

MORTALITY FROM SMOKING IN DEVELOPED COUNTRIES 1950–2020

(see also www.deathsfromsmoking.net)

**Richard Peto, Alan D Lopez, Hongchao Pan
Jillian Boreham and Michael Thun**

CANADA

Raw data (pages 92–93)

Analyses (pages 94–95, 96–97, 98–99)

Appendix (pages 100–101)

(revised September 2015)

CANADA: 2010

	No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
	All ages	0–34	35–69	All ages	0–34	35–69	0–4	5–9	10–14	15–19	20–24	25–29	30–34
ALL CAUSES	M 120638	4748	38144	584.5	61.3	560.7	128.3	8.1	12.1	52.0	71.3	75.0	82.1
	F 119437	2607	24777	412.7	36.0	353.9	104.9	8.3	9.5	25.2	30.3	31.3	42.6
Tuberculosis	M 47	1	13	0.2	0.0	0.2	-	-	-	-	-	0.1	-
	F 43	1	9	0.1	0.0	0.1	-	-	-	-	-	-	0.1
Other infective and parasitic	M 2601	60	913	12.5	0.8	12.7	2.9	0.1	-	0.3	0.4	0.7	1.2
	F 2625	56	509	8.9	0.8	7.2	1.6	0.3	0.2	1.0	0.3	0.2	1.6
ALL CANCER	M 37544	360	14295	185.4	4.5	218.9	2.4	1.9	1.5	3.4	5.8	7.3	9.1
	F 34342	303	13009	138.7	4.0	185.9	2.4	2.7	1.9	1.8	3.4	5.8	9.7
Mouth and pharynx cancer	M 751	6	425	3.9	0.1	6.3	-	-	-	-	0.2	0.1	0.3
	F 399	6	141	1.6	0.1	2.0	-	-	0.1	-	0.2	-	0.3
Oesophagus cancer	M 1368	4	682	7.0	0.1	10.2	-	-	-	-	0.2	-	0.2
	F 429	2	148	1.7	0.0	2.1	-	-	-	-	-	0.1	0.1
Stomach cancer	M 1141	5	453	5.6	0.1	6.8	-	-	-	-	-	-	0.4
	F 742	3	247	2.9	0.0	3.5	-	-	-	-	-	0.1	0.2
Colorectal cancer	M 4175	19	1594	20.6	0.2	24.4	-	-	-	-	0.2	0.5	0.9
	F 3647	18	1045	13.5	0.2	14.8	-	-	-	-	0.3	0.6	0.7
Liver cancer	M 967	5	479	4.9	0.1	7.0	0.1	-	0.1	-	0.1	-	0.2
	F 371	6	116	1.5	0.1	1.7	-	0.1	-	-	-	0.2	0.2
Pancreas cancer	M 1923	2	856	9.6	0.0	13.1	-	-	-	-	-	0.1	0.1
	F 1950	1	666	7.7	0.0	9.7	-	-	-	-	-	0.1	-
Larynx cancer	M 340	-	150	1.7	-	2.3	-	-	-	-	-	-	-
	F 71	-	26	0.3	-	0.4	-	-	-	-	-	-	-
Lung cancer	M 10531	6	4369	52.8	0.1	68.8	0.1	-	-	-	0.1	-	0.3
	F 8783	8	3707	37.3	0.1	54.2	0.1	-	-	-	-	0.2	0.3
Malignant melanoma	M 649	16	336	3.3	0.2	4.8	0.1	-	-	-	0.3	0.4	0.5
	F 332	6	163	1.4	0.1	2.2	-	0.1	-	-	0.1	0.1	0.3
Female breast cancer	F 4978	32	2402	20.9	0.4	32.8	-	-	-	-	-	0.8	2.0
Cervix cancer	F 372	18	235	1.8	0.2	3.0	-	-	-	-	0.1	0.4	1.0
Other uterine cancer	F 919	4	399	3.8	0.1	5.8	-	-	-	-	-	0.1	0.3
Ovarian cancer	F 1654	9	725	7.0	0.1	10.2	-	-	-	-	0.1	0.2	0.4
Prostate cancer	M 3833	2	562	17.5	0.0	9.5	-	-	-	-	-	-	0.2
Bladder cancer	M 1379	1	342	6.5	0.0	5.5	-	-	-	-	-	0.1	-
	F 576	1	118	2.0	0.0	1.7	-	-	-	-	-	0.1	-
Other and ill-defined cancer sites	M 6963	201	2796	34.7	2.5	41.6	1.6	1.4	1.1	2.4	3.1	4.0	4.2
	F 6312	124	2074	24.6	1.7	29.7	1.8	1.8	1.4	1.1	1.4	1.9	2.4
Hodgkin's disease	M 84	14	45	0.4	0.2	0.6	-	-	-	0.1	0.4	0.5	0.2
	F 53	7	24	0.2	0.1	0.3	-	-	-	0.2	0.2	0.1	0.2
Myeloma and non-Hodgkin lymphomas	M 2082	25	767	10.2	0.3	11.5	-	-	0.1	0.3	0.3	0.7	0.8
	F 1739	14	500	6.6	0.2	7.6	-	-	0.1	0.1	0.3	0.3	0.3
Leukaemia	M 1358	54	439	6.7	0.7	6.6	0.5	0.5	0.2	0.7	0.9	1.0	1.0
	F 1015	44	273	3.9	0.6	4.0	0.6	0.7	0.3	0.5	0.8	0.4	1.0
Diabetes	M 3704	29	1185	17.8	0.3	17.8	-	-	-	-	0.3	0.7	1.4
	F 3238	13	624	10.9	0.2	9.3	0.1	-	-	0.1	0.3	0.2	0.4
ALL VASCULAR DISEASE	M 33744	198	9486	158.6	2.5	141.2	2.2	0.2	0.8	1.6	1.6	3.6	7.5
	F 33957	123	3710	102.6	1.6	54.7	2.4	0.3	0.5	0.6	1.6	1.9	4.0
Rheumatic heart disease and fever	M 134	1	46	0.6	0.0	0.7	-	-	-	-	-	-	0.1
	F 290	3	53	1.0	0.0	0.8	-	-	-	-	-	0.1	0.2
Hypertensive disease	M 966	9	252	4.5	0.1	3.6	-	-	-	-	0.1	0.2	0.4
	F 1541	3	115	4.4	0.0	1.7	-	-	-	-	-	0.2	0.1
Ischaemic heart disease	M 19624	48	6368	93.2	0.6	94.4	-	-	-	0.1	0.1	0.8	3.1
	F 15312	9	1860	46.7	0.1	27.8	-	0.1	-	-	-	0.2	0.4
Pulmonary embolism and other venous	M 392	14	175	2.0	0.2	2.5	0.2	-	-	0.1	-	0.5	0.4
	F 455	14	141	1.7	0.2	2.0	-	-	-	0.3	-	0.3	0.5
Cerebrovascular disease	M 5658	38	1088	26.0	0.5	16.7	0.5	0.1	0.3	0.2	0.5	0.7	1.1
	F 8048	26	765	24.0	0.3	11.1	0.6	0.1	0.2	-	0.3	0.2	1.1
Other vascular disease	M 6970	88	1557	32.2	1.1	23.3	1.4	0.1	0.5	1.2	0.9	1.4	2.3
	F 8311	68	776	24.9	0.9	11.3	1.9	0.1	0.3	0.6	1.0	0.9	1.6
Chronic obstructive pulmonary disease	M 5509	19	909	25.3	0.2	14.8	0.2	-	0.3	0.3	0.3	0.5	0.1
	F 5266	12	798	17.6	0.2	12.6	0.1	0.3	0.1	0.1	0.2	0.2	0.2
Other respiratory disease	M 5072	45	864	23.0	0.6	13.2	1.9	0.1	0.1	0.5	0.4	0.6	0.6
	F 4910	44	553	14.9	0.6	8.1	1.4	0.1	0.2	0.4	0.4	0.7	1.0
Peptic ulcer	M 216	5	77	1.0	0.1	1.1	0.1	-	-	-	0.2	0.1	0.1
	F 183	-	45	0.6	-	0.7	-	-	-	-	-	-	-
Liver cirrhosis	M 1779	13	1235	9.3	0.2	17.3	-	-	-	-	0.2	0.3	0.5
	F 886	12	524	4.1	0.1	7.1	-	-	-	-	0.1	0.2	0.7
Renal disease	M 1901	12	292	8.6	0.2	4.5	0.3	-	0.2	-	-	0.2	0.3
	F 2119	12	218	6.4	0.2	3.2	0.2	0.1	-	0.1	0.2	0.2	0.3
Pregnancy, birth and congenital and perinatal causes	F 24	13	11	0.1	0.2	0.1	-	-	-	0.1	0.3	0.3	0.4
	M 1116	937	144	8.6	13.7	1.8	90.5	0.8	0.8	0.4	1.1	1.6	1.0
Ill-defined causes	M 915	757	118	7.3	11.7	1.5	78.2	0.7	0.3	0.5	0.8	1.0	1.0
	F 1060	192	396	5.6	2.6	5.1	10.1	-	0.3	1.3	1.4	2.3	2.8
Other medical causes	M 16088	336	3416	74.2	4.4	50.3	8.1	2.0	2.1	2.5	3.5	5.0	7.5
	F 23564	261	2516	70.8	3.5	36.3	6.1	1.9	1.8	3.0	2.9	3.6	5.4
ALL NON-MEDICAL CAUSES	M 10257	2541	4919	54.5	31.2	61.8	9.7	2.9	6.0	41.7	56.1	51.7	50.0
	F 6001	879	1917	24.7	11.3	24.1	6.1	1.6	4.3	16.7	18.1	16.0	16.4
Road traffic accidents	M 1630	667	732	9.1	8.2	9.3	1.0	1.1	1.3	15.2	16.6	12.5	9.3
	F 721	252	315	3.9	3.3	4.0	1.2	0.9	1.6	7.5	6.6	2.9	2.4
Fire	M 142	26	76	0.8	0.3	1.0	0.6	0.1	0.1	0.4	0.5	0.4	0.2
	F 82	13	40	0.4	0.2	0.5	0.2	0.1	0.1	0.2	0.3	-	0.3
Suicide	M 2980	798	1886	16.4	9.7	23.2	-	-	1.9	12.7	18.5	15.9	18.8
	F 968	282	616	5.3	3.5	7.5	-	-	1.4	4.8	5.5	6.6	6.6
POPULATION: (1000s; UN, 2015 revision)	M=male	16927	7607	7889	965	929	992	1140	1216	1214	1151		
	F=female	17200	7308	7963	916	875	944	1087	1151	1184	1151		

2010: CANADA

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
104.7	152.0	238.4	390.7	616.0	951.2	1471.8	2377.1	3964.0	9861.9	M	ALL CAUSES	001-999/A00-Y89
61.2	96.6	153.3	255.2	378.1	586.8	945.9	1542.4	2598.0	8315.5	F	Tuberculosis	010-018, 137/ A15-A19, B90
-	0.1	-	0.1	0.1	0.5	0.6	0.8	1.0	5.0	M	Other infective and parasitic	Rest of 001-139, 279, 58/6/ rest of A00-B99 excl A33, A34
2.1	5.7	8.3	10.0	19.0	18.9	24.5	40.3	80.5	218.4	M		
1.8	3.0	3.3	5.4	7.6	10.8	18.5	31.1	59.8	187.5	F		
14.6	26.1	57.4	129.1	234.1	409.3	662.1	1012.8	1469.3	2323.7	M	ALL CANCER	140-208/C00-C97
20.9	39.4	74.1	137.0	214.2	328.1	487.4	708.1	946.2	1442.3	F		
0.5	0.9	1.7	5.0	7.9	11.5	16.5	19.8	18.4	28.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.1	0.5	0.8	1.7	2.6	3.2	5.2	8.0	10.8	17.9	F	Oesophagus cancer	150/C15
0.4	1.6	3.4	7.7	10.4	20.5	27.3	44.0	43.3	55.2	M		
0.2	0.2	0.7	1.4	2.6	4.2	5.9	8.2	12.0	20.3	F		
0.7	1.1	1.9	4.3	8.1	13.8	17.4	29.4	45.7	68.7	M	Stomach cancer	151/C16
0.6	1.4	1.9	2.7	3.5	5.6	8.4	15.7	16.9	37.4	F		
1.6	3.3	6.8	13.3	27.0	45.0	73.9	107.9	172.0	259.5	M	Colorectal cancer	153, 154/C18-C21
1.8	2.6	6.8	11.1	17.3	28.1	35.6	67.2	94.9	203.7	F		
0.3	0.9	1.7	5.2	12.8	11.7	16.1	25.9	36.0	40.1	M	Liver cancer	155.0/C22 excl C221
-	0.1	0.7	0.8	2.0	3.6	4.6	8.0	12.2	16.8	F		
0.5	1.8	3.0	8.1	14.2	25.8	38.0	50.9	72.8	100.5	M	Pancreas cancer	157/C25
0.3	1.1	2.7	6.4	11.5	18.1	28.1	44.1	55.2	88.9	F		
-	0.3	0.7	1.2	2.6	4.9	6.2	10.0	12.6	17.3	M	Larynx cancer	161/C32
1.1	4.0	12.3	34.5	69.0	130.9	230.1	330.5	438.8	527.7	M	Lung cancer	162/C33, C34
1.4	4.8	16.6	37.1	62.1	99.3	158.1	227.5	287.5	272.6	F		
0.9	1.0	2.3	4.0	5.7	8.8	11.2	13.1	21.5	28.2	M	Malignant melanoma	172/C43
0.7	0.7	1.2	2.1	2.2	4.2	4.6	4.6	7.4	11.8	F		
6.4	12.8	17.7	31.9	41.4	51.8	67.5	78.1	105.1	185.3	F	Female breast cancer	174/C50
1.9	2.3	2.7	3.4	3.5	3.2	4.0	5.0	5.8	7.2	F	Cervix cancer	180/C53
0.3	0.8	2.0	3.7	6.6	11.2	16.0	18.8	22.3	34.9	F	Other uterine cancer	179, 182/C54, C55
0.9	2.1	5.1	8.2	11.6	18.1	25.8	42.4	44.7	53.2	F	Ovarian cancer	183/C56, C570-C574
-	0.1	0.9	2.8	6.2	16.1	40.2	79.5	162.1	439.9	M	Prostate cancer	185/C61
-	0.7	0.8	2.4	5.3	8.7	20.6	33.0	55.4	127.8	M	Bladder cancer	188/C67
0.1	0.2	0.4	1.0	2.4	2.9	5.2	9.6	13.8	39.4	F		
5.9	7.1	15.0	28.9	46.7	74.0	113.8	178.8	245.5	406.7	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.4	6.9	11.5	19.7	34.4	52.9	78.3	113.2	170.9	308.3	F	Hodgkin's disease	201/C81
0.5	0.2	0.4	0.5	0.7	0.8	1.1	1.1	1.7	2.4	M		
0.3	0.2	0.4	0.1	0.1	0.4	0.7	0.7	1.0	1.5	F		
1.0	2.0	4.2	7.3	11.6	23.0	31.1	52.8	87.8	131.3	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.6	1.2	1.4	4.0	6.5	13.3	26.0	36.6	55.6	87.0	F		
0.9	1.1	2.2	3.9	5.8	14.0	18.5	36.1	55.6	90.0	M	Leukaemia	204-208/C91-C95
0.8	1.7	1.3	1.4	3.5	7.7	11.9	18.6	27.1	53.8	F		
2.2	3.0	7.1	9.5	20.6	33.0	48.9	87.8	131.8	299.6	M	Diabetes	250/E10-E14
1.2	1.7	2.5	5.3	8.7	15.9	29.8	48.5	74.4	230.9	F		
14.0	27.9	51.8	97.0	161.7	250.0	385.8	630.3	1120.7	3250.7	M	ALL VASCULAR DISEASE	390-459/I00-I99
4.7	11.7	17.2	33.4	54.0	92.7	169.4	333.6	686.2	2937.8	F		
-	0.2	0.3	0.5	0.5	1.1	2.2	2.1	5.8	10.5	M	Rheumatic heart disease and fever	390-398/I00-I09
0.2	0.1	0.3	-	1.1	1.1	2.9	4.8	8.0	19.7	F		
0.3	1.3	1.8	3.8	3.8	5.1	9.2	17.9	28.5	99.5	M	Hypertensive disease	401-405/I10-I15
0.1	0.4	0.7	0.9	2.0	2.6	5.2	11.8	22.3	147.5	F		
7.7	15.2	34.0	67.4	112.7	174.7	249.2	382.0	639.6	1726.5	M	Ischaemic heart disease	410-414/I20-I25
1.1	3.5	6.9	15.3	27.7	51.5	88.5	157.2	312.8	1301.3	F		
0.6	1.1	1.4	1.4	4.3	2.9	5.3	7.7	11.6	23.1	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	1.3	0.9	1.2	2.7	2.2	5.0	4.3	11.6	25.8	F		
1.5	3.0	5.4	10.0	16.5	27.3	52.9	100.2	209.0	633.4	M	Cerebrovascular disease	430-438/I60-I69
1.1	2.7	4.5	7.8	11.6	16.6	33.4	77.8	165.9	709.2	F		
3.9	7.1	9.0	13.8	23.8	38.8	66.9	120.4	226.2	757.6	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
1.6	3.7	4.0	8.1	9.0	18.7	34.5	77.8	165.7	734.3	F		
0.3	1.0	2.6	4.5	13.3	26.3	55.2	119.3	223.8	611.1	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.2	0.8	1.7	4.8	8.9	21.2	50.7	95.0	159.9	368.0	F		
1.6	1.6	4.0	8.3	12.8	23.9	40.0	77.4	169.3	616.1	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.4	2.0	4.0	5.0	6.9	11.8	25.5	41.9	99.1	424.2	F		
0.2	0.2	0.4	1.2	1.0	1.6	3.5	3.3	7.3	17.5	M	Peptic ulcer	531-533/K25-K27
0.2	0.2	0.2	0.2	0.9	1.0	2.0	2.4	4.4	12.1	F		
1.8	4.9	9.1	17.9	23.7	27.8	36.0	38.2	37.2	35.8	M	Liver cirrhosis	571/K70, K74
1.6	3.2	5.4	6.2	8.8	9.4	15.1	18.8	18.5	17.5	F		
0.6	0.6	1.3	2.3	4.8	8.1	13.7	32.3	64.8	233.8	M	Renal disease	580-590/N00-N19
0.3	0.8	1.4	1.8	2.1	6.3	10.0	23.6	44.7	181.4	F		
0.7	0.2	-	-	0.1	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-O99 740-779/A33, P00-P96, Q00-Q99
1.5	1.1	1.9	2.3	2.4	2.3	1.1	1.5	1.4	4.2	M		
1.4	0.8	1.3	1.5	2.2	1.7	1.6	1.7	1.6	2.6	F		
2.4	3.9	4.8	6.2	5.1	7.0	6.5	13.4	18.4	65.6	M	Ill-defined causes	780-799/R00-R99
1.3	1.7	2.5	2.1	3.6	3.9	5.0	6.2	13.6	109.7	F		
9.1	16.2	20.9	35.8	51.8	82.8	135.8	237.0	519.9	1802.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.9	9.7	16.1	23.3	37.5	57.9	103.8	192.3	413.9	2089.2	F		
54.4	59.6	68.7	66.4	65.8	59.8	58.0	82.8	118.5	377.7	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
19.7	21.7	23.6	29.0	22.5	26.0	26.5	38.6	74.2	309.7	F		
9.2	9.5	8.3	9.5	10.4	9.1	9.0	13.1	13.8	21.3	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.9	3.6	4.0	5.1	2.5	4.5	4.2	6.0	9.0	8.8	F		
0.8	0.6	1.2	1.0	1.1	1.2	0.8	2.5	1.4	4.2	M	Fire	E890-E899/X00-X09
0.6	0.5	0.3	0.6	0.4	0.4	0.8	0.8	1.8	1.8	F		
22.9	22.2	28.9	26.9	24.5	20.9	16.3	18.4	19.1	24.4	M	Suicide	E950-E959/X60-X84
6.9	7.9	6.9	10.1	9.4	6.9	4.8	3.6	4.8	3.0	F		
1152	1219	1405	1306	1128	966	713	521	413	497	M	POPULATION	
1141	1201	1387	1312	1160	1005	757	585	502	842	F	(1000s; UN, 2015 revision)	

CANADA: 2010**Relative importance of deaths in MIDDLE age (35–69) in the year 2010**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 4.7	– / 2.6	–
35–69	9.9 / 38	7.0 / 25	24 years
70+	18 / 78	21 / 92	7 years
All ages	28 / 121	28 / 119	12 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2010

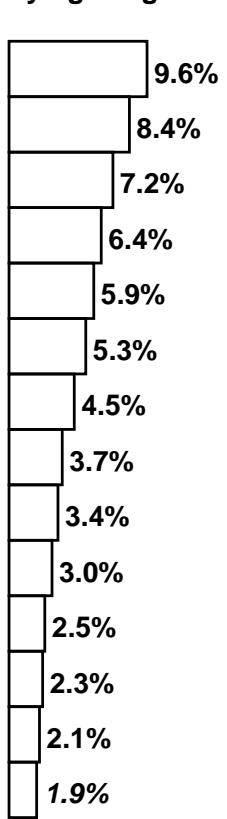
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	3.8/4.3	5.5/6.2	9.2/10	–/0.0	3.1/3.7	4.3/4.9	7.4/8.6
All Cancer	–/0.3	5.1/14 (36%)	7.9/23 (34%)	13/37	–/0.3	3.6/13 (27%)	5.5/21 (27%)	9.1/34
Vascular	–/0.2	2.8/9.5	4.3/24	7.1/34	–/0.1	1.5/3.7	6.9/30	8.4/34
Respiratory	–/0.1	0.9/1.8	4.0/8.8	4.8/11	–/0.1	0.8/1.4	4.7/9.0	5.5/11
All Other	–/4.1	1.1/13	1.8/22	2.9/38	–/2.1	1.1/6.7	3.6/32	4.7/41
All Causes	–/4.7	9.9/38 (26%)	18/78 (23%)	28/121	–/2.6	7.0/25 (28%)	21/92 (23%)	28/119

**Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the year 2010**

Cause	Male	Female	Male + Female
All Cancer	13 / 37 (35%)	9.1 / 34 (27%)	22 / 71 (31%)
All Causes	28 / 121 (23%)	28 / 119 (23%)	56 / 240 (23%)

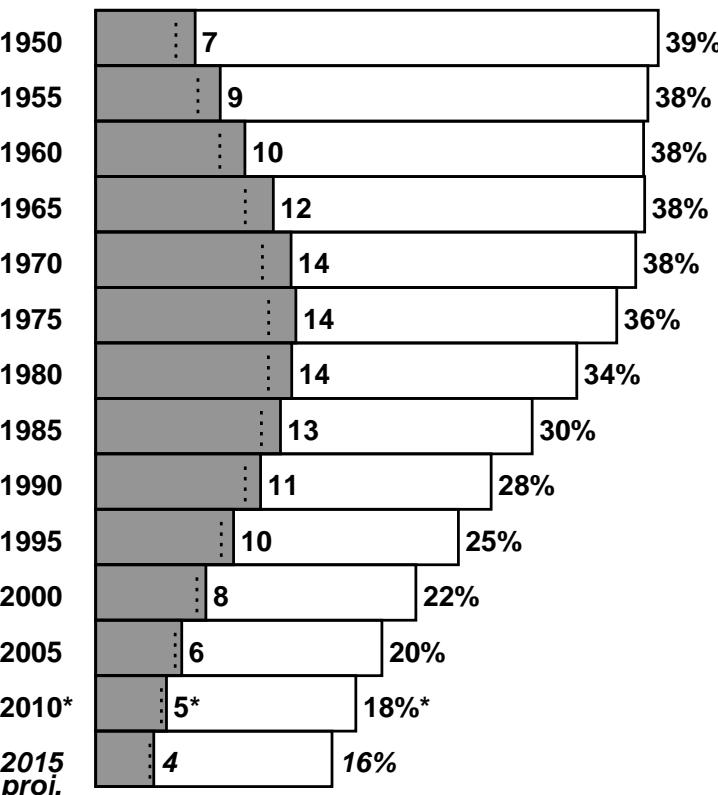
1950-2015: CANADA

Population risk of dying at ages 0–34



Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)

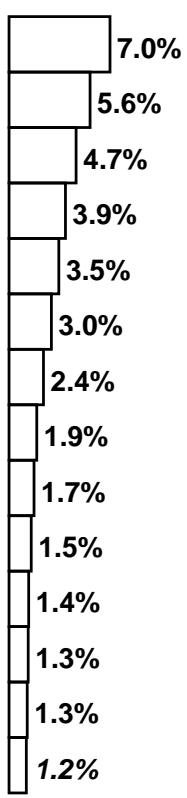
MALE



*eg, at year 2010 male death rates, out of 100 men aged 35, 18 would die before age 70 (with 5 of these deaths attributed to smoking)

Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



Real risk too low to estimate reliably

CANADA: 1950-2015***Relative importance of deaths in MIDDLE age (35–69), 2015 projections***

Age range (years)	Deaths attributed to SMOKING		Mean years lost PER DEATH FROM SMOKING
	/total deaths (thousands) Male	Female	
0–34	– / 4.4	– / 2.6	–
35–69	9.6 / 40	7.4 / 26	23 years
70+	18 / 84	23 / 97	7 years
All ages	28 / 129	30 / 126	12 years

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
1955	–/14	6.8/29 (23%)	2.0/32 (6%)	8.8/75	–/9.7	0.0/17	0.0/27	0.0/54
1965	–/12	11/34 (33%)	5.5/40 (14%)	17/87	–/7.6	0.7/19 (4%)	0.1/35 (0.2%)	0.7/61
1975	–/11	15/40 (38%)	10/45 (23%)	26/96	–/5.6	2.8/21 (13%)	1.5/43 (3%)	4.2/70
1985	–/8.2	16/38 (42%)	15/53 (28%)	31/100	–/3.9	5.3/22 (24%)	6.0/55 (11%)	11/80
1995	–/6.7	14/38 (36%)	19/66 (29%)	33/111	–/3.2	6.6/22 (29%)	13/74 (18%)	20/99
2005	–/5.0	11/37 (29%)	19/74 (25%)	29/116	–/2.6	6.8/24 (29%)	19/87 (22%)	26/113
2015 proj.	–/4.4	9.6/40 (24%)	18/84 (21%)	28/129	–/2.6	7.4/26 (28%)	23/97 (24%)	30/126

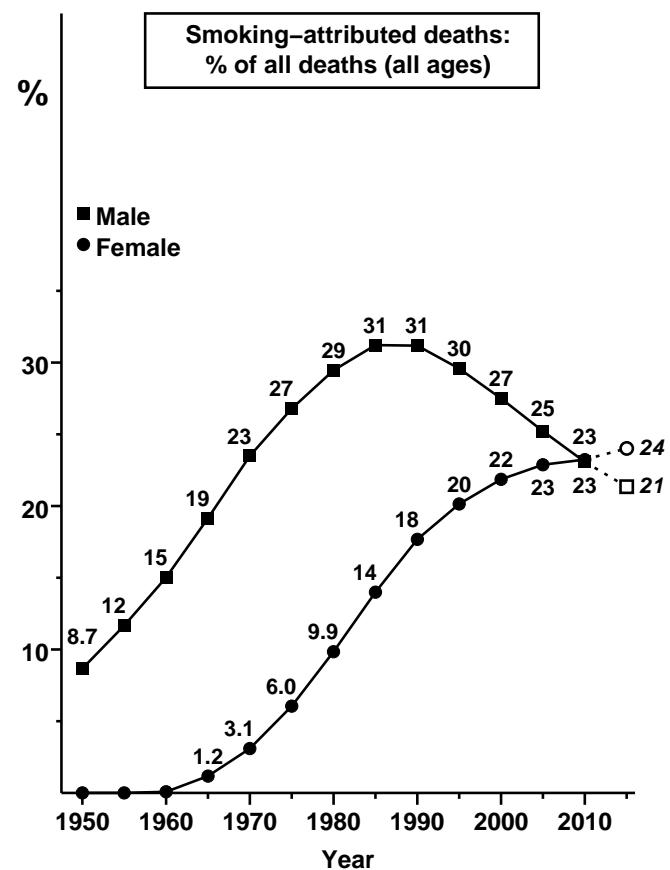
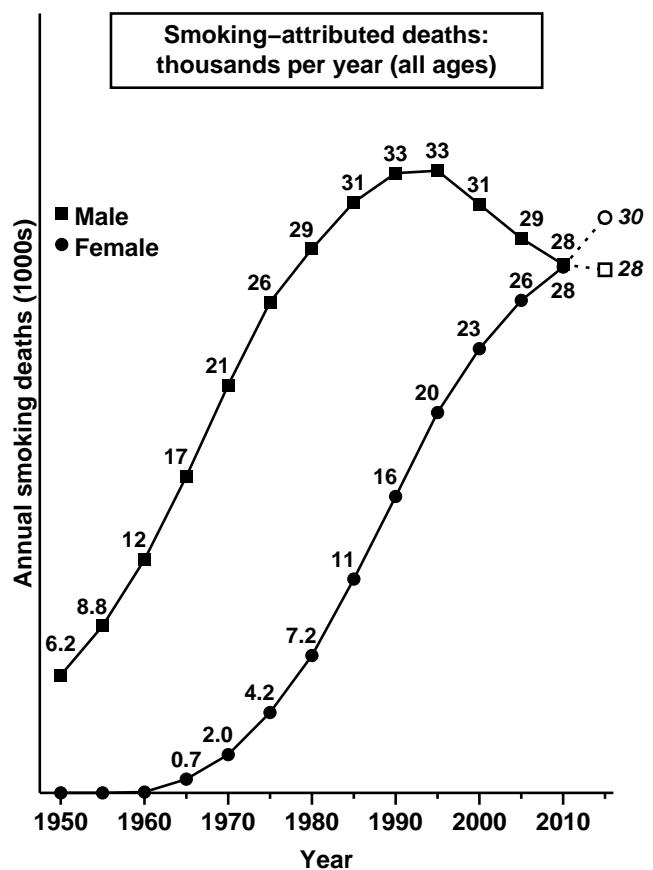
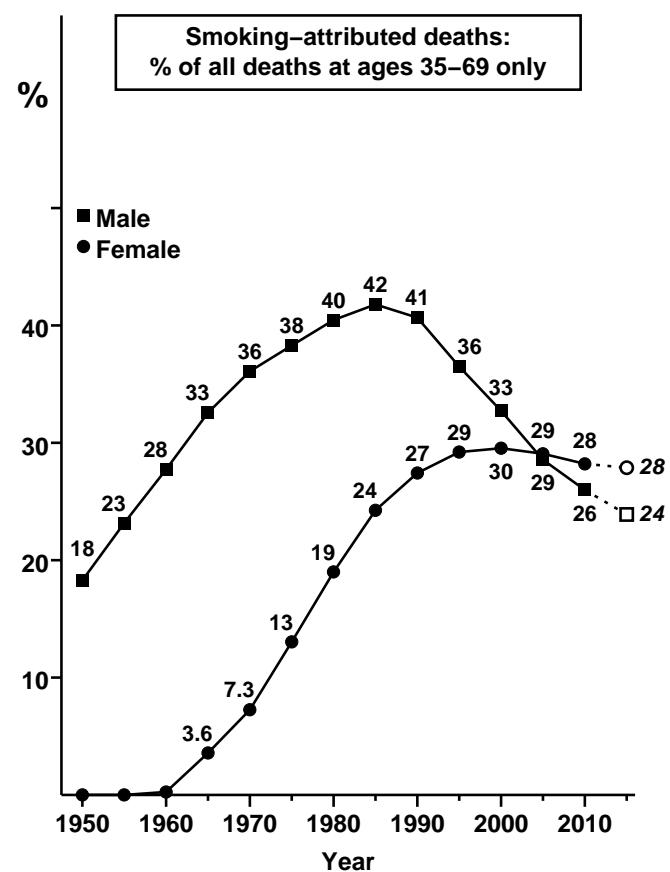
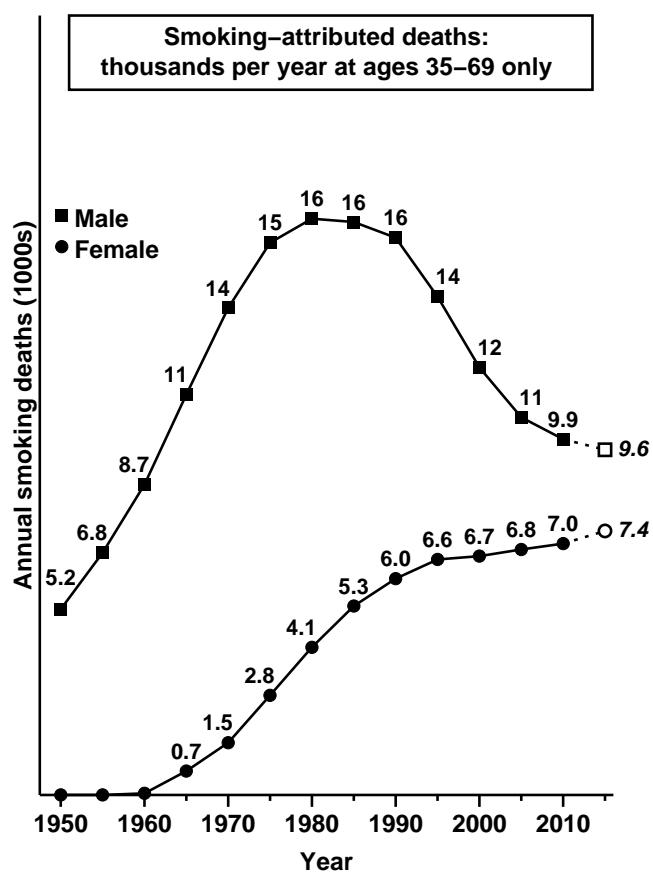
60-year total (thousands), decade of 1960s to decade of 2010s (1960–2020*): 2557 / 11898

*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985, 1995, 2005 and 2015

1960–2020, by age & sex:

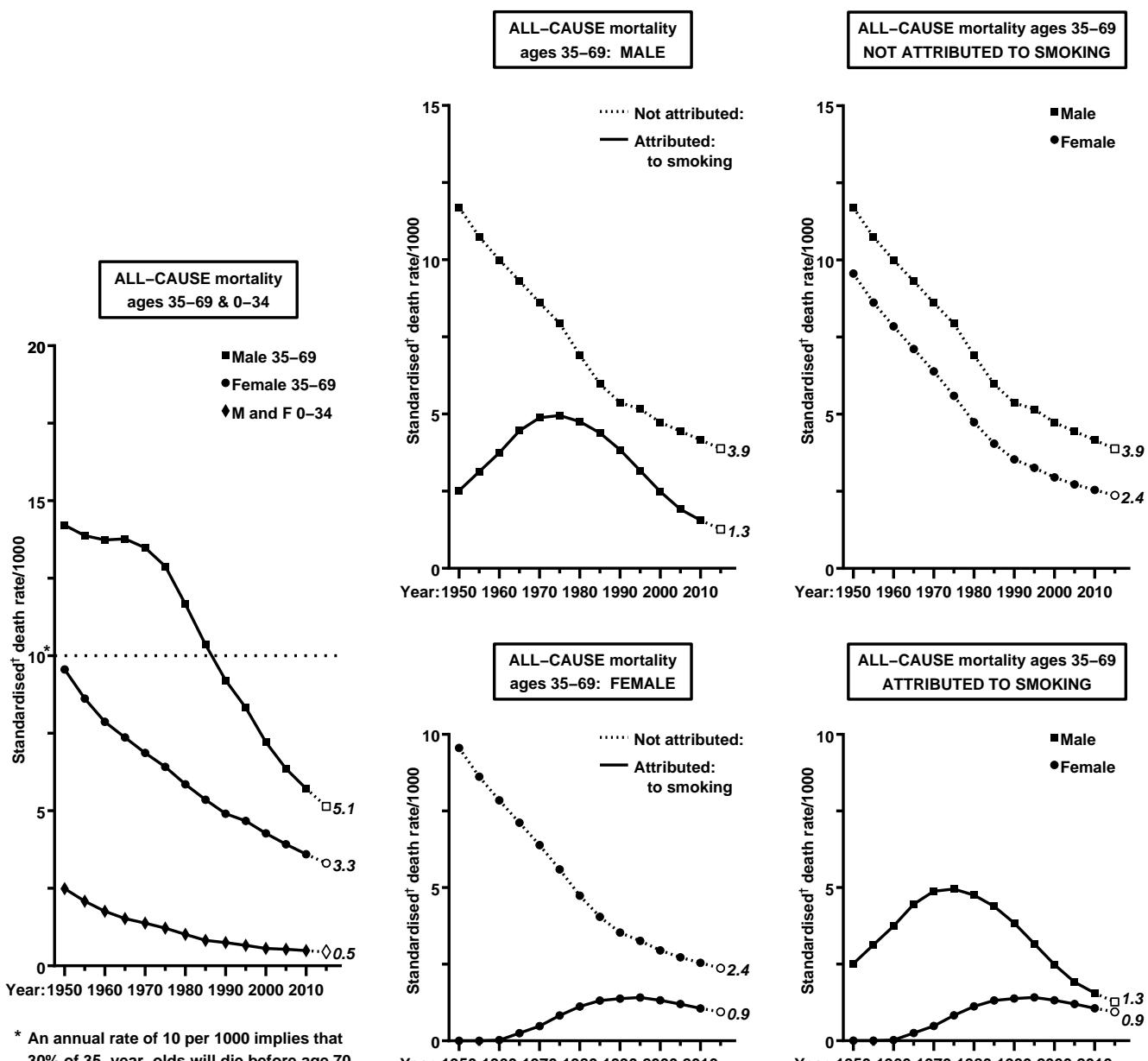
–/477	766/2280 (34%)	866/3633 (24%)	1632/6389	–/256	295/1341 (22%)	630/3912 (16%)	925/5510
-------	--------------------------	--------------------------	-----------	-------	--------------------------	--------------------------	----------

1950-2015: CANADA



CANADA: 1950-2015

ALL-CAUSE mortality rates attributed and not attributed to smoking



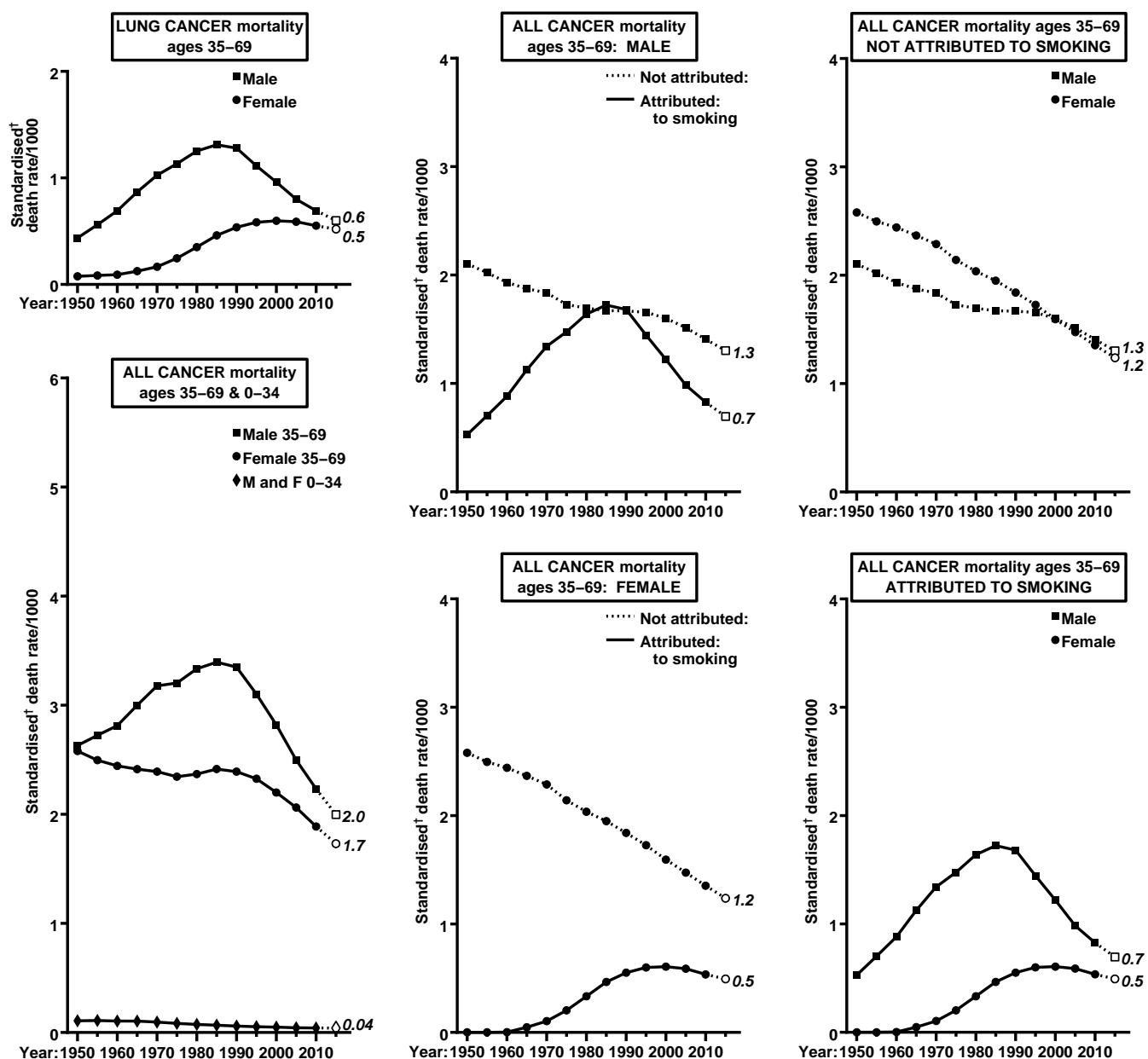
[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	Attributed to smoking?	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
		0-34		35-69		70-79		0-34		35-69		70-79	
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	2.89	2.51	11.7	2.77	65.9	-	2.08	0.00	9.56	0.00	55.4	
1955	-	2.50	3.13	10.7	4.84	62.7	-	1.66	0.00	8.62	0.00	51.3	
1960	-	2.15	3.74	9.99	7.66	60.2	-	1.37	0.02	7.84	0.00	47.6	
1965	-	1.90	4.45	9.31	10.7	56.8	-	1.15	0.25	7.11	0.12	43.5	
1970	-	1.74	4.88	8.60	14.1	51.6	-	1.01	0.48	6.39	0.79	38.5	
1975	-	1.57	4.95	7.93	16.6	47.2	-	0.86	0.82	5.59	1.61	34.5	
1980	-	1.33	4.75	6.91	17.4	42.2	-	0.69	1.12	4.73	2.78	29.6	
1985	-	1.08	4.38	5.97	17.7	39.1	-	0.56	1.31	4.04	4.30	26.4	
1990	-	0.99	3.84	5.37	16.9	35.4	-	0.50	1.37	3.53	5.46	23.0	
1995	-	0.87	3.16	5.16	15.5	33.3	-	0.44	1.41	3.26	6.30	21.2	
2000	-	0.72	2.48	4.73	13.1	30.4	-	0.39	1.32	2.95	6.53	18.9	
2005	-	0.68	1.91	4.44	10.8	26.5	-	0.38	1.20	2.72	6.42	16.7	
2010	-	0.61	1.55	4.16	8.80	23.8	-	0.36	1.06	2.54	6.10	14.9	
2015	-	0.55	1.26	3.88	7.21	21.2	-	0.35	0.94	2.37	5.82	13.3	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2015: CANADA

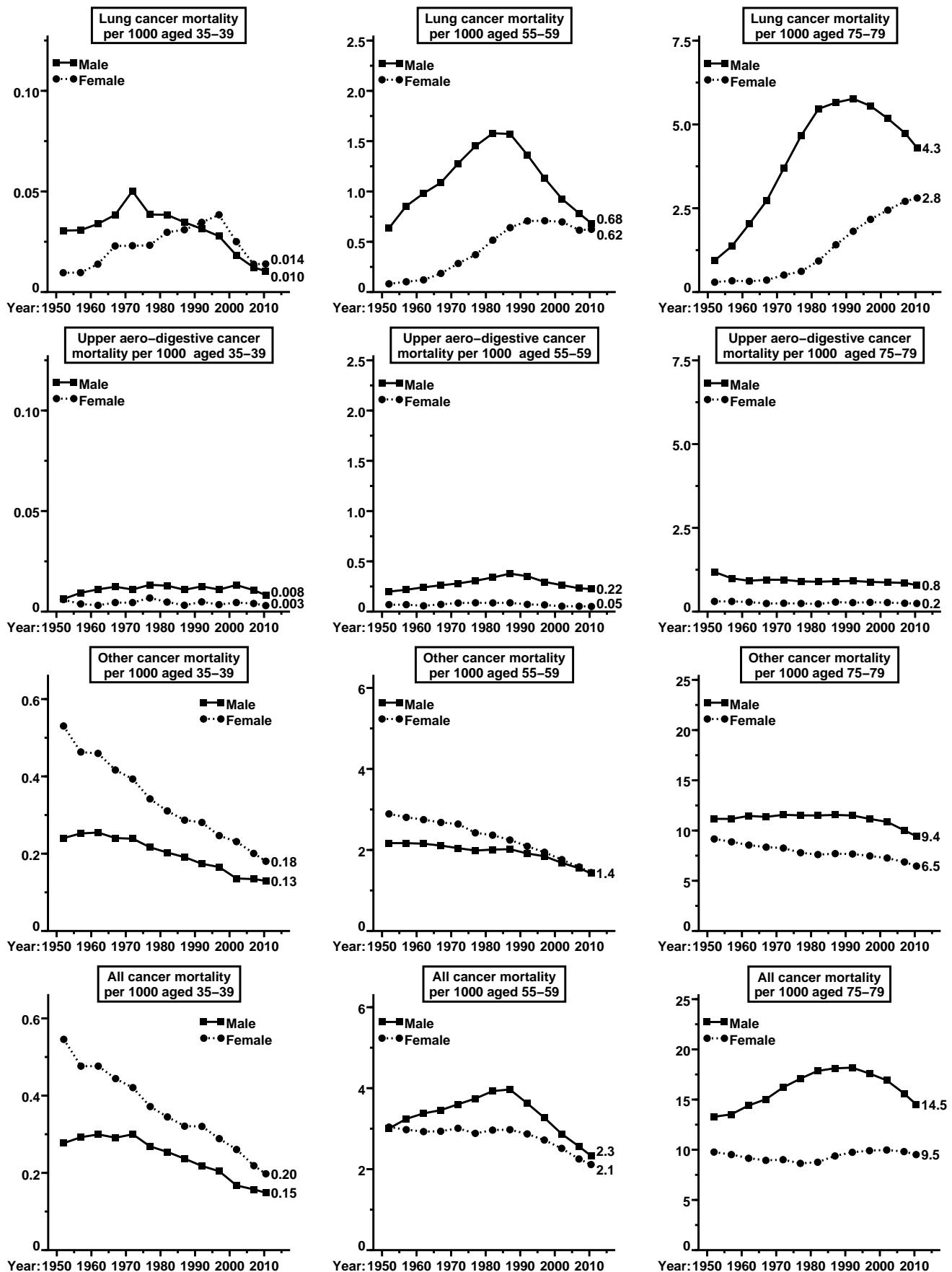
ALL CANCER mortality rates attributed and not attributed to smoking



[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)						FEMALE cancer mortality (annual rate/1000, by age)								
	Attributed to smoking?	0-34		35-69		70-79		Yes	No	0-34		35-69		70-79	
		Yes	No	Yes	No	Yes	No			Yes	No	Yes	No	Yes	No
1950	-	0.11	0.53	2.10	0.77	10.4	-	0.11	0.00	2.58	0.00	8.63			
1955	-	0.11	0.70	2.02	1.37	10.4	-	0.10	0.00	2.50	0.00	8.44			
1960	-	0.11	0.88	1.93	2.17	10.2	-	0.10	0.00	2.44	0.00	8.08			
1965	-	0.11	1.13	1.87	3.11	9.90	-	0.10	0.05	2.37	0.02	7.90			
1970	-	0.10	1.34	1.84	4.26	9.64	-	0.09	0.10	2.29	0.14	7.67			
1975	-	0.09	1.48	1.73	5.34	9.32	-	0.08	0.20	2.14	0.33	7.47			
1980	-	0.08	1.64	1.69	6.16	9.08	-	0.07	0.33	2.04	0.66	7.10			
1985	-	0.07	1.72	1.67	6.68	9.16	-	0.06	0.46	1.95	1.16	7.08			
1990	-	0.06	1.68	1.67	6.87	9.07	-	0.06	0.55	1.84	1.66	6.87			
1995	-	0.05	1.45	1.66	6.64	8.87	-	0.05	0.60	1.73	2.06	6.70			
2000	-	0.05	1.22	1.60	6.10	8.81	-	0.05	0.61	1.59	2.38	6.38			
2005	-	0.05	0.98	1.51	5.51	8.29	-	0.04	0.59	1.47	2.61	6.08			
2010	-	0.04	0.83	1.41	4.78	7.84	-	0.04	0.54	1.35	2.67	5.70			
2015	-	0.04	0.69	1.30	4.15	7.39	-	0.04	0.49	1.24	2.73	5.32			

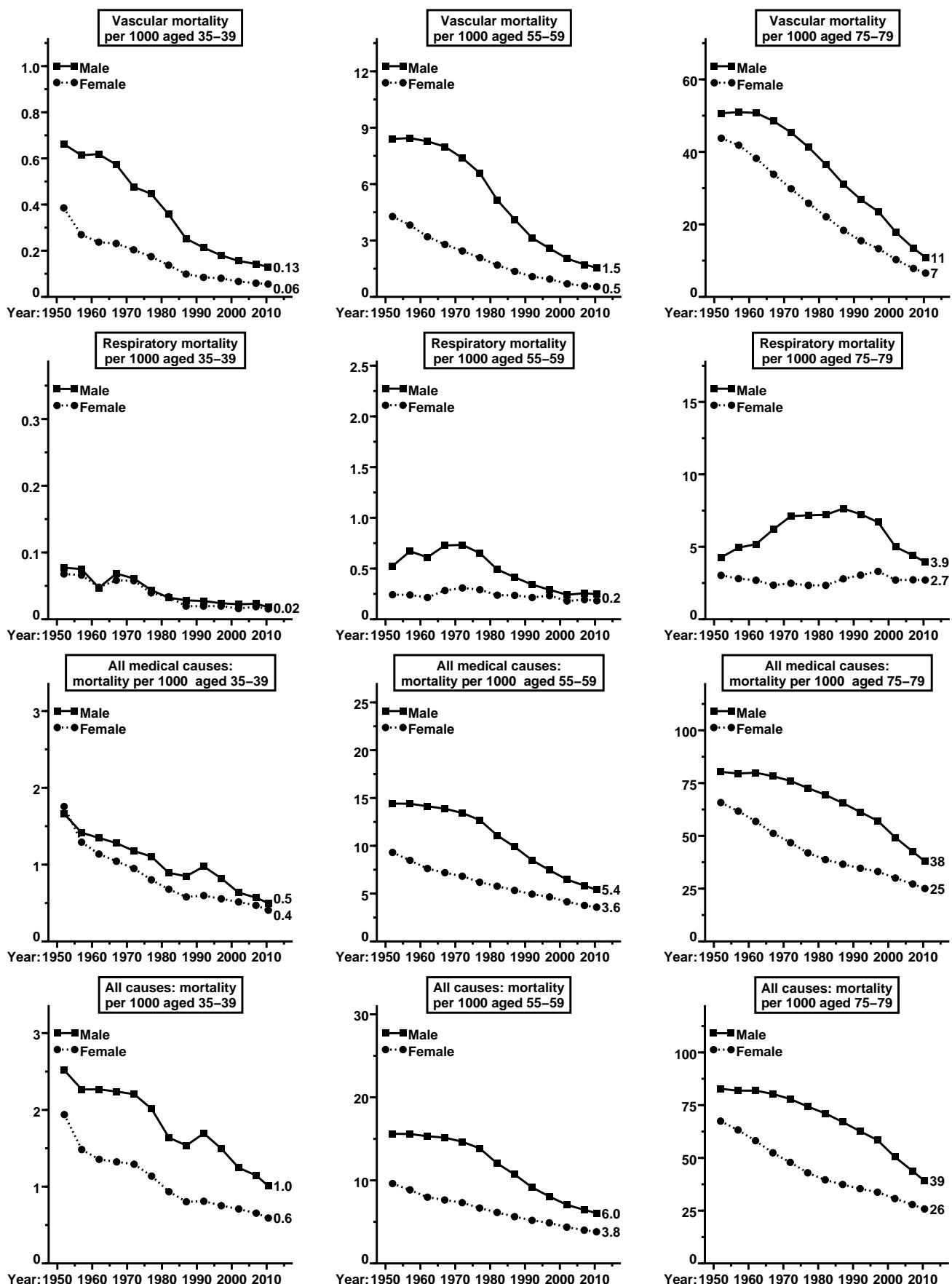
0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

CANADA: 1950-2011**Mortality* trends at selected ages: 35-39, 55-59 & 75-79**

* Annual mortality per 1000: averages of years available in 1950-54,...,2005-09; then 2-year average 2010-11

1950-2011: CANADA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,...,2005-09; then 2-year average 2010-11