



Botswana Causes of Mortality 2020
Health Facility Mortality Data
Annual Report

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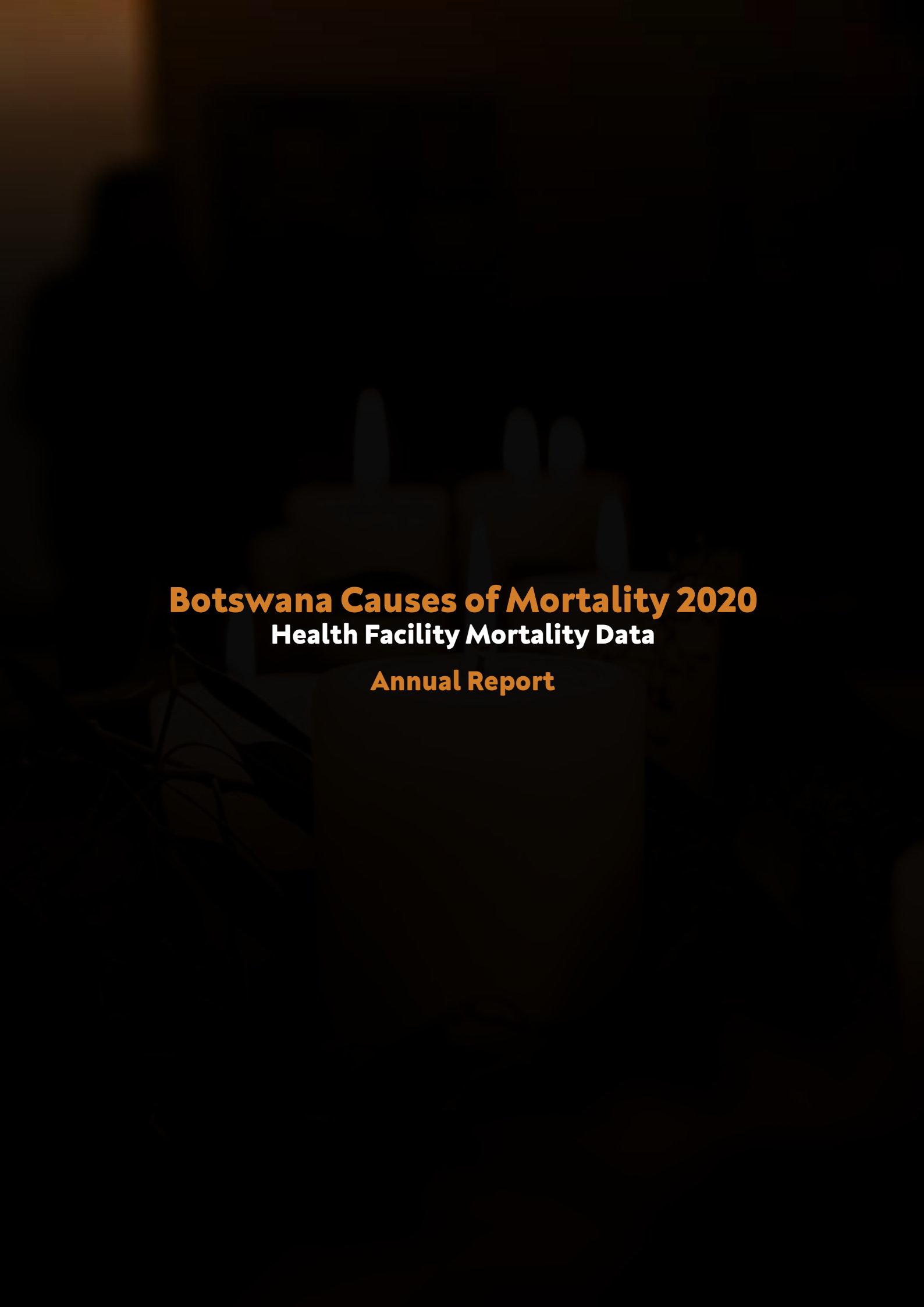
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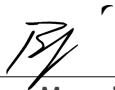
Preface

This publication provides information on In-Patient Mortality data from hospitals of Botswana in 2020. The report presents summary statistics on selected demographic, geographical characteristics and clinical diagnosis. This will help public health officials, health care providers, policy makers and the public in monitoring disease patterns at national and sub national level. Mortality data is also required for planning and operating public health programs and for establishing priorities in biomedical research.

Statistics Botswana's Health Statistics Unit (HSU) is attached to Ministry of Health to provide statistical support and 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.

For more information, contact the Directorate of Stakeholder Relations at 367 1300. 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
November 2023

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1. Introduction

The reporting lines on death 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 report will mainly focus on In-Patient data from Health Facilities. Hospital In-Patient discharge data are one of the richest and valuable sources of health related information. The data presents invaluable information to study the patterns and levels of diseases and conditions in a community.

The report aims at establishing major current trends in hospital-level care data to identify imminent public health issues in Botswana. This will help public health officials, health care providers, policy makers and the general public in monitoring morbidity and mortality patterns at national and sub national level. In particular, in-patient mortality data will also assist in planning and operating public health programs and for establishing priorities in biomedical research for the community.

The statistical brief mainly summarises administrative data from hospital In-Patient discharges of Botswana. Facilities collect data manually (Morbidity, Mortality and Obstetric In-Patient Form (MH017/Rev 2003) or electronically using the Integrated Patients Management System (IPMS). For a discharge alive or referral, information on main condition is filled in. In addition to the main condition, the record also list other conditions or problems dealt with during the episode of health care. Conditions related to an earlier episode that have no bearing on the current episode are not recorded.

The mortality section allows for the 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 decedent 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 underlying cause of death by selected socio-demographic and geographic characteristics for deaths that occurred in health facilities. It also provides trends in mortality over the years (2012–2020). Furthermore the statsbrief present other mortality indicators outlined in previous surveys and mortality statistics from civil registration.

2. Summary of key selected Mortality Indicators

2.1 Selected Key Mortality Indicators

Table 1 shows summary of key selected mortality indicators based on census data from 1971 to 2011. The preliminary estimates show that the population of Botswana was estimated at 2,323,493 for year 2020, with males constituting 49.1 percent compared to 50.9 percent of females. The proportion of infant population and children less than five years were 2.0 percent and 9.7 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 in 2011, Child Mortality Rate decreased from 56 deaths per 1000 population in 1971 to 11 in 2011 and under 5 Mortality decreased from 152 deaths per 1000 livebirths in 1971 to 28. Life expectancy at birth in 1971 was estimated at 56 years and increased to 68 years in 2011.

Table 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)	55.5	56.5	65.3	55.6	68
Males	52.5	52.3	63.3	52	66
Females	58.6	59.7	67.1	57.4	70

Source: Population and Housing Census 2011 Analytical Report

2.2 Deaths Registration (Civil and National Registration)

Table 2 shows the deaths registered in Botswana through the Civil and National Registration system from 2012-2020. These are deaths that occurred and were registered in Botswana for the year 2020 and deaths that occurred in earlier years that were not registered previously. It also provides deaths that occurred in 2020 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 of Botswana. A total of 12,219 deaths were registered in 2020 compared to an estimated 16,214. More than half (51.3 %) of registered deaths occurred in health facilities.

Table 2: Trends in Death registration(civil and National Registration)

Variable	Type	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total Population	No.	2,068,529	2,110,050	2,149,255	2,185,903	2,219,732	2,254,021	2,288,656	2,329,943	2,358,445
Total deaths (projected)	No.	18,329	17,893	17,463	17,079	16,780	16,619	16,506	16,461	16,214
All deaths (registered)	No.	12,270	11,967	12,177	13,030	12,825	12,386	12,609	13,181	12,219
Health Facility	%	55.0	57.4	53.4	54.7	53.8	53.9	52.1	51.7	51.3
Home	%	45.0	42.6	46.6	45.3	46.2	46.1	47.9	48.3	48.7
Death registration	%	67	67	70	76	76	75	76	80.1	75.4
Infant deaths	No.	..	960	1,045	1,012	1,012	998	891	1,096	968
CDR(a)(registered deaths)	Rate	6	6	6	6	6	6	6	5.7	5.2
CDR(projected deaths)	Rate	9	9	8	8	8	7	7	7.1	6.9

Source : Vital Statistics 2020, Statistics Botswana

3. Distribution of In-Patient Deaths

3.1 In-Patient Deaths by District Health Management Teams (DHMT) and Facility Type

Table 3 shows the number and percentage distribution of In-Patient deaths by Health District and facility type. A total of 5,136 deaths were reported in all Health Facilities of Botswana for the year 2020. The highest proportion of registered deaths occurred in Francistown DHMT (22.1%), followed by Gaborone DHMT (16.6%) and Kweneng East DHMT (11.5%). The lowest deaths were recorded from Chobe DHMT (0.7%) followed by North East DHMT(1.0%). Most of the registered deaths were from District Hospitals (41.1%) followed by Referral hospitals (38.3%) and Primary Hospitals (20.6%).

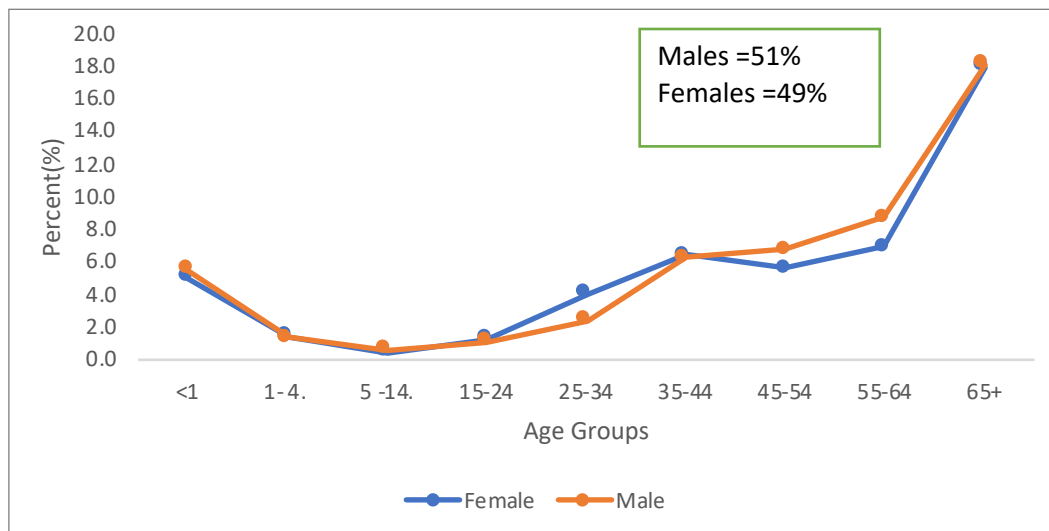
Table 3: Percentage Distribution of Deaths by Health District and Facility type, 2020

DHMT	Facility Type			Total	Percent
	District Hospital	Primary Hospital	Referral Hospital		
Francistown	16	-	1,119	1,135	22.1
Gaborone	2	-	849	851	16.6
Kweneng East	501	90	-	591	11.5
Mahalapye	262	30	-	292	5.7
Ngamiland	287	-	-	287	5.6
Serowe/Palapye	286	-	-	286	5.6
Southern	264	-	-	264	5.1
Kgatleng	144	-	-	144	2.8
Gantsi	-	132	-	132	2.6
South East	127	-	-	127	2.5
Lobatse	122	-	-	122	2.4
Bobirwa Sub	-	119	-	119	2.3
Palapye Sub	-	116	-	116	2.3
Tutume Sub	-	104	-	104	2.0
Boteti Sub	15	93	-	108	2.1
Selibe Phikwe	85	-	-	85	1.7
Kgalagadi North	-	82	-	82	1.6
Kgalagadi South	-	77	-	77	1.5
Goodhope Sub	-	64	-	64	1.2
Okavango	-	64	-	64	1.2
North East	-	52	-	52	1.0
Chobe	-	34	-	34	0.7
Total	2,111	1,057	1,968	5,136	100.0

3.2 Age Sex Distribution of In-Patient Deaths, 2020

The percentage distribution of deaths by age group and sex for the year 2020 from health facilities is shown in **Figure 1**. Proportion of males (51%) was higher than females (49%). The highest registered deaths were amongst those aged 65+(36%), followed by age group 55-64 years(15.6%). The lowest deaths were observed in the age group 5-14 years (1.1%) and 15-24 years (2.4%). The differences between proportions of male and female deaths were minimal at younger ages (from age zero to age group 5-14 years) with males higher than females. The distribution further shows that from ages 15-44 years there were more female deaths as compared to males. At higher ages(45+ years) there were more males than females.

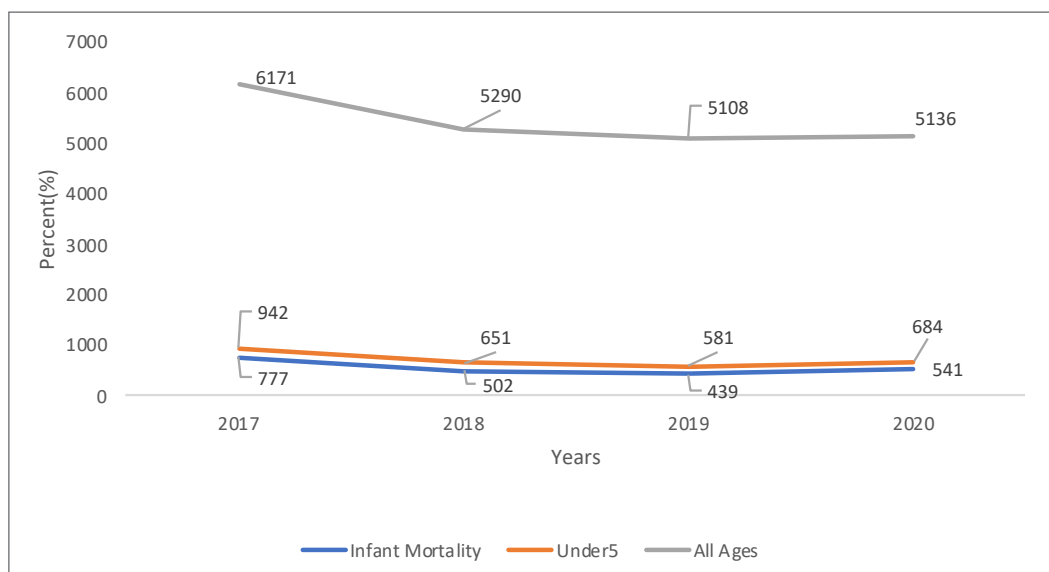
Figure 1: Percentage Distribution of In-Patient Deaths by Age Group and Sex, 2020



3.3 Trends in In-Patient deaths by years

Figure 2 shows In-Patient mortality trend in the number of reported deaths from health facilities from 2017 to 2020. The highest number of deaths were recorded in 2017 across all the categories. The figure also shows that from 2017–2019 number of death were decreasing, however the number of deaths slightly increased in 2020.

Figure 2: Trend in the number of reported Infants, Under-five and Total deaths ,(2017 -2020)



4. Major Causes of In-Patient Deaths

4.1 The ten leading causes of In-Patient Deaths

The distribution of the ten leading causes of In-Patient deaths in 2020 and 2019 is shown in **Table 4**. The ten leading causes of deaths contributed 30.7 percent to all registered deaths in 2020. The highest reported leading cause of death was Unspecified human immunodeficiency virus(HIV) disease(5.4%), followed by Pneumonia, Unspecified(4.8%), and Essential (Primary) hypertension (3.8%). Eight of the ten leading deaths were the same for both 2020 and 2019.

Table 4: The top ten leading causes of death, 2020 & 2019

ICD10 Code	Cause of Death	2020			2019		
		Rank	Number	Percent	Rank	Number	Percent
B24	Unspecified human immunodeficiency virus (HIV) disease	1	277	5.4	3	204	4.0
J18.9	Pneumonia, unspecified	2	248	4.8	1	334	6.5
I10	Essential (primary) Hypertension	3	194	3.8	6	119	2.3
N18.9	Chronic kidney disease, unspecified	4	139	2.7	4	127	2.5
A41.9	Septicaemia, unspecified	5	135	2.6	2	242	4.7
I50.0	Congestive heart failure	6	128	2.5			
I64	Stroke, not specified as haemorrhage or infarction	7	125	2.4	5	126	2.5
R99	Other ill – defined and unspecified causes of mortality	8	121	2.4	8	104	2.0
C53.9	Cervix uteri, unspecified	9	107	2.1	7	107	2.1
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	10	104	2.0			
A16.2	Tuberculosis of lung, without mention of bacteriological or histological confirmation				9	100	2.0
B20.0	HIV disease resulting in mycobacterial infection				10	96	1.9
	Causes Specified above		1,578	30.7		1,559	30.5
	Other causes		3,558	69.3		3,549	69.5
	All diseases and conditions		5,136	100.0		5,108	100.0

4.2 The ten leading causes of In-Patient Deaths by Sex (All).

The distribution of the ten reasons for In-Patient Mortality by male and female in 2020 is shown in Table 5. The ten leading causes of male deaths contributed to 31.2 percent to all male deaths. Similarly, the ten leading causes of death for females contributed 33.9 percent among all females. Pneumonia, Unspecified(5.6%) was the leading cause of In-Patient death among males, followed by Unspecified human immune deficiency virus (HIV) Disease(5.4%) and Essential (Primary Hypertension(3.6). Unspecified human immune deficiency virus (HIV) disease(5.4%) was ranked first amongst females, followed by Cervix uteris, Unspecified(4.2%) and Pneumonia, unspecified (4.0%).

Table 5: The ten leading causes of In-Patient Deaths by Sex, 2020

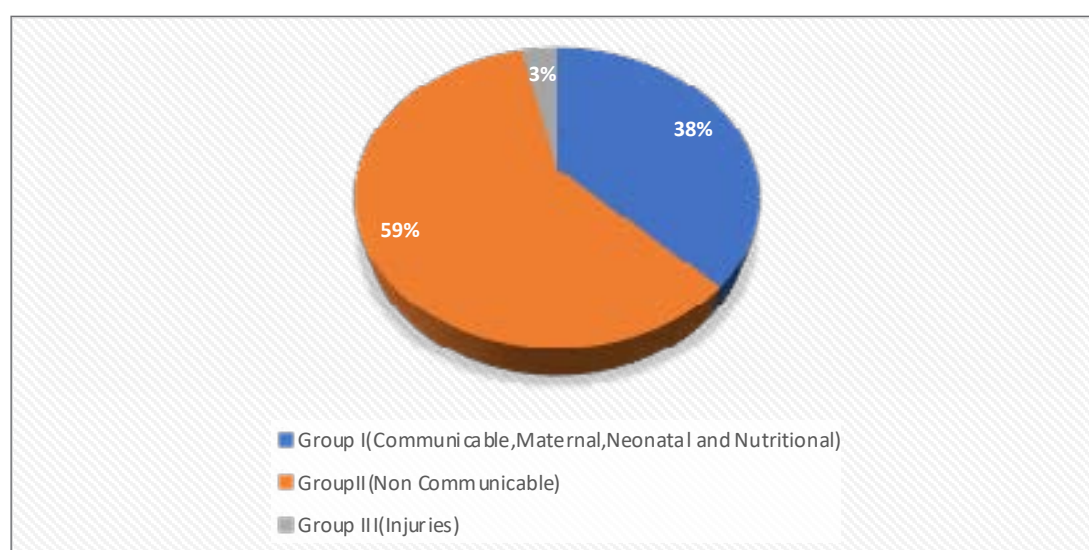
ICD10 Code	Diagnosis/Condition	Males			Females		
		Ranks	No.	%	Ranks	No.	%
J18.9	Pneumonia, Unspecified	1	147	5.6	3	101	4
B24	Unspecified human immunodeficiency virus (HIV) disease	2	142	5.4	1	135	5.4
I10	Essential (Primary) Hypertension	3	95	3.6	4	99	3.9
A16.2	Tuberculosis of lung, without mention of bacteriological or histological confirmation	4	79	3	-	-	-
N18.9	Chronic Kidney disease, Unspecified	5	74	2.8	9	66	2.6
A41.9	Sepsis, Unspecified	6	60	2.3	5	75	3
I50.0	Congestive heart failure	7	59	2.3	7	67	2.7
C15.9	Oesophagus, Unspecified	8	54	2.1	-	-	-
J44.9	Chronic obstructive pulmonary disease, Unspecified	9	54	2.1	-	-	-
R99	Other ill-defined and Unspecified causes of mortality	10	54	2.1	8	67	2.7
C53.9	Cervix uteri, Unspecified	-	-	-	2	107	4.2
I64	Stroke, not specified as haemorrhage or infarction	-	-	-	6	73	2.9
C50.9	Breast, Unspecified	-	-	-	10	62	2.5
Causes Specified above			818	31.2		854	33.9
Other causes			1,800	68.8		1,664	66.1
All diseases and conditions			2,618	100		2,518	100

5. Major groups of In-Patient Deaths as per the Global Burden of Disease

5.1 Distribution of In-Patient Deaths according to Global Burden of Disease-2020

The nineteen ICD-10 chapters used in the reporting of information on underlying causes of death can be further classified into three groups of causes of death as per the Global Burden of Disease cause list: Group I (Communicable diseases, Maternal and perinatal causes, birth trauma and Nutritional condition), Group II (Non-communicable diseases) and Group III (External causes of mortality). **Figure 3** shows that in 2020 most of the deaths were from Group II (59%), followed by Group I (38%) and the least were from Group III (3%).

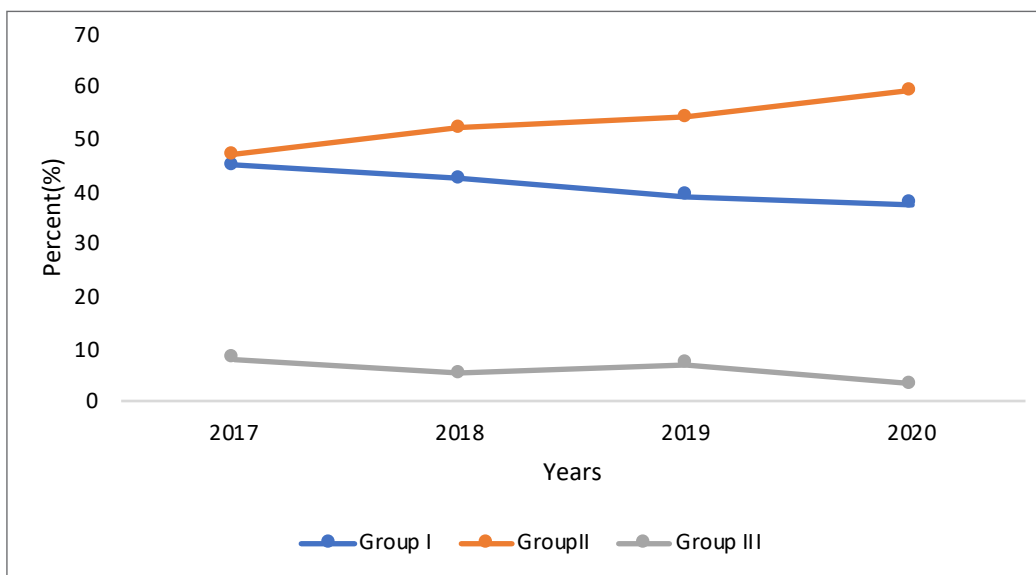
Figure 3: Underlying causes of death per the Global Burden of Diseases, 2020



5.2 Distribution of In-Patient Deaths over the years as per Group type - 2017-2020

Figure 4 shows the proportion of deaths by group type and year of death. The pattern shows an epidemiological change with deaths resulting mainly from non-communicable diseases outnumbering other groups. In the past four years (2017–2020), there has been a notable digression in the causes of death away from infectious diseases towards non-communicable diseases. Proportion of deaths due to communicable diseases (group I) decreased from 47 percent (2017) to 37 percent (2020) while that of non-communicable diseases (Group II) increased from 47 percent (2017) to 59 percent (2020). Deaths due to External causes of injuries are relatively the same (under 10%) for all the years.

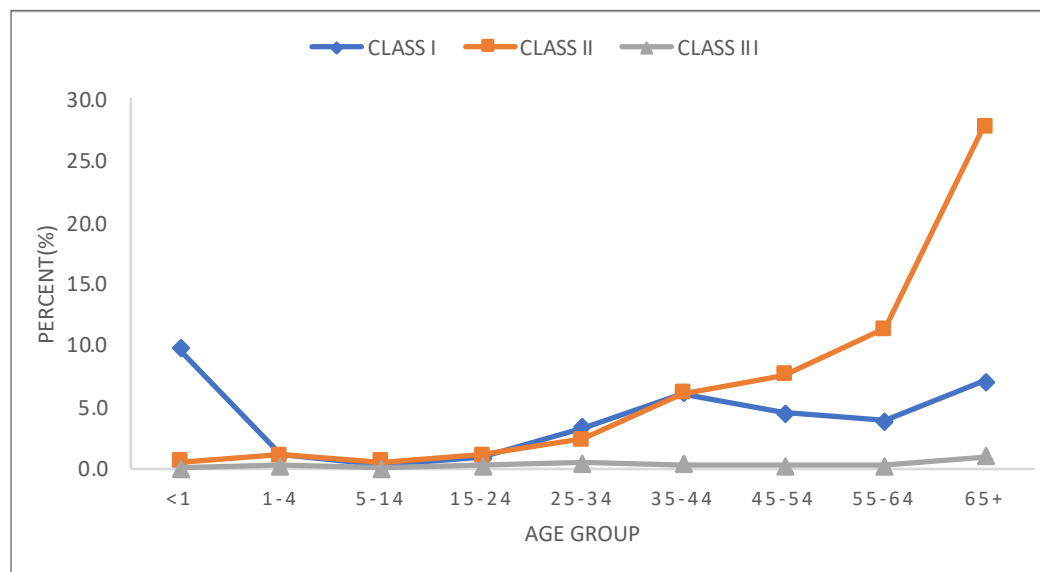
Figure 4: Underlying causes of death per the Global Burden of Diseases, 2017-2020



5.3 Distribution of In-Patient Deaths by Group type and Age Group

Figure 5 shows the percentage distribution of causes of death by group type and age group. Group I causes (communicable diseases, maternal, perinatal and nutritional conditions) were high among children aged 0 to 4 years (26%) followed by 65+ (19%) and the third peak is observed among the 35-44 years age group. These deaths were lowest at 5-14 years age group. For Group II (Non communicable diseases) deaths increases with age until they reach a peak at age group 65+ where close to half (47%) of all Non communicable diseases related deaths occur. Non communicable deaths are generally lowest in ages 0-24 years age group. The proportion of deaths among group III (External causes of Injuries) was generally the same among all age groups except 65+ where a small rise is observed.

Figure 5: Percentage distribution of In-Patient deaths by Group type and Age Group



6. Major causes of In-Patient Deaths among neo-nates (Broad age categories).

Table 6 shows the leading underlying cause of death among neonates. Neonates constitute 10.5 percent of all deaths nationwide. The top ten constitutes 69.3 percent of all neonatal deaths. Bacterial Sepsis of newborn, unspecified was the leading cause of mortality (13.6%), followed by Other preterm infants (12.5%) and the third leading condition was Extremely low birth weight (10.5%).

Table 6 : Major Causes of Neonatal Mortality,in Botswana ,2020

Rank	ICD 10 Code	Diagnosis/Condition	Number	Percent
1	P36.90	Bacterial sepsis on newborn, Unspecified	61	13.6
2	PO7.3	Other preterm infants	56	12.5
3	PO7.0	Extremely low birth weight	47	10.5
4	P22.00	Respiratory distress syndrome of newborn	40	8.9
5	P91.60	Hypoxic ischaemic encephalopathy of new born	23	5.1
6	P21.00	Severe birth asphyxia	22	4.9
7	AO9.0	Other and unspecified gastroenteritis and colitis of infectious origin	21	4.7
8	P22.90	Respiratory distress of newborn, unspecified	18	4.0
9	R99	Other ill defined and unspecified causes of mortality	14	3.1
10	P21.90	Birth asphyxia, unspecified	9	2.0
Causes Specified above			311	69.3
Other causes			138	30.7
All diseases and conditions			449	100.0

Annex 1, shows the leading causes of death among the other broad age group categories. Among the Under 1 broad age group category the leading cause of death was Other and unspecified gastroenteritis and colitis of infectious origin (19.6%), followed by Pneumonia, unspecified (16.3%) and the third was Volume depletion (6.5%). The top ten deaths among under 1 constituted 65.2 percent.

Among the **5-14 years** broad age group category, the leading cause of death was the same as that for under 1 year. Other and unspecified gastroenteritis and colitis of infectious origin (10.5%) was leading followed by Pneumonia, unspecified (8.5%) and the third was Volume depletion (5.5%). The top ten admissions among under 5 constituted 43.5 percent.

For the broad age group **15-44 years** Unspecified Human immunodeficiency virus (HIV) disease (8.6%) was leading, followed by HIV disease resulting in mycobacterial infection (4.3%) and the third was Pneumonia, unspecified (3.5%). The top ten conditions among 15-44 years constituted 33.9 percent.

The major cause of death for the age group **45-64 years** was Unspecified Human Immunodeficiency Virus (HIV) disease (8.6%), followed by Pneumonia Unspecified (4.0%) and the third was Essential (primary) Hypertension (3.7%). The top ten conditions among 45-64 years constituted 34.1 percent.

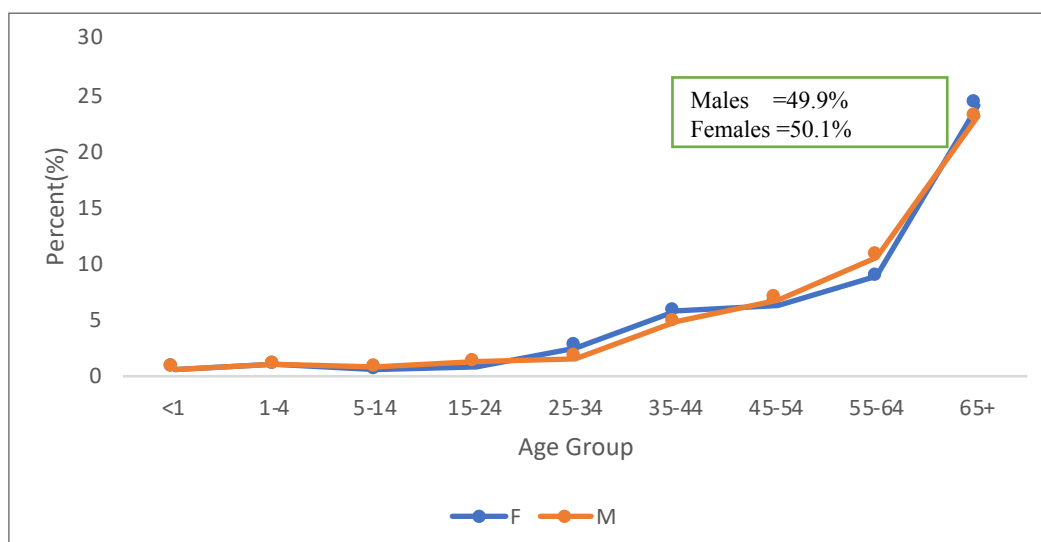
Among the aged population (**65+**) the major condition was Essential (primary) Hypertension (6.7%), followed by Pneumonia, Unspecified (6.6%) and the third was Stroke, Unspecified as haemorrhage or infarction (5.0%). Eight of the top ten leading causes of deaths in this age group are Non Communicable diseases. The top conditions among 65+ years constituted 37.7 percent.

7. In-Patient Deaths associated with Non-Communicable diseases

7.1 Age sex distribution of In-Patient Deaths with Non-communicable diseases

The percentage distribution by age and sex among deaths associated with Non Communicable diseases for the year 2020 is shown in **Figure 6**. Half of the deaths were males. The highest deaths were amongst those aged 65+ years (46.9%) followed by 55-64 years (19.2%) and those aged 45-54 years (12.9%). The lowest recorded deaths were in the 0-14 years age group. Generally the graph shows that there were less deaths associated with Non-Communicable diseases in lower ages and more in older ages. Deaths associated with Non-Communicable diseases increased as age increases. There is generally less variation between males and females over the age groups.

Figure 6: Age Sex Distribution of Deaths from Non-communicable Diseases



7.2 Major causes of In-Patient Deaths with Non-Communicable Diseases

The distribution of the ten leading causes of deaths associated with non-communicable diseases in 2020 is shown in **Table 7**. The ten leading causes contributed 35.0 percent to all deaths. The highest number of reported deaths were caused by Essential (primary) hypertension (6.6%), followed by Chronic Kidney disease, Unspecified (4.8%), and Congestive heart failure (4.4%). The least among the ten leading causes of death among the population with Non-Communicable Diseases, was Bronchus or lung Unspecified at 1.8 percent.

Table 7: Major Causes of Death from non-communicable diseases, 2020

Rank	ICD10 Code	Disease/Diagnosis	Number	Percent
1	I10	Essential (primary) hypertension	194	6.6
2	N18.9	Chronic kidney disease, unspecified	139	4.7
3	I50.0	Congestive heart failure	128	4.4
4	I64	Stroke, not specified as haemorrhage or infarction	125	4.3
5	C53.9	Cervix uteri, Unspecified	107	3.7
6	D64.9	Anaemia, Unspecified	80	2.7
7	C15.9	Oesophagus, Unspecified	75	2.6
8	C50.9	Breast, Unspecified	63	2.2
9	J44.9	Chronic obstructive pulmonary disease, unspecified	62	2.1
10	C34.9	Bronchus or lung, unspecified	52	1.8
Causes Specified above			1,025	35.0
Other causes			1,903	65.0
All diseases and conditions			2,928	100.0

7.3 Major causes of In-Patient Deaths Associated with Non-Communicable Diseases by Sex

Table 8 shows the distribution of the ten leading causes of Mortality associated with non-communicable diseases stratified by males and females, in 2020. The ten leading causes of female's death contributed 40.5 percent to all female deaths. Similarly, the ten leading causes for males deaths contributed 37.4 percent to all male death. Cervix Uteri, Unspecified was the leading cause of death among females (7.3%), followed by Essential (Primary) Hypertension (6.4%). Among males the leading non-communicable disease was Essential (Primary) Hypertension (6.5%) then Anaemia, unspecified (5.1%). The least cause of death for both Males and Females was caused by Hepatic failure, Unspecified at 1.7 percent and 1.8 percent respectively.

Table 8: Main causes of death from Non-Communicable diseases by Sex, Botswana, 2020

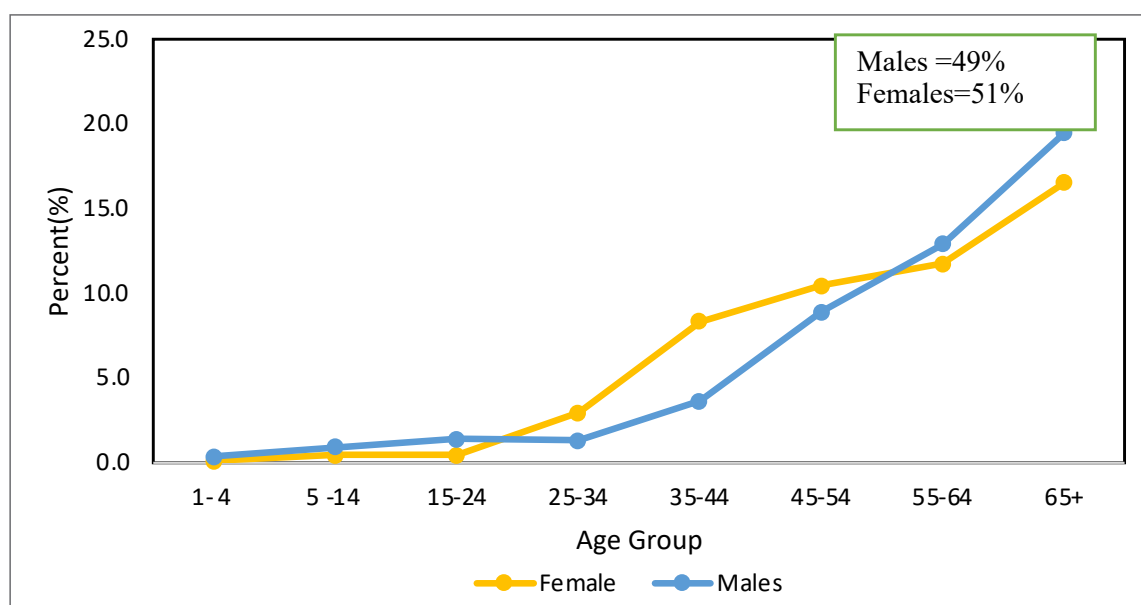
ICD10 Code	Diagnosis/Conditions	Male			Female		
		Rank	No.	%	Rank	No.	%
I10	Essential (primary) hypertension	1	95	6.5	2	99	6.7
N18.9	Anaemia, Unspecified	2	74	5.1	5	66	4.5
I50.0	Congestive heart failure	3	59	4	4	69	4.7
C15.9	Oesophagus, Unspecified	4	54	3.7	-	-	-
J44.9	Chronic obstructive pulmonary disease, Unspecified	5	54	3.7	-	-	-
I64	Stroke, not specified as haemorrhage or infarction	6	52	3.6	3	73	5.0
C61	Malignant neoplasm of prostate	7	46	3.2	-	-	-
D64.9	Anaemia, Unspecified	8	44	3	7	36	2.5
C34.9	Bronchus or lung, Unspecified	9	42	2.9	-	-	-
K72.9	Hepatic Failure, Unspecified	10	25	1.7	10	26	1.8
C53.9	Malignant Neoplasm of Cervix uteri,unspecified	-	-	-	1	107	7.3
C50.9	Malignant Neoplasm of Breast unspecified	-	-	-	6	62	4.2
N17.9	Acute renal Failure	-	-	-	8	31	2.1
I11.0	Hypertensive heart disease with (congestive) heart failure	-	-	-	9	26	1.8
Top Ten Total			545	37.4		595	40.5
Other Causes total			914	62.6		874	59.5
Grand Total			1,459	100		1,469	100.0

8. In-Patient Deaths associated with Neoplasms

8.1 Age sex distribution of In-Patient deaths with Malignant Neoplasm

The percentage distribution of In-Patient deaths with malignant neoplasm by age and sex for the year 2020 from health facilities is shown in Figure 7. Proportion of females (51%) was higher than males (49%). The number of patients who died from cancer was relatively minimal among young age groups (1-24 years). The highest In-Patient deaths were amongst those aged 65+ years (36%) followed by 55-64 years (24.6%) and 45-54(19.3%). Generally, the number of deaths increases as age increases. The distribution further shows that from ages 25-54 years there were more female deaths than males. Whereas there were more males than females deaths in subsequent years.

Figure 7: Age sex distribution of Deaths associated with Malignant Neoplasm (Cancers),2020



8.2 Major Causes of In-Patient Deaths with Neoplasms

The distribution of the ten leading causes of deaths associated with cancer in 2020 is shown in **Table 9**. The ten leading conditions contributed 54.4 percent of all cancer deaths. The highest reported leading condition was Malignant neoplasm of Cervix uteri, unspecified (12.5%), followed by Oesophagus, unspecified (8.8) and Breast, unspecified (7.4%).

Table 9: The ten leading causes of death from Neoplasms, 2020

Rank	ICD 10 Code	Diagnosis/Condition	Number	Percent
1	C53.9	Malignant neoplasm of Cervix uteri, unspecified	107	12.5
2	C15.9	Oesophagus, unspecified	75	8.8
3	C50.9	Breast, unspecified	63	7.4
4	C34.9	Bronchus or lung, unspecified	52	6.1
5	C61	Malignant neoplasm of prostate	46	5.4
6	C85.9	Non- Hodgkin lymphoma, unspecified	27	3.2
7	C22.9	Liver, unspecified	26	3.0
8	C18.9	Colon, unspecified	24	2.8
9	C90.0	Multiple myeloma	23	2.7
10	C22.0	Liver cell carcinoma	21	2.5
Causes Specified above			464	54.4
Other causes			389	45.6
All diseases and conditions			853	100.0

8.3 Major causes of deaths with Neoplasm by sex, 2020

Table 10 shows the distribution of the ten leading causes of death from cancers among males and females in 2020. The ten leading causes of female deaths contributed 63.9 percent to all females death in this subgroup. Similarly, the ten leading causes for males contributed 56.7 percent to all male deaths. Cervix uteri, unspecified (24.6%) was the leading cancer deaths among females (24.6%) followed by Breast, Unspecified (14.3%) and Oesophagus, unspecified (4.8%). Among males, the leading cancer killer was Oesophagus, Unspecified (12.9%) followed by malignant neoplasm of Prostate (11.0%), then Bronchus or lung , Unspecified (10.0%).

Table 10: The ten leading causes of death among cancer by sex, 2020

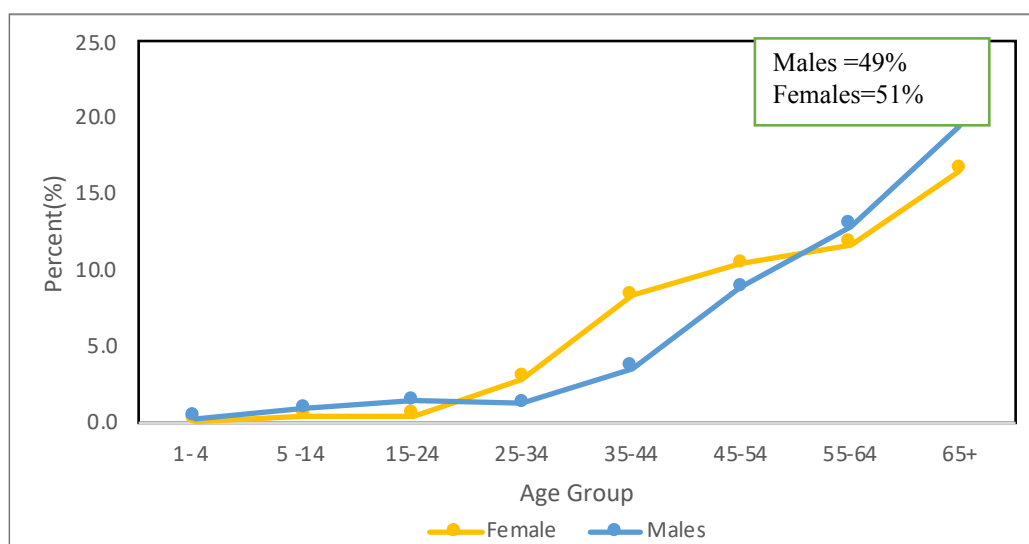
ICD 10 Code	Diagnosis/Condition	Females			Males		
		Rank	No.	%	Rank	No.	%
C53.9	Cervix uteri, Unspecified	1	107	24.6	-	-	-
C50.9	Breast, Unspecified	2	62	14.3	-	-	-
C15.9	Oesophagus, Unspecified	3	21	4.8	1	54	12.9
C54.1	Endometrium	4	19	4.4	-	-	-
C22.9	Liver, Unspecified	5	15	3.4	9	11	2.6
C56	Malignant neoplasm of ovary	6	14	3.2	-	-	-
C18.9	Colon, Unspecified	7	11	2.5	7	13	3.1
C34.9	Bronchus or lung, Unspecified	8	10	2.3	3	42	10
C90.0	Multiple myeloma	9	10	2.3	8	13	3.1
C25.9	Pancreas, Unspecified	10	9	2.1	-	-	-
C61	Malignant neoplasm of prostate	-	-	-	2	46	11
C85.9	Non-hodgkin lymphoma, Unspecified	-	-	-	4	19	4.5
C22.0	Liver cell carcinoma	-	-	-	5	14	3.3
C60.9	Penis, Unspecified	-	-	-	6	14	3.3
C32.9	Larynx, Unspecified	-	-	-	10	11	2.6
Top Ten Total			278	63.9		237	56.7
Other total			157	36.1		181	43.3
Grand Total			435	100		418	100

9. In-Patient deaths associated with External Causes of Injuries

9.1 Age Sex Distribution of In-Patient Deaths with External Causes of Injuries

The percentage distribution of deaths from injuries by age and sex for the year 2020 from health facilities is shown in **Figure 8**. Proportion of deaths amongst males (62.3%) was higher than females (37.7%). The highest deaths were amongst those aged 65+ years (31.7%) followed by 25-34 years (15.6%). The lowest deaths were among the <1 and 1-4 years at 2.4 percent and 3.0 percent respectively.

Figure 8: Age Sex Distribution of injuries among In-Patient Deaths, 2020



9.2 Main causes of In-Patient Deaths with External Causes of Injuries

The Distribution of the ten leading causes of death with injuries in 2020 is shown in **Table 11**. The ten leading conditions contributed 86.8 percent of all deaths from injuries. Person injured in unspecified motor-vehicle accident, traffic (20.4%) was the leading injury, followed by Exposure to unspecified factor causing other and unspecified injury (19.2%), and Exposure to unspecified smoke, fire and flames (16.8%). Other causes of injuries are shown in Annex 4.

Table 11: The ten most frequent conditions for Deaths with External Causes of Injuries

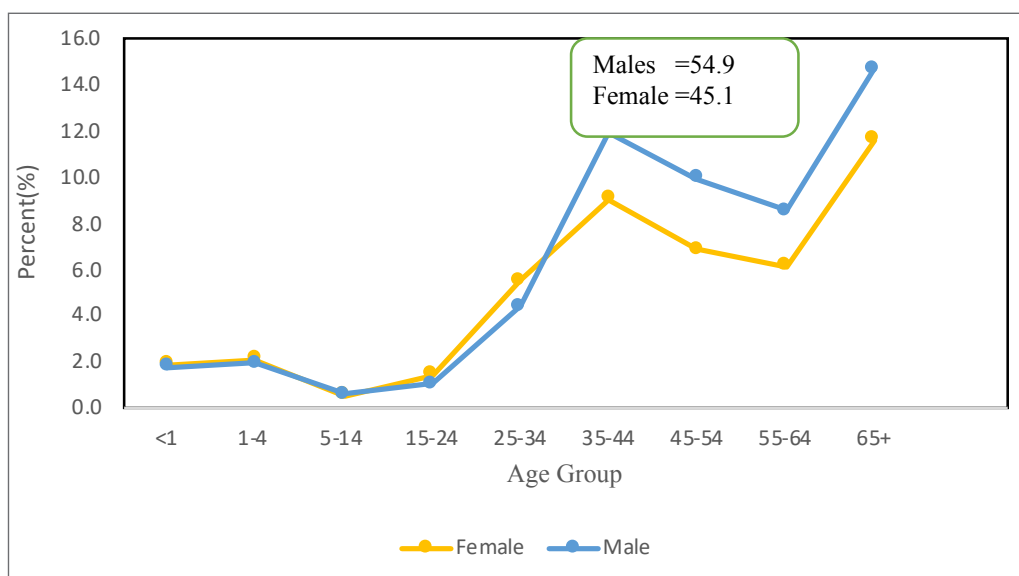
Rank	ICD 10 Cde	Disease/Condition	Number	Percent
1	V89.2	Person injured in unspecified motor-vehicle accident, traffic	34	20.4
2	X59.9	Exposure to unspecified factor causing other and unspecified injury	32	19.2
3	X09.9	Exposure to unspecified smoke, fire and flames	28	16.8
4	X59.0	Exposure to unspecified factor causing fracture	15	9
5	W19.9	Unspecified fall	11	6.6
6	Y09.9	Assault by unspecified means	9	5.4
7	X99.9	Assault by sharp object	7	4.2
8	X22.9	Contact with scorpions	4	2.4
9	X68.9	Intentional self – poisoning by and exposure to pesticides	3	1.8
10	W74.9	Unspecified drowning and submersion	2	1.2
Top ten Total			145	86.8
Other			22	13.2
Grand Total			167	100

10. In-Patient Deaths associated with Infectious Diseases

10.1 Age-Sex Distribution of In-Patient Deaths associated with Infectious Diseases

The percentage distribution of deaths from infectious diseases by age and sex for the year 2020 from as reported in health facilities is shown in **figure 9**. Generally the proportion of males deaths (54.9%) was higher than that of females (45.1%). The highest mortality were amongst those aged 65+ years (26.2%) followed by 35-44 years (21%) and 45-54 years (16.8%). The lowest deaths were observed under the unspecified age group at 0.1 percent, followed by 5-14 years (1.1%). The distribution further reflect that among those aged 35-65+, there were more male deaths as compared to that of females.

Figure 9: Age Sex Distribution Deaths from Infectious Diseases,2020



10.2: Major causes of In-Patient Deaths from infectious diseases

The distribution of the ten leading causes of death among infectious diseases in 2020 is shown in **Table 12**. The ten leading infectious diseases contributed 81.2 percent of all the infectious diseases caused deaths. The leading infectious disease was Unspecified human immunodeficiency virus(HIV) disease contributing 20.7 percent of all infectious diseases related deaths, followed by Pneumonia, unspecified (18.5%) and Sepsis,unspecified (10.1%).

Table 12: Top ten leading infectious Diseases, 2020

Ranks	ICD1 CODE	Diagnosis	Number	Percentages
1	B24	Unspecified human immunodeficiency virus(HIV) disease	277	20.7
2	J18.9	Pneumonia, unspecified	250	18.7
3	A41.9	Sepsis,unspecified	134	10.0
4	A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	113	8.5
5	A16.2	Tuberculosis of lung, without mention of bacteriological or histological confirmation	101	7.6
6	B20.0	HIV Disease resulting in mycobacterial infection	80	6.0
7	B45.1	Cerebral cryptococcosis	51	3.8
8	B20.6	HIV disease resulting in Pneumocystis jirovecii pneumonia	50	3.7
9	G03.9	Meningitis, unspecified	20	1.5
10	B22.0	HIV disease resulting in encephalopathy	19	1.4
Top Ten Total			1,095	82.0
Other total			241	18.0
Grand Total			1,336	100.0

10.3: Major Causes of In-Patient Deaths among Infectious Diseases by Sex and Age group

Table 11 below shows the distribution of the ten leading deaths associated with infectious diseases among males and females in 2020. The top ten leading deaths among males contributed 82.9 percent to all male deaths due to infectious diseases. Similarly, the top ten leading deaths among Females contributed 80.4percent to all related deaths. . The most leading infectious disease among males was Pneumonia, Unspecified (20.0%) followed by Unspecified human immunodeficiency virus(HIV) disease (19.3%)and Tuberculosis of lungs, without mention of bacteriological or histological confirmation. The most leading among females was Unspecified human immunodeficiency virus(HIV) disease (22.3%) followed by Pneumonia, Unspecified (17.2%) and Sepsis, Unspecified(12.4%).

Table 13: The ten Leading Infectious Diseases by Sex, 2020

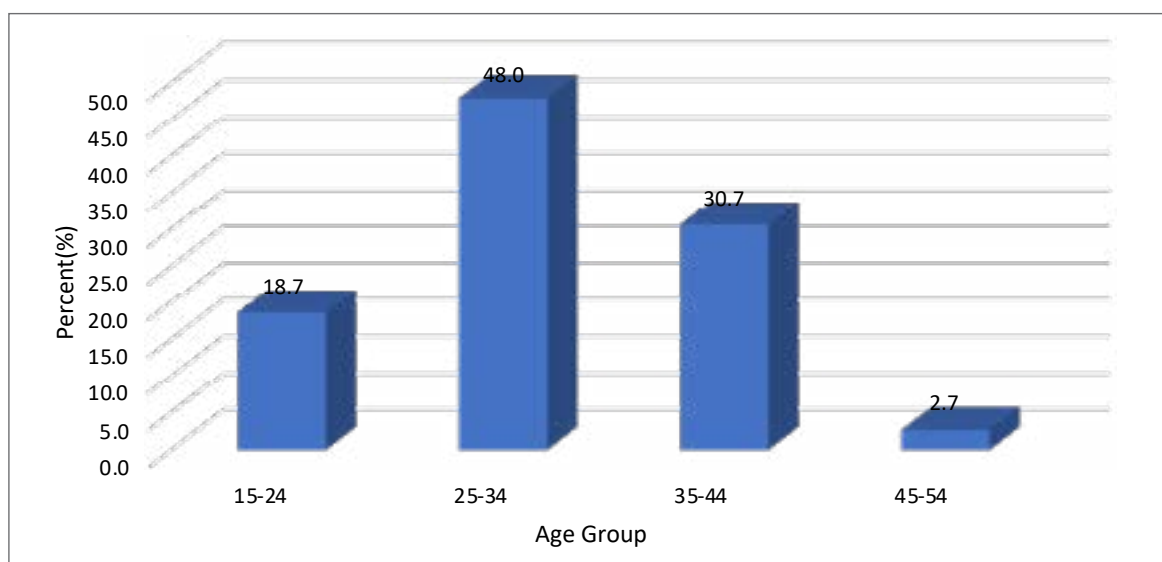
ICD10 CODES	Diagnosis	Males			Females		
		Rank	Number	Percent	Rank	Number	Percent
J18.9	Pneumonia, Unspecified	1	146	20.0	2	104	17.2
B24	Unspecified human immunodeficiency virus(HIV) disease	2	142	19.4	1	135	22.3
A16.2	Tuberculosis of lungs,without mention of bacteriological or histological confirmation	3	79	10.8	7	22	3.6
A41.9	Sepsis, Unspecified	4	59	8.1	3	75	12.4
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	5	54	7.4	4	59	9.8
B20.0	HIV disease resulting in mycobacterial infections	6	49	6.7	5	31	5.1
B45.1	Cerebral cryptococcosis	7	36	4.9	8	15	2.5
B20.6	HIV disease resulting in Pneumocystis jirovecii pneumonia	8	20	2.7	6	30	5.0
G03.9	Meningitis, Unspecified	9	14	1.9	-	-	-
A17.0	Tuberculosis meningitis	10	9	1.2	-	-	-
B59	Pneumocystosis	-	-	-	9	14	2.3
B22.0	HIV disease resulting in encephalopathy	-	-	-	10	11	1.8
Total top ten			608	83.2		496	82.0
Others			123	16.8		109	18.0
Grand Total			731	100.0		605	100.0

11. In-Patient Maternal deaths

11.1 Distribution of Maternal deaths by Age Group

The distribution of Maternal deaths by age group in 2020 is shown in **Figure 10** below. A total of 75 maternal deaths were reported in 2020. The age group with most maternal deaths was 25–35 (46.3 %), followed by age group 35–45 (31.7 %) and age group 15–25 (19.5%). The least number of maternal death were observed among the 45–55 years age group at 2.4 percent. The figure also reflects a decrease in the number of maternal deaths after the ages of 35 years.

Figure 10: Distribution of causes of Death from Maternal conditions by age group,2020



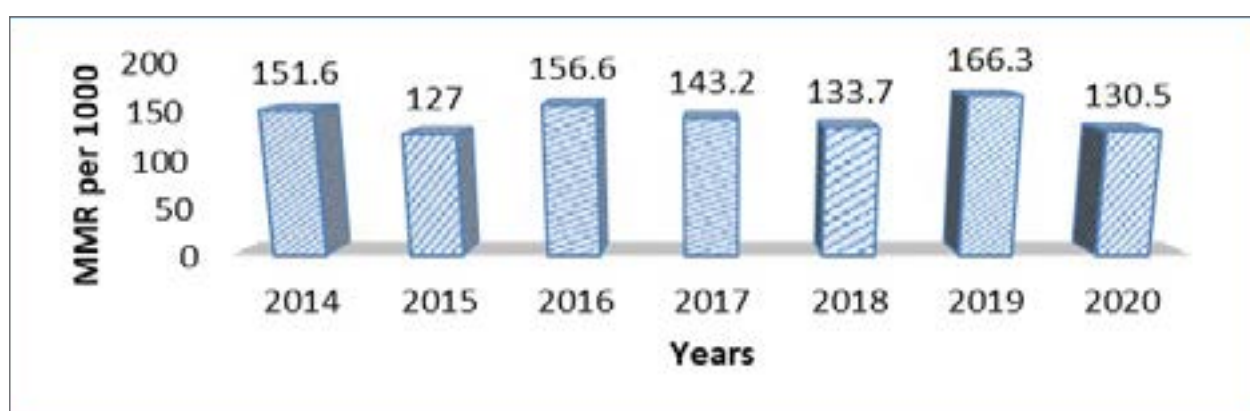
11.2 Maternal Mortality Ratio

Botswana Maternal Mortality Ratio for the period 2015 to 2020 is shown in **Table 14** and **Figure 11** below. The MMR decreased from 166.3 to 130.5 per 100,000 live-births between 2019 and 2020. Over the years the MMR has been fluctuating with the highest in 2019 (166.3) and the lowest in 2015 (127.0)

Table 14: Botswana Maternal Mortality Ratio 2014-2020

	2014	2015	2016	2017	2018	2019	2020
Institutional live births	47,273	57,290	54,159	52,242	52,999	52,206	58,146
Non-Institutional live-births	205	190	108	116	117	98	98
Total live-births	47,478	57,480	54,267	52,358	53,115	52,304	58,244
Maternal Deaths	72	73	85	75	71	87	76
Maternal Mortality Ratio (per 100,000 live-births)	151.6	127	156.6	143.2	133.7	166.3	130.5

Figure 11: Botswana Maternal Mortality Ratio 2014-2020



12. ANNEXES

Annex 1: The ten leading causes of Inpatient Deaths by broad age groups, 2020

ICD 10 Code	Diagnosis	<1			1-14			15-44			45-64			65+		
		Rank	No.	%	Rank	No.	%	Rank	No.	%	Rank	No.	%	Rank	No.	%
A09.0	Other and unspecified gastroenteritis and colitis of infectious origin	1	18	19.6	1	21	10.5	9	21	1.9	-	-	-	8	38	2.1
J18.9	Pneumonia, unspecified	2	15	16.3	2	17	8.5	3	39	3.5	2	58	4.0	2	121	6.6
E43	Unspecified severe protein-energy malnutrition	3	6	6.5	3	11	5.5	-	-	-	-	-	-	-	-	-
A41.9	Septicaemia, unspecified	4	5	5.4	4	11	5.5	8	24	2.2	8	29	2.0	6	67	3.6
E46	Unspecified protein-energy malnutrition	5	3	3.3	5	10	5.0	-	-	-	-	-	-	-	-	-
I50.0	Congestive heart failure	6	3	3.3	8	3	1.5	-	-	-	-	-	-	4	76	4.1
K72.9	Hepatic encephalopathy	7	3	3.3	9	3	1.5	-	-	-	-	-	-	-	-	-
G91.9	Hydrocephalus, unspecified	8	3	3.3	-	-	-	-	-	-	-	-	-	-	-	-
J18.0	Bronchopneumonia, unspecified	9	2	2.2	-	-	-	-	-	-	-	-	-	-	-	-
J69.0	Pneumonitis due to food and vomit	10	2	2.2	-	-	-	-	-	-	-	-	-	-	-	-
D64.9	Anaemia, unspecified	-	-	-	6	4	2.0	-	-	-	-	-	-	-	-	-
B24	Unspecified human immunodeficiency virus [HIV] disease	-	-	-	7	4	2.0	1	114	10.3	1	124	8.6	9	35	1.9
A16.2	Tuberculosis of lung, without mention of bacteriological or histological confirmation	-	-	-	10	3	1.5	7	26	2.3	6	38	2.6	10	34	1.8
B20.0	HIV disease resulting in mycobacterial infection	-	-	-	-	-	-	2	48	4.3	-	-	-	-	-	-
B45.1	Cerebral cryptococcosis	-	-	-	-	-	-	4	38	3.4	-	-	-	-	-	-
C53.9	Malignant neoplasm of cervix uteri, unspecified	-	-	-	-	-	-	5	37	3.3	5	45	3.1	-	-	-
B20.6	HIV disease resulting in Pneumocystis carinii pneumonia	-	-	-	-	-	-	6	29	2.6	-	-	-	-	-	-
N18.9	Chronic renal failure, unspecified	-	-	-	-	-	-	-	-	-	4	51	3.6	5	70	3.8
I10	Essential (primary) hypertension	-	-	-	-	-	-	-	-	-	3	53	3.7	1	123	6.7
C15.9	Malignant neoplasm of oesophagus, unspecified	-	-	-	-	-	-	-	-	-	7	34	2.4	7	39	2.1
C34.9	Malignant neoplasm of bronchus or lung, unspecified	-	-	-	-	-	-	-	-	-	9	29	2.0	-	-	-
C50.9	Malignant neoplasm of breast, unspecified part	-	-	-	-	-	-	-	-	-	10	28	1.9	-	-	-
I64	Stroke, not specified as haemorrhage or infarction	-	-	-	-	-	-	-	-	-	-	-	-	3	93	5.0
Causes Specified above		60	65.2		87	43.5		376	33.9		489	34.1		696	37.7	
Other causes		32	34.8		113	56.5		732	66.1		947	65.9		1151	73.3	
All diseases and conditions		92	100.0		200	100.0		1,108	100.0		1,436.00	100.0		1,847	100.0	

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
A00-B99													
A00-A09	Intestinal infectious diseases	F	8	10	1	3	4	4	1	8	20	0	59
		M	11	9	1	5	5	2	1	2	18	0	54
A15-A19	Tuberculosis	F	0	2	1	10	8	12	1	7	11	0	52
		M	0	1	3	12	23	19	3	22	33	0	116
A30-A49	Other Bacterial Diseases	F	2	3	3	6	6	9	0	7	39	0	75
		M	1	7	1	1	7	6	1	8	28	0	60
A80-A89	Viral infections of the central nervous system	F	0	0	0	0	0	2	1	0	0	0	3
		M	0	0	0	0	0	2	0	0	0	0	2
B15-B19	Viral Hepatitis	F	0	0	0	0	0	0	0	1	0	0	1
		M	0	0	0	1	0	0	0	0	1	0	2
B20-B24	Human Immunodeficiency virus(HIV) disease	F	1	2	10	37	65	49	0	36	22	0	222
		M	0	4	6	23	76	63	1	40	31	1	245
B25-B34	Other viral diseases	F	0	1	1	3	5	3	0	2	2	0	17
		M	0	0	0	0	4	1	0	2	5	0	12
B35-B49	Mycoses	F	0	0	1	6	10	1	0	0	0	0	18
		M	0	0	1	8	16	8	0	4	0	0	37
B50-B64	Protozoal diseases	F	1	0	0	4	7	3	0	1	1	0	17
		M	0	0	0	1	3	3	0	3	1	0	11
B65-B83	Helminthiasis	M	0	0	0	0	1	0	0	0	1	0	2
B85-B89	Pediculosis,acariasis and other infestations	M	0	0	0	0	1	0	0	0	0	0	1
B95-B98	Bacterial ,viral and other infectious agents	F	0	0	0	0	0	0	0	1	1	0	2
		M	0	0	0	0	0	1	0	0	0	0	1
		F	12	18	17	69	105	83	3	63	96	0	466
Sub Total		M	12	21	12	51	136	105	6	81	118	1	543

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
C00-D48 - Neoplasm													
C00-C14	Malignant neoplasms of lip,oral cavity and pharynx	F	0	0	1	0	2	0	0	5	2	0	10
		M	0	0	0	1	1	5	0	6	5	0	18
C15-C26	Malignant neoplasms of digestive organs	F	0	0	0	1	11	10	0	29	46	0	97
		M	0	0	2	1	11	24	0	32	63	0	133
C30-C39	Malignant neoplasms of respiratory and intrathoracic organs	F	0	0	0	0	2	2	0	4	5	0	13
		M	0	0	0	1	4	7	0	22	20	1	55
C40-C41	Malignant neoplasms of bone and articular cartilage	F	0	0	0	0	0	0	0	0	1	0	1
		M	0	0	0	0	0	2	0	0	0	0	2
C43-C44	Melanoma and other malignant neoplasms of skin	F	0	0	0	0	1	1	0	2	0	0	4
		M	0	0	0	0	1	2	0	2	4	0	9
C45-C49	Malignant neoplasms of mesothelial and soft tissue	F	0	0	0	2	0	2	1	2	4	0	11
		M	0	0	0	1	1	2	1	0	3	0	8
C50-C50	Malignant neoplasm of breast	F	0	0	0	8	11	18	0	10	15	0	62
		M	0	0	0	0	0	0	0	0	1	0	1
C51-C58	Malignant neoplasms of female genital organs	F	0	0	1	12	30	29	0	35	46	0	153
		M	0	0	0	0	0	1	0	1	0	0	2
C60-C63	Malignant neoplasms of male genital organs	F	0	0	0	0	1	0	0	0	0	0	1
		M	0	0	2	0	2	8	1	18	35	0	66
C64-C68	Malignant neoplasms of urinary track	F	0	0	0	0	1	2	0	3	1	0	7
		M	0	0	0	0	1	1	0	3	7	0	12
C69-C72	Malignant neoplasm of eye,brain and other parts of central nervous system	F	0	0	0	0	0	2	1	0	0	0	3
		M	0	2	0	1	1	4	3	3	3	0	17
C73-C75	Malignant neoplasm of thyroid and endocrine glands	F	0	0	0	0	0	1	0	1	0	0	2
		M	0	0	0	0	0	1	0	1	1	0	3
C76-C80	Malignant neoplasms of ill-defined secondary and unspecified sites	F	0	0	0	1	4	7	0	6	10	0	28
		M	0	0	2	0	2	6	0	9	4	0	23
C81-C96	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	F	0	0	2	1	4	11	2	3	9	0	32
		M	0	1	4	5	6	11	3	6	15	0	51
D00-D09	In situ neoplasms	F	0	0	0	0	0	1	0	0	0	0	1
		M	0	0	0	0	0	0	0	2	0	0	2

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
D10-D36	Benign neoplasms	F	0	1	0	0	3	1	0	0	0	0	5
		M	0	0	0	1	1	1	0	0	1	0	4
D37-D48	Neoplasm of uncertain or unknown behaviour	F	0	0	0	0	1	2	0	0	2	0	5
		M	0	0	2	0	0	1	0	5	4	0	12
Sub Total		F	0	1	4	25	71	89	4	100	141	0	435
		M	0	3	12	11	31	76	8	110	166	1	418
D50-D89 - Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism													
D50 - D53	Nutritional anaemias	F	0	0	0	1	0	0	0	0	0	0	1
		M	0	1	0	0	0	0	0	2	3	0	6
D55-D59	Haemolytic anaemias	F	0	0	0	0	1	0	0	0	0	0	1
D60-D64	Aplastic and other anaemias	F	0	2	2	3	6	6	0	5	21	0	45
		M	1	2	1	4	9	6	1	7	16	0	47
D65-D69	Coagulation defects, purpura and other haemorrhagic conditions	F	1	0	0	1	5	1	0	1	2	0	11
		M	0	0	0	0	2	0	0	0	2	0	4
D70-D77	Other diseases of blood and blood-forming organs	M	0	0	1	0	0	0	0	0	0	0	1
D80-D89	Certain disorders involving the immune mechanism	F	0	0	0	0	1	0	0	0	0	0	1
		M	0	0	1	1	1	0	0	0	0	0	3
Sub Total		F	1	2	2	5	13	7	0	6	23	0	59
		M	1	3	3	5	12	6	1	9	21	0	61
E00-E90 - Endocrine, nutritional and metabolic diseases													
E00-E07	Disorders of thyroid gland	F	0	0	0	0	1	0	0	0	0	0	1
		M	0	0	0	0	0	0	0	0	1	0	1
E10-E14	Diabetes mellitus	F	0	0	1	1	4	6	0	19	56	0	87
		M	0	0	1	2	5	3	0	20	31	0	62
E15-E16	Other disorders of glucose regulation and pancreatic internal secretion	F	0	1	1	0	0	0	0	0	6	0	8
		M	1	0	0	0	0	0	0	0	8	0	9
E40-E46	Malnutrition	F	7	10	0	0	0	0	0	0	3	0	20
		M	2	11	0	1	0	0	0	0	6	0	20
E70-E90	Metabolic disorders	F	1	1	1	1	2	1	0	4	15	0	26
		M	0	3	0	4	3	3	0	5	12	0	30
Sub Total		F	8	12	3	2	7	7	0	23	80	0	142
		M	3	14	1	7	8	6	0	25	58	0	122

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
F00-F99 Mental and behavioural disorders													
F00-F09	Organic,including symptomatic,mental disorders	F	0	0	0	0	0	0	0	0	3	0	3
		M	0	0	0	0	0	0	0	0	6	0	6
F10-F19	Mental and behavioural disorders due to psychoactive substance use	F	0	0	0	1	1	0	0	0	0	0	2
		M	0	0	0	1	0	0	0	0	0	0	1
F20-F29	Schizophrenia,schizotypal and delusional disorders	M	0	0	0	0	2	0	0	0	0	0	2
Sub Total		F	0	0	0	1	1	0	0	0	3	0	5
		M	0	0	0	1	2	0	0	0	6	0	9
G00-G99 - Diseases of the nervous system													
G00-G09	Inflammatory diseases of the central nervous system	F	1	0	0	0	4	2	1	3	4	0	15
		M	0	1	0	2	6	7	2	4	1	0	23
G10-G14	Systemic asrophies primarily affecting the central nervous system	M	0	0	0	0	0	0	0	1	0	0	1
G20-G26	Extrapyramidal and movement disorders	F	0	0	0	0	0	0	0	0	2	0	2
		M	0	0	0	0	0	0	0	0	3	0	3
G30-G32	Other degenerative diseases of the nervous system	M	0	0	0	0	1	0	0	0	0	0	1
G40-G47	Episodic and paroxysmal disorders	F	1	1	1	1	0	1	0	0	2	0	7
		M	0	0	0	2	3	0	0	1	3	0	9
G60-G64	Polyneuropathies and other disorders of the peripheral nervous system	F	0	0	0	0	1	1	0	0	0	0	2
		M	0	0	0	0	2	0	0	0	1	0	3
G80-G83	Cerebral Palsy and other paralytic syndrommes	F	0	1	0	0	3	0	0	0	0	0	4
		M	0	1	0	0	0	0	0	1	0	0	2
G90-G99	Other disorders of the nervous system	F	0	0	0	2	0	1	0	0	3	0	6
		M	3	0	0	1	1	1	0	1	2	0	9
		F	2	2	1	3	8	5	1	3	11	0	36
Sub Total		M	3	2	0	5	13	8	2	8	10	0	51

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total	
I00-I99 - Diseases of the circulatory system														
I05-I09	Chronic rheumatic heart diseases	F	0	0	0	1	0	0	0	1	0	0	2	
I10-I15	Hypertensive diseases	F	0	0	1	1	10	12	0	16	95	0	135	
		M	0	0	1	1	8	16	0	20	69	0	115	
I20-I25	Ischaemic heart diseases	F	0	0	0	0	0	1	0	2	5	0	8	
		M	0	0	0	0	1	0	0	5	7	0	13	
I26-I28	Pulmonary heart diseases and diseases of pulmonary circulation	F	0	0	0	2	0	0	0	1	4	0	7	
		M	0	0	0	1	1	1	0	3	1	0	7	
I30-I52	Other forms of heart disease	F	1	1	3	5	5	4	4	16	73	1	113	
		M	2	3	1	1	12	13	2	11	52	0	97	
I60-I69	Cerebrovascular diseases	F	0	0	2	3	8	7	0	16	81	0	117	
		M	0	0	0	2	9	12	4	15	56	0	98	
I70-I79	Diseases of arteries ,arterioles and capillaries	F	0	0	0	1	0	1	1	0	1	0	4	
		M	0	0	1	0	2	1	0	1	2	0	7	
I80-I89	Diseases of the veins ,lymphatic vessels and lymph nodes,not elsewhere classified	F	0	0	0	0	0	0	0	0	3	0	3	
		M	0	0	0	0	0	0	1	0	3	0	4	
I95-I99	Other and unspecified disorders of the circulatory system	F	0	0	0	0	1	0	0	0	3	0	4	
		M	0	0	0	1	1	0	0	0	1	0	3	
Sub Total			F	1	1	6	13	24	25	5	52	265	1	393
			M	2	3	3	6	34	43	7	55	191	0	344

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
J00-J99 - Diseases of the respiratory system													
J00-J06	Acute upper respiratory infections	F	0	0	0	1	1	1	0	0	0	0	3
J09-J18	Influenza and pneumonia	F	9	10	1	4	9	6	3	14	53	0	109
		M	8	4	2	5	17	20	0	25	75	0	156
J20-J22	Other acute lower respiratory infections	F	0	0	0	0	0	0	0	1	0	0	1
		M	0	0	0	1	0	1	0	0	2	0	4
J30-J39	Other diseases of the upper respiratory track	F	0	0	0	1	0	0	0	0	1	0	2
		M	0	0	0	0	0	0	0	1	0	0	1
J40-J47	Chronic lower respiratory diseases	F	0	0	0	0	1	4	0	1	9	0	15
		M	0	0	1	0	4	6	0	17	45	0	73
J60-J70	Lung diseases due to external agents	F	0	1	1	0	0	0	0	1	1	0	4
		M	2	0	1	0	0	1	0	1	4	0	9
J80-J84	Other respiratory diseases principally affecting the interstitium	F	0	1	1	0	0	1	0	3	1	0	7
		M	1	0	0	0	2	1	1	4	3	0	12
J85-J86	Suppurative and necrotic conditions of Lower respiratory track	F	0	0	0	0	0	0	0	0	2	0	2
		M	0	0	0	1	0	1	0	2	2	0	6
J90-J94	Other diseases of pleura	F	0	1	0	0	2	2	0	1	3	0	9
		M	0	0	0	0	0	0	0	6	8	0	14
J95-J99	Other diseases of the respiratory system	F	1	0	0	1	1	0	0	3	2	0	8
		M	0	0	1	1	2	1	0	3	7	0	15
		F	10	13	3	7	14	14	3	24	72	0	160
Sub Total		M	11	4	5	8	25	31	1	59	146	0	290

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total	
K00-K93 -Diseases of the digestive system														
K00-K14	Diseases of the oral cavity, salivary glands and jaws	M	0	0	0	2	0	0	0	0	2	0	4	
K20-K31	Diseases of oesophagus, stomach and duodenum	F	0	0	1	1	4	1	0	4	8	0	19	
		M	0	0	0	0	2	2	0	2	7	0	13	
K35-K38	Diseases of appendix	F	0	0	0	3	0	0	2	1	0	0	6	
		M	0	0	1	0	1	2	0	1	4	0	9	
K40-K46	Hernia	F	0	1	1	0	0	0	0	0	0	0	2	
K50-K52	Noninfective enteritis and colitis	F	0	0	0	0	0	1	0	0	0	0	1	
		M	0	0	0	0	1	0	0	1	1	0	3	
K55-K63	Other diseases of the intestines	F	2	1	1	0	2	7	0	3	10	0	26	
		M	1	0	0	1	1	4	0	5	9	0	21	
K65-K67	Diseases of peritoneum	F	0	0	0	0	0	0	0	0	1	0	1	
		M	1	1	0	0	0	0	0	0	0	0	2	
K70-K77	Diseases of Liver	F	1	3	2	7	15	15	0	8	19	0	70	
		M	2	2	2	0	15	10	0	14	16	0	61	
K80-K87	Disorders of gallbladder, biliary track and pancreas	F	0	0	0	1	0	2	0	5	12	0	20	
		M	0	0	0	0	2	3	0	1	6	0	12	
K90-K93	Other diseases of the digestive system	F	1	0	0	1	1	1	0	3	9	0	16	
		M	0	0	0	0	1	2	0	3	5	0	11	
Sub Total			F	4	5	5	13	22	27	2	24	59	0	161
			M	4	3	3	3	23	23	0	27	50	0	136
L00-L99 - Diseases of the skin and subcutaneous tissue														
L00-L08	Infections of the skin and subcutaneous tissue	F	1	0	0	1	1	0	0	0	3	0	6	
		M	0	0	0	1	0	0	0	0	2	0	3	
L50-L54	Urticaria and erythema	F	0	0	0	1	0	0	0	0	0	0	1	
		M	0	1	0	0	0	0	0	0	0	0	1	
L80-L99	Other disorders of the skin and subcutaneous tissue	F	0	0	0	1	0	0	0	0	26	0	27	
		M	0	0	0	0	2	1	0	2	6	0	11	
Sub Total			F	1	0	0	3	1	0	0	29	0	34	
			M	0	1	0	1	2	1	0	2	8	0	15

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
M00-M99 - Diseases of the musculoskeletal system and connective tissue													
M00-M25	Arthropathies	F	0	0	0	0	0	0	0	1	0	0	1
		M	0	0	0	0	0	0	0	3	0	0	3
M30-M36	Systemic connective tissue disorders	F	0	0	1	1	0	0	0	0	0	0	2
M80-M94	Osteopathies and chondropathies	M	0	0	0	0	0	0	0	0	1	0	1
		F	0	0	1	1	0	0	0	1	0	0	3
Sub Total		M	0	0	0	0	0	0	0	3	1	0	4
N00-N99 - Diseases of the genitourinary system													
N00-N08	Glomerular diseases	F	0	0	0	0	0	0	0	0	1	0	1
		M	0	0	1	0	0	0	2	0	0	0	3
N10-N16	Renal tubulo-interstitial diseases	F	0	0	0	1	2	0	1	0	0	0	4
		M	0	0	0	1	0	1	0	3	5	0	10
N17-N19	Renal Failure	F	0	1	0	4	16	17	0	39	67	0	144
		M	0	1	7	5	11	26	0	29	65	0	144
N20-N23	Urolithiasis	F	0	0	0	0	0	0	0	0	1	0	1
N25-N29	Other disorders of kidney and ureter	F	0	0	0	0	0	0	0	0	2	0	2
		M	0	0	0	0	0	0	0	0	2	0	2
N30-N39	Other diseases of urinary track	F	0	0	0	0	0	0	0	0	8	0	8
		M	0	0	0	0	0	2	0	6	10	0	18
N40-N51	Diseases of genital organs	M	0	0	0	0	0	1	0	3	11	0	15
N60-N64	Disorders of breast	F	0	0	0	0	0	0	0	1	0	0	1
N70-N77	Inflammatory diseases of female pelvic organs	F	0	0	1	1	0	0	0	0	0	0	2
N80-N98	Noninflammatory disorders of female genital track	F	0	0	0	0	1	0	0	1	1	0	3
		M	0	0	0	0	0	0	0	0	2	0	2
Sub Total		F	0	1	1	6	19	17	1	41	80	0	166
		M	0	1	8	6	11	30	2	41	95	0	194

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
O00-O99 - Pregnancy,childbirth and the puerperium													
O00-O08	Pregnancy with abortive outcome	F	0	0	3	11	5	0	0	0	0	0	19
O10-O16	Oedema,proteinuria and hypertensive disorders in pregnancy,childbirth and puerperium	F	0	0	5	5	4	1	0	0	0	0	15
O20-O29	Other maternal disorders predominantly related to pregnancy	F	0	0	0	1	0	0	0	0	0	0	1
O30-O48	Maternal care related to the fetus and amniotic cavity and possible delivery problems	F	0	0	3	2	1	1	0	0	0	0	7
O60-O75	Complications of labour and delivery	F	0	0	0	7	6	0	0	0	0	0	13
O85-O92	Complications predominantly related to the puerperium(O85-O92)	F	0	0	2	2	3	0	0	0	0	0	7
O94-O99	Other obstetric condintions ,not elsewhere classified	F	0	0	3	10	7	0	0	0	0	0	20
		F	0	0	16	38	26	2	0	0	0	0	82
Sub Total		M	0	0	0	0	0	0	0	0	0	0	0
Q00-Q99 - Congenital malformations,deformations and chromosomal abnormalities													
Q00-Q07	Congenital malformations of the nevous system	F	1	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	0	0	0	0	1	0	0	1
Q20-Q28	Congenital malformations of the circulatory system	F	1	2	0	0	0	0	0	0	1	0	4
		M	3	0	0	0	0	0	0	0	0	0	3
Q38-Q45	Other congenital malformations of the digestive system	F	0	2	0	0	0	0	0	0	0	0	2
		M	2	0	0	0	0	0	0	0	0	1	3
Q60-Q64	Congenital malformation of the urinary system	F	0	0	0	0	0	0	0	0	1	0	1
		M	0	0	0	0	0	0	0	0	2	0	2
Q90-Q99	Other Chromosomal abnormalities ,not elsewhere classified	F	0	2	0	0	0	0	0	0	0	0	2
		F	2	6	0	0	0	0	0	0	2	0	10
Sub Total		M	5	0	0	0	0	0	1	0	3	0	9

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
R00-R99 - Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified													
R00-R09	Symptoms and signs involving the circulatory and respiratory system	F	0	0	0	0	0	0	0	0	3	0	3
		M	0	0	0	0	0	0	0	2	5	0	7
R10-R19	Symptoms and signs involving digestive system and abdomen	F	0	0	0	1	1	0	0	2	2	0	6
		M	1	1	0	0	1	1	0	1	5	0	10
R20-R23	Symptoms and signs involving the skin and subcutaneous tissue	F	0	0	0	0	0	0	0	0	1	0	1
R50-R69	General symptoms and signs	F	0	1	0	1	1	2	0	3	6	0	14
		M	0	0	0	0	2	3	0	3	2	0	10
R95 - R99	Ill defined and unknown causes of mortality	F	2	5	2	12	8	5	2	5	19	1	61
		M	3	4	0	2	6	3	3	13	13	0	47
		F	2	6	2	14	10	7	2	10	31	1	85
Sub Total		M	4	5	0	2	9	7	3	19	25	0	74
S00-T98 - Injury, poisoning and certain other consequences of external causes													
S00-S09	Injuries to the head	F	0	0	1	1	2	0	0	1	3	0	8
		M	0	2	4	9	8	5	2	0	5	0	35
S10-S19	Injuries to the neck	F	0	0	1	1	1	1	0	0	0	0	4
		M	0	0	0	2	0	1	0	0	0	0	3
S20-S29	Injuries to the thorax	F	0	0	0	1	0	0	0	0	0	0	1
		M	0	0	2	2	1	0	0	0	1	0	6
S30-S39	Injuries to the abdomen, lower back, lumbar spine and pelvis	F	0	0	0	0	0	0	0	1	3	0	4
		M	0	0	1	1	0	0	1	1	1	0	5
S40-S49	Injuries to the shoulder and upper arm	F	0	0	0	0	0	0	1	0	0	0	1
S70-S79	Injuries to the hip and thigh	F	0	0	0	0	0	1	1	2	12	0	16
		M	0	0	0	0	0	0	0	4	10	0	14
S80-S89	Injuries to the knee and lower leg	M	0	0	0	0	0	0	0	1	1	0	2
T00-T07	Injuries involving multiple body regions	F	0	0	1	0	0	0	0	0	1	0	2
		M	0	0	1	1	2	3	0	0	4	0	11
T08-T14	Injuries to unspecified part of trunk, limb or body region	F	0	0	0	0	0	0	0	0	1	0	1
		M	0	1	1	1	0	0	0	0	0	0	3
T15-T19	Effects of foreign body entering through natural orifice	F	0	0	0	1	0	0	0	0	0	0	1
		M	0	1	0	0	1	0	0	0	0	0	2

Annex 2: Inpatient Mortality (Excluding Neonatal Mortality) by Age group and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	<1	1-4	15-24	25-34	35-44	45-54	5-14	55-64	65+	N/S	Total
T20-T32	Burns and corrosions	F	2	3	1	0	3	0	0	1	4	0	14
		M	0	4	0	3	1	0	0	0	3	0	11
T36-T50	Poisoning by drugs,medicaments and biological substances	F	2	1	0	0	0	0	0	2	1	0	6
		M	0	1	1	1	1	0	0	0	0	0	4
T51-T65	Toxic effects of substances chiefly non medicinal as to source	F	0	1	0	1	0	0	0	1	0	0	3
		M	0	0	2	0	0	2	0	0	1	0	5
T66-T78	Other unspecified effects of external causes	F	0	0	0	1	0	0	0	0	0	0	1
		M	0	2	0	0	0	0	0	0	0	0	2
T80-T88	Complications of surgical and medical care,not elsewhere clasified	F	0	0	0	0	0	0	0	0	1	0	1
		M	0	0	0	0	0	0	0	0	1	0	1
Sub Total		F	4	5	4	6	6	2	2	8	26	0	63
Sub Total		M	0	11	12	20	14	11	3	6	27	0	104
U00-U89 - Codes for Special purposes													
U80-U89	Bacterial agents resistant to antibiotics	F	0	0	1	0	2	0	0	0	2	0	5
		M	0	0	0	0	1	0	0	2	0	0	3
		F	0	0	1	0	2	0	0	0	2	0	5
Sub Total		M	0	0	0	0	1	0	0	2	0	0	3
Z00-Z99 - Factors influencing health status and contact with health sevicees													
Z40-Z54	Persons encoubtering health services for specific procedure and health care	M	0	0	0	0	0	0	0	0	1	0	1
Z55-Z65	Persons with potensial health hazards related to socio economic and pychosocial circumstances	F	0	0	0	0	0	1	0	0	0	0	1
Z80-Z99	Persons with potential health hazards related to fam-ily and personal history and certain conditions	F	0	0	0	0	0	0	0	1	0	0	1
		M	0	0	0	0	1	0	0	0	1	0	2
		F	0	0	0	0	0	1	0	1	0	0	2
Sub Total		M	0	0	0	0	1	0	0	0	2	0	3
		F	47	72	66	206	329	286	23	356	920	2	2,306
Grand Total		M	45	71	59	126	322	347	34	447	927	2	2,380

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Total	
A00-B99	Intestinal Infectious Diseases																									
A00-A09	Intestinal infectious diseases	F	1	2	0	8	5	5	0	0	1	4	7	3	5	7	0	2	0	2	2	3	1	2	1	59
		M	3	2	2	9	5	2	1	0	1	2	4	3	3	9	0	2	0	0	0	3	0	1	2	54
A15-A19	Tuberculosis	F	0	1	0	10	8	2	0	4	2	5	6	0	5	0	1	1	1	1	1	2	1	2	0	52
		M	0	3	1	10	14	7	2	6	5	10	17	6	9	5	2	3	3	3	1	3	2	6	1	116
A30-A49	Other Bacterial Diseases	F	1	4	4	13	13	4	2	0	1	1	2	3	3	0	0	1	6	0	0	12	1	4	0	75
		M	0	4	2	7	6	7	0	0	2	1	4	5	2	1	0	1	2	0	0	6	1	8	1	60
A80-A89	Viral infections of the central nervous system	F	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
		M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
B15-B19	Viral Hepatitis	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
B20-B24	Human Immunodeficiency virus(HIV) disease	F	3	3	0	51	36	1	1	4	8	2	25	15	4	10	8	1	7	7	5	7	8	17	6	222
		M	6	6	1	50	38	4	2	6	11	4	33	12	5	10	2	1	7	7	2	6	8	21	10	245
B25-B34	Other viral diseases	F	3	1	0	0	4	0	0	0	0	0	0	0	2	1	0	0	4	0	0	0	0	0	2	17
		M	1	0	0	0	4	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	4	12
B35-B49	Mycoses	F	0	1	0	6	2	0	0	0	1	1	0	0	1	0	0	0	3	0	0	2	0	1	0	18
		M	2	0	0	7	0	0	0	0	0	5	5	0	4	3	0	0	5	1	1	1	2	2	0	37
B50-B64	Protozoal diseases	F	0	0	0	1	4	3	0	0	0	2	2	0	1	2	0	0	0	0	2	0	0	0	0	17
		M	0	1	0	4	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	1	0	0	11

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total
B65-B83	Helminthiasis	M	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
B85-B89	Pediculosis,acarasis and other infestations	M	0	0	0	1	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	F	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
		M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	9	12	4	89	73	15	3	8	13	15	42	21	22	22	9	5	21	11	26	11	26	9	466
Sub Total		M	12	16	6	91	67	21	5	12	20	23	63	26	25	31	4	8	18	4	21	13	39	18	543
C00-D48	Neoplasm																								
C00-C14	Malignant neoplasms of lip,oral cavity and pharynx	F	0	1	0	2	4	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	10
		M	1	0	0	6	3	1	0	0	0	1	1	0	0	0	0	0	0	0	0	3	0	2	18
C15-C26	Malignant neoplasms of digestive organs	F	0	0	0	30	27	1	0	2	0	1	15	1	2	1	2	2	2	2	5	1	0	4	97
		M	1	2	0	31	21	0	2	0	1	6	19	3	6	7	5	1	2	4	4	6	4	8	133
C30-C39	Malignant neoplasms of respiratory and intrathoracic organs	F	0	0	0	2	5	0	1	0	0	0	3	0	0	0	0	0	0	0	0	2	0	0	13
		M	3	1	0	12	11	1	1	0	0	1	7	1	3	2	0	0	0	0	0	9	1	1	55
C40-C41	Malignant neoplasms of bone and articular cartilage	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	2
C43-C44	Melanoma and other malignant neoplasms of skin	F	0	0	0	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4
		M	0	0	0	3	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	0	9
C45-C49	Malignant neoplasms of mesothelial and soft tissue	F	0	0	0	4	3	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	1	0	11
		M	1	0	0	1	2	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	8

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total
C50-C50	Malignant neoplasm of breast	F	1	2	1	16	14	0	1	0	2	0	4	1	3	6	0	1	0	1	5	1	2	1	62
C51-C58	Malignant neoplasms of female genital organs	M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
C51-C58	Malignant neoplasms of female genital organs	F	7	1	0	51	33	3	2	0	0	5	6	4	5	8	0	1	0	6	9	2	6	4	153
C60-C63	Malignant neoplasms of male genital organs	M	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
C60-C63	Malignant neoplasms of male genital organs	F	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
C64-C68	Malignant neoplasms of urinary tract	M	2	2	0	15	8	1	0	4	0	4	9	2	2	2	1	0	6	2	3	1	1	1	66
C64-C68	Malignant neoplasms of urinary tract	F	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	7
C69-C72	Malignant neoplasm of eye, brain and other parts of central nervous system	M	0	0	0	3	3	0	0	0	0	0	5	0	0	0	0	0	0	1	0	0	0	0	12
C69-C72	Malignant neoplasm of eye, brain and other parts of central nervous system	F	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
C73-C75	Malignant neoplasm of thyroid and endocrine glands	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	17
C73-C75	Malignant neoplasm of thyroid and endocrine glands	F	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
C73-C75	Malignant neoplasm of thyroid and endocrine glands	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	3

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Matlape	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total
C76-C80	Malignant neoplasms of ill-defined secondary and unspecified sites	F	1	1	0	3	6	0	0	4	1	0	1	0	4	3	0	0	0	1	0	0	1	2	28
C81-C96	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	M	0	0	0	4	8	1	1	0	1	0	1	0	2	0	0	0	0	0	1	1	1	2	23
		F	1	0	0	4	14	0	0	0	0	1	5	0	2	0	0	0	0	0	2	1	2	0	32
D00-D09	In situ neoplasms	M	0	1	0	13	19	0	0	0	0	1	11	0	2	2	0	0	1	0	1	0	0	0	51
D10-D36	Benign neoplasms	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
D37-D48	Neoplasm of uncertain or unknown behaviour	F	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	4
		M	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
		M	0	0	0	7	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	12
Sub Total		F	11	5	1	126	110	5	4	6	3	7	36	6	20	19	2	4	4	13	21	4	19	9	435
		M	8	6	1	108	81	4	4	4	2	13	66	7	19	13	6	1	11	7	25	7	16	9	418

Table 2: Inpatient Mortality (Excluding neonatal Mortality) by Districts - 2020

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mochalape	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total	
D50-D89	Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism																									
D50 - D53	Nutritional anaemias	F	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	2	1	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	6
D55-D59	Haemolytic anaemias	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
D60-D64	Aplastic and other anaemias	F	0	3	1	6	6	1	0	0	0	3	0	9	1	4	0	1	5	1	2	2	1	1	0	45
		M	4	0	1	9	3	4	0	0	0	3	5	1	2	0	0	1	1	1	7	1	4	0	47	
D65-D69	Coagulation defects, purpura and other haemorrhagic conditions	F	0	0	0	0	6	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	11
D70-D77	Other diseases of blood and blood-forming organs	M	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4
		M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
D80-D89	Certain disorders involving the immune mechanism	F	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	3
Sub Total		F	0	3	1	6	12	1	1	0	0	4	0	9	3	8	0	1	5	1	2	1	1	0	59	
		M	4	0	1	14	5	5	0	0	0	3	7	1	2	3	0	0	1	1	9	1	4	0	61	

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalegadi North	Kgalegadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total
E00-E90	Endocrine, nutritional and metabolic diseases																								
E00-E07	Disorders of thyroid gland	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
E10-E14	Diabetes mellitus	F	3	2	0	17	12	1	0	0	3	0	15	4	8	3	2	2	0	2	3	3	2	4	87
		M	3	2	0	10	17	1	1	0	1	1	9	0	6	0	1	1	3	0	2	2	1	1	62
E15-E16	Other disorders of glucose regulation and pancreatic internal secretion	F	0	0	0	0	0	0	0	0	0	2	0	0	1	0	1	0	0	2	1	0	0	1	8
		M	0	0	1	0	0	1	0	2	0	0	0	1	1	0	0	0	0	0	0	1	0	1	9
E40-E46	Malnutrition	F	0	2	0	4	2	1	0	0	1	0	1	0	1	3	0	2	2	1	0	0	0	0	20
		M	0	1	0	2	0	2	0	0	2	0	1	0	5	4	0	0	1	0	0	0	0	2	20
E70-E90	Metabolic disorders	F	0	1	0	2	4	1	0	0	0	1	1	1	3	4	0	0	0	3	0	3	2	0	26
		M	0	3	2	0	1	1	1	2	0	3	3	1	2	1	0	0	1	1	1	5	3	0	30
Sub Total		F	3	5	0	23	18	3	0	0	4	3	17	5	13	10	3	2	6	5	8	2	6	6	142
		M	3	6	3	12	18	5	2	4	3	4	13	2	14	5	2	1	5	1	8	2	5	4	122

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total	
G30-G32	Other degenerative diseases of the nervous system	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
G40-G47	Episodic and paroxysmal disorders	F	0	0	0	3	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	7
G60-G64	Polyneuropathies and other disorders of the peripheral nervous system	M	1	1	0	1	3	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	9
		F	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
G80-G83	Cerebral Palsy and other paralytic syndromes	M	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
		F	1	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	4
G90-G99	Other disorders of the nervous system	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
		F	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	2	0	0	0	6
Sub Total		M	0	0	0	4	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	9
		F	2	0	0	10	6	0	0	0	0	2	2	3	2	3	0	0	1	0	0	4	1	0	0	36
		M	1	1	0	12	7	3	0	0	0	3	8	0	2	4	0	0	1	3	2	1	0	2	1	51

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Gochope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Total	
I05-I09	Chronic rheumatic heart diseases	F	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	
I10-I15	Hypertensive diseases	F	2	2	0	24	24	2	1	2	3	4	18	5	6	4	1	6	2	2	4	2	4	11	8	135
		M	1	2	2	17	30	1	0	2	3	4	14	1	3	9	1	2	4	0	2	4	13	0	115	
I20-I25	Ischaemic heart diseases	F	0	0	0	0	0	0	0	0	0	1	4	0	1	0	0	0	0	0	0	2	0	0	0	8
		M	0	0	1	0	0	0	0	0	0	0	7	0	2	1	0	0	1	0	0	0	1	0	0	13
I26-I28	Pulmonary heart diseases and diseases of pulmonary circulation	F	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
		M	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	3	0	1	0	7	
I30-I52	Other forms of heart disease	F	7	4	0	12	10	5	3	6	1	4	12	0	17	4	1	4	0	0	10	4	7	2	113	
		M	1	4	1	9	4	0	1	2	1	7	11	3	14	8	3	2	2	2	9	2	10	1	97	
I60-I69	Cerebrovascular diseases	F	0	2	1	37	9	1	4	4	0	5	20	3	6	3	2	2	1	1	7	1	6	2	117	
		M	2	1	0	36	9	1	1	2	0	3	14	1	3	8	0	0	0	2	2	6	7	0	98	

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalegi North	Kgalegi South	Kgatleng	Kweneng East	Lobatse	Matlape	Ngamitlana	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total
I70-I79	Diseases of arteries, arterioles and capillaries	F	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
		M	0	0	0	3	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	1	0	7
I80-I89	Diseases of the veins, lymphatic vessels and lymph nodes, not elsewhere classified	F	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3
		M	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4
I95-I99	Other and unspecified disorders of the circulatory system	F	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	4
		M	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
		F	9	8	1	79	50	8	8	12	4	15	55	8	30	12	4	12	4	6	22	9	25	12	393
		M	4	7	4	68	45	2	2	6	4	18	49	5	22	26	4	4	8	4	16	13	32	1	344
J00-J99	Diseases of the respiratory system																								
J00-J06	Acute upper respiratory infections	F	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	3
J09-J18	Influenza and pneumonia	F	3	4	1	23	8	7	2	4	2	2	8	0	7	7	4	2	4	2	9	4	2	4	109
		M	7	9	0	13	5	8	6	2	3	2	11	3	17	17	1	3	9	4	15	9	9	3	156
J20-J22	Other acute lower respiratory infections	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
J30-J39	Other diseases of the upper respiratory tract	M	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	4
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
J40-J47	Chronic lower respiratory diseases	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	1	1	0	0	0	4	0	0	0	1	3	0	0	2	0	1	0	0	0	0	2	0	15
		M	0	0	1	7	3	3	0	0	0	0	21	1	10	5	2	0	1	2	2	8	6	1	73

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalegadi North	Kgalegadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamitland	Noth East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total
J60-J70	Lung diseases due to external agents	F	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	4
J80-J84	Other respiratory diseases principally affecting the interstitium	M	0	0	0	1	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	1	1	0	9
		F	0	0	0	3	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	7
J85-J86	Suppurative and necrotic conditions of Lower respiratory tract	M	0	0	1	2	1	0	1	0	0	0	4	0	1	0	0	0	1	0	0	1	0	0	12
		F	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
J90-J94	Other diseases of pleura	M	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	6
		F	1	0	0	1	1	1	0	0	1	1	1	0	0	0	0	0	0	1	0	0	1	0	9
J95-J99	Other diseases of the respiratory system	M	1	1	0	6	1	0	0	0	1	1	0	2	0	0	0	0	0	0	1	0	0	0	14
		F	0	0	0	0	1	2	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	1	8
		M	0	0	0	0	1	0	1	0	0	0	3	0	3	0	1	2	0	0	1	2	1	0	15
		F	5	5	1	30	12	16	2	4	3	5	15	0	8	11	5	4	5	3	11	4	6	5	160
Sub Total		M	8	10	2	31	14	11	8	2	4	7	42	7	31	22	5	6	10	6	22	20	17	5	290

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botswana	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahlapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total
K00-K93	Diseases of the digestive system																								
K00-K14	Diseases of the oral cavity, salivary glands and jaws	M	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	4
K20-K31	Diseases of oesophagus, stomach and duodenum	F	0	1	0	5	2	0	0	0	0	1	4	1	0	1	0	0	1	1	0	1	1	0	19
K35-K38	Diseases of appendix	M	0	1	0	4	4	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	13
K40-K46	Hernia	F	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
K40-K46	Hernia	M	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	9
K50-K52	Noninfective enteritis and colitis	F	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
K50-K52	Noninfective enteritis and colitis	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
K55-K63	Other diseases of the intestines	M	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
K55-K63	Other diseases of the intestines	F	2	0	0	9	2	2	0	0	0	1	7	0	0	0	0	0	0	0	0	2	1	0	26
K65-K67	Diseases of peritoneum	M	0	2	0	7	2	1	0	2	0	2	1	1	0	0	0	0	0	0	0	2	0	1	21
K65-K67	Diseases of peritoneum	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
K70-K77	Diseases of Liver	M	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
K70-K77	Diseases of Liver	F	0	2	0	13	21	0	0	2	0	1	7	1	2	2	2	0	1	1	2	4	9	2	70
K80-K87	Disorders of gallbladder, biliary tract and pancreas	M	1	1	0	8	11	2	0	2	0	2	5	1	7	5	0	0	1	2	4	4	2	6	61
K80-K87	Disorders of gallbladder, biliary tract and pancreas	F	0	0	0	6	3	0	0	0	0	0	6	0	0	1	0	0	0	0	4	0	0	0	20
K90-K93	Other diseases of the digestive system	M	0	0	0	2	2	0	0	0	0	0	4	0	0	0	0	0	0	0	1	2	1	0	12
K90-K93	Other diseases of the digestive system	F	1	0	0	5	1	0	0	0	0	1	2	1	1	0	0	0	0	0	2	0	2	0	16
		M	1	1	0	1	1	0	0	0	0	0	3	1	0	0	0	0	0	0	1	0	2	0	11
		F	3	3	0	44	31	2	0	2	0	4	27	3	3	4	0	0	1	2	3	13	11	5	161
Sub Total		M	3	5	0	27	24	4	0	6	0	4	16	3	7	5	1	1	1	3	11	4	10	1	136

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Gochope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahlapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total	
N00-N99	Diseases of the genitourinary system																									
N00-N08	Glomerular diseases	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
N10-N16	Renal tubulo-interstitial diseases	F	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4
		M	0	0	0	6	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	10
N17-N19	Renal Failure	F	1	3	1	51	19	1	0	0	0	1	24	1	1	13	1	3	4	2	6	3	7	2	2	144
		M	4	3	1	45	23	3	5	2	0	0	15	2	4	8	2	2	2	1	6	5	10	1	144	
N20-N23	Urolithiasis	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
N25-N29	Other disorders of kidney and ureter	F	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
		M	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
N30-N39	Other diseases of urinary tract	F	0	0	0	0	3	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	0	8
		M	3	0	2	0	4	0	0	0	0	1	1	0	1	0	0	0	0	0	1	0	5	0	18	
N40-N51	Diseases of genital organs	M	0	0	0	5	3	1	0	0	0	0	2	0	2	0	0	0	0	0	1	0	0	1	0	15
N60-N64	Disorders of breast	F	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
N70-N77	Inflammatory diseases of female pelvic organs	F	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
N80-N98	Noninflammatory disorders of female genital tract	F	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3
		M	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Sub Total		F	1	3	1	56	24	2	0	0	2	1	25	1	3	15	2	3	6	2	6	3	8	2	166	
		M	7	3	3	58	32	5	5	4	1	2	20	2	7	8	2	2	2	1	8	5	15	2	194	

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total	
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities																									
Q00-Q07	Congenital malformations of the nervous system	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q20-Q28	Congenital malformations of the circulatory system	F	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
		M	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Q38-Q45	Other congenital malformations of the digestive system	F	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2
		M	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	3
Q60-Q64	Congenital malformation of the urinary system	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		M	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Q90-Q99	Other Chromosomal abnormalities ,not elsewhere classified	F	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Sub Total		F	0	0	0	4	3	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	10	
		M	0	0	0	3	1	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	9	

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Gothoppe	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tlume	Total	
S30-S39	Injuries to the abdomen, lower back, lumbar spine and pelvis	F	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	4
S40-S49	Injuries to the shoulder and upper arm	M	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	5
S70-S79	Injuries to the hip and thigh	F	0	0	0	6	7	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	16
S80-S89	Injuries to the knee and lower leg	M	0	0	0	5	6	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	14
T00-T07	Injuries to the knee and lower leg	M	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
T08-T14	Injuries involving multiple body regions	F	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
T15-T19	Injuries to unspecified part of trunk, limb or body region	M	0	0	0	6	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11
T15-T19	Injuries to unspecified part of trunk, limb or body region	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
T15-T19	Effects of foreign body entering through natural orifice	M	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
T15-T19	Effects of foreign body entering through natural orifice	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
T20-T32	Burns and corrosions	M	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
T20-T32	Burns and corrosions	F	0	0	0	6	2	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	1	0	0	14
T36-T50	Poisoning by drugs, medicaments and biological substances	M	1	0	0	3	1	0	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	11
T36-T50	Poisoning by drugs, medicaments and biological substances	F	0	0	0	1	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6
T51-T65	Toxic effects of substances chiefly non medicinal as to source	M	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
T51-T65	Toxic effects of substances chiefly non medicinal as to source	F	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
		M	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	5

Annex 3: Inpatient Mortality (Excluding Neonatal Mortality) by Health Districts and Sex -2020 Cont.

ICD 10 Code	Diagnosis	Sex	Botlwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kgatleng	Kweneng East	Lobatse	Mahalapye	Ngamitland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Tutume	Total
T66-T78 -	Other unspecified effects of external causes	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
T80-T88	External causes of injuries	M	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
	Complications of surgical and medical care, not elsewhere classified	F	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	24	21	1	1	0	0	1	6	1	2	2	0	0	0	0	0	2	1	0	63
Sub Total		M	4	1	0	41	26	3	0	0	0	1	17	0	3	2	0	0	0	0	3	0	2	1	104
U00-U89	Codes for Special purposes	F	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5
U80-U89	Bacterial agents resistant to antibiotics	M	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
		F	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5
Sub Total		M	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Z40-Z54	Persons encountering health services for specific procedure and health care	M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Z55-Z65	Persons with potential health hazards related to socio economic and psychosocial circumstances	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Z80-Z99	Persons with potential health hazards related to family and personal history and certain conditions influencing health status	F	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
Sub Total		F	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2
		M	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3
		F	51	49	10	521	404	60	24	34	32	62	237	58	129	122	27	37	56	47	135	50	106	56	2,307
Grand Total		M	62	56	20	484	328	67	34	40	34	82	313	53	145	129	24	26	59	29	135	66	146	48	2,380

Annex 4: Causes of Neonatal Mortality by Health District and Sex – 2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kweneng east	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Total	
P00-P04	Fetus and newborn affected by maternal factors and by complications of pregnancy,labour and delivery																							
P03.6	Newborn affected by abnormal uterine contractions	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	Sub Total	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
P05-P08	Disorders to length of gestation and fetal growth																							
P05.2	Fetal malnutrition without mention of light or small for gestational age	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	
P07.0	Extremely low birth weight	F	0	0	0	7	13	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	23
		M	1	0	0	8	7	0	0	2	0	4	0	1	1	0	0	0	0	0	0	0	0	24
P07.1	Other low birth weight	F	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
		M	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
P07.2	Extreme immaturity	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
		M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2
P07.3	Other preterm infants	F	0	1	0	7	6	0	0	0	1	1	0	2	3	0	1	0	0	1	0	1	1	24
		M	1	0	0	7	7	0	0	0	1	3	1	4	4	0	0	0	0	1	1	2	32	
		F	0	1	0	16	19	1	0	0	1	2	1	2	3	0	1	0	1	2	0	2	52	
	Sub Total	M	2	0	0	15	14	0	0	2	2	8	2	5	6	0	0	0	1	1	1	2	61	

Annex 4: Causes of Neonatal Mortality by Health District and Sex – 2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kweneng east	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Total
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period																						
P20.9	Intrauterine hypoxia, unspecified	M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P21.0	Severe birth asphyxia	F	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	2	0	0	0	8
		M	0	0	0	3	0	1	0	0	0	4	1	0	0	0	0	0	3	0	2	0	14
P21.9	Birth asphyxia, unspecified	F	0	0	1	1	0	0	0	0	1	1	0	0	6	0	0	0	0	0	0	1	11
		M	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	0	1	0	1	0	7
P22.0	Respiratory distress syndrome of newborn	F	0	0	0	12	5	0	0	0	1	0	0	1	3	0	0	0	0	0	0	0	22
		M	0	0	0	13	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	18
P22.1	Transient tachypnoea of newborn	M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P22.9	Respiratory distress of newborn, unspecified	F	0	0	0	2	0	0	0	0	0	0	1	0	1	1	0	0	0	1	2	1	9
		M	0	0	0	0	3	0	0	0	1	2	0	0	1	0	0	0	0	5	0	0	12
P23.9	Congenital pneumonia, unspecified	F	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
		M	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	5
P24.0	Neonatal aspiration of meconium	F	0	0	0	1	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	5
		M	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4
P24.3	Neonatal aspiration of milk and regurgitated food	M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P24.9	Neonatal aspiration syndrome, unspecified	F	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
		M	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	2	0	6
P25.1	Pneumothorax originating in the perinatal period	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Annex 4: Causes of Neonatal Mortality by Health District and Sex – 2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Ganisi	Goodhope	Kgalagadi North	Kgalagadi South	Kweneng east	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Total		
P26.1	Massive pulmonary haemorrhage originating in the perinatal period	M	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
		F	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
P26.9	Massive pulmonary haemorrhage originating in the perinatal period	F	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
P27.9	Unspecified chronic respiratory disease originating in the perinatal period	M	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
		F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P28.5	Respiratory failure of newborn	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
P28.9	Respiratory condition of newborn, unspecified	F	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
P29.0	Neonatal cardiac failure	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	
P29.1	Neonatal cardiac dysrhythmia	M	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
P29.3	Persistent fetal circulation	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
P29.8	Other cardiovascular disorders originating in the perinatal period	F	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
Sub Total		F	0	0	2	25	11	0	1	0	3	7	1	4	11	1	0	0	0	2	1	3	2	74	
		M	1	1	0	23	11	2	1	2	2	8	1	2	7	0	0	1	4	7	5	0	78		

Annex 4: Causes of Neonatal Mortality by Health District and Sex - 2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kweneng east	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Total	
P35-P39	Infections specific to the perinatal period																							
P35.2	Congenital herpes-viral(herpes simplex) infection	M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P36.1	Sepsis of newborn due to other and unspecified streptococci	M	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	4
P36.5	Sepsis of newborn due to anaerobes	F	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
P36.8	Other congenital viral diseases	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
P36.9	Bacterial sepsis of newborn, unspecified	F	0	0	0	10	16	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	32
		M	3	0	0	10	11	0	0	2	0	0	0	1	1	0	0	0	0	1	0	0	0	29
P37.2	Neonatal (disseminated) listeriosis	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	11	16	1	0	0	1	0	1	0	3	0	0	0	0	1	0	2	0	36
	Sub Total	M	3	0	0	11	12	0	0	2	0	1	0	2	1	0	0	0	0	2	0	0	0	34
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn																							
P52.2	Intraventricular (nontraumatic) haemorrhage, grade 3, of fetus and newborn	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P52.3	Unspecified intraventricular	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P54.3	Other neonatal gastrointestinal hemorrhage	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
P54.9	Neonatal haemorrhage, unspecified	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P59.9	Neonatal jaundice	M	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
P60	Disseminated intravascular coagulation of fetus and newborn	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Sub Total	M	0	0	0	2	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7

Annex 4: Causes of Neonatal Mortality by Health District and Sex - 2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kweneng east	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Total
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn																						
P70.1	Syndrome of infant of a diabetic mother	M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P70.2	Neonatal diabetes mellitus	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P74.0	Late metabolic acidosis of newborn	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P74.3	Disturbances of potassium balance of newborn	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Sub Total	M	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
P75-P78	Digestive system disorders of fetus and newborn																						
P76.9	Intestinal obstruction of newborn, unspecified	F	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
		M	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
P77	Necrotising enterocolitis of fetus and newborn	F	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
		M	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4
P78.0	Perinatal intestinal perforation	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
P78.3	Noninfective neonatal diarrhoea	F	0	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	1	0	0	5
		M	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P78.8	Other specified perinatal digestive system disorder	F	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	1	0	0	0	2	1	2	0	0	2	0	0	0	0	1	0	0	9
	Sub Total	M	0	0	0	2	1	1	0	0	0	5	0	0	0	0	0	0	0	0	0	0	9

Annex 4: Causes of Neonatal Mortality by Health District and Sex - 2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kweneng east	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Total
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn																						
P80.9	Hypothermia of newborn, unspecified	F	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
		M	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Sub Total		F	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
		M	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
P90 -P96	Other disorders originating in the perinatal period																						
P90	Convulsions of newborn	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P91.6	Hypoxic ischaemic encephalopathy [HIE] of newborn	F	0	0	0	5	2	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	10
		M	0	0	0	5	3	0	0	0	1	0	1	1	1	0	0	0	0	0	1	0	13
P91.8	Other specified disturbances of cerebral status of newborn	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P92.0	Vomiting of newborn	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P96.8	Other specified conditions originating in the perinatal period	F	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
		M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	5	2	0	0	0	0	0	2	1	1	0	0	0	0	1	0	1	13
	Sub Total	M	0	1	0	5	5	0	0	0	1	0	1	1	1	0	0	0	0	0	1	0	16

Annex 4: Causes of Neonatal Mortality by Health District and Sex – 2020 Cont.

ICD 10 Code	Diagnosis	Sex	Bobirwa	Boteti	Chobe	Francistown	Gaborone	Gantsi	Goodhope	Kgalagadi North	Kgalagadi South	Kweneng east	Lobatse	Mahalapye	Ngamiland	North East	Okavango	Palapye	Selibe Phikwe	Serowe	South East	Southern	Total
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities																						
Q03.9	Congenital hydrocephalus, unspecified	M	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Q21.1	Atrial septal defect	M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q24.9	Congenital malformation of heart, unspecified	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q25.0	Patent ductus arteriosus	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q25.1	Coarctation of aorta	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q33.0	Congenital cystic lung	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q33.6	Hypoplasia and dysplasia of lung	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Q41.0	Congenital absence, atresia and stenosis of duodenum	F	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Q41.2	Congenital absence, atresia and stenosis of ileum	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Q75.3	Macrocephaly	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q75.9	Congenital malformation of skull and face bones, unspecified	F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q79.2	Exomphalos	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Q79.3	Gastroschisis	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Q82.5	Congenital non-neoplastic naevus	M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q89.9	Congenital malformation, unspecified	F	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
		M	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
Q90.9	Down's syndrome, unspecified	M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Q91.2	Trisomy 18, translocation	F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		F	0	0	0	4	5	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	11
	Sub Total	M	0	0	0	6	3	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	14
R95-R99	Ill defined and unknown causes of mortality																						
R99	Other ill-defined and unspecified causes of mortality	F	0	0	1	0	2	0	2	0	0	0	0	1	0	0	0	0	1	0	0	1	8
		M	0	0	1	2	2	0	2	0	0	1	2	0	1	0	0	0	0	0	0	2	13
		F	0	0	1	0	2	0	2	0	0	0	0	1	0	0	0	0	1	0	0	1	8
	Sub Total	M	0	0	1	2	2	0	2	0	0	1	2	0	1	0	0	0	0	0	0	2	13
		F	0	1	3	63	62	2	3	2	6	12	5	8	20	1	1	0	4	6	4	8	211
	Grand Total	M	6	2	1	67	57	3	3	6	5	29	6	10	16	0	0	1	5	10	7	4	238

Annex 5: Causes of Neonatal Mortality by sex and Age Group - 2020

ICD10 Code	Diagnosis	Sex	<1	1	2	3	4	5	6	7-13	14-20	21-27	Total
P00-P04	Fetus and newborn affected by maternal factors and by complications of pregnancy,labour and delivery												
P03.6	Newborn affected by abnormal uterine contractions	F	0	0	1	0	0	0	0	0	0	0	1
	Sub Total	F	0	0	1	0	0	0	0	0	0	0	1
P05-P08	Disorders to length of gestation and fetal growth												
P05.2	Fetal malnutrition without mention of light or small for gestational age	M	0	0	0	0	0	0	0	0	0	1	1
P07.0	Extremely low birth weight	F	22	0	0	0	0	0	1	0	0	0	23
		M	21	2	0	0	0	0	0	1	0	0	24
P07.1	Other low birth weight	F	2	0	0	0	0	1	0	0	0	0	3
		M	2	0	0	0	0	0	0	0	0	0	2
P07.2	Extreme immaturity	F	2	0	0	0	0	0	0	0	0	0	2
		M	2	0	0	0	0	0	0	0	0	0	2
P07.3	Other preterm infants	F	22	2	0	0	0	0	0	0	0	0	24
		M	28	1	1	0	0	1	0	0	1	0	32
	Sub Total	F	48	2	0	0	0	1	1	0	0	0	52
		M	53	3	1	0	0	1	0	1	1	1	61
P20 - P29 - Respiratory and cardiovascular disorders specific to the perinatal period													
P20.9	Intrauterine hypoxia, unspecified	M	1	0	0	0	0	0	0	0	0	0	1
P21.0	Severe birth asphyxia	F	7	1	0	0	0	0	0	0	0	0	8
		M	13	0	1	0	0	0	0	0	0	0	14
P21.9	Birth asphyxia, unspecified	F	9	0	0	0	1	0	0	1	0	0	11
		M	5	1	0	1	0	0	0	0	0	0	7
P22.0	Respiratory distress syndrome of newborn	F	18	2	0	0	1	0	0	0	0	1	22
		M	18	0	0	0	0	0	0	0	0	0	18
P22.1	Transient tachypnoea of newborn	M	1	0	0	0	0	0	0	0	0	0	1
P22.9	Respiratory distress of newborn, unspecified	F	5	4	0	0	0	0	0	0	0	0	9
		M	8	2	0	0	0	0	0	0	0	2	12
P23.9	Congenital pneumonia, unspecified	F	2	0	0	0	0	0	0	0	0	0	2
		M	2	1	0	0	0	0	0	0	1	1	5
P24.0	Neonatal aspiration of meconium	F	5	0	0	0	0	0	0	0	0	0	5
		M	3	0	1	0	0	0	0	0	0	0	4
P24.3	Neonatal aspiration of milk and regurgitated food	M	0	0	1	0	0	0	0	0	0	0	1

Annex 5: Causes of Neonatal Mortality by sex and Age Group – 2020 Cont.

ICD10 Code	Diagnosis	Sex	<1	1	2	3	4	5	6	7-13	14-20	21-27	Total
P24.9	Neonatal aspiration syndrome, unspecified	F	0	0	0	0	0	0	0	1	0	1	2
		M	4	0	0	0	0	0	0	2	0	0	6
P25.1	Pneumothorax originating in the perinatal period	F	1	0	0	0	0	0	0	0	0	0	1
		M	1	1	0	0	0	0	0	0	0	0	2
P26.1	Massive pulmonary haemorrhage originating in the perinatal period	F	3	1	0	0	0	0	0	0	0	0	4
P26.9	Massive pulmonary haemorrhage originating in the perinatal period Unspecified pulmonary haemorrhage originating in the perinatal period	F	0	0	0	0	0	0	0	1	0	0	1
		F	3	0	0	0	0	0	0	0	0	0	3
P27.9	Unspecified chronic respiratory disease originating in the perinatal period	M	3	0	0	0	0	0	0	0	0	0	3
		F	1	0	0	0	0	0	0	0	0	0	1
P28.5	Respiratory failure of newborn	M	1	0	0	0	0	0	0	0	0	0	1
P28.9	Respiratory condition of newborn, unspecified	F	1	0	0	0	0	0	0	0	0	0	1
P29.0	Neonatal cardiac failure	F	1	0	0	0	1	0	0	0	0	0	2
		M	2	0	0	0	0	0	0	0	0	0	2
P29.1	Neonatal cardiac dysrhythmia	M	1	0	0	0	0	0	0	0	0	0	1
P29.3	Persistent fetal circulation	F	1	0	0	0	0	0	0	0	0	0	1
P29.8	Other cardiovascular disorders originating in the perinatal period	F	1	0	0	0	0	0	0	0	0	0	1
		F	58	8	0	0	3	0	0	3	0	2	74
Sub Total		M	63	5	3	1	0	0	0	2	1	3	78
P35-P39 - Infections specific to the perinatal period													
P35.2	Congenital herpesviral(herpes simplex) infection	M	0	0	0	0	0	0	0	1	0	0	1
P36.1	Sepsis of newborn due to other and unspecified streptococci	M	3	0	0	0	0	0	0	0	0	1	4
P36.5	Sepsis of newborn due to anaerobes	F	0	0	1	0	0	0	0	1	0	0	2
P36.8	Other congenital viral diseases	F	0	1	0	0	0	0	0	0	0	0	1
P36.9	Bacterial sepsis of newborn, unspecified	F	26	1	0	1	0	0	1	3	0	0	32
		M	20	0	0	0	0	0	0	1	5	3	29
P37.2	Neonatal (disseminated) listeriosis	F	0	0	0	0	0	0	0	0	0	1	1
		F	26	2	1	1	0	0	1	4	0	1	36
Sub Total		M	23	0	0	0	0	0	0	2	5	4	34

Annex 5: Causes of Neonatal Mortality by sex and Age Group – 2020 Cont.

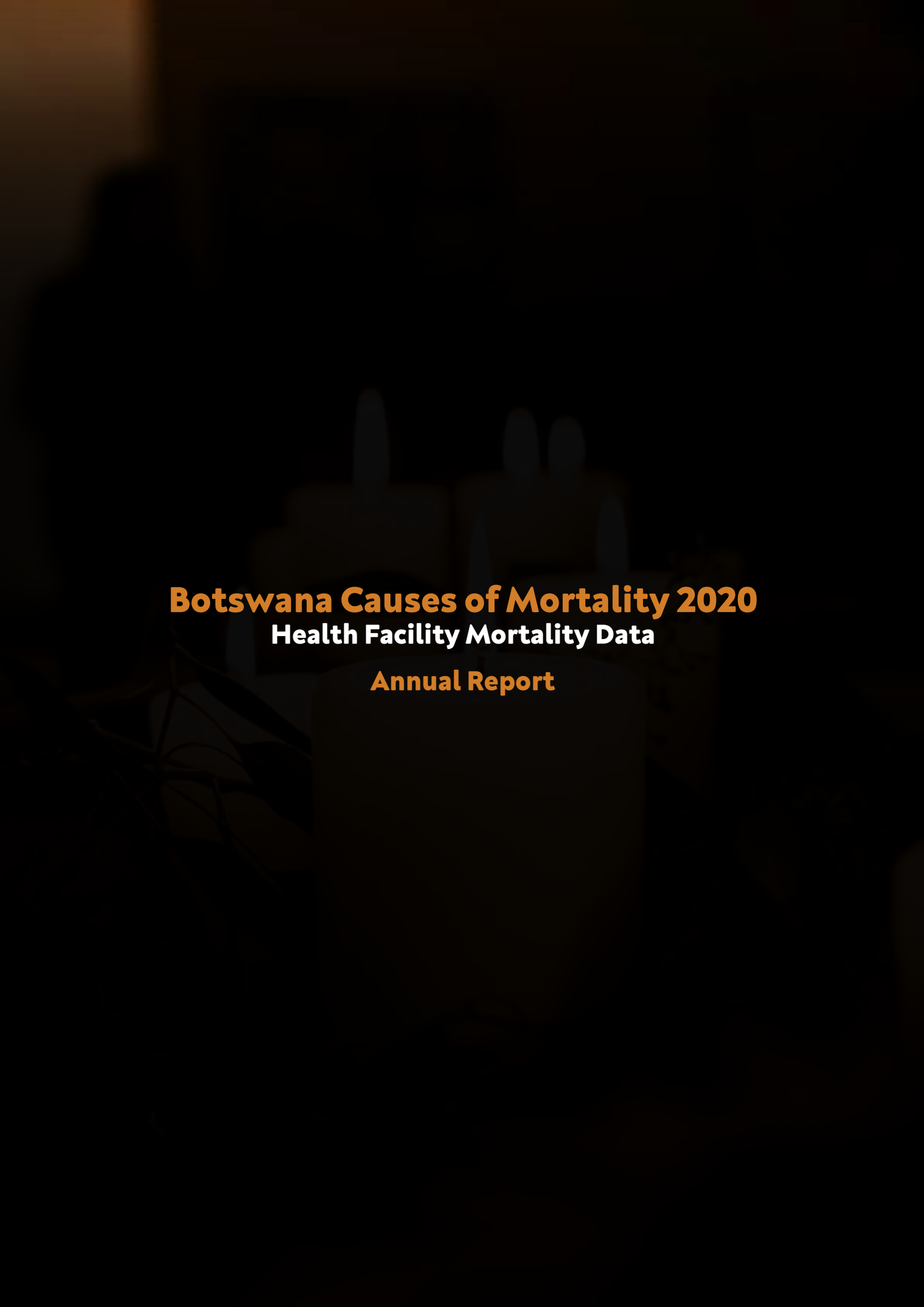
ICD10 Code	Diagnosis	Sex	<1	1	2	3	4	5	6	7-13	14-20	21-27	Total
P50-P61 - Haemorrhagic and haematological disorders of fetus and newborn													
P52.2	Intraventricular (nontraumatic) haemorrhage, grade 3, of fetus and newborn	F	1	0	0	0	0	0	0	0	0	0	1
P52.3	Unspecified intraventricular	M	0	0	0	0	0	0	0	0	1	0	1
P54.3	Other neonatal gastrointestinal hemorrhage	F	0	0	0	0	0	0	0	0	0	1	1
		M	0	0	0	0	0	0	1	0	1	0	2
P54.9	Neonatal haemorrhage, unspecified	M	1	0	0	0	0	0	0	0	0	0	1
P59.9	Neonatal jaundice	M	0	0	0	1	0	0	0	1	0	0	2
P60	Disseminated intravascular coagulation of fetus and newborn	F	1	0	0	0	0	0	0	0	0	0	1
		M	1	0	0	0	0	0	0	0	0	0	1
		F	2	0	0	0	0	0	0	0	0	1	3
	Sub Total	M	2	0	0	1	0	0	1	1	2	0	7
P70-P74 - Transitory endocrine and metabolic disorders specific to fetus and newborn													
P70.1	Syndrome of infant of a diabetic mother	M	1	0	0	0	0	0	0	0	0	0	1
P70.2	Neonatal diabetes mellitus	F	1	0	0	0	0	0	0	0	0	0	1
P74.0	Late metabolic acidosis of newborn	F	1	0	0	0	0	0	0	0	0	0	1
P74.3	Disturbances of potassium balance of newborn	M	1	0	0	0	0	0	0	0	0	0	1
		F	2	0	0	0	0	0	0	0	0	0	2
	Sub Total	M	2	0	0	0	0	0	0	0	0	0	2
P75-P78 - Digestive system disorders of fetus and newborn													
P76.9	Intestinal obstruction of newborn, unspecified	F	1	0	0	0	0	0	0	0	0	0	1
		M	1	0	0	0	0	0	0	1	0	0	2
P77	Necrotising enterocolitis of fetus and newborn	F	1	0	0	0	1	0	0	0	0	0	2
		M	1	0	0	0	0	0	0	1	2	0	4
P78.0	Perinatal intestinal perforation	M	0	0	0	0	0	0	0	1	0	0	1
P78.3	Noninfective neonatal diarrhoea	F	1	0	0	0	0	0	0	0	2	2	5
		M	0	0	0	0	0	0	0	0	0	1	1
P78.8	Other specified perinatal digestive system disorder	F	0	0	0	0	0	0	0	0	0	1	1
		M	1	0	0	0	0	0	0	0	0	0	1
		F	3	0	0	0	1	0	0	0	2	3	9
	Sub Total	M	3	0	0	0	0	0	0	3	2	1	9

Annex 5: Causes of Neonatal Mortality by sex and Age Group – 2020 Cont.

ICD10 Code	Diagnosis	Sex	<1	1	2	3	4	5	6	7-13	14-20	21-27	Total
P80-P83 - Conditions involving the integument and temperature regulation of fetus and newborn													
P80.9	Hypothermia of newborn, unspecified	F	2	0	0	0	0	0	0	0	0	0	2
		M	4	0	0	0	0	0	0	0	0	0	4
		F	2	0	0	0	0	0	0	0	0	0	2
	Sub Total	M	4	0	0	0	0	0	0	0	0	0	4
P90 -P96 - Other disorders originating in the perinatal period													
P90	Convulsions of newborn	M	1	0	0	0	0	0	0	0	0	0	1
P91.6	Hypoxic ischaemic encephalopathy [HIE] of newborn	F	10	0	0	0	0	0	0	0	0	0	10
		M	8	4	1	0	0	0	0	0	0	0	13
P91.8	Other specified disturbances of cerebral status of newborn	M	1	0	0	0	0	0	0	0	0	0	1
P92.0	Vomiting of newborn	F	0	0	0	1	0	0	0	0	0	0	1
P96.8	Other specified conditions originating in the perinatal period	F	2	0	0	0	0	0	0	0	0	0	2
		M	1	0	0	0	0	0	0	0	0	0	1
		F	12	0	0	1	0	0	0	0	0	0	13
	Sub Total	M	11	4	1	0	0	0	0	0	0	0	16
Q00-Q99 - Congenital malformations,deformations and chromosomal abnormalities													
Q03.9	Congenital hydrocephalus, unspecified	M	2	0	0	0	0	0	0	0	0	0	2
Q21.1	Atrial septal defect	M	1	0	0	0	0	0	0	0	0	0	1
Q24.9	Congenital malformation of heart, unspecified	F	0	0	0	0	0	0	0	1	0	0	1
		M	1	0	0	0	0	0	0	0	0	0	1
Q25.0	Patent ductus arteriosus	M	0	0	0	0	0	0	1	0	0	0	1
Q25.1	Coarctation of aorta	F	0	0	0	0	0	0	0	1	0	0	1
Q33.0	Congenital cystic lung	F	1	0	0	0	0	0	0	0	0	0	1
Q33.6	Hypoplasia and dysplasia of lung	M	1	0	0	0	0	0	0	0	0	0	1

Annex 5: Causes of Neonatal Mortality by sex and Age Group – 2020 Cont.

ICD10 Code	Diagnosis	Sex	<1	1	2	3	4	5	6	7-13	14-20	21-27	Total
P80-P83 - Conditions involving the integument and temperature regulation of fetus and newborn													
Q41.0	Congenital absence, atresia and stenosis of duodenum	F	0	0	0	0	1	0	0	0	0	0	1
Q41.2	Congenital absence, atresia and stenosis of ileum	M	0	0	0	0	0	0	0	1	0	0	1
Q75.3	Macrocephaly	F	1	0	0	0	0	0	0	0	0	0	1
Q75.9	Congenital malformation of skull and face bones, unspecified	F	1	0	0	0	0	0	0	0	0	0	1
Q79.2	Exomphalos	M	0	1	0	0	0	0	0	0	0	0	1
Q79.3	Gastroschisis	F	0	1	0	0	0	0	0	0	0	0	1
		M	0	0	1	0	0	0	0	0	0	0	1
Q82.5	Congenital non-neoplastic naevus	M	0	0	0	0	0	0	0	1	0	0	1
Q89.9	Congenital malformation, unspecified	F	3	0	0	0	0	0	0	0	0	0	3
		M	1	1	0	1	0	0	0	0	0	0	3
Q90.9	Down's syndrome, unspecified	M	1	0	0	0	0	0	0	0	0	0	1
Q91.2	Trisomy 18, translocation	F	1	0	0	0	0	0	0	0	0	0	1
		F	7	1	0	0	1	0	0	2	0	0	11
	Sub Total	M	7	2	1	1	0	0	1	2	0	0	14
R95-R99	Ill defined and unknown causes of mortality												
R 99	Other ill-defined and unspecified causes of mortality	F	6	0	0	0	0	0	0	1	0	1	8
		M	9	3	1	0	0	0	0	0	0	0	13
		F	6	0	0	0	0	0	0	1	0	1	8
	Sub Total	M	9	3	1	0	0	0	0	0	0	0	13
		F	166	13	2	2	5	1	2	10	2	8	211
	Grand Total	M	177	17	7	3	0	1	2	11	11	9	238



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