

Statistics Canada

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Potential years of life lost, by selected causes of death (ICD-10) and sex, five-year average, Canada and Inuit regions

every 5 years

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Geography ^a = Inuit Nunangat ^b

Sex	Selected causes of death (ICD-10) ^{1a}	Characteristics ^a	1994-1998	1999-2003	2004-2008
Both sexes	Total, all causes of death [A00-Y89]	Number of potential years of life lost	34,051	37,341	33,728
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	15,835.6	16,021.5	13,562.9
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	15,208.5	16,021.5	12,974.5
	All malignant neoplasms (cancers) [C00-C97]	Number of potential years of life lost	3,380	3,557	3,498
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	1,571.8	1,525.9	1,406.5
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	1,704.3	1,525.9	1,276.2
	Colorectal cancer [C18-C21]	Number of potential years of life lost	343	590	512
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	159.3	253.1	206.1
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	173.7	253.1	192.5
	Lung cancer [C33-C34]	Number of potential years of life lost	953	1,268	932
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	443.0	543.8	375.0
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	491.2	543.8	318.2
	Circulatory diseases [I00-I99]	Number of potential years of life lost	2,446	2,194	2,336
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	1,137.7	941.3	939.3
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	1,146.8	941.3	878.5
	Ischaemic heart diseases [I20-I25]	Number of potential years of life lost	525	738	692
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	244.2	316.4	278.5
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	271.8	316.4	249.5
	Cerebrovascular diseases [I60-I69]	Number of potential years of life lost	583	538	374
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	270.9	230.6	150.6
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	296.9	230.6	138.8
	All other circulatory diseases [I00-I02, I05-I09, I10-I15, I26-I28, I30-I52, I70-I79, I80-I89, I95-I99]	Number of potential years of life lost	1,339	919	1,269
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	622.6	394.3	510.2
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{4a}	578.1	394.3	490.2

Sex	Selected causes of death (ICD-10) ^{1a}	Characteristics ^b	1994-1998	1999-2003	2004-2008
	Respiratory diseases (excluding infectious and parasitic diseases) [J00-J99]	Number of potential years of life lost	1,733	1,300	1,541
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	806.0	557.7	619.5
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	753.0	557.7	577.6
	Pneumonia and influenza [J10-J18]	Number of potential years of life lost	559	481	x
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	260.1	206.3	x
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	215.4	206.3	6.6
	Bronchitis, emphysema and asthma [J40-J43, J45-J46]	Number of potential years of life lost	590	448	x
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	274.1	192.0	x
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	290.2	192.0	x
	All other respiratory diseases [J00-J06, J20-J22, J30-J39, J44, J47, J60-J70, J80-J84, J85-J86, J90-J94, J95-J99]	Number of potential years of life lost	584	372	1,094
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	271.7	159.4	440.0
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	247.3	159.4	399.9
	Unintentional injuries [V01-X59, Y85-Y86]	Number of potential years of life lost	8,503	8,898	6,339
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	3,954.3	3,817.8	2,549.0
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	3,960.7	3,817.8	2,512.3
	Suicides and self-inflicted injuries [X60-X84, Y87.0]	Number of potential years of life lost	7,920	12,623	9,772
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	3,683.2	5,415.8	3,929.8
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	3,694.1	5,415.8	3,748.7
Males	Total, all causes of death [A00-Y89]	Number of potential years of life lost	22,590	25,496	22,730
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	20,083.2	21,119.1	17,813.2
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	19,442.9	21,076.2	17,293.2
	All malignant neoplasms (cancers) [C00-C97]	Number of potential years of life lost	1,703	1,915	1,638
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	1,513.6	1,585.8	1,283.3
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	1,591.1	1,538.5	1,127.8
	Colorectal cancer [C18-C21]	Number of potential years of life lost	198	328	212
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	175.6	271.3	166.5
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	181.5	261.7	143.8
	Lung cancer [C33-C34]	Number of potential years of life lost	445	685	515
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	395.6	567.4	403.6
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	418.4	543.2	336.1
	Prostate cancer [C61]	Number of potential years of life lost	x	x	x

Sex	Selected causes of death (ICD-10) ^{1a}	Characteristics ^a	1994-1998	1999-2003	2004-2008
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	x	x	x
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	x	x	x
	Circulatory diseases [I00-I99]	Number of potential years of life lost	1,704	1,287	1,297
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	1,515.0	1,066.1	1,016.7
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	1,500.4	1,037.4	907.4
	Ischaemic heart diseases [I20-I25]	Number of potential years of life lost	x	553	575
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	x	457.7	450.6
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	432.2	444.7	388.0
	Cerebrovascular diseases [I60-I69]	Number of potential years of life lost	410	180	170
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	364.5	149.1	133.2
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	385.6	142.2	112.2
	All other circulatory diseases [I00-I02, I05-I09, I10-I15, I26-I28, I30-I52, I70-I79, I80-I89, I95-I99]	Number of potential years of life lost	844	555	552
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	750.4	459.3	432.8
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	682.6	450.6	407.2
	Respiratory diseases (excluding infectious and parasitic diseases) [J00-J99]	Number of potential years of life lost	849	594	614
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	754.8	491.9	481.5
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	688.2	477.5	453.2
	Pneumonia and influenza [J10-J18]	Number of potential years of life lost	x	x	x
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	x	x	x
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	236.7	x	5.5
	Bronchitis, emphysema and asthma [J40-J43, J45-J46]	Number of potential years of life lost	210	203	x
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	186.7	167.7	x
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	192.6	157.7	x
	All other respiratory diseases [J00-J06, J20-J22, J30-J39, J44, J47, J60-J70, J80-J84, J85-J86, J90-J94, J95-J99]	Number of potential years of life lost	327	170	400
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	290.5	140.4	313.5
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	258.9	137.4	284.2
	Unintentional injuries [V01-X59, Y85-Y86]	Number of potential years of life lost	6,275	6,233	4,810
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	5,579.0	5,163.2	3,769.4
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1b}	5,654.7	5,178.5	3,759.3
	Suicides and self-inflicted injuries [X60-X84, Y87.0]	Number of potential years of life lost	6,243	10,293	7,758
			5,549.9	8,525.6	6,079.5

Sex	Selected causes of death (ICD-10) ^{1a}	Characteristics ^a	1994-1998	1999-2003	2004-2008
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²			
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	5,574.9	8,604.9	5,885.8
Females	Total, all causes of death [A00-Y89]	Number of potential years of life lost	11,462	11,845	10,998
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	11,176.6	10,543.7	9,083.5
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	10,557.9	10,682.6	8,618.5
	All malignant neoplasms (cancers) [C00-C97]	Number of potential years of life lost	1,677	1,642	1,860
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	1,635.7	1,461.6	1,536.2
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	1,806.9	1,532.5	1,451.8
	Colorectal cancer [C18-C21]	Number of potential years of life lost	145	263	300
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	141.4	233.7	247.8
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	165.2	241.5	246.4
	Lung cancer [C33-C34]	Number of potential years of life lost	508	583	418
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	494.9	518.5	344.8
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	572.8	551.1	302.6
	Breast cancer [C50]	Number of potential years of life lost	x	145	242
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	x	129.1	200.3
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	x	130.5	201.1
	Circulatory diseases [I00-I99]	Number of potential years of life lost	742	907	1,038
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	723.7	807.2	857.7
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	749.7	825.9	847.1
	Ischaemic heart diseases [I20-I25]	Number of potential years of life lost	x	185	118
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	x	164.7	97.0
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	x	167.4	96.5
	Cerebrovascular diseases [I60-I69]	Number of potential years of life lost	173	358	204
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	168.2	318.2	168.9
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	193.8	329.5	169.4
All other circulatory diseases [I00-I02, I05-I09, I10-I15, I26-I28, I30-I52, I70-I79, I80-I89, I95-I99]	Number of potential years of life lost	495	364	716	
	Crude rate of potential years of life lost (crude rate per 100,000 population) ²	482.4	324.4	591.7	
	Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	463.8	329.0	581.3	
Respiratory diseases (excluding infectious and parasitic diseases) [J00-J99]	Number of potential years of life lost	884	706	926	
		862.1	628.3	765.0	

Sex	Selected causes of death (ICD-10) ^{1a}	Characteristics ^a	1994-1998	1999-2003	2004-2008
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²			
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	827.4	649.2	709.2
	Pneumonia and influenza [J10-J18]	Number of potential years of life lost	x	x	x
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	x	x	x
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	x	233.6	8.1
	Bronchitis, emphysema and asthma [J40-J43, J45-J46]	Number of potential years of life lost	380	245	x
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	370.1	218.1	x
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	401.2	231.1	x
	All other respiratory diseases [J00-J06, J20-J22, J30-J39, J44, J47, J60-J70, J80-J84, J85-J86, J90-J94, J95-J99]	Number of potential years of life lost	257	202	694
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	251.0	179.8	573.4
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	237.6	184.5	517.7
	Unintentional injuries [V01-X59, Y85-Y86]	Number of potential years of life lost	2,228	2,665	1,529
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	2,172.3	2,372.0	1,262.8
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	2,075.0	2,368.8	1,222.8
	Suicides and self-inflicted injuries [X60-X84, Y87.0]	Number of potential years of life lost	1,678	2,330	2,015
		Crude rate of potential years of life lost (crude rate per 100,000 population) ²	1,635.8	2,074.0	1,664.3
		Age-standardized rate of potential years of life lost (age-standardized rate per 100,000 population) ^{1a}	1,660.7	2,051.0	1,566.7

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Symbol legend:

x Suppressed to meet the confidentiality requirements of the Statistics Act

Footnotes:

1. Sources: Statistics Canada, Canadian Vital Statistics, Death Database and Demography Division (population estimates)
2. Potential years of life lost (PYLL) is the number of years of potential life not lived when a person dies "prematurely", defined for this indicator as before age 75.
3. Numbers and rates on this table are based on the summation of five consecutive years of deaths data.
4. Rates in this table exclude: deaths of non-residents of Canada; deaths of residents of Canada whose province or territory of residence was unknown; and, deaths for which age or sex of decedent was unknown.
5. The geographic distribution of deaths in this table is based on the place of residence of the deceased.
6. Numbers and rates for Canada include deaths for Inuit Nunangat.
7. Inuit Nunangat is comprised of four regions created through the signing of land claims agreements and from west to east includes the Inuvialuit Region in the Northwest Territories, Nunavut, Nunavik north of the 55th parallel in Quebec and Nunatsiavut in northern Labrador (Inuit Tapiriit Kanatami, 2008).
8. Population estimates for are based on the 2001 Census adjusted for net undercoverage and components of population growth. For 1996, population estimates are final intercensal, for 2001 they are final postcensal, and for 2006 they are updated postcensal.
9. The rate is calculated as follows: sum of potential years of life lost (PYLL) for ages 0 to 74 for the five years of reference, divided by five times the estimate of the population aged 0 to 74 for the middle year of the five years of reference.
10. Age-standardized to the 2001 total population age structure of Inuit Nunangat.
11. The confidence intervals were produced via the Fleiss method (Fleiss JL, Statistical Methods for Rates and Proportions, 2nd Ed, Wiley and Sons, NY, 1981, page 14, Formula (1.26) and (1.27)).
12. The 95% confidence interval (CI) illustrates the degree of variability associated with a number or a rate. Wide confidence intervals indicate high variability and thus the rates associated with them should be interpreted and compared with caution.
13. World Health Organization (WHO), International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10)
14. In 2006, new Census geography identified the reserve of Natuashish, within the unorganized territory of Division No. 10, Subd. E. As a result, the latest data for Nunatsiavut are based on different boundaries excluding this reserve, which contained 706 people as of 2006 Census, and represent about 23% of the Nunatsiavut population.

Source: Statistics Canada. *Table 102-0705 - Potential years of life lost, by selected causes of death (ICD-10) and sex, five-year average, Canada and Inuit regions, every 5 years*, CANSIM (database). (accessed:)

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Date modified: 2012-12-10