplasms	886	16.7
3	D50-D89	Diseases of the blood and immune mechanism	82	1.6
4	E00-E88	Endocrine, nutritional and metabolic diseases	258	4.9
5	F01-F99	Mental and behavioural disorders	0	0.0
6	G00-G98	Diseases of the nervous system	126	2.4
7	H00-H59	Diseases of the eye and adnexa	1	0.0
8	H60-H95	Diseases of the ear and mastoid process	0	0.0
9	I00-I99	Diseases of the circulatory system	713	13.5
10	J00-J99	Diseases of the respiratory system	505	9.5
11	K00-K92	Diseases of the digestive system	213	4.0
12	L00-L98	Diseases of the skin and subcutaneous tissue	31	0.6
13	M00-M99	Diseases of the musculoskeletal system etc.	19	0.4
14	N00-N99	Diseases of the genitourinary system	308	5.8
15	O00-O99	Pregnancy, childbirth and puerperium	75	1.4
16	P00-P96	Certain conditions originating in the perinatal period	370	7.0
17	Q00-Q99	Congenital malformations	55	1.0
18	R00-R99	Symptoms and signs not elsewhere classified	74	1.4
19	V01-Y89	External causes of morbidity and mortality	208	3.9
Total			5290	100.0

3.4.2 Causes Of Death By Global Burden

This sections provide underlying causes of death which are divided into three different groups according to the Global Burden of Diseases. These three groups are; Group I:(Communicable diseases ,Nutritional, Maternal and Perinatal), Group II: Non-communicable diseases , and Group III: External causes of injuries.

Figure 3.4.1 shows that in 2018 most of the deaths were from Group I (52.2%), followed by Group II (42.5%) and the least were from Group III(5.3%).

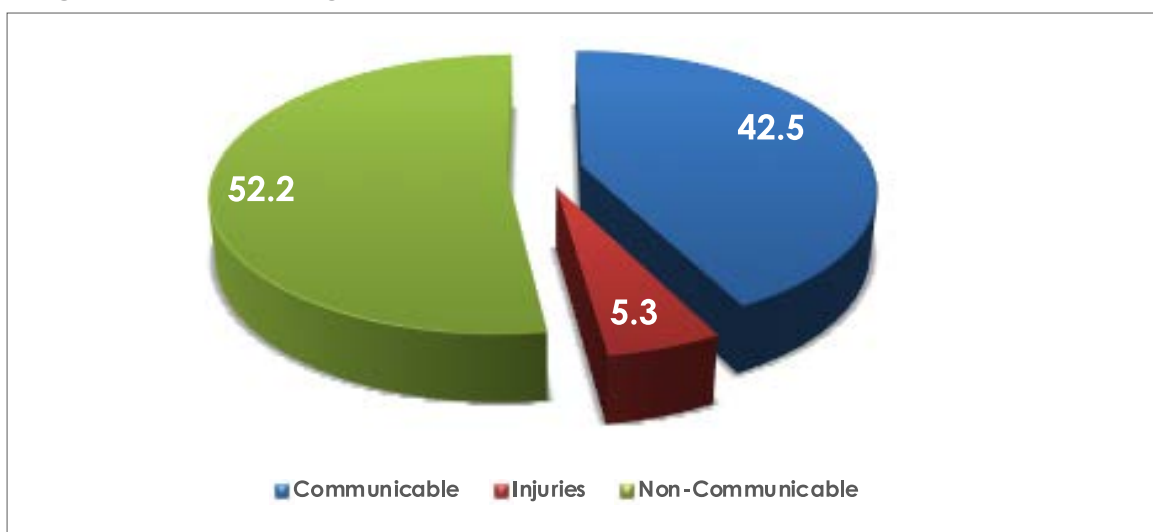
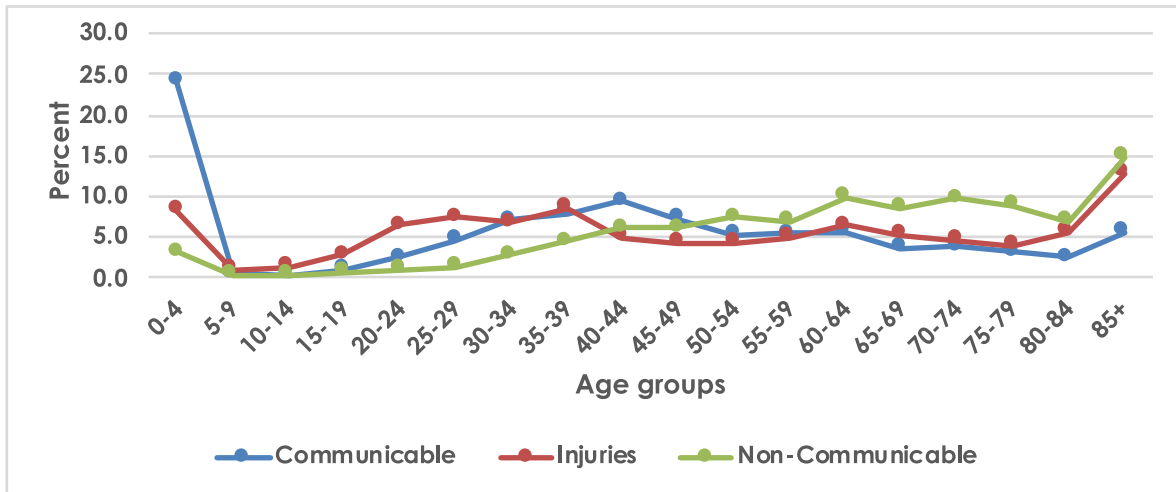
Figure 3.4. 1: Underlying Causes Of Death Per The Global Burden Of Diseases, 2018

Figure 3.4.2 shows the distribution of causes of death from health facilities by group type and age groups. Generally the figure shows marginal fluctuations across all the age groups in all group types. The proportion of deaths due to Group I causes (communicable diseases, maternal, perinatal and nutritional conditions) was high among children age 0 to 4 years, It slows down to 5-9 years and increases steadily to the age group 40-44 years reaching another peak there after declining. Deaths due to non-communicable diseases was low among younger ages (0-24 years) thereafter it increases with age. The highest peak of non-communicable diseases was observed in the age group 85+. Deaths due to Group III was low at the ages 5-14 years and high between the ages 20-39 years with a peak observed at the ages 85+.

Figure 3.4. 2: Percentage Distribution Of Causes By Group Type And Age Group, 2018



3.4.3 Major Causes Of Death By Broad Age Groups

Figure 3.4.3 shows the leading underlying cause of death among the 1-14 years broad age category. Other and unspecified gastroenteritis and colitis of infectious origin was the leading underlying cause of death(14.49%), followed by Pneumonia, unspecified(12.8%) and the third leading underlying cause of death was Unspecified severe protein-energy malnutrition(6.2%).

Figure 3.4. 3: Leading Cause Of Death Among 1-14 Years, 2018

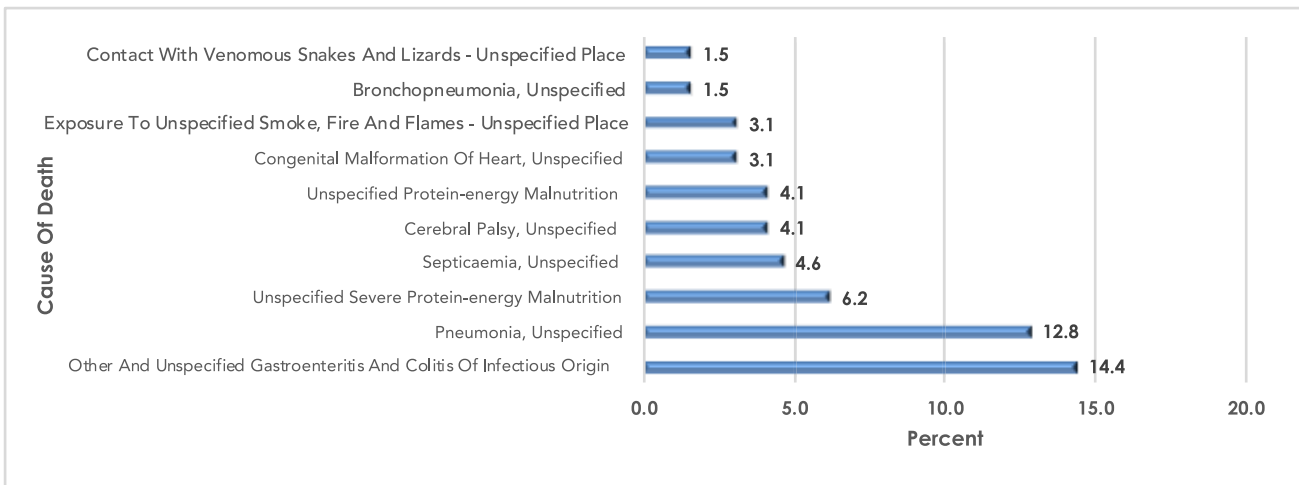
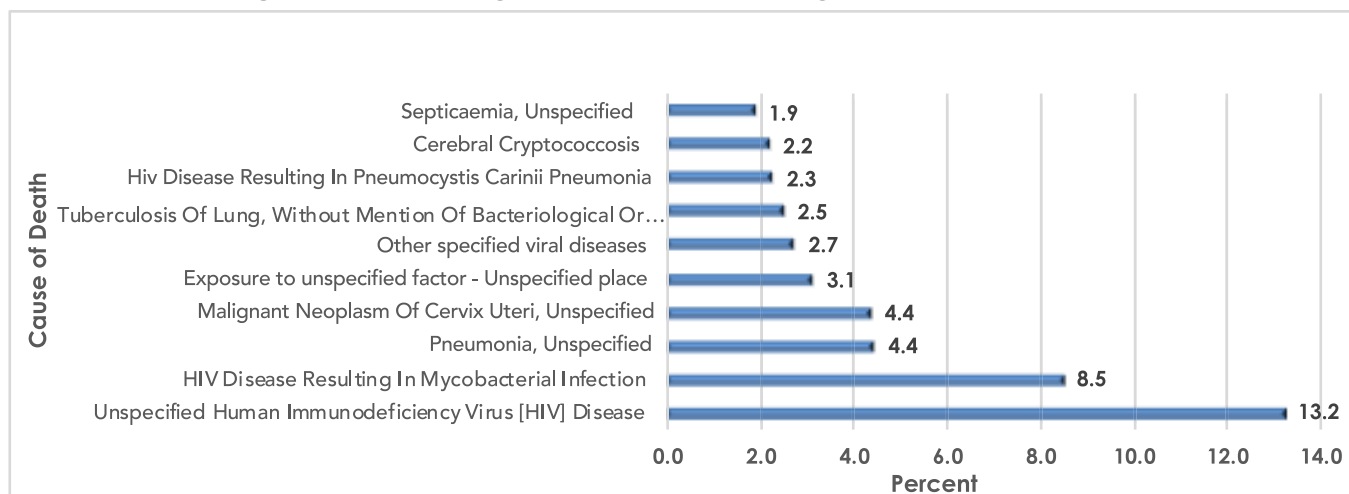


Figure 3.4.4 shows the leading underlying causes of death among 15-44 years broad age group category. For the broad age group 15-44 Years the major underlying causes of death were Unspecified human immunodeficiency virus [HIV] disease (13.2%), followed by HIV disease resulting in mycobacterial infection (8.5%) and the third was Pneumonia, unspecified(4.4%).

Figure 3.4. 4: Leading Cause Of Death Among 15-44 Years, 2018

The major underlying cause of death for the age group 45-64 years was Unspecified human immunodeficiency virus [HIV] disease (8.6%), followed by HIV disease resulting in mycobacterial infection (5.3%) and the third was Pneumonia, unspecified (4.8%). (See **Figure 3.4.5**). For the broad age group 45-64 years the four top major causes of death were similar to the age group 15-44 years with similar rankings. Three of the top ten causes were HIV related deaths, which also shows a relatively high proportion of people who die in this age group because of HIV (See **Annex 2**).

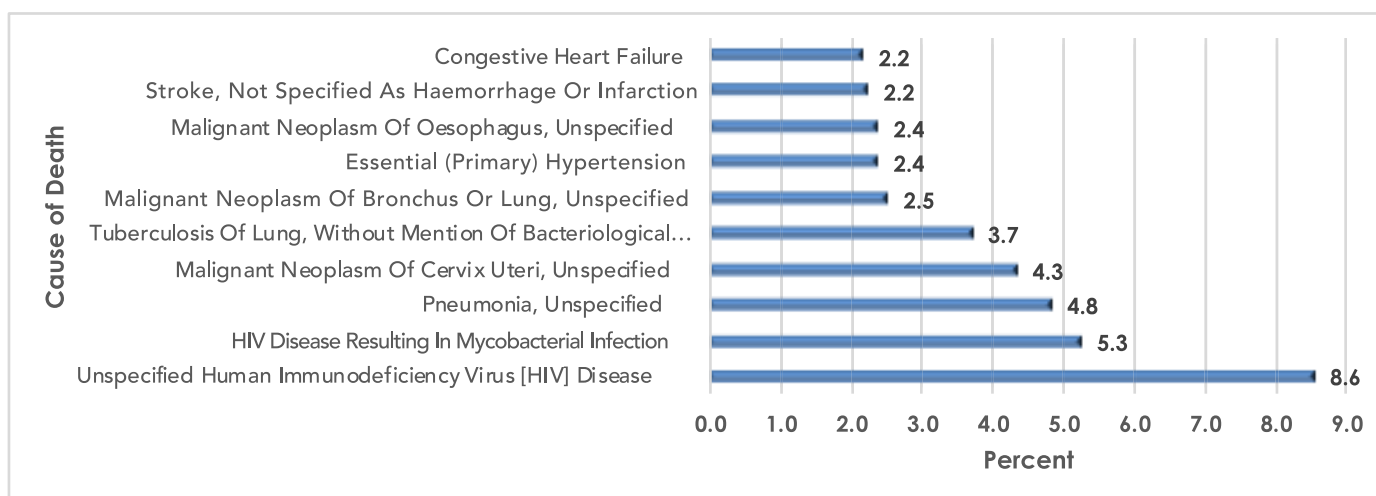
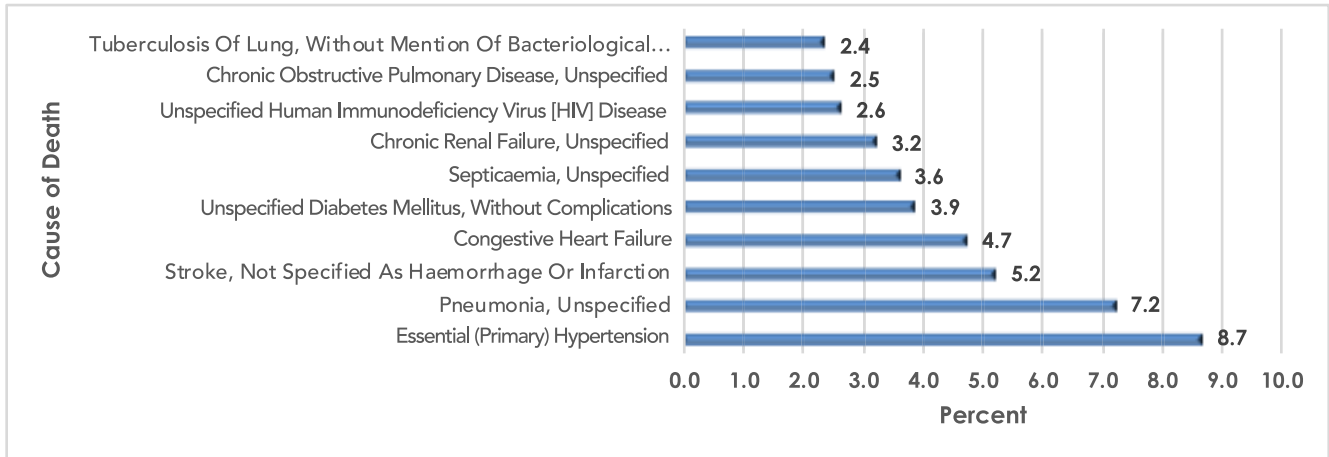
Figure 3.4. 5: Leading Cause Of Death Among 45-64 Years, 2018

Figure 3.4.6 shows the leading underlying causes of death among the aging population (65+). The major underlying cause of death for the age group 65+ years was Essential (primary) hypertension (8.7%), followed by Pneumonia, unspecified (7.2%) and the third was Stroke, not specified as hemorrhage or infarction (5.2%). The majority (Six) of the top ten conditions were non-communicable.

Figure 3.4. 6: Leading Cause Of Death Among 65+ Years, 2018



3.5 Neonatal Mortality

A total of 300 in-patient neonatal deaths were recorded in 2018. Males accounted for 171 (57%) of this number while females accounted for 129 (43%). **Figure 3.5.1** shows trends in Neonatal mortality from 2006 to 2018. Generally, a significant decline of 46.8 percent in Neonatal deaths was observed over the years from 2006 to 2018. However, male deaths increased from 156 in 2015 to 171 in 2018.

Figure 3.5. 1: Neonatal Mortality Trend, 2006-2018

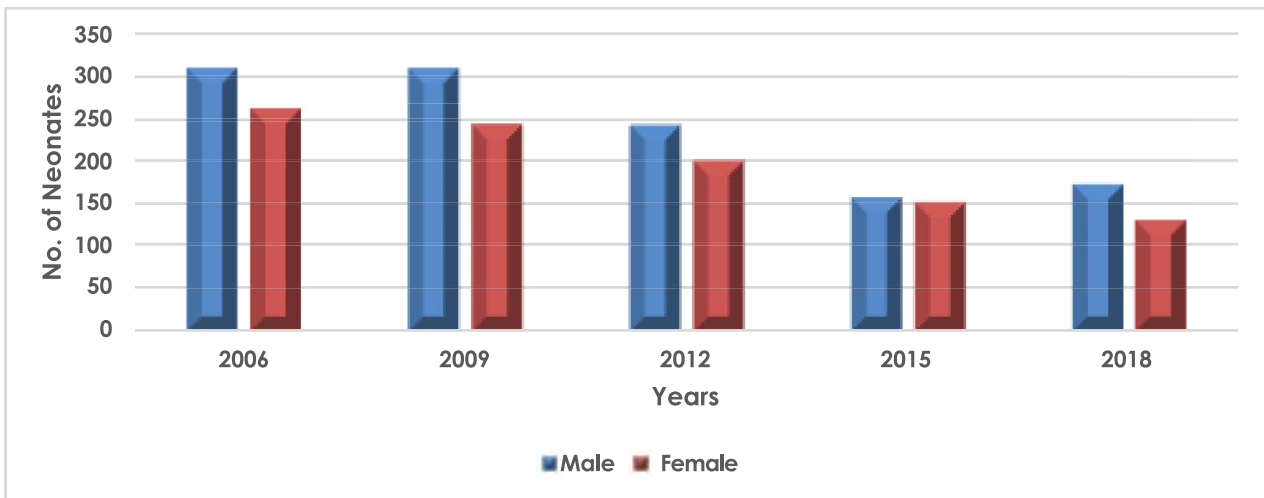
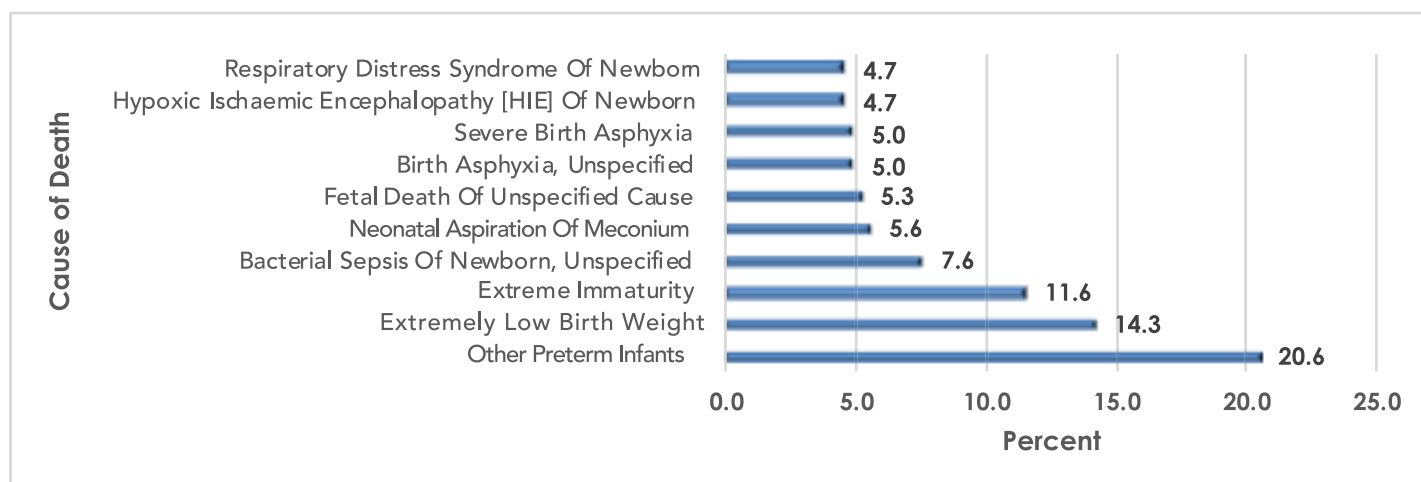


Figure 3.5.2 shows the leading underlying causes of death among neonates. The leading underlying causes of death constituted 84.4 percent of all Neonatal deaths. The highest leading underlying cause of deaths among neonates for 2018 was other preterm infants (20.6%), followed by extremely low birth weight and extreme immaturity at 14.4 and 11.6 percent respectively.

Figure 3.5. 2: Leading Underlying Causes Of Death Among Neonates, 2018

3.6 Infant and Under 5 Mortality

The leading underlying causes of death among Infants (excluding neonates) is shown in **Table 3.6.1**. The leading underlying causes of death constituted 62.7 percent of all Infant deaths. In 2018 the leading cause was Pneumonia, unspecified (11.4%), followed by Other preterm infants (10.0%), and Bacterial sepsis of newborn, unspecified (9.5%).

Table 3.6.1: Leading Underlying Causes Of Death Among Infants(Excluding Neonatal Deaths),2018

ICD10 Code	Cause of Death	Female	Male	Total	%
J18.9	Pneumonia, unspecified	11	12	23	11.4
P07.3	Other preterm infants	10	10	20	10.0
P36.9	Bacterial sepsis of newborn, unspecified	9	10	19	9.5
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	6	10	16	8.0
P07.0	Extremely low birth weight	5	10	15	7.5
A41.9	Septicaemia, unspecified	6	6	12	6.0
Q24.9	Congenital malformation of heart, unspecified	4	5	9	4.5
E43	Unspecified severe protein-energy malnutrition	2	2	4	2.0
J18.0	Bronchopneumonia, unspecified	2	2	4	2.0
P07.2	Extreme immaturity	0	4	4	2.0
	Causes Specified above	55	71	126	62.7
	Other causes	38	37	75	37.3
	All diseases and conditions	93	108	201	100.0

Table 3.6.2 shows the leading underlying causes of death among under 5 (excluding neonates). The leading underlying causes of death constituted 60.0 percent of all Under 5 deaths. In 2018 the leading cause was Pneumonia, unspecified (13.4%), followed by Other and unspecified gastroenteritis and colitis of infectious origin (12.0%), and Other preterm infants (5.7%).

Table 3.6.2: Leading Underlying Causes Of Death Among Under 5 (Excluding Neonatal Deaths),2018

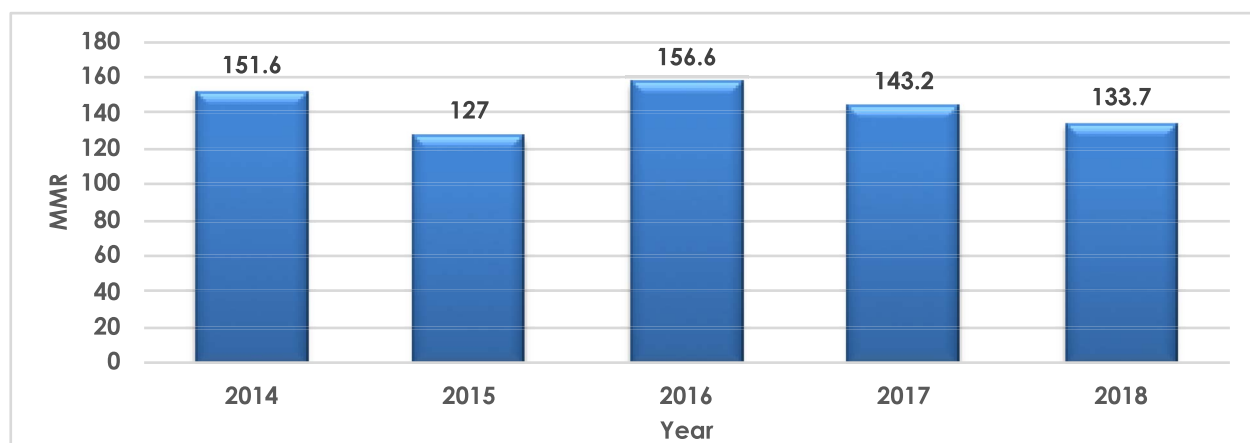
ICD10 Code	Cause of Death	Female	Male	Total	%
J18.9	Pneumonia, unspecified	22	25	47	13.4
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	21	21	42	12.0
P07.3	Other preterm infants	10	10	20	5.7
A41.9	Septicaemia, unspecified	9	10	19	5.4
P36.9	Bacterial sepsis of newborn, unspecified	9	10	19	5.4
E43	Unspecified severe protein-energy malnutrition	9	7	16	4.6
P07.0	Extremely low birth weight	6	10	16	4.6
Q24.9	Congenital malformation of heart, unspecified	9	6	15	4.3
E46	Unspecified protein-energy malnutrition	5	4	9	2.6
J18.0	Bronchopneumonia, unspecified	3	4	7	2.0
Causes Specified above		103	107	210	60.0
Other causes		64	76	140	40.0
All diseases and conditions		167	183	350	100.0

3.7 Maternal Mortality

Figure 3.7.1 shows Botswana Maternal Mortality Ratio (MMR) for the period 2014 to 2018. There were 71 maternal deaths in 2018 from 53,115 total live births yielding MMR of 133.7 per 100,000 live-births. The direct causes constituted 73 percent compared to 26.8 percent of indirect causes. The MMR dropped from 143.2 to 133.7 per 100,000 live births between 2017 and 2018 showing a decline of 6.6 percent.

The most common causes of maternal deaths as shown in Appendix 2 was Genital tract & pelvic infection following abortion, ectopic and molar pregnancy (14 cases), followed by Other immediate postpartum haemorrhage (8 cases) followed by Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium (seven cases), and Rapture of the uterus during labour with seven cases each.

Additionally, the highest maternal deaths were recorded among the age group 25-29 years and 30-34 years at 22.5 percent each, followed by 35-39 years (19.7 %), 40-44 years (12.7 %). However there was no maternal death recorded among those aged less than 15 years.

Figure 3.7.1: Botswana Maternal Mortality Ratio (MMR), 2014-2018



• Appendices

Appendix 1: Causes of Maternal Mortality by Age Groups ,2018

Code	Direct Causes	Age Group Of Mothers (Years)									Total	%
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N/S		
O00.9	Ectopic Pregnancy, unspecified	0	0	1	0	0	0	0	0	0	1	1.4
O06.3	Unspecified abortion, incomplete with other and unspecified complications.	0	1	0	0	0	0	0	0	0	1	1.4
O06.4	Unspecified abortion, incomplete without complications.	0	0	0	0	1	0	0	0	0	1	1.4
O08.0	Genital tract and pelvic infection following abortion and ectopic and molar pregnancy	0	0	1	4	4	3	2	0	0	14	19.7
O14.1	Severe pre-eclampsia	0	0	1	0	1	0	0	0	0	2	2.8
O14.9	Pre-eclampsia, unspecified	0	0	1	0	0	0	0	0	0	1	1.4
O15.0	Eclampsia in pregnancy	0	0	0	0	1	1	0	0	0	2	2.8
O15.1	Eclampsia in labour	0	1	0	0	0	0	0	0	0	1	1.4
O24.9	Diabetes mellitus in pregnancy, unspecified	0	0	0	1	0	0	0	0	0	1	1.4
O26.8	Other specified pregnancy -related conditions (Renal disease)	0	0	1	0	0	0	0	0	0	1	1.4
O44.1	Placenta praevia with haemorrhage	0	0	0	0	1	0	0	0	0	1	1.4
O45.9	Premature separation of placenta, unspecified	0	0	0	1	2	1	0	0	0	4	5.6
O71.1	Rapture of uterus during labour	0	0	0	2	0	1	4	0	0	7	9.9
O72.1	Other immediate postpartum haemorrhage	0	1	0	0	1	4	1	1	0	8	11.3
O85	Puerperal sepsis	0	0	0	0	0	1	0	0	0	1	1.4
O88.2	Obstetric blood-clot embolism	0	1	1	0	0	1	1	0	0	4	5.6
O90.3	Cardiomyopathy in the puerperium	0	1	0	0	1	0	0	0	0	2	2.8
	Total	0	5	6	8	12	12	8	1	0	52	73.2

Code	Indirect Causes	Age Group Of Mothers (Years)									Total	%
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N/S		
O98.7	Human immunodeficiency(HIV) disease complicating pregnancy, childbirth and the puerperium	0	0	0	3	0	1	0	1	0	5	7
O98.8	Other maternal infections and parasitic diseases complicating pregnancy childbirth and the puerperium	0	0	0	0	1	0	0	0	0	1	1.4
O99.1	Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism complicating pregnancy, childbirth and the puerperium	0	0	1	0	0	0	0	0	0	1	1.4
O99.3	Mental disorders and diseases of the nervous system complicating pregnancy, childbirth and the puerperium	0	0	0	2	1	0	0	0	0	3	4.2
O99.4	Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium	0	1	0	3	1	0	1	1	0	7	9.9
O99.5	Diseases of the respiratory system complicating pregnancy, childbirth and the puerperium	0	0	0	0	1	0	0	0	0	1	1.4
O99.6	Diseases of the digestive system complicating pregnancy, childbirth and puerperium.	0	0	0	0		1	0	0	0	1	1.4
	Total	0	1	1	8	4	2	1	2	0	19	26.8
	Grand Total	0	6	7	16	16	14	9	3	0	71	100

Appendix 2: The Ten Leading Underlying Natural Causes Of Death By Broad Age Groups, 2018

ICD 10 Code	Cause of Death	<1			1-14			15-44			45-64			65+		
		Rank	No.	%	Rank	No.	%	Rank	No.	%	Rank	No.	%	Rank	No.	%
P07.3	Other preterm infants	1	82	16.3	-	-	-	-	-	-	-	-	-	-	-	-
P07.0	Extremely low birth weight	2	58	11.6	-	-	-	-	-	-	-	-	-	-	-	-
P36.9	Bacterial sepsis of newborn, unspecified	3	42	8.4	-	-	-	-	-	-	-	-	-	-	-	-
P07.2	Extreme immaturity	4	39	7.8	-	-	-	-	-	-	-	-	-	-	-	-
J18.9	Pneumonia, unspecified	5	24	4.8	2	25	12.8	3	57	4.4	3	69	4.8	2	134	7.2
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	6	18	3.6	1	28	14.4	-	-	-	-	-	-	-	-	-
P24.0	Neonatal aspiration of meconium	7	18	3.6	-	-	-	-	-	-	-	-	-	-	-	-
P21.0	Severe birth asphyxia	8	17	3.4	-	-	-	-	-	-	-	-	-	-	-	-
P22.0	Respiratory distress syndrome of newborn	9	17	3.4	-	-	-	-	-	-	-	-	-	-	-	-
P91.6	Hypoxic ischaemic encephalopathy [HIE] of newborn	10	17	3.4	-	-	-	-	-	-	-	-	-	-	-	-
E43	Unspecified severe protein-energy malnutrition	-	-	-	3	12	6.2	-	-	-	-	-	-	-	-	-
A41.9	Septicaemia, unspecified	-	-	-	4	9	4.6	10	24	1.9	-	-	-	6	67	3.6
E46	Unspecified protein-energy malnutrition	-	-	-	5	8	4.1	-	-	-	-	-	-	-	-	-
G80.9	Cerebral palsy, unspecified	-	-	-	6	8	4.1	-	-	-	-	-	-	-	-	-
Q24.9	Congenital malformation of heart, unspecified	-	-	-	7	6	3.1	-	-	-	-	-	-	-	-	-
X09.9	Exposure to unspecified smoke, fire and flames - Unspecified place	-	-	-	8	6	3.1	-	-	-	-	-	-	-	-	-
J18.0	Bronchopneumonia, unspecified	-	-	-	9	3	1.5	-	-	-	-	-	-	-	-	-
J69.0	Pneumonitis due to food and vomit	-	-	-	10	3	1.5	-	-	-	-	-	-	-	-	-
B24	Unspecified human immunodeficiency virus [HIV] disease	-	-	-	-	-	-	1	170	13.2	1	122	8.6	8	49	2.6
B20.0	HIV disease resulting in mycobacterial infection	-	-	-	-	-	-	2	109	8.5	2	75	5.3	-	-	-
C53.9	Malignant neoplasm of cervix uteri, unspecified	-	-	-	-	-	-	4	56	4.4	4	62	4.3	-	-	-
X59.9	Exposure to unspecified factor - Unspecified place	-	-	-	-	-	-	5	40	3.1	-	-	-	-	-	-
B33.8	Other specified viral diseases	-	-	-	-	-	-	6	35	2.7	-	-	-	-	-	-
A16.2	Tuberculosis of lung, without mention of bacteriological or histological confirmation	-	-	-	-	-	-	7	32	2.5	5	53	3.7	10	44	2.4

Appendix 2 Cont'd: The Ten Leading Underlying Natural Causes Of Death By Broad Age Groups, 2018

ICD 10 Code	Cause of Death	<1			1-14			15-44			45-64			65+		
		Rank	No	%	Rank	No	%	Rank	No	%	Rank	No	%	Rank	No	%
B20.6	HIV disease resulting in Pneumocystis carinii pneumonia	-	-	-	-	29	2.3	8	-	-	-	-	-	-	-	-
B45.1	Cerebral cryptococcosis	-	-	-	-	28	2.2	9	-	-	-	-	-	-	-	-
C34.9	Malignant neoplasm of bronchus or lung, unspecified	-	-	-	-	-	-	-	6	36	2.5	-	-	-	-	-
I10	Essential (primary) hypertension	-	-	-	-	-	-	-	7	34	2.4	1	161	8.7	-	-
C15.9	Malignant neoplasm of oesophagus, unspecified	-	-	-	-	-	-	-	8	34	2.4	-	-	-	-	-
I64	Stroke, not specified as haemorrhage or infarction	-	-	-	-	-	-	-	9	32	2.2	3	97	5.2	-	-
I50.0	Congestive heart failure	-	-	-	-	-	-	-	10	31	2.2	4	88	4.7	-	-
E14.9	Unspecified diabetes mellitus, without complications	-	-	-	-	-	-	-	-	-	-	5	72	3.9	-	-
N18.9	Chronic renal failure, unspecified	-	-	-	-	-	-	-	-	-	-	7	60	3.2	-	-
J44.9	Chronic obstructive pulmonary disease, unspecified	-	-	-	-	-	-	-	-	-	-	9	47	2.5	-	-
Causes Specified above			332	66.1		108	55.4		580	45.1		548	38.4		819	44.2
Other causes			170	33.9		87	44.6		707	54.9		878	61.6		1,035	55.8
All diseases and conditions			502	100.0		195	100.0		1,287	100.0		1,426	100.0		1,854	100.0

Appendix 3: Cause Of Death By ICD 10 Three-Character Categories List, Sex And Age Group, 2018

ICD 10 Code	Cause of Death	Male						Female						Grand Total				
		1-14		15-44		45-64		65+		1-14		15-44			45-64		65+	
		<1	N/S	Total	<1	N/S	Total	<1	N/S	Total	<1	N/S	Total		<1	N/S	Total	
A00-B99 Certain Infectious And Parasitic Diseases		19	28	262	192	125	626	20	23	313	247	129	732	8	1,366	1	1366	
A00-A09	Intestinal infectious diseases	8	16	11	8	21	64	12	14	9	9	13	57	0	121	0	121	
A15-A19	Tuberculosis	2	5	38	23	15	83	0	1	39	55	45	140	1	224	0	224	
A30-A49	Other bacterial diseases	6	4	11	8	44	73	6	5	13	12	23	59	1	133	0	133	
A50-A64	Infections with a predominantly sexual mode of transmission	0	0	0	0	0	0	0	0	1	0	1	2	0	2	0	2	
A65-A69	Other spirochaetal diseases	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	
A80-A89	Viral Infections of the central nervous system	0	0	1	1	0	2	0	0	1	0	0	1	0	3	0	3	
B15-B19	Viral hepatitis	0	1	0	1	0	2	0	0	2	2	0	4	1	7	0	7	
B20-B24	HIV	3	2	162	127	32	326	2	3	197	133	42	377	4	707	0	707	
B25-B34	Other viral diseases	0	0	23	15	9	47	0	0	20	17	4	41	0	88	0	88	
B35-B49	Mycoses	0	0	10	6	1	17	0	0	22	13	0	35	0	52	0	52	
B50-B64	Protozoal diseases	0	0	6	3	1	10	0	0	9	4	1	14	1	25	1	25	
B65-B83	Helminthiases	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	
B95-B98	Bacterial, viral and other infectious agents	0	0	0	0	1	1	0	0	0	1	0	1	0	2	0	2	
Total		19	28	262	192	125	626	20	23	313	247	129	732	8	1,366	1	1366	
C00-D48 Neoplasms		0	0	0	2	3	5	0	0	1	14	6	21	0	26	0	26	
C00-C14	Malignant neoplasms of lip, oral cavity and pharynx	0	0	0	2	3	5	0	0	1	14	6	21	0	26	0	26	
C15-C26	Malignant neoplasms of digestive organs	0	1	6	40	40	87	0	0	17	60	69	146	1	234	0	234	
C30-C39	Malignant neoplasm of respiratory and intrathoracic organs	0	0	2	10	10	22	0	0	4	28	29	61	0	83	0	83	
C40-C41	Malignant neoplasms of bone and articular cartilage	0	1	3	0	2	6	0	0	2	0	1	3	0	9	0	9	
C43-C44	Melanoma and other malignant neoplasms of skin	0	0	3	4	5	12	0	0	2	11	4	17	0	29	0	29	
C45-C49	Malignant neoplasms of mesothelial and soft tissue	0	1	4	3	3	11	0	0	5	6	2	13	0	24	0	24	
C50	Malignant neoplasm of breast	0	0	15	27	16	58	0	0	0	0	0	0	1	59	1	59	
C51-C58	Malignant neoplasm of female genital organs	1	0	71	84	51	207	0	0	0	0	2	2	0	209	0	209	
C60-C63	Malignant neoplasm of male genital organs	0	0	1	0	1	2	0	0	1	13	40	54	1	57	0	57	
C64-C68	Malignant neoplasms of urinary tract	0	1	0	2	1	4	0	0	1	2	2	5	0	9	0	9	
C69-C72	Malignant neoplasms of eye, brain and other parts of central nervous system	0	0	1	0	4	5	0	3	5	4	2	14	0	19	0	19	
C73-C75	Malignant neoplasms of thyroid and other endocrine glands	0	1	0	0	1	2	0	1	0	1	1	3	0	5	0	5	
C76-C80	Malignant neoplasms of ill-defined, secondary and unspecified sites	0	0	3	3	4	10	0	0	2	9	9	20	1	31	0	31	
C81-C96	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	0	3	15	4	5	27	0	1	16	11	5	33	0	60	0	60	
D00-D09	In situ neoplasms	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	
D10-D36	Benign neoplasms	0	0	2	3	3	8	0	0	1	2	0	3	0	11	0	11	
D37-D48	Neoplasms of uncertain or unknown behaviour	0	1	3	3	1	8	0	0	3	6	3	12	0	20	0	20	
Total		1	9	129	186	150	475	0	5	60	167	175	407	4	886	1	886	

Appendix 3 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List, Sex And Age Group, 2018

ICD 10 Code	Cause of Death	Male						Female						Grand Total		
		<1	1-14	15-44	45-64	65+	N/S	Total	<1	1-14	15-44	45-64	65+		N/S	Total
100-199 Diseases of the circulatory system																
100-102	Acute rheumatic fever	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
105-109	Chronic rheumatic heart diseases	0	0	1	0	1	0	2	0	0	1	0	0	0	1	3
110-115	Hypertensive diseases	0	0	9	27	92	0	128	0	0	9	21	119	0	149	278
120-125	Ischaemic heart diseases	0	0	1	2	0	0	3	0	0	3	0	3	0	6	9
126-128	Pulmonary heart disease and diseases of pulmonary circulation	0	1	1	6	3	0	11	0	0	5	5	6	0	16	27
130-152	Other forms of heart disease	0	0	20	21	56	0	97	0	1	11	15	42	2	71	168
160-169	Cerebrovascular diseases	0	0	10	33	49	2	94	0	0	11	20	80	0	111	205
170-179	Diseases of arteries, arterioles and capillaries	0	0	1	4	3	0	8	0	0	1	1	3	0	5	13
180-189	Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified	0	0	1	2	1	0	4	0	0	1	2	1	0	4	8
195-199	Other and unspecified disorders of the circulatory system	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total		0	1	45	95	205	2	348	0	1	42	65	254	2	364	713
J00-J99 Diseases of the respiratory system																
J00-J06	Acute upper respiratory infections	0	1	0	1	1	0	3	0	0	1	1	0	0	2	5
J09-J18	Influenza and pneumonia	15	16	37	46	99	2	215	13	12	23	25	46	1	120	335
J20-J22	Other acute lower respiratory infections	1	1	0	0	3	0	5	0	0	0	1	2	0	3	8
J30-J39	Other diseases of upper respiratory tract	0	0	0	1	0	0	1	0	0	0	0	1	0	1	2
J40-J47	Chronic lower respiratory diseases	0	0	2	26	50	0	78	0	0	1	8	11	0	20	98
J60-J70	Lung diseases due to external agents	1	2	0	0	0	0	3	1	1	0	0	0	0	2	5
J80-J84	Other respiratory diseases principally affecting the interstitium	0	0	1	4	6	0	11	0	0	1	1	0	0	2	13
J85-J86	Suppurative and necrotic conditions of lower respiratory tract	0	0	2	0	1	1	4	0	1	1	0	1	0	3	7
J90-J94	Other diseases of pleura	0	0	1	1	6	0	8	0	0	1	2	4	0	7	15
J95-J99	Other diseases of the respiratory system	0	1	4	3	3	0	11	0	0	2	1	3	0	6	17
Total		17	21	47	82	169	3	339	14	14	30	39	68	1	166	505
K00-K92 Diseases of the digestive system																
K20-K31	Diseases of oesophagus, stomach and duodenum	0	1	5	3	10	0	19	0	0	2	3	3	0	8	27
K35-K38	Diseases of appendix	0	0	3	1	3	0	7	0	0	0	1	0	0	1	8
K40-K46	Hernia	0	0	1	0	0	0	1	0	0	0	0	2	0	2	3
K50-K52	Noninfective enteritis and colitis	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1
K55-K63	Other diseases of intestines	0	0	2	13	11	1	27	1	1	1	4	5	1	13	40
K65-K67	disease of peritoneum	0	0	1	1	1	0	3	0	1	2	0	0	0	3	6
K70-K77	Diseases of liver	2	3	9	14	16	0	44	0	0	6	11	14	0	31	75
K80-K87	Disorders of gallbladder, biliary tract and pancreas	0	0	2	3	6	0	11	0	0	0	5	11	0	16	27
K90-K93	Other diseases of the digestive system	1	0	3	5	3	0	12	0	0	3	3	7	0	13	25
K90-K94	Other diseases of the digestive system	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total		3	4	26	41	50	1	125	1	2	14	27	43	1	88	213

Appendix 3 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List, Sex And Age Group, 2018

ICD 10 Code	Cause of Death	Male						Female						Grand Total						
		1-14		15-44		45-64		65+		15-44		45-64			65+					
		<1	Total	N/S	Total	<1	Total	N/S	Total	N/S	Total	<1	Total		N/S	Total				
L00-L98 Diseases of the skin and subcutaneous tissue																				
L00-L08	Infections of the skin and subcutaneous tissue	0	2	1	4	0	8	0	0	0	0	0	0	0	1	0	2	0	10	
L10-L14	Bullous disorders	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	0	2	0	3
L50-L54	Urticaria and erythema	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	2	0	3	
L80-L99	Other disorders of the skin and subcutaneous tissue	0	0	0	2	4	6	0	0	0	0	0	0	2	7	0	9	0	15	
Total		0	2	1	4	9	16	0	0	0	0	0	4	11	0	15	0	31		
M00-M99 Diseases of the musculoskeletal system and connective tissues																				
M00-M25	Arthropathies	0	0	0	1	1	2	0	1	0	0	1	0	1	0	0	3	0	5	
M30-M36	Systemic connective tissue disorders	0	0	2	0	0	2	0	0	0	0	0	2	0	0	0	2	0	4	
M40-M54	Dorsopathies	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2	
M60-M79	Soft tissue disorder	0	0	0	1	1	2	0	0	0	0	0	0	1	1	0	2	0	4	
M80-M94	Osteopathies and chondropathies	0	0	1	1	0	2	0	0	0	0	0	0	0	2	0	2	0	4	
Total		0	0	3	3	2	8	0	1	4	2	4	2	4	0	11	0	19		
N00-N99 Diseases of the genitourinary system																				
N00-N08	Glomerular diseases	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2	
N10-N16	Renal tubulo-interstitial diseases	0	0	1	5	8	14	0	0	0	0	0	0	2	5	0	7	0	21	
N17-N19	Renal Failure	0	0	16	41	84	141	0	2	12	37	43	0	94	0	235	0	235		
N20-N23	Urolithiasis	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
N25-N29	Other disorders of kidney and ureter	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	1	0	2	
N30-N39	Other diseases of urinary system	0	0	0	3	11	14	0	0	0	0	4	0	4	0	0	4	0	18	
N40-N51	Diseases of male genital organs	0	0	0	2	22	24	0	0	0	0	0	0	0	0	0	0	0	24	
N70-N77	Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	2	0	2	
N80-N98	Noninflammatory disorders of female genital tract	0	0	0	0	0	0	0	0	0	1	2	0	3	0	0	3	0	3	
Total		0	0	17	51	127	195	0	2	15	42	54	0	113	0	308				

Appendix 3 Cont'd: Cause of Death By ICD 10 Three-Character Categories List, Sex And Age Group, 2018

ICD 10 Code	Cause of Death	Male						Female						Grand Total						
		<1	1-14	15-44	45-64	65+	N/S	Total	<1	1-14	15-44	45-64	65+		N/S	Total				
		O00-O99 Pregnancy, childbirth and the puerperium																		
O00-O08	Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	18
O10-O16	Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
O20-O29	Other maternal disorders predominantly related to pregnancy	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	2	0	0	3
O30-O48	Maternal care related to the fetus and amniotic cavity and possible delivery problems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	
O60-O75	Complications of labour and delivery	0	0	0	0	0	0	0	0	0	14	1	0	0	0	15	0	0	15	
O85-O92	complications predominantly related to the puerperium	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	0	0	7	
O94-O99	Other obstetric conditions, not elsewhere classified	0	0	0	0	0	0	0	0	0	18	2	0	0	0	20	0	0	20	
Total		0	0	0	1	0	1	0	0	0	70	3	1	0	74	0	0	0	75	
P00-P96 Certain conditions originating in the perinatal period																				
P00-P04	Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
P05-P08	Disorders related to length of gestation and fetal growth	100	1	0	0	0	0	101	79	1	0	0	0	0	0	80	1	0	182	
P20-P29	Respiratory and cardiovascular disorders specific to perinatal period	55	0	0	0	0	0	55	35	0	0	0	0	0	0	35	0	0	90	
P35-P39	Infections specific to the perinatal period	24	0	0	0	0	0	24	18	0	0	0	0	0	0	18	0	0	42	
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	5	0	0	0	0	0	5	3	0	0	0	0	0	0	3	0	0	8	
P75-P78	Digestive system disorders of fetus and newborn	5	0	0	0	0	0	5	5	0	0	0	0	0	0	5	0	0	10	
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	
P90-P96	Other disorders originating in the perinatal period	21	0	0	0	0	0	21	15	0	0	0	0	0	0	15	0	0	36	
Total		211	1	0	0	0	212	156	1	0	70	3	1	0	157	1	0	0	370	
Q00-Q99 Congenital malformations, deformations and chromosomal abnormalities																				
Q00-Q07	Congenital malformations of eye, ear, face and neck	2	0	1	0	0	0	3	7	1	0	0	0	0	0	8	0	0	11	
Q20-Q28	Congenital malformations of the circulatory system	7	4	0	0	0	0	11	4	5	0	0	0	0	9	0	0	0	20	
Q30-Q34	Congenital malformations of the respiratory system	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	
Q38-Q45	Other congenital malformations of the digestive system	1	1	0	0	0	0	2	0	1	0	0	0	0	1	0	0	0	3	
Q60-Q64	Congenital malformations of the urinary system	1	0	0	0	3	0	4	1	1	0	1	0	0	3	0	0	0	7	
Q80-Q89	Other congenital malformations	2	0	0	0	0	0	2	4	0	1	0	0	0	5	0	0	0	7	
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	3	0	0	0	0	0	3	3	0	0	0	0	0	3	0	0	0	6	
Total		16	5	1	0	3	0	25	20	8	1	1	0	0	30	0	0	0	55	

Appendix 3 Cont'd.: Cause Of Death By ICD 10 Three-Character Categories List, Sex And Age Group, 2018

ICD 10 Code	Cause of Death	Male						Female						Grand Total				
		<1	1-14	15-44	45-64	65+	N/S	Total	<1	1-14	15-44	45-64	65+	N/S	Total	N/S		
		Symptoms, signs and abnormal clinical and laboratory findings not elsewhere specified																
R00-R09	Symptoms and signs involving the circulatory and respiratory systems	0	0	0	0	5	0	5	0	0	0	0	1	3	0	4	0	0
R10-R19	Symptoms and signs involving the digestive system and abdomen	0	0	2	2	5	0	9	0	0	3	2	4	0	9	0	0	
R20-R23	Symptoms and signs involving the skin and subcutaneous tissue	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	
R40-R46	Symptoms and signs involving cognition, perception, emotional state and behaviour	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0		
R50-R69	General symptoms and signs	0	2	0	2	1	0	5	1	0	0	2	5	0	8	0	0	
R70-R79	Abnormal findings on examination of blood, without diagnosis	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	
R90-R94	Abnormal findings on diagnostic imaging and in function studies, without diagnosis	0	0	1	1	2	0	4	0	0	0	1	0	1	0	0		
R95-R99	Ill-defined and unknown causes of mortality	3	0	3	3	6	0	15	0	1	4	2	3	0	10	0	0	
Total		3	2	7	9	19	0	40	1	1	7	9	16	0	34	0	0	
V01-Y89	External causes of morbidity and mortality																	
V20-V29	Motorcycle rider injured in transport accident	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	
V40-V49	Car occupant injured in transport accident	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
V50-V59	Occupant of pick-up truck or van injured in transport accident	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	
V80-V89	Other land transport accidents	0	1	12	4	0	0	17	0	0	4	2	0	0	6	0	0	
V98-V99	Other and unspecified transport accidents	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	
W00-W19	Falls	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	
W75-W84	Other accidental threats to breathing	1	0	1	0	1	0	3	0	0	0	0	0	0	0	0	0	
X00-X09	Exposure to smoke, fire and flames	0	1	2	1	2	0	6	1	5	1	0	6	0	13	0	0	
X20-X29	Contact with venomous animals and plants	0	1	0	0	0	0	1	0	2	0	0	0	0	2	0	0	
X40-X49	Accidental poisoning by and exposure to noxious substances	0	2	3	1	1	0	7	3	0	0	0	2	0	5	0	0	
X58-X59	Accidental exposure to other and unspecified factors	0	1	40	11	25	1	78	0	2	8	9	16	0	35	0	0	
X60-X84	Intentional self-harm	0	0	6	1	0	0	7	0	0	2	0	0	0	2	0	0	
X85-Y09	Assault	0	0	6	1	2	0	9	0	0	0	0	1	0	1	0	0	
Y10-Y34	Event of undetermined intent	0	0	1	1	0	0	2	1	0	0	0	0	0	1	0	0	
Y40-Y84	Complications of medical and surgical care	0	1	1	1	0	0	3	0	0	2	1	0	0	3	0	0	
Total		1	8	73	26	31	1	140	5	9	17	12	25	0	68	0	208	
Grand total		279	94	647	784	1004	16	2824	222	101	640	641	850	8	2462	4	5290	

Appendix 4: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of death	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Grand Total
A00-B99	Certain Infectious And Parasitic Diseases																								
A00-A09	Intestinal infectious diseases	4	3	3	22	7	9	1	0	0	4	4	14	3	12	8	1	5	2	0	9	1	6	3	121
A15-A19	Tuberculosis	2	11	3	24	37	11	7	2	5	3	11	31	7	14	10	1	6	1	4	14	3	15	2	224
A30-A49	Other bacterial diseases	1	3	4	18	21	8	6	2	0	1	2	12	4	9	9	0	9	5	2	8	1	7	1	133
A50-A64	Infections with a predominantly sexual mode of transmission	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2
A65-A69	Other spirochaetal diseases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
A80-A89	Viral infections of the central nervous system	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3
B15-B19	Viral hepatitis	0	0	0	2	0	0	0	2	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	7
B20-B24	HIV	23	26	4	63	92	13	13	8	4	13	9	98	36	36	17	12	13	41	14	62	41	35	34	707
B25-B34	Other viral diseases	2	2	3	57	0	4	1	3	1	0	0	0	1	9	4	0	0	0	0	0	1	0	0	88
B35-B49	Mycoses	1	0	1	7	6	0	0	1	0	1	4	3	1	6	2	1	0	4	4	4	4	1	1	52
B50-B64	Protozoal diseases	0	0	0	6	1	1	1	0	0	0	2	2	0	2	2	0	3	0	3	0	1	1	0	25
B65-B83	Helminthiases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
B95-B98	Bacterial, viral and other infectious agents	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total		33	46	46	202	18	46	29	18	22	32	162	52	88	55	15	36	53	27	98	52	65	41	1366	

Appendix 4 Cont'd:: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamitlana	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlhabane	Grand Total
C00-D48 Neoplasms																									
C00-C14	Malignant neoplasms of lip, oral cavity and pharynx	0	0	0	6	6	2	1	0	1	1	0	2	0	3	0	0	1	0	0	2	1	0	0	26
C15-C26	Malignant neoplasms of digestive organs	4	3	1	60	41	6	3	2	3	2	5	32	15	9	6	4	1	2	5	14	6	7	3	234
C30-C39	Malignant neoplasm of respiratory and intrathoracic organs	2	1	0	25	8	1	1	0	0	0	4	8	7	6	2	1	0	1	1	5	4	3	3	83
C40-C41	Malignant neoplasms of bone and articular cartilage	0	0	0	4	2	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	9
C43-C44	Melanoma and other malignant neoplasms of skin	2	0	0	1	7	0	0	0	1	0	2	5	2	4	0	0	2	1	0	2	0	0	0	29
C45-C49	Malignant neoplasms of mesothelial and soft tissue	0	0	0	9	2	0	0	0	0	0	1	4	0	2	3	0	0	1	0	1	0	1	0	24
C50	Malignant neoplasm of breast	0	1	1	11	12	0	2	0	0	1	0	9	4	3	1	1	2	0	0	2	3	5	1	59
C51-C58	Malignant neoplasm of female genital organs	7	5	2	48	49	3	5	0	2	1	6	17	9	11	7	0	3	6	4	7	6	5	6	209
C60-C63	Malignant neoplasm of male genital organs	3	2	1	5	8	2	0	1	0	0	5	5	1	6	1	1	2	2	0	3	3	5	1	57
C64-C68	Malignant neoplasms of urinary tract	0	0	1	3	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	9
C69-C72	Malignant neoplasms of eye, brain and other parts of central nervous system	0	0	0	10	2	0	1	0	0	0	0	5	0	0	0	0	0	1	0	0	0	0	0	19
C73-C75	Malignant neoplasms of thyroid and other endocrine glands	0	0	0	1	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
C76-C80	Malignant neoplasms of ill-defined, secondary and unspecified sites	0	0	0	7	10	1	1	0	1	0	0	1	0	1	3	0	0	0	0	3	3	0	0	31
C81-C96	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	2	0	0	19	18	0	2	0	0	0	0	8	2	2	1	1	0	1	1	2	1	0	0	60
D00-D09	In situ neoplasms	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
D10-D36	Benign neoplasms	0	0	0	6	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	11
D37-D48	Neoplasms of uncertain or unknown behaviour	1	0	0	10	3	0	1	0	0	0	2	1	0	1	0	0	0	0	1	0	0	0	0	20
Total		21	12	6	226	173	15	17	4	8	6	25	98	41	50	25	8	11	17	12	44	27	26	14	886

Appendix 4 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Boblwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamilang	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Grand Total
100-199 Diseases of the circulatory system																									
100-102	Acute rheumatic fever	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
105-109	Chronic rheumatic heart diseases	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
110-115	Hypertensive diseases	8	2	3	73	29	6	4	1	2	2	4	24	17	9	6	7	2	6	4	19	18	11	21	278
120-125	Ischaemic heart diseases	0	0	0	0	2	0	0	0	0	0	0	4	1	0	1	0	0	0	0	0	0	1	0	9
126-128	Pulmonary heart disease and diseases of pulmonary circulation	0	0	0	4	6	2	0	2	0	2	1	2	2	2	0	0	1	0	0	2	0	0	1	27
130-152	Other forms of heart disease	1	3	0	30	13	5	5	1	1	0	7	20	2	19	12	4	14	1	8	7	4	11	0	168
160-169	Cerebrovascular diseases	3	1	1	59	26	10	4	2	1	1	9	21	3	18	7	2	3	3	0	6	4	18	3	205
170-179	Diseases of arteries, arterioles and capillaries	0	0	0	3	3	0	0	0	0	0	1	3	0	1	0	0	0	0	1	0	0	1	0	13
180-189	Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified	0	0	0	4	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	8
195-199	Other and unspecified disorders of the circulatory system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Total		12	7	4	174	82	23	13	6	4	5	22	74	25	50	26	13	20	10	13	36	26	43	25	713
J00-J99 Diseases of the respiratory system																									
J00-J06	Acute upper respiratory infections	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	5
J09-J18	Influenza and pneumonia	9	2	7	76	27	8	7	6	1	1	6	36	4	24	20	5	13	10	6	39	9	13	6	335
J20-J22	Other acute lower respiratory infections	0	0	0	0	1	0	1	0	0	0	3	1	0	1	0	0	1	0	0	0	0	0	0	8
J30-J39	Other diseases of upper respiratory tract	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
J40-J47	Chronic lower respiratory diseases	0	2	0	7	5	7	0	0	0	4	5	22	1	6	3	2	2	3	1	11	8	8	1	98
J60-J70	Lung diseases due to external agents	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	5
J80-J84	Other respiratory diseases principally affecting the interstitium	3	0	0	2	2	1	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	13
J85-J86	Suppurative and necrotic conditions of lower respiratory tract	1	0	0	2	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	7
J90-J94	Other diseases of pleura	1	0	0	1	1	2	0	0	0	1	0	3	1	1	0	0	0	0	1	1	2	0	0	15
J95-J99	Other diseases of the respiratory system	0	0	0	4	3	0	0	0	0	2	1	3	1	1	0	1	0	0	0	1	0	0	0	17
Total		14	5	7	95	42	19	8	9	1	9	16	68	7	36	23	8	16	13	8	53	19	22	7	505

Appendix 4 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Botirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Grand Total	
K00-K92 Diseases of the digestive system																										
K20-K31	Diseases of oesophagus, stomach and duodenum	0	0	0	5	5	1	2	0	1	0	1	4	1	1	2	0	1	0	1	1	0	1	0	0	27
K35-K38	Diseases of appendix	0	0	0	1	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	8
K40-K46	Hernia	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
K50-K52	Noninfective enteritis and colitis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
K55-K63	Other diseases of intestines	0	0	0	17	7	1	0	1	0	0	0	1	1	3	1	0	1	0	1	3	1	1	1	1	40
K65-K67	disease of peritoneum	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	6
K70-K77	Diseases of liver	3	1	1	14	6	2	0	1	0	0	4	13	3	2	4	0	0	4	1	8	3	4	1	1	75
K80-K87	Disorders of gallbladder, biliary tract and pancreas	0	0	0	3	6	0	0	0	0	0	0	6	0	4	0	0	0	0	1	2	0	4	1	1	27
K90-K93	Other diseases of the digestive system	0	0	1	7	4	1	0	0	1	0	2	2	0	2	1	1	1	0	0	3	0	0	0	0	25
K90-K94	Other diseases of the digestive system	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total		3	1	2	53	32	5	2	3	2	0	7	30	5	12	8	1	2	4	4	20	4	10	3	213	

Appendix 4 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Grand Total
L00-L98 Diseases of the skin and subcutaneous tissue																									
L00-L08	Infections of the skin and subcutaneous tissue	0	0	0	2	0	0	0	0	0	0	0	0	0	1	6	0	0	0	1	0	0	0	0	10
L10-L14	Bullous disorders	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
L50-L54	Urticaria and erythema	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3
L80-L99	Other disorders of the skin and subcutaneous tissue	0	0	0	3	2	1	0	0	1	0	3	0	0	0	0	1	0	2	0	0	0	1	1	15
	Total	0	1	0	8	2	1	0	0	1	0	4	1	0	1	6	1	0	2	1	0	0	1	1	31
M00-M99 Diseases of the musculoskeletal system and connective tissues																									
M00-M25	Arthropathies	0	0	0	2	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	5
M30-M36	Systemic connective tissue disorders	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
M40-M54	Dorsopathies	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
M60-M79	Soft tissue disorder	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
M80-M94	Osteopathies and chondropathies	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4
	Total	1	0	0	7	6	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	1	0	0	19
N00-N99 Diseases of the genitourinary system																									
N00-N08	Glomerular diseases	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
N10-N16	Renal tubulo-interstitial diseases	1	0	1	14	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	1	0	0	0	21
N17-N19	Renal Failure	8	2	2	51	38	7	2	1	2	1	9	24	2	9	7	3	5	11	7	13	11	10	10	235
N20-N23	Urolithiasis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
N25-N29	Other disorders of kidney and ureter	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
N30-N39	Other diseases of urinary system	1	1	0	3	0	1	0	0	0	0	0	3	0	1	1	1	0	0	0	3	0	2	1	18
N40-N51	Diseases of male genital organs	0	1	1	6	2	0	1	1	1	0	0	2	0	4	2	0	0	0	0	0	0	2	1	24
N70-N77	Inflammatory diseases of female pelvic organs	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
N80-N98	Noninflammatory disorders of female genital tract	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3
	Total	10	4	4	78	43	8	3	2	3	1	9	31	3	15	10	4	5	11	8	19	11	14	12	308

Appendix 4 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Botswana	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Grand Total
O00-O99	Pregnancy, childbirth and the puerperium																								
O00-O08	Pregnancy with abortive outcome	0	0	0	5	8	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	18
O10-O16	Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	0	0	0	3	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6
O20-O29	Other maternal disorders predominantly related to pregnancy	0	0	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4
O30-O48	Maternal care related to the fetus and amniotic cavity and possible delivery problems	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	5
O60-O75	Complications of labour and delivery	0	0	0	5	5	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	15
O85-O92	complications predominantly related to the puerperium	0	0	0	2	1	1	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	7
O94-O99	Other obstetric conditions, not elsewhere classified	1	0	0	4	5	1	1	0	0	0	1	5	0	1	0	0	0	0	0	1	0	0	0	20
	Total	1	0	0	21	22	3	1	0	0	0	1	14	2	4	2	0	1	2	0	1	0	0	0	75

Appendix 4 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Botswana	Boitlha	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgalleng	Kweneng	Lobatse	Mahalapye	Ngamilang	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Grand Total
P00-P96	Certain conditions originating in the perinatal period																								
P00-P04	Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P05-P08	Disorders related to length of gestation and fetal growth	0	2	2	74	29	0	4	0	2	7	0	32	3	10	5	0	0	0	0	4	4	4	0	182
P20-P29	Respiratory and cardiovascular disorders specific to perinatal period	1	2	0	24	10	0	2	3	1	0	0	18	4	3	9	0	0	1	0	2	4	6	0	90
P35-P39	Infections specific to the perinatal period	0	1	0	25	10	0	1	0	0	0	0	1	1	0	2	0	0	0	0	0	0	1	0	42
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	0	0	0	2	4	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	8
P75-P78	Digestive system disorders of fetus and newborn	0	1	0	2	5	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	10
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P90-P96	Other disorders originating in the perinatal period	2	1	0	16	1	1	0	0	1	0	0	3	2	1	1	1	0	0	0	3	0	2	1	36
	Total	3	7	2	143	60	1	8	3	4	7	0	58	10	14	17	1	0	1	0	9	8	13	1	370
Q00-Q99	Congenital malformations, difformations and chromosomal abnormalities																								
Q00-Q07	Congenital malformations of eye, ear, face and neck	0	0	0	7	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11
Q20-Q28	Congenital malformations of the circulatory system	0	1	0	1	10	1	0	0	0	0	0	5	0	2	0	0	0	0	0	0	0	0	0	20
Q30-Q34	Congenital malformations of the respiratory system	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q38-Q45	Other congenital malformations of the digestive system	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
Q60-Q64	Congenital malformations of the urinary system	0	0	0	1	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	1	1	7
Q80-Q89	Other congenital malformations	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	1	2	0	0	7
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	6
	Total	0	1	0	9	19	1	0	0	1	0	0	8	2	5	1	0	0	0	0	1	4	3	0	55

Appendix 4 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Botirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Grand Total	
R00-R99	Symptoms, signs and abnormal clinical and laboratory findings not elsewhere specified																									
R00-R09	Symptoms and signs involving the circulatory and respiratory systems	0	0	0	2	1	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	9
R10-R19	Symptoms and signs involving the digestive system and abdomen	0	0	0	4	1	0	0	0	0	0	4	3	0	1	1	0	1	0	1	2	0	0	0	0	18
R20-R23	Symptoms and signs involving the skin and subcutaneous tissue	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R40-R46	Symptoms and signs involving cognition, perception, emotional state and behaviour	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2
R50-R69	General symptoms and signs	1	1	0	1	2	1	0	0	0	0	1	1	0	1	1	0	0	1	0	0	0	2	0	0	13
R70-R79	Abnormal findings on examination of blood, without diagnosis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R90-R94	Abnormal findings on diagnostic imaging and in function studies, without diagnosis	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	5
R95-R99	Ill-defined and unknown causes of mortality	0	1	0	3	6	0	0	0	0	0	7	2	0	1	4	0	0	0	1	0	0	0	0	0	25
	Total	1	2	0	12	10	2	0	0	1	0	16	7	0	4	6	0	1	1	2	4	0	5	0	74	

Appendix 4 Cont'd: Cause Of Death By ICD 10 Three-Character Categories List And Health District, 2018

ICD 10 Code	Cause of Death	Botlwa	Botlwa	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Jwaneng	Kgalagadi	Kgalagadi	Kgatleng	Kweneng	Lobatse	Mahalapye	Ngamitlana	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Grand Total	
V01-Y89	External causes of morbidity and mortality																									
V20-V29	Motorcycle rider injured in transport accident	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
V40-V49	Car occupant injured in transport accident	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
V50-V59	Occupant of pick-up truck or van injured in transport accident	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
V80-V89	Other land transport accidents	0	0	0	15	4	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	23
V98-V99	Other and unspecified transport accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
W00-W19	Falls	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
W75-W84	Other accidental threats to breathing	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3
X00-X09	Exposure to smoke, fire and flames	0	1	0	5	5	1	0	1	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	19
X20-X29	Contact with venomous animals and plants	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
X40-X49	Accidental poisoning by and exposure to noxious substances	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	1	0	1	12	
X58-X59	Accidental exposure to other and unspecified factors	1	1	0	41	48	0	0	0	0	0	0	7	1	3	1	1	0	1	2	2	0	2	2	113	
X60-X84	Intentional self-harm	0	0	1	1	1	2	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	9
X85-Y09	Assault	0	1	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Y10-Y34	Event of undetermined intent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	3
Y40-Y84	Complications of medical and surgical care	0	0	0	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	6
Total		2	3	4	71	65	3	0	2	0	1	0	19	2	7	1	1	2	3	2	11	1	3	5	208	
Grand Total		103	51	1197	789	134	86	48	54	149	626	165	318	200	59	105	124	90	332	160	227	120	120	5290		



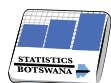
Private Bag 0024, Gaborone
Tel: 3671300 **Fax:** 3952201
Toll Free: 0800 600 200

Private Bag F193,
City of Francistown Botswana
Tel. 241 5848, **Fax.** 241 7540

Private Bag 32
Ghanzi
Tel: 371 5723 **Fax:** 659 7506

Private Bag 47
Maun
Tel: 371 5716 **Fax:** 686 4327

E-mail: info@statsbots.org.bw **Website:** <http://www.statsbots.org.bw>



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