

Table 1-10

Deaths and mortality rate, by selected grouped causes, sex and geography — Alberta¹

	Number of deaths			Crude mortality rate per 100,000 population ²			Age-standardized mortality rate per 100,000 population ²		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total, all causes of death (A00-Y89) ^{3, 4, 5}	20,987	10,975	10,012	571.6	585.1	557.5	527.2	642.7	431.3
Salmonella infections (A01-A02)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Shigellosis and amoebiasis (A03, A06)	2	1	1	0.1	0.1	0.1	0.1	0.1	0.1
Certain other intestinal infections (A04, A07-A09)	67	27	40	1.8	1.4	2.2	1.7	1.6	1.8
Tuberculosis (A16-A19)	5	4	1	0.1	0.2	0.1	0.1	0.2	0.1
Respiratory tuberculosis (A16)	3	3	0	0.1	0.2	0.0	0.1	0.2	0.0
Other tuberculosis (A17-A19)	2	1	1	0.1	0.1	0.1	0.1	0.0	0.1
Whooping cough (A37)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Scarlet fever and erysipelas (A38, A46)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal infection (A39)	1	1	0	0.0	0.1	0.0	0.0	0.1	0.0
Septicaemia (A40-A41)	185	87	98	5.0	4.6	5.5	4.7	5.4	4.4
Syphilis (A50-A53)	1	0	1	0.0	0.0	0.1	0.0	0.0	0.0
Acute poliomyelitis (A80)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Arthropod-borne viral encephalitis (A83-A84, A85.2)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Measles (B05)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Viral hepatitis (B15-B19)	38	28	10	1.0	1.5	0.6	0.9	1.3	0.4
Human immunodeficiency virus [HIV] disease (B20-B24)	27	19	8	0.7	1.0	0.4	0.7	0.9	0.4
Malaria (B50-B54)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Other and unspecified infectious and parasitic diseases and their sequelae ⁶	50	24	26	1.4	1.3	1.4	1.3	1.3	1.2
Malignant neoplasms (C00-C97)	5,772	3,096	2,676	157.2	165.1	149.0	152.0	182.1	129.7
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	93	60	33	2.5	3.2	1.8	2.4	3.3	1.6
Malignant neoplasm of oesophagus (C15)	154	116	38	4.2	6.2	2.1	4.0	6.4	1.8
Malignant neoplasm of stomach (C16)	147	91	56	4.0	4.9	3.1	3.8	5.2	2.6
Malignant neoplasms of colon, rectum and anus (C18-C21)	602	350	252	16.4	18.7	14.0	15.8	20.7	11.8
Malignant neoplasm of liver and intrahepatic bile ducts (C22)	166	99	67	4.5	5.3	3.7	4.4	5.6	3.4
Malignant neoplasm of pancreas (C25)	336	165	171	9.2	8.8	9.5	8.8	9.6	8.2
Malignant neoplasm of larynx (C32)	21	17	4	0.6	0.9	0.2	0.6	1.1	0.2
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	1,449	794	655	39.5	42.3	36.5	39.2	47.1	33.0
Malignant melanoma of skin (C43)	84	53	31	2.3	2.8	1.7	2.1	2.8	1.4
Malignant neoplasm of breast (C50)	405	2	403	11.0	0.1	22.4	10.3	0.1	19.2
Malignant neoplasm of cervix uteri (C53)	...	...	42	...	...	2.3	...	...	2.1
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	...	...	60	...	...	3.3	...	...	2.7
Malignant neoplasm of ovary (C56)	...	...	136	...	...	7.6	...	...	6.8
Malignant neoplasm of prostate (C61)	...	365	...	...	19.5	...	...	22.7	...
Malignant neoplasms of kidney and renal pelvis (C64-C65)	145	97	48	3.9	5.2	2.7	3.8	5.5	2.2
Malignant neoplasm of bladder (C67)	135	102	33	3.7	5.4	1.8	3.5	6.2	1.5
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	158	95	63	4.3	5.1	3.5	4.2	5.3	3.3
Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	565	311	254	15.4	16.6	14.1	15.1	18.6	12.2
Hodgkin's disease (C81)	12	6	6	0.3	0.3	0.3	0.3	0.4	0.3
Non-Hodgkin's lymphoma (C82-C85)	200	104	96	5.4	5.5	5.3	5.3	6.2	4.5
Leukaemia (C91-C95)	223	126	97	6.1	6.7	5.4	6.0	7.6	4.7
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	129	74	55	3.5	3.9	3.1	3.5	4.4	2.8
Other and unspecified malignant neoplasms of lymphoid, haematopoietic and related tissue (C96)	1	1	0	0.0	0.1	0.0	0.0	0.1	0.0
All other and unspecified malignant neoplasms (C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97)	709	379	330	19.3	20.2	18.4	18.4	22.3	15.6
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behaviour (D00-D48)	150	79	71	4.1	4.2	4.0	3.8	4.7	3.4
Anaemias (D50-D64)	39	22	17	1.1	1.2	0.9	1.0	1.4	0.8
Diabetes mellitus (E10-E14)	406	217	189	11.1	11.6	10.5	10.3	13.0	8.2
Nutritional deficiencies (E40-E64)	18	5	13	0.5	0.3	0.7	0.4	0.3	0.5
Malnutrition (E40-E46)	14	4	10	0.4	0.2	0.6	0.3	0.2	0.4
Other nutritional deficiencies (E50-E64)	4	1	3	0.1	0.1	0.2	0.1	0.1	0.1
Meningitis (G00, G03)	6	4	2	0.2	0.2	0.1	0.2	0.2	0.1
Parkinson's disease (G20-G21)	114	69	45	3.1	3.7	2.5	2.9	4.4	1.8
Alzheimer's disease (G30)	400	137	263	10.9	7.3	14.6	9.3	8.6	9.5
Major cardiovascular diseases (I00-I78)	6,598	3,358	3,240	179.7	179.0	180.4	160.7	201.2	126.6
Diseases of heart (I00-I09, I11, I13, I20-I51)	4,908	2,636	2,272	133.7	140.5	126.5	120.2	157.0	90.1
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	29	9	20	0.8	0.5	1.1	0.8	0.6	0.9
Hypertensive heart disease (I11)	81	36	45	2.2	1.9	2.5	1.9	2.0	1.7
Hypertensive heart and renal disease (I13)	11	2	9	0.3	0.1	0.5	0.3	0.1	0.3
Ischaemic heart diseases (I20-I25)	3,804	2,170	1,634	103.6	115.7	91.0	93.6	128.6	65.3
Acute myocardial infarction (I21-I22)	1,098	623	475	29.9	33.2	26.4	27.0	37.4	18.8
Other acute ischaemic heart diseases (I24)	33	18	15	0.9	1.0	0.8	0.8	1.1	0.5

See footnotes at the end of the table.

Table 1-10 – continued

Deaths and mortality rate, by selected grouped causes, sex and geography — Alberta¹

	Number of deaths			Crude mortality rate per 100,000 population ²			Age-standardized mortality rate per 100,000 population ²		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Other forms of chronic ischaemic heart disease (I20, I25)	2,673	1,529	1,144	72.8	81.5	63.7	65.8	90.1	45.9
Atherosclerotic cardiovascular disease, so described (I25.0)	840	513	327	22.9	27.4	18.2	21.5	29.4	14.6
All other forms of chronic ischaemic heart disease (I20, I25.1-I25.9)	1,833	1,016	817	49.9	54.2	45.5	44.3	60.8	31.4
Other heart diseases (I26-I51)	983	419	564	26.8	22.3	31.4	23.6	25.7	21.9
Acute and subacute endocarditis (I33)	12	5	7	0.3	0.3	0.4	0.3	0.2	0.3
Diseases of pericardium and acute myocarditis (I30-I31, I40)	7	2	5	0.2	0.1	0.3	0.2	0.1	0.3
Heart failure (I50)	380	135	245	10.3	7.2	13.6	8.7	8.6	8.9
All other forms of heart disease (I26-I28, I34-I38, I42-I49, I51)	584	277	307	15.9	14.8	17.1	14.4	16.8	12.4
Essential hypertension and hypertensive renal disease (I10, I12, I15)	149	55	94	4.1	2.9	5.2	3.5	3.4	3.4
Cerebrovascular diseases (I60-I69)	1,171	492	679	31.9	26.2	37.8	28.1	30.2	25.9
Atherosclerosis (I70)	185	66	119	5.0	3.5	6.6	4.2	4.1	4.0
Other diseases of circulatory system (I71-I78)	185	109	76	5.0	5.8	4.2	4.7	6.5	3.2
Aortic aneurysm and dissection (I71)	129	91	38	3.5	4.9	2.1	3.3	5.5	1.5
Other diseases of arteries, arterioles and capillaries (I72-I78)	56	18	38	1.5	1.0	2.1	1.4	1.1	1.6
Other disorders of circulatory system (I80-I99)	32	16	16	0.9	0.9	0.9	0.8	0.9	0.6
Influenza and pneumonia (J09-J18)	471	223	248	12.8	11.9	13.8	11.3	13.4	9.8
Influenza (J09-J11)	68	26	42	1.9	1.4	2.3	1.7	1.4	2.0
Pneumonia (J12-J18)	403	197	206	11.0	10.5	11.5	9.6	12.0	7.9
Other acute lower respiratory infections (J20-J22)	1	0	1	0.0	0.0	0.1	0.0	0.0	0.0
Acute bronchitis and bronchiolitis (J20-J21)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Unspecified acute lower respiratory infection (J22)	1	0	1	0.0	0.0	0.1	0.0	0.0	0.0
Chronic lower respiratory diseases (J40-J47)	925	492	433	25.2	26.2	24.1	23.9	30.8	19.4
Bronchitis, chronic and unspecified (J40-J42)	5	3	2	0.1	0.2	0.1	0.1	0.2	0.1
Emphysema (J43)	59	33	26	1.6	1.8	1.4	1.6	2.0	1.4
Asthma (J45-J46)	20	7	13	0.5	0.4	0.7	0.5	0.4	0.6
Other chronic lower respiratory diseases (J44, J47)	841	449	392	22.9	23.9	21.8	21.7	28.2	17.4
Pneumoconioses and chemical effects (J60-J66, J68)	17	11	6	0.5	0.6	0.3	0.4	0.6	0.3
Pneumonitis due to solids and liquids (J69)	205	113	92	5.6	6.0	5.1	4.9	7.1	3.4
Other diseases of respiratory system (J00-J06, J30-J39, J67, J70-J98)	232	133	99	6.3	7.1	5.5	5.9	8.0	4.2
Peptic ulcer (K25-K28)	43	21	22	1.2	1.1	1.2	1.1	1.2	0.9
Diseases of appendix (K35-K38)	5	3	2	0.1	0.2	0.1	0.2	0.2	0.1
Hernia (K40-K46)	22	12	10	0.6	0.6	0.6	0.6	0.8	0.4
Chronic liver disease and cirrhosis (K70, K73-K74)	238	148	90	6.5	7.9	5.0	5.9	7.5	4.5
Alcoholic liver disease (K70)	130	91	39	3.5	4.9	2.2	3.1	4.4	1.9
Other chronic liver disease and cirrhosis (K73-K74)	108	57	51	2.9	3.0	2.8	2.8	3.1	2.6
Cholelithiasis and other disorders of gallbladder (K80-K82)	25	9	16	0.7	0.5	0.9	0.6	0.6	0.6
Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	303	142	161	8.3	7.6	9.0	7.2	8.8	6.2
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)	2	2	0	0.1	0.1	0.0	0.0	0.1	0.0
Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03, N05-N07, N26)	12	9	3	0.3	0.5	0.2	0.3	0.6	0.1
Renal failure (N17-N19)	288	131	157	7.8	7.0	8.7	6.8	8.1	6.0
Other disorders of kidney (N25, N27)	1	0	1	0.0	0.0	0.1	0.0	0.0	0.1
Infections of kidney (N10-N12, N13.6, N15.1)	4	1	3	0.1	0.1	0.2	0.1	0.1	0.1
Hyperplasia of prostate (N40)	...	6	...	...	0.3	...	...	0.4	...
Inflammatory diseases of female pelvic organs (N70-N76)	...	...	3	...	...	0.2	...	...	0.2
Pregnancy, childbirth and the puerperium (O00-O99)	...	...	5	...	...	0.3	...	...	0.3
Pregnancy with abortive outcome (O00-O07)	...	...	1	...	...	0.1	...	...	0.1
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	...	...	4	...	...	0.2	...	...	0.2
Certain conditions originating in the perinatal period (P00-P96)	169	90	79	4.6	4.8	4.4	4.7	4.8	4.5
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	106	53	53	2.9	2.8	3.0	2.8	2.8	2.8
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	162	75	87	4.4	4.0	4.8	3.9	4.0	3.4
All other diseases (residual) ⁷	2,300	978	1,322	62.6	52.1	73.6	55.6	58.0	52.7
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	900	596	304	24.5	31.8	16.9	23.2	32.5	14.2
Transport accidents (V01-V99, Y85)	400	295	105	10.9	15.7	5.8	10.7	15.4	5.7
Motor vehicle accidents ⁸	363	269	94	9.9	14.3	5.2	9.8	14.1	5.2
Other land transport accidents ⁹	7	4	3	0.2	0.2	0.2	0.2	0.2	0.2
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99, Y85)	30	22	8	0.8	1.2	0.4	0.8	1.1	0.4
Nontransport accidents (W00-X59, Y86)	500	301	199	13.6	16.0	11.1	12.5	17.1	8.4
Falls (W00-W19)	180	104	76	4.9	5.5	4.2	4.4	6.2	3.1

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	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Accidental discharge of firearms (W32-W34)	4	4	0	0.1	0.2	0.0	0.1	0.2	0.0
Accidental drowning and submersion (W65-W74)	17	12	5	0.5	0.6	0.3	0.5	0.6	0.3
Accidental exposure to smoke, fire and flames (X00-X09)	21	11	10	0.6	0.6	0.6	0.6	0.6	0.5
Accidental poisoning and exposure to noxious substances (X40-X49)	40	26	14	1.1	1.4	0.8	1.0	1.3	0.6
Other and unspecified nontransport accidents and their sequelae (W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86)	238	144	94	6.5	7.7	5.2	5.9	8.2	3.8
Intentional self-harm (suicide) (X60-X84, Y87.0)	480	378	102	13.1	20.2	5.7	12.2	18.8	5.3
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	70	69	1	1.9	3.7	0.1	1.8	3.5	0.1
Intentional self-harm (suicide) by other and unspecified means and their sequelae (X60-X71, X75-X84, Y87.0)	410	309	101	11.2	16.5	5.6	10.4	15.4	5.2
Assault (homicide) (X85-Y09, Y87.1)	88	68	20	2.4	3.6	1.1	2.4	3.5	1.1
Assault (homicide) by discharge of firearms (X93-X95)	26	20	6	0.7	1.1	0.3	0.7	1.1	0.3
Assault (homicide) by other and unspecified means and their sequelae (X85-X92, X96-Y09, Y87.1)	62	48	14	1.7	2.6	0.8	1.7	2.5	0.8
Legal intervention (Y35, Y89.0)	3	3	0	0.1	0.2	0.0	0.1	0.2	0.0
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	345	220	125	9.4	11.7	7.0	8.7	10.7	6.5
Discharge of firearms, undetermined intent (Y22-Y24)	1	1	0	0.0	0.1	0.0	0.0	0.0	0.0
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21, Y25-Y34, Y87.2, Y89.9)	344	219	125	9.4	11.7	7.0	8.6	10.6	6.5
Operations of war and their sequelae (Y36, Y89.1)	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
Complications of medical and surgical care (Y40-Y84, Y88)	18	6	12	0.5	0.3	0.7	0.5	0.4	0.5

1. The geographic distribution of deaths in this table is based on the deceased's usual place of residence.
2. Starting in 2005, the population estimates used to calculate the mortality rates are presented in the Appendix II of the publication "Mortality Summary List of Causes" (catalogue number 84F0209XIE).
3. The cause of death tabulated is the underlying cause of death. This is defined as (a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury. The underlying cause is selected from the conditions listed on the medical certificate of cause of death.
4. World Health Organization (WHO), International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10)
5. National Center for Health Statistics, United States. "B" list in "Instruction Manual; Part 9; ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics".
6. Other and unspecified infectious and parasitic diseases and their sequelae A00, A05, A20 to A36, A42 to A44, A48 to A49, A54 to A79, A81 to A82, A85.0 to A85.1, A85.8, A86 to B04, B06 to B09, B25 to B49, B55 to B99.
7. All other diseases (residual) D65 to E07, E15 to E34, E65 to F99, G04 to G12, G23 to G25, G31 to H93, K00 to K22, K29 to K31, K50 to K66, K71 to K72, K75 to K76, K83 to M99, N13.0 to N13.5, N13.7 to N13.9, N14, N15.0, N15.8 to N15.9, N20 to N23, N28 to N39, N41 to N64, N80 to N98. As of 2003, also includes U04.
8. Motor vehicle accidents V02 to V04, V09.0, V09.2, V12 to V14, V19.0 to V19.2, V19.4 to V19.6, V20 to V79, V80.3 to V80.5, V81.0 to V81.1, V82.0 to V82.1, V83 to V86, V87.0 to V87.8, V88.0 to V88.8, V89.0, V89.2.
9. Other land transport accidents V01, V05 to V06, V09.1, V09.3 to V09.9, V10 to V11, V15 to V18, V19.3, V19.8 to V19.9, V80.0 to V80.2, V80.6 to V80.9, V81.2 to V81.9, V82.2 to V82.9, V87.9, V88.9, V89.1, V89.3, V89.9.

Note(s): See Data quality, concepts and methodology — Explanatory notes for the tables section.

Source(s): Statistics Canada, Canadian Vital Statistics, Birth and Death Databases (CANSIM table 102-0552) and Appendix II.