

**Table 103-0403** [1,2,3,15](#)

**Cancer incidence, by selected sites of cancer and sex, three-year average, Canada, provinces, territories and health regions (June 2005 boundaries), occasional (age-standardized rate per 100,000 population)**

**Survey or program details:**

Canadian Cancer Registry - [3207](#)

Estimates of Population by Age and Sex for Canada, Provinces and Territories - [3604](#)

Geography <sup>4</sup>	Sex	Selected sites of cancer (ICD-O-3) <sup>9</sup>	Characteristics <sup>12,13,14</sup>	2001	2002	2003
Yukon Territory [60]	Both sexes	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	338.3	335.1	375.8
			Low 95% confidence interval, cancer incidence	291.4	289.3	327.3
			High 95% confidence interval, cancer incidence	385.2	381.0	424.3
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	53.7	53.2	56.9
			Low 95% confidence interval, cancer incidence	34.1	34.8	38.2
			High 95% confidence interval, cancer incidence	73.4	71.7	75.6
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	49.3	41.8	54.3
			Low 95% confidence interval, cancer incidence	30.4	23.9	34.1
			High 95% confidence interval, cancer incidence	68.3	59.7	74.5
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
	Males	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	366.1	369.2	446.9
			Low 95% confidence interval, cancer incidence	294.3	298.9	367.9
			High 95% confidence interval, cancer incidence	438.0	439.5	525.9
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	65.0	58.8	71.6
			Low 95% confidence interval, cancer incidence	33.4	31.2	41.2
			High 95% confidence interval, cancer incidence	96.5	86.4	102.0
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	75.5	51.9	66.0
			Low 95% confidence interval, cancer incidence	42.1	23.9	35.3
			High 95% confidence interval, cancer incidence	108.9	79.9	96.7
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...

		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	72.0	107.2	104.7
			Low 95% confidence interval, cancer incidence	36.2	64.2	62.4
			High 95% confidence interval, cancer incidence	107.8	150.2	147.1
	Females	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	314.5	300.8	308.3
			Low 95% confidence interval, cancer incidence	251.3	240.7	248.5
			High 95% confidence interval, cancer incidence	377.6	361.0	368.2
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	42.4	46.4	39.7
			Low 95% confidence interval, cancer incidence	18.0	22.6	18.9
			High 95% confidence interval, cancer incidence	66.9	70.1	60.4
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	x	x	x
			Low 95% confidence interval, cancer incidence	x	x	x
			High 95% confidence interval, cancer incidence	x	x	x
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	105.3	85.5	95.4
			Low 95% confidence interval, cancer incidence	69.5	54.7	62.4
			High 95% confidence interval, cancer incidence	141.1	116.4	128.4
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
	Both sexes	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	319.7	331.9	366.8
			Low 95% confidence interval, cancer incidence	273.2	285.7	318.4
			High 95% confidence interval, cancer incidence	366.1	378.1	415.2
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	84.7	82.7	93.3
			Low 95% confidence interval, cancer incidence	60.0	58.4	67.1
			High 95% confidence interval, cancer incidence	109.3	106.9	119.6
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	53.5	41.7	58.6
			Low 95% confidence interval, cancer incidence	34.0	24.8	38.3
			High 95% confidence interval, cancer incidence	73.0	58.6	78.9
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
		All invasive primary cancer sites (including in situ bladder)	Cancer incidence	326.7	319.2	379.4
			Low 95% confidence interval, cancer incidence	260.0	253.8	307.5
			High 95% confidence interval, cancer incidence	393.4	384.6	451.4

Northwest Territories [61]	Males	Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	96.2	97.6	126.5
			Low 95% confidence interval, cancer incidence	60.1	59.7	82.4
			High 95% confidence interval, cancer incidence	132.4	135.6	170.7
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	59.4	33.8	55.0
			Low 95% confidence interval, cancer incidence	30.8	13.7	26.6
			High 95% confidence interval, cancer incidence	88.0	54.0	83.5
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	55.5	63.8	64.2
			Low 95% confidence interval, cancer incidence	25.7	33.1	34.7
			High 95% confidence interval, cancer incidence	85.4	94.6	93.8
	Females	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	319.6	359.6	364.1
			Low 95% confidence interval, cancer incidence	252.4	290.6	296.6
			High 95% confidence interval, cancer incidence	386.7	428.6	431.6
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	74.2	72.5	63.0
			Low 95% confidence interval, cancer incidence	38.9	39.0	31.4
			High 95% confidence interval, cancer incidence	109.5	105.9	94.6
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	49.2	50.7	65.1
			Low 95% confidence interval, cancer incidence	21.3	22.8	34.5
			High 95% confidence interval, cancer incidence	77.0	78.5	95.8
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	112.4	149.1	132.3
			Low 95% confidence interval, cancer incidence	76.3	106.4	94.1
			High 95% confidence interval, cancer incidence	148.6	191.9	170.5
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
	Both sexes	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	601.8	591.8	524.4
			Low 95% confidence interval, cancer incidence	490.5	478.5	423.1
			High 95% confidence interval, cancer incidence	713.2	705.2	625.6
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	102.0	86.1	67.5
			Low 95% confidence interval, cancer incidence	56.6	44.9	34.3
			High 95% confidence interval, cancer incidence	147.4	127.3	100.7
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	292.1	296.3	258.3
			Low 95% confidence interval, cancer incidence	210.6	212.6	181.7
			High 95% confidence interval, cancer incidence	373.6	379.9	334.9

Nunavut [62]		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
	Males	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	495.9	536.1	519.4
			Low 95% confidence interval, cancer incidence	366.1	397.0	388.3
			High 95% confidence interval, cancer incidence	625.8	675.2	650.5
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	x	60.9	75.4
			Low 95% confidence interval, cancer incidence	x	17.9	29.2
			High 95% confidence interval, cancer incidence	x	103.9	121.6
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	259.5	270.5	243.3
			Low 95% confidence interval, cancer incidence	161.3	170.5	149.9
			High 95% confidence interval, cancer incidence	357.7	370.5	336.7
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	x	x	x
			Low 95% confidence interval, cancer incidence	x	x	x
			High 95% confidence interval, cancer incidence	x	x	x
	Females	All invasive primary cancer sites (including in situ bladder)	Cancer incidence	751.3	679.5	561.8
			Low 95% confidence interval, cancer incidence	553.0	485.3	392.8
			High 95% confidence interval, cancer incidence	949.6	873.6	730.9
		Colon, rectum and rectosigmoid junction cancer [C18.0-C18.9, C19.9, C20.9, C26.0]	Cancer incidence	174.0	121.6	61.3
			Low 95% confidence interval, cancer incidence	75.3	42.1	12.4
			High 95% confidence interval, cancer incidence	272.6	201.1	110.2
		Bronchus and lung cancer [C34.0-C34.9]	Cancer incidence	340.9	344.4	304.7
			Low 95% confidence interval, cancer incidence	200.6	195.0	165.3
			High 95% confidence interval, cancer incidence	481.2	493.8	444.1
		Female breast cancer [C50.0-C50.9] <sup>10</sup>	Cancer incidence	x	x	x
			Low 95% confidence interval, cancer incidence	x	x	x
			High 95% confidence interval, cancer incidence	x	x	x
		Prostate cancer [C61.9] <sup>11</sup>	Cancer incidence	...	...	...
			Low 95% confidence interval, cancer incidence	...	...	...
			High 95% confidence interval, cancer incidence	...	...	...

## Symbol legend:

x Suppressed to meet the confidentiality requirements of the Statistics Act

\*\*\* Not applicable

## Footnotes:

1. Sources: Statistics Canada, Canadian Cancer Registry (CCR) Database and Demography Division (population estimates). The 2001 and 2002 data are based on the July 2005 CCR file, whereas the 2003 data are based on the June 2007 CCR file.
2. World Health Organization, International Classification of Diseases for Oncology, Third Edition (ICD-O-3) and the International Agency for Research on Cancer (IARC) rules for determining multiple primaries sites.
3. Cancer incidence rates are age-standardized using the direct method and the 1991 Canadian Census population structure. The use of a standard population results in more meaningful incidence rate comparisons, because it adjusts for variations in population age distributions over time and across geographic areas. Rates in this table are based on three consecutive years of cancer incidence data which were summed and divided by three times the population estimate of the middle year of the three-year period. The confidence intervals for the age-standardized cancer incidence rates were produced using the Spiegelman method. Reference: Spiegelman M. "Introduction to Demography", Revised Edition. Cambridge, Massachusetts: Harvard University Press, 1968, page 113, Formula 4.29.
4. Health regions are defined by the provincial ministries of health. These are legislated administrative areas in all provinces. The health regions presented in this table are based on boundaries and names in effect as of June 2005. Each of the northern territories also represents a health region.
9. The age-standardized rates for cancer have been produced using the Surveillance, Epidemiology and End Results (SEER) groups for primary site of cancer. Specific sites include: colon, rectum and rectosigmoid junction (International Classification of Diseases for Oncology, Third Edition (ICD-O-3) codes C18.0 to C18.9, C19.9, C20.9, C26.0), bronchus and lung (ICD-O-3 codes C34.0 to 34.9), female breast (ICD-O-3 codes C50.0 to C50.9) and prostate (ICD-O-3 code C61.9). The four categories exclude morphology types M-9050 to M-9055; M-9140; M-9590 to 9989. Included are all invasive sites of new cancers and in situ bladder.
10. Rates for breast cancer (International Classification of Diseases for Oncology, Third Edition (ICD-O-3) codes C50.0 to C50.9) were calculated for females only.
11. Rates for prostate cancer (International Classification of Diseases for Oncology, Third Edition (ICD-O-3) code C61.9) were calculated for males only.
12. The 95% confidence interval (CI) illustrates the degree of variability associated with a rate. Wide confidence intervals indicate high variability, thus, these rates should be interpreted and compared with due caution.
13. Some age-standardized rates were suppressed (F) due to both a very small underlying count plus extremely high variability.
14. The following standard symbols are used in this Statistics Canada table: (..) for figures not available for a specific reference period, (...) for figures not applicable and (x) for figures suppressed to meet the confidentiality requirements of the Statistics Act.
15. The CANSIM table 103-0403 is an update of CANSIM table 103-0303.

**Source:** Statistics Canada. *Table 103-0403 - Cancer incidence, by selected sites of cancer and sex, three-year average, Canada, provinces, territories and health regions (June 2005 boundaries), occasional (age-standardized rate per 100,000 population)*, CANSIM (database).

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