

Leading Causes of Mortality

Table 1. Leading causes of mortality, 2005-2009	Number	Percent
Total Leading causes of mortality, 2005-2009	8152	100
ICD-10-CA Chapter		
Diseases of the circulatory system	2430	29.8
Neoplasms	2358	28.9
Diseases of the respiratory system	781	9.6
Endocrine, nutritional and metabolic diseases	485	5.9
Diseases of the nervous system	459	5.6
External causes of morbidity and mortality	448	5.5
Diseases of the digestive system	338	4.1
Mental and behavioural disorders	299	3.7
Diseases of the genitourinary system	190	2.3
Certain infectious and parasitic diseases	151	1.9
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	76	0.9
Diseases of the musculoskeletal system and connective tissue	44	0.5
Congenital malformations, deformations, and chromosomal abnormalities	35	0.4
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	28	0.3
Certain conditions originating in the perinatal period	20	0.2
Diseases of the skin and subcutaneous tissue	10	0.1

Interpretation:

Table 1 shows the leading causes of mortality in HPECHU from 2005 to 2009 by ICD-10-CA Chapter. The top two leading causes of mortality are diseases of the circulatory system, which includes hypertensive diseases, ischaemic heart diseases and cerebrovascular diseases, and neoplasm (cancer).

The ICD is the international standard diagnostic classification system for all general epidemiological and many health management purposes. It is used to classify diseases and other types of health problems. The current version used in Canada is the ICD-10-CA.

Source: Ontario Mortality Data, 2005-2009, Ontario MOHLTC, IntelliHEALTH ONTARIO, extracted Aug. 12, 2013

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Table 2. Leading causes of mortality by age group, 2005-2009	Age Group				
	0 to 9	10 to 19	20 to 44	45 to 64	65+
Total Leading causes of mortality by age group, 2005-2009	56	31	240	1328	6496
Diseases of the circulatory system	0	1	32	297	2099
Neoplasms	3	5	40	537	1773
Diseases of the respiratory system	3	2	10	70	696
Diseases of the nervous system	1	3	10	36	409
Endocrine, nutritional and metabolic diseases	1	0	14	105	365
Mental and behavioural disorders	0	0	4	16	279
Diseases of the digestive system	1	0	5	83	249
External causes of morbidity and mortality	6	16	107	105	214
Diseases of the genitourinary system	0	0	1	17	172
Certain infectious and parasitic diseases	1	1	3	29	117
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	12	0	8	11	45
Diseases of the musculoskeletal system and connective tissue	0	0	2	5	37
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	0	0	0	3	25
Diseases of the skin and subcutaneous tissue	0	0	0	1	9
Congenital malformations, deformations, and chromosomal abnormalities	8	3	4	13	7
Certain conditions originating in the perinatal period	20	0	0	0	0

Interpretation:

The leading cause of mortality varies by age group. The leading cause for those aged 0-9 are conditions originating in the perinatal period (a period of time from the 28th week of gestation to the 28th day after birth), whereas for ages 10 to 44, the leading cause of mortality are injuries, for those aged 45 to 64, cancer is the leading cause of mortality and for those 65 and over, the leading cause of mortality are diseases of the circulatory system.

Source: Ontario Mortality Data, 2005-2009, Ontario MOHLTC, IntelliHEALTH ONTARIO, extracted Aug. 12, 2013