

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

Former Czechoslovakia

Raw data (pages 170–71)

Analyses (pages 172–73, 174–75, 176–77)

Appendix (pages 178–79)

(revised September 2015)

Former CZECHOSLOVAKIA: 1990

		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	96731	4957	46674	1534.3	125.8	1818.3	295.3	31.1	25.6	77.0	129.6	135.8	186.5	
	F	87054	2439	23180	857.5	64.5	752.6	221.1	19.7	18.1	39.0	39.6	43.7	70.4	
Tuberculosis	M	174	2	113	2.8	0.1	4.3	-	-	-	-	-	-	0.3	
	F	109	1	29	1.1	0.0	1.0	-	-	-	0.2	-	-	-	
Other infective and parasitic	M	128	23	70	1.9	0.6	2.6	1.8	0.5	0.1	0.1	0.2	0.7	0.5	
	F	164	17	61	1.8	0.5	1.9	2.7	-	0.1	-	-	0.2	0.2	
ALL CANCER	M	22073	429	13318	347.8	10.6	528.1	7.9	8.1	5.0	9.1	11.6	13.8	18.9	
	F	16408	354	7917	178.2	9.1	256.4	7.3	3.6	4.8	5.5	7.2	13.0	22.5	
Mouth and pharynx cancer	M	813	3	693	12.7	0.1	25.5	-	-	-	-	-	0.4	0.2	
	F	128	5	54	1.4	0.1	1.7	-	-	-	-	-	0.4	0.5	
Oesophagus cancer	M	457	2	347	7.0	0.1	13.3	-	-	-	-	0.2	-	0.2	
	F	79	1	29	0.8	0.0	1.0	-	-	-	-	0.2	-	-	
Stomach cancer	M	1853	15	957	29.5	0.4	38.5	-	-	-	-	-	1.1	1.6	
	F	1355	11	498	14.1	0.3	16.0	-	-	-	-	-	1.0	1.1	
Colorectal cancer	M	2988	14	1537	47.7	0.4	62.1	-	-	-	-	-	1.1	1.4	
	F	2478	14	968	25.7	0.4	31.7	-	-	-	0.3	-	0.8	1.4	
Liver cancer	M	453	7	278	7.2	0.2	11.0	0.4	-	-	-	0.2	-	0.7	
	F	284	5	159	3.2	0.1	5.2	0.4	-	-	-	-	-	0.5	
Pancreas cancer	M	1032	6	641	16.2	0.1	25.4	-	-	-	-	0.2	0.4	0.5	
	F	872	7	403	9.0	0.2	13.2	-	-	-	0.2	0.2	0.4	0.5	
Larynx cancer	M	514	1	392	8.0	0.0	14.8	-	-	-	-	-	-	0.2	
	F	39	1	23	0.5	0.0	0.8	-	-	-	-	-	-	0.2	
Lung cancer	M	6909	13	4900	108.7	0.3	196.2	-	-	-	-	0.2	0.2	1.9	
	F	1125	4	628	12.5	0.1	20.5	-	-	-	-	-	0.4	0.4	
Malignant melanoma	M	223	9	152	3.5	0.2	5.6	-	-	-	-	0.4	0.6	0.7	
	F	211	10	105	2.3	0.3	3.3	-	-	-	-	0.6	0.2	1.1	
Female breast cancer	F	2521	33	1476	28.7	0.9	47.7	-	-	-	-	0.4	0.6	5.0	
Cervix cancer	F	604	37	382	7.0	1.0	11.8	-	-	-	-	-	1.7	5.0	
Other uterine cancer	F	787	5	403	8.5	0.1	13.1	-	-	-	-	-	0.4	0.5	
Ovarian cancer	F	1014	18	664	11.9	0.5	21.4	-	-	0.1	0.3	0.8	0.8	1.3	
Prostate cancer	M	1417	1	398	23.1	0.0	16.9	-	-	-	-	-	0.2	-	
Bladder cancer	M	778	1	369	12.6	0.0	15.4	0.2	-	-	-	-	-	-	
	F	219	1	69	2.2	0.0	2.2	-	-	-	-	-	-	0.2	
Other and ill-defined cancer sites	M	3411	205	2007	53.1	5.1	78.2	5.3	2.8	2.1	5.5	5.8	7.8	6.3	
	F	3652	114	1590	38.9	2.9	51.8	4.6	1.8	2.5	2.1	2.7	3.5	3.2	
Hodgkin's disease	M	110	16	68	1.6	0.4	2.5	-	-	0.1	0.3	0.4	0.4	1.6	
	F	81	9	37	1.0	0.2	1.1	-	-	0.1	0.2	0.8	0.4	0.2	
Myeloma and non- Hodgkin lymphomas	M	474	34	270	7.4	0.8	10.7	-	1.7	0.3	1.1	1.1	0.7	0.9	
	F	464	15	209	5.0	0.4	6.8	0.4	0.4	0.3	0.8	0.2	0.2	0.4	
Leukaemia	M	641	102	309	9.7	2.5	12.1	2.0	3.6	2.4	2.1	3.2	1.1	2.8	
	F	495	64	220	5.5	1.6	7.0	1.9	1.4	1.6	1.6	1.4	2.5	0.9	
Diabetes	M	1204	11	599	19.2	0.3	24.1	-	-	-	0.1	-	0.9	0.9	
	F	1775	7	599	18.0	0.2	19.7	-	-	-	-	-	0.4	0.9	
ALL VASCULAR DISEASE	M	49156	300	20750	796.9	7.6	832.8	1.3	0.5	1.1	2.8	7.7	11.6	28.1	
	F	52368	121	10094	489.2	3.2	331.2	2.5	0.4	0.3	2.2	3.3	4.6	8.8	
Rheumatic heart disease and fever	M	345	12	249	5.5	0.3	9.5	-	-	0.1	0.1	0.4	0.6	0.9	
	F	492	2	315	5.7	0.1	10.4	-	-	-	-	-	0.2	0.2	
Hypertensive disease	M	625	2	340	9.9	0.1	13.4	-	-	-	-	0.2	-	0.2	
	F	781	1	243	7.8	0.0	8.1	-	-	-	-	-	-	0.2	
Ischaemic heart disease	M	26685	118	12635	430.0	3.0	506.5	-	-	-	0.3	1.9	3.5	15.2	
	F	23407	17	4719	219.8	0.5	155.3	-	-	-	0.2	0.4	1.0	1.6	
Pulmonary embolism and other venous	M	384	3	190	6.1	0.1	7.5	-	-	-	-	-	-	0.5	
	F	538	3	174	5.3	0.1	5.7	-	-	-	-	-	-	0.5	
Cerebrovascular disease	M	12752	49	4395	208.7	1.2	178.7	-	0.2	0.4	0.9	2.1	1.9	3.2	
	F	17175	31	3018	159.1	0.8	98.8	0.6	-	-	0.8	0.6	1.0	2.7	
Other vascular disease	M	8365	116	2941	136.8	2.9	117.2	1.3	0.3	0.6	1.4	3.2	5.7	8.1	
	F	9975	67	1625	91.5	1.8	52.9	1.9	0.4	0.3	1.3	2.3	2.5	3.6	
Chronic obstructive pulmonary disease	M	2466	32	1029	39.9	0.8	41.6	0.4	0.2	0.3	0.5	0.9	1.7	1.8	
	F	1103	10	315	10.9	0.2	10.2	0.4	0.2	0.1	0.5	0.2	-	0.4	
Other respiratory disease	M	3052	209	1035	49.4	5.2	39.9	21.2	2.2	2.4	3.4	1.1	2.0	4.4	
	F	2781	156	449	26.5	4.2	14.5	19.3	1.4	1.9	0.6	1.2	2.7	2.0	
Peptic ulcer	M	561	7	311	8.8	0.2	11.9	0.2	-	-	0.1	-	0.4	0.5	
	F	297	1	93	2.9	0.0	3.0	0.2	-	-	-	-	-	-	
Liver cirrhosis	M	2867	85	2370	43.4	2.2	86.0	0.2	-	-	-	0.6	3.7	10.7	
	F	997	26	658	11.9	0.7	21.0	0.2	0.2	-	0.3	0.2	0.8	3.1	
Renal disease	M	1371	32	685	21.6	0.8	26.4	0.9	0.2	0.1	0.5	0.9	0.9	2.1	
	F	1502	29	610	15.6	0.8	20.0	1.2	0.5	0.3	0.6	0.6	0.8	1.3	
Pregnancy, birth Congenital and perinatal causes	F	16	8	8	0.2	0.2	0.2	-	-	-	-	0.6	0.4	0.5	
	M	1209	1207	2	17.7	31.6	0.1	215.8	1.6	1.1	1.1	0.8	0.4	0.7	
	F	821	817	4	12.6	22.4	0.1	151.9	1.8	1.4	1.0	0.4	0.2	0.5	
Ill-defined causes	M	755	59	232	12.4	1.5	8.4	4.6	0.2	-	0.5	1.1	1.5	2.8	
	F	1024	36	83	9.2	1.0	2.6	4.2	-	-	0.5	0.6	1.0	0.5	
Other medical causes	M	3429	346	1778	52.7	8.7	64.8	15.3	4.8	3.0	5.2	7.3	9.6	15.6	
	F	2985	261	1092	31.6	6.7	34.9	12.9	3.8	4.2	5.6	4.7	5.4	10.4	
ALL NON- MEDICAL CAUSES	M	8286	2215	4382	119.7	55.7	147.5	25.8	12.9	12.3	53.6	97.4	88.5	99.2	
	F	4704	595	1168	48.0	15.3	35.9	18.2	7.8	4.9	22.0	20.7	14.4	19.3	
Road traffic accidents	M	1671	723	780	23.0	18.1	26.1	4.4	5.3	4.3	23.2	40.2	25.3	23.7	
	F	566	198	191	6.6	5.0	5.8	2.1	4.0	1.6	12.2	7.8	3.8	3.2	
Fire	M	130	26	62	1.9	0.6	2.2	-	0.7	0.1	0.8	1.1	0.7	1.1	
	F	71	7	16	0.7	0.2	0.5	0.6	0.2	-	0.2	0.4	-	-	
Suicide	M	2082	441	1298	30.1	11.2	43.2	-	-	1.1	8.6	16.9	22.4	29.1	
	F	716	121	398	8.5	3.1	12.2	-	-	0.5	3.0	5.9	4.4	8.3	
POPULATION:		M=male			7589.7	4120.6	3079.8	543.5	581.5	699.2	650.5	534.1	541.5	570.4	
(1000s; UN, 2015 revision)		F=female			8011.7	3952.4	3360.3	517.4	554.5	668.1	622.8	512.3	521.6	555.6	

1990: Former CZECHOSLOVAKIA

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		
300.9	498.4	836.4	1390.7	2013.8	3197.8	4489.9	7355.9	10130.8	18710.5	M	ALL CAUSES 001-999/A00-Y89
112.0	184.4	296.3	479.3	794.8	1287.2	2114.1	4093.7	6467.6	14992.1	F	
0.5	1.9	3.2	5.3	5.1	5.5	8.4	10.1	12.4	25.1	M	Tuberculosis 010-018, 137/
0.2	-	0.2	0.3	2.2	2.6	1.4	5.2	8.4	19.2	F	A15-A19, B90
1.1	0.3	2.5	1.7	3.5	4.0	5.0	5.4	7.2	15.8	M	Other infective Rest of 001-139,279.5&6/
0.3	1.4	1.4	1.8	1.4	2.8	4.3	6.2	10.7	18.8	F	and parasitic rest of A00-B99 excl A33,A34
47.0	101.5	206.1	432.5	651.0	976.2	1282.5	1865.8	2113.0	2501.2	M	ALL CANCER 140-208/C00-C97
44.8	78.9	132.8	193.8	313.1	444.5	586.6	884.0	1114.5	1439.0	F	
3.5	13.2	24.2	37.1	34.6	32.1	33.6	31.9	23.5	37.2	M	Mouth and 140-149/C00-C14
0.7	0.5	0.6	1.8	2.2	3.3	3.2	4.1	8.4	16.0	F	pharynx cancer
1.4	3.9	8.5	14.2	20.0	24.3	20.5	17.1	36.6	27.9	M	Oesophagus cancer 150/C15
-	0.2	0.4	0.5	1.7	2.4	1.6	1.6	7.3	11.1	F	
2.4	6.3	11.7	26.8	45.1	69.1	108.2	178.0	224.6	286.4	M	Stomach cancer 151/C16
3.7	5.5	7.0	12.1	17.3	25.5	41.2	85.7	108.0	162.9	F	
4.9	6.0	20.2	46.3	66.2	120.9	170.2	278.3	372.8	472.3	M	Colorectal cancer 153, 154/C18-C21
2.8	5.3	12.8	20.1	40.6	56.1	84.4	148.6	202.3	278.4	F	
1.4	2.7	2.8	9.5	12.4	19.4	28.9	42.8	37.9	51.1	M	Liver cancer 155.0/C22 excl C221
0.8	0.5	1.0	2.6	6.7	12.0	12.9	18.6	17.6	15.6	F	
2.2	6.0	8.5	21.7	28.4	54.1	56.6	84.0	105.1	107.9	M	Pancreas cancer 157/C25
0.7	2.6	4.5	6.2	12.0	26.4	39.8	45.9	75.5	72.0	F	
1.9	5.8	11.1	15.9	18.6	22.0	28.6	30.3	34.0	27.9	M	Larynx cancer 161/C32
0.2	0.2	0.6	1.0	1.2	0.5	1.6	1.6	0.8	4.1	F	
7.3	29.4	70.3	166.1	263.2	372.2	464.7	569.1	493.0	473.3	M	Lung cancer 162/C33, C34
1.8	5.1	9.5	13.4	28.4	38.9	46.6	63.0	74.3	72.5	F	
1.6	2.6	3.8	5.0	7.0	11.0	8.4	14.0	13.1	22.3	M	Malignant melanoma 172/C43
1.5	2.2	2.9	2.8	2.6	5.0	5.9	9.8	12.6	18.0	F	
7.8	18.2	35.4	48.9	59.9	81.3	82.6	108.4	142.5	176.0	F	Female breast cancer 174/C50
7.0	9.7	8.2	9.3	13.2	17.7	17.2	23.7	25.3	29.9	F	Cervix cancer 180/C53
2.8	2.2	5.6	7.5	15.6	21.2	36.7	47.5	52.5	61.4	F	Other uterine cancer 179, 182/C54, C55
4.4	8.5	13.4	19.3	28.9	35.8	39.6	50.1	46.4	46.7	F	Ovarian cancer 183/C56, C570-C574
-	-	0.8	3.3	13.2	35.0	66.0	160.9	270.3	369.1	M	Prostate cancer 185/C61
0.2	1.0	1.7	5.0	16.5	29.5	53.8	92.5	92.7	136.7	M	Bladder cancer 188/C67
0.5	0.5	0.2	1.8	2.9	2.1	7.7	15.0	19.2	28.7	F	
14.7	18.6	33.8	62.1	94.3	141.7	182.0	267.4	291.2	380.3	M	Other and ill-defined Rest of 140-199/
7.1	11.4	22.6	36.8	64.5	90.3	130.1	194.0	257.5	368.4	F	cancer sites rest of C00-C80, C97
1.0	1.5	1.3	3.6	3.2	2.0	4.7	3.9	8.5	7.4	M	Hodgkin's disease 201/C81
0.5	0.8	1.2	1.0	1.7	1.4	1.4	7.2	3.8	4.5	F	
2.1	1.7	1.9	8.6	13.0	22.6	25.2	45.1	44.4	40.9	M	Myeloma and non- 200, 202-203/
0.8	2.0	4.1	3.9	7.0	13.0	16.5	32.5	32.6	37.7	F	Hodgkin lymphomas C82-C90, C96
2.4	2.7	5.5	7.2	15.1	20.2	31.1	50.5	65.3	60.4	M	Leukaemia 204-208/C91-C95
2.1	3.4	2.7	4.9	6.7	11.6	17.6	26.8	28.0	35.2	F	
3.8	3.6	5.5	12.3	21.6	48.6	73.4	136.1	145.0	183.2	M	Diabetes 250/E10-E14
1.3	1.2	3.5	9.8	19.5	36.8	66.1	126.4	149.8	218.2	F	
60.7	147.6	293.2	531.8	868.5	1551.5	2376.2	4185.6	6128.8	12399.9	M	ALL VASCULAR 390-459/I00-I99
18.4	39.2	72.5	162.7	311.7	578.2	1135.7	2456.3	4231.7	10786.5	F	DISEASE
1.3	3.1	5.5	10.3	15.4	14.5	16.5	28.0	17.0	20.5	M	Rheumatic heart 390-398/I00-I09
0.3	1.5	4.3	10.0	13.9	17.9	24.9	26.3	27.2	21.7	F	disease and fever
1.3	3.1	6.4	10.9	15.4	24.0	32.7	49.8	69.2	105.1	M	Hypertensive disease 401-405/I10-I15
0.2	0.8	1.0	5.9	12.3	11.8	24.4	43.4	57.9	123.6	F	
33.8	88.0	182.7	338.3	556.4	956.8	1389.5	2267.7	3086.6	5846.6	M	Ischaemic heart 410-414/I20-I25
4.0	12.4	28.0	60.8	148.9	291.0	542.3	1184.8	1893.4	4680.5	F	disease
1.0	1.7	4.0	4.5	7.0	13.9	20.2	33.4	49.6	67.0	M	Pulmonary embolism 415.1, 451-453/
0.3	1.7	1.4	3.1	5.3	10.4	17.4	27.4	46.7	76.2	F	and other venous 126, 180-182
9.7	27.2	52.9	88.6	162.4	337.8	572.0	1169.2	1825.7	3726.7	M	Cerebrovascular 430-438/I60-I69
7.0	11.2	20.4	44.0	85.1	168.8	355.1	815.3	1478.9	3555.9	F	disease
13.7	24.6	41.6	79.2	111.9	204.5	345.3	637.5	1080.7	2634.2	M	Other vascular Rest of 390-459/
6.6	11.4	17.3	38.9	46.2	78.3	171.6	359.2	727.6	2328.6	F	disease rest of I00-I99
2.5	6.3	12.8	24.2	43.8	81.6	119.8	216.9	310.2	605.3	M	Chronic obstructive 490-496/
1.3	2.0	4.9	5.9	11.1	19.8	26.7	56.2	76.6	192.0	F	pulmonary disease J40-J47, J67
8.1	14.5	18.1	29.0	41.1	67.4	101.1	223.9	369.6	887.0	M	Other respiratory Rest of 460-519/
1.6	4.1	5.8	8.0	10.1	26.2	45.9	111.5	192.3	596.9	F	disease rest of J00-J98
2.4	3.9	8.1	8.4	12.2	21.7	26.4	45.1	62.7	82.8	M	Peptic ulcer 531-533/K25-K27
0.7	0.8	0.4	1.0	3.1	5.7	9.3	13.9	23.4	47.1	F	
27.4	46.0	72.2	95.0	111.1	134.8	115.4	116.6	101.9	98.6	M	Liver cirrhosis 571/K70, K74
5.5	11.2	16.1	21.9	30.8	28.8	32.8	45.4	43.3	45.9	F	
6.7	7.2	12.8	22.3	30.8	39.6	65.3	91.0	163.9	265.9	M	Renal disease 580-590/N00-N19
2.6	3.4	5.3	12.9	21.4	38.4	55.7	86.7	116.1	160.5	F	
1.0	0.2	0.2	-	-	-	-	-	-	-	M	Pregnancy, birth 630-676/A34, O00-O99
0.2	-	-	-	-	-	0.3	-	-	-	F	Congenital and 740-779/A33,
0.3	0.2	0.2	-	-	-	-	-	-	-	F	perinatal causes P00-P96, Q00-Q99
3.7	4.6	6.4	8.4	8.4	14.5	12.8	17.1	49.0	341.2	M	Ill-defined causes 780-799/R00-R99
1.3	1.4	2.5	2.3	1.7	4.5	4.5	19.6	37.2	315.2	F	
24.5	35.4	51.0	60.2	67.3	85.3	129.7	186.6	308.2	551.4	M	Other medical causes Rest of 001-799/
11.2	12.6	21.2	27.8	35.6	52.1	83.5	132.6	198.1	351.2	F	rest of A00-R99
112.3	125.6	144.5	159.7	149.4	167.2	173.6	255.8	359.1	753.1	M	ALL NON- E800-E999/V01-Y89
21.5	27.8	29.2	31.1	33.2	46.9	61.6	149.7	265.5	801.6	F	MEDICAL CAUSES
19.8	24.1	24.4	29.0	26.2	30.9	28.6	38.1	40.5	53.0	M	Road traffic E810-E819, E826-E829/
5.3	4.1	4.3	7.7	5.0	8.0	6.3	21.2	25.3	28.7	F	accidents part of V01-V99, Y850
1.6	1.2	0.6	1.9	1.4	4.3	4.7	8.6	7.8	17.7	M	Fire E890-E899/X00-X09
-	-	0.4	0.3	0.2	0.9	1.8	3.1	4.2	12.7	F	
34.1	38.8	47.0	52.1	43.2	38.5	48.5	66.9	79.0	126.5	M	Suicide E950-E959/X60-X84
7.6	10.2	12.4	10.0	12.0	15.6	17.2	24.8	20.7	38.9	F	
627.8	585.3	470.6	358.8	370.1	345.7	321.5	128.6	153.1	107.5	M	POPULATION
617.8	586.7	485.6	388.5	415.8	424.1	441.8	193.8	261.0	244.3	F	(1000s; UN, 2015 revision)

Former CZECHOSLOVAKIA: 1990

Relative importance of deaths in MIDDLE age (35–69) in the year 1990

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 4.9	– / 2.5	–
35–69	22 / 45	2.4 / 23	20 years
70+	11 / 45	2.6 / 61	8 years
All ages	33 / 94	5.0 / 86	16 years

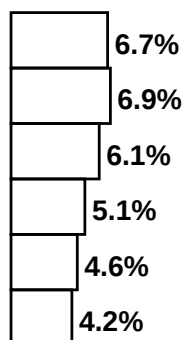
Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 1990

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	4.6/4.8	1.8/2.0	6.4/6.8	–/0.0	0.4/0.6	0.2/0.5	0.6/1.1
All Cancer	–/0.4	7.4/13 (56%)	2.9/8.4 (34%)	10/22	–/0.3	0.5/7.9 (6%)	0.3/8.1 (4%)	0.8/16
Vascular	–/0.3	11/20	5.9/27	17/47	–/0.1	1.5/9.7	1.8/42	3.2/52
Respiratory	–/0.2	1.4/2.0	1.5/3.5	3.0/5.7	–/0.2	0.2/0.8	0.4/3.3	0.6/4.3
All Other	–/3.9	1.6/9.7	0.4/5.4	2.0/19	–/1.8	0.2/4.3	0.1/8.2	0.3/14
All Causes	–/4.9	22/45 (49%)	11/45 (24%)	33/94	–/2.5	2.4/23 (11%)	2.6/61 (4%)	5.0/86

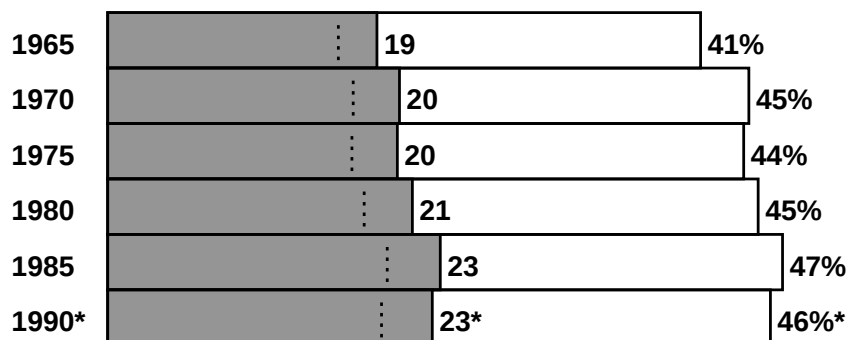
**Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the year 1990**

Cause	Male	Female	Male + Female
All Cancer	10 / 22 (47%)	0.8 / 16 (5%)	11 / 38 (29%)
All Causes	33 / 94 (35%)	5.0 / 86 (6%)	38 / 181 (21%)

1965-1990: Former CZECHOSLOVAKIA

Population risk of
dying at ages 0–34

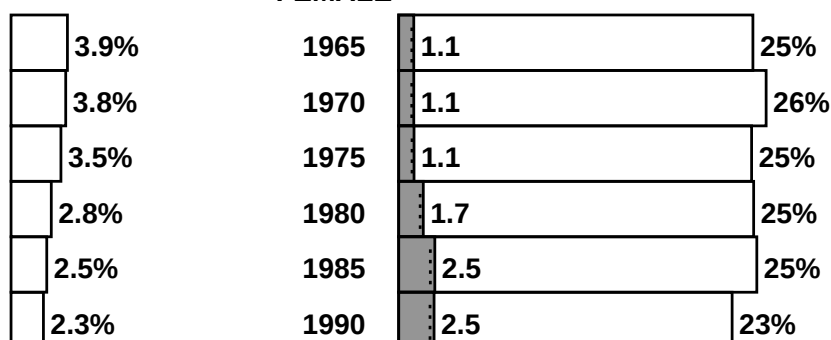
MALE

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

*eg, at year 1990 male death rates, out of 100 men aged 35, 46 would die before age 70 (with 23 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



Former CZECHOSLOVAKIA: 1965-1990

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
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/7.5	16/36 (45%)	7.6/31 (25%)	24/74	-/4.2	0.9/22 (4%)	1.4/39 (4%)	2.3/65
1970	-/7.8	19/41 (45%)	11/37 (31%)	30/86	-/4.1	1.0/24 (4%)	2.1/47 (4%)	3.0/75
1975	-/7.8	18/40 (45%)	14/42 (33%)	32/90	-/4.3	1.0/23 (4%)	1.7/54 (3%)	2.7/80
1980	-/6.8	19/39 (47%)	15/47 (31%)	33/94	-/3.6	1.5/22 (7%)	2.1/61 (3%)	3.5/86
1985	-/5.6	20/40 (50%)	13/49 (27%)	33/95	-/2.9	2.1/21 (10%)	2.2/65 (3%)	4.3/89
1990	-/4.9	22/45 (49%)	11/45 (24%)	33/94	-/2.5	2.4/23 (11%)	2.6/61 (4%)	5.0/86
1995	...	...	...	...	...	...	...	...
2000	...	...	...	...	...	...	...	...
2005	...	...	...	...	...	...	...	...
2010	...	...	...	...	...	...	...	...
2015	...	...	...	...	...	...	...	...

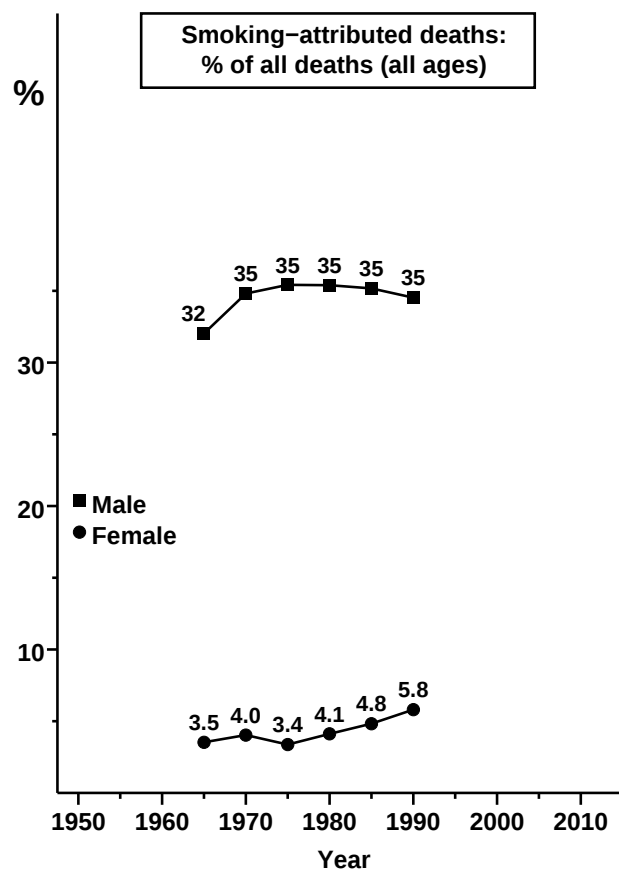
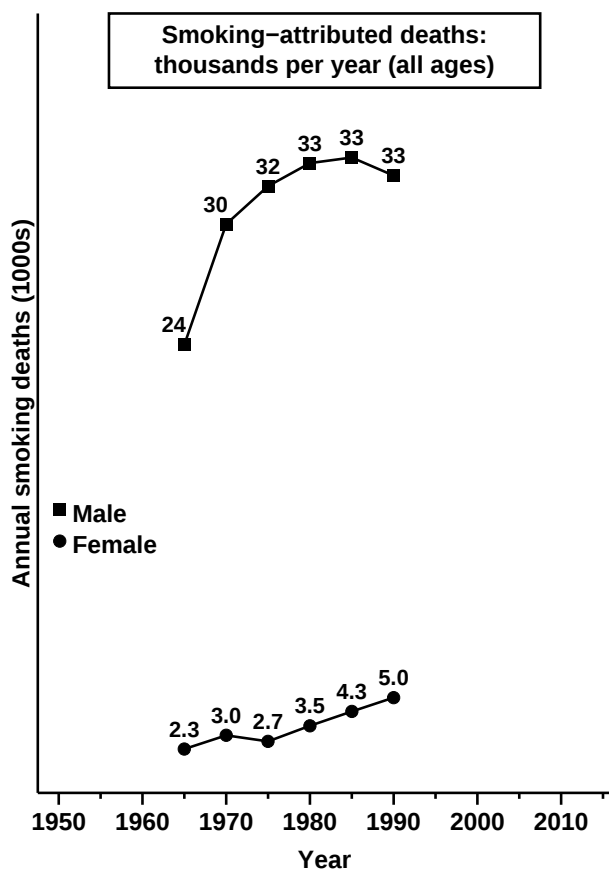
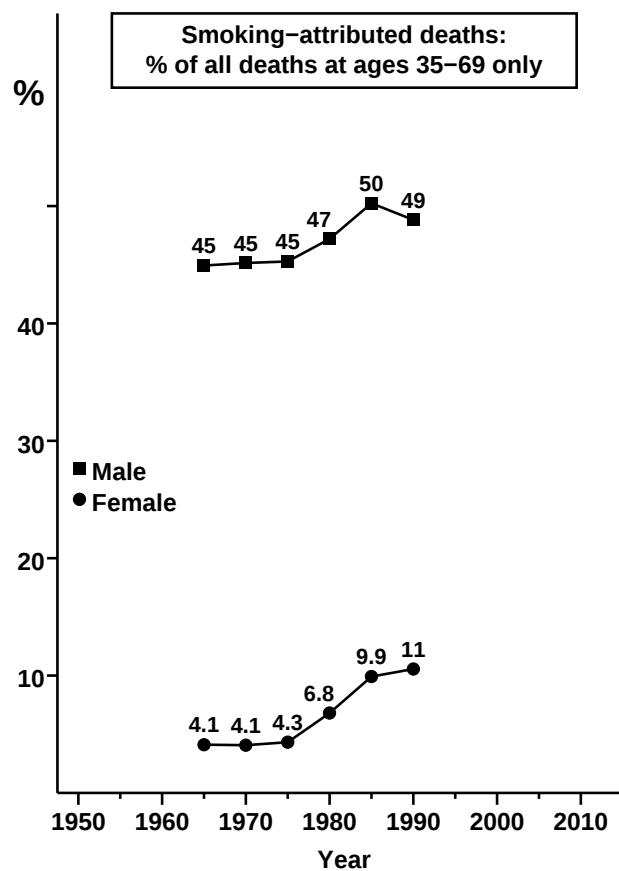
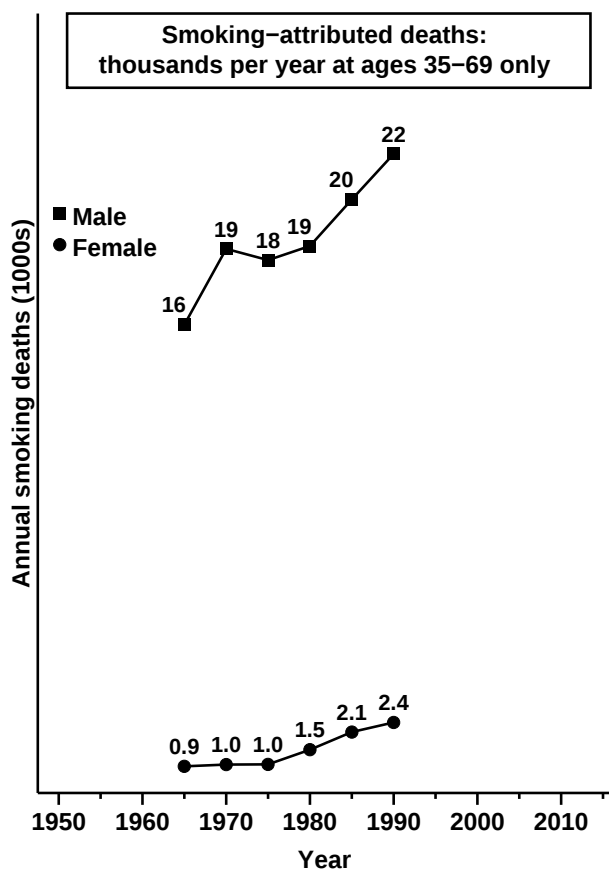
30-year total (thousands), decade of 1960s to decade of 1980s (1960-1990*): 983 / 4938

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

1960-1990, by age & sex:

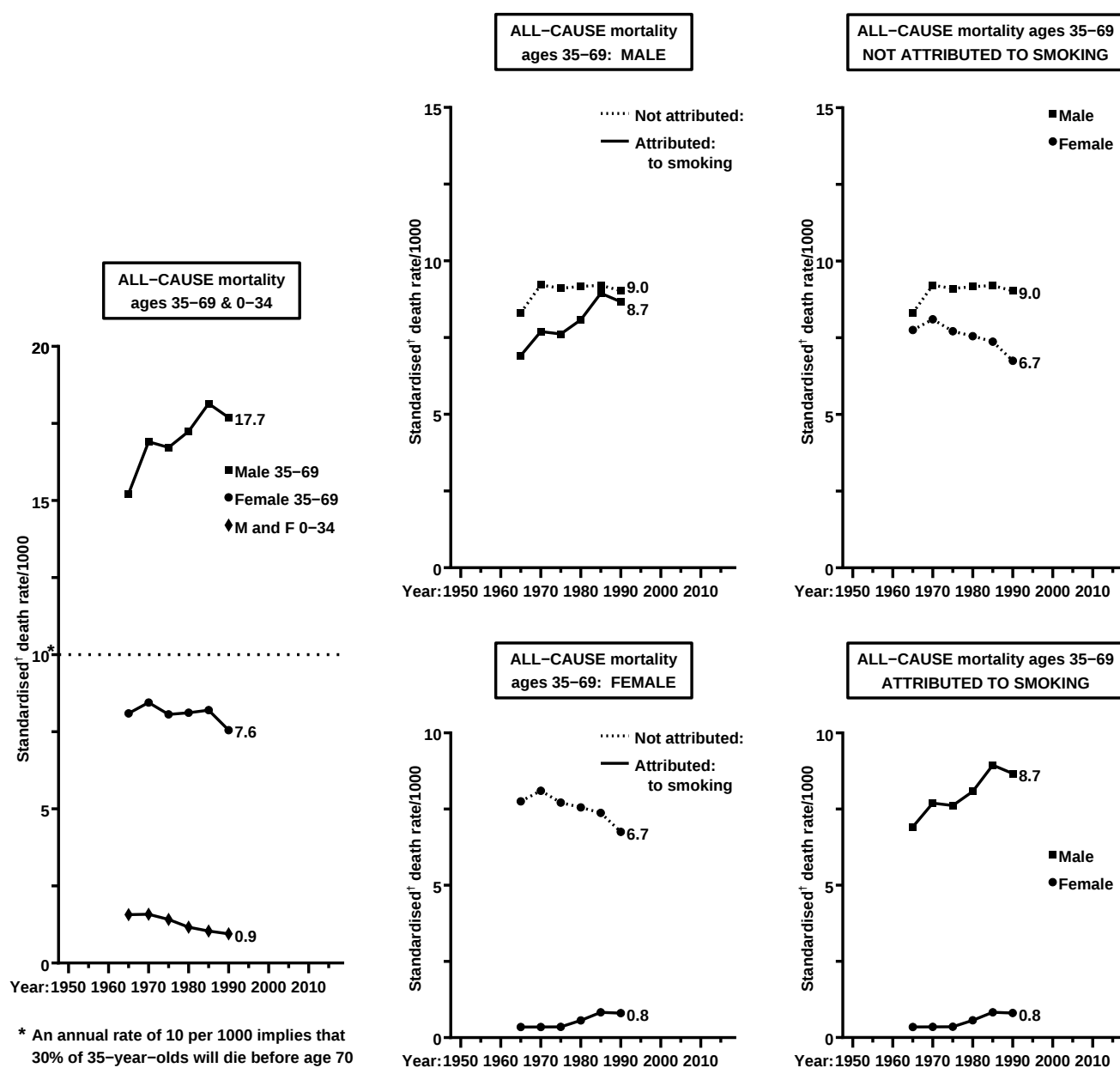
-/209	543/1159 (47%)	347/1223 (28%)	890/2591	-/114	40/656 (6%)	54/1577 (3%)	93/2347
-------	-------------------	-------------------	----------	-------	----------------	-----------------	---------

1965-1990: Former CZECHOSLOVAKIA



Former CZECHOSLOVAKIA: 1965-1990

ALL-CAUSE mortality rates attributed and not attributed to smoking



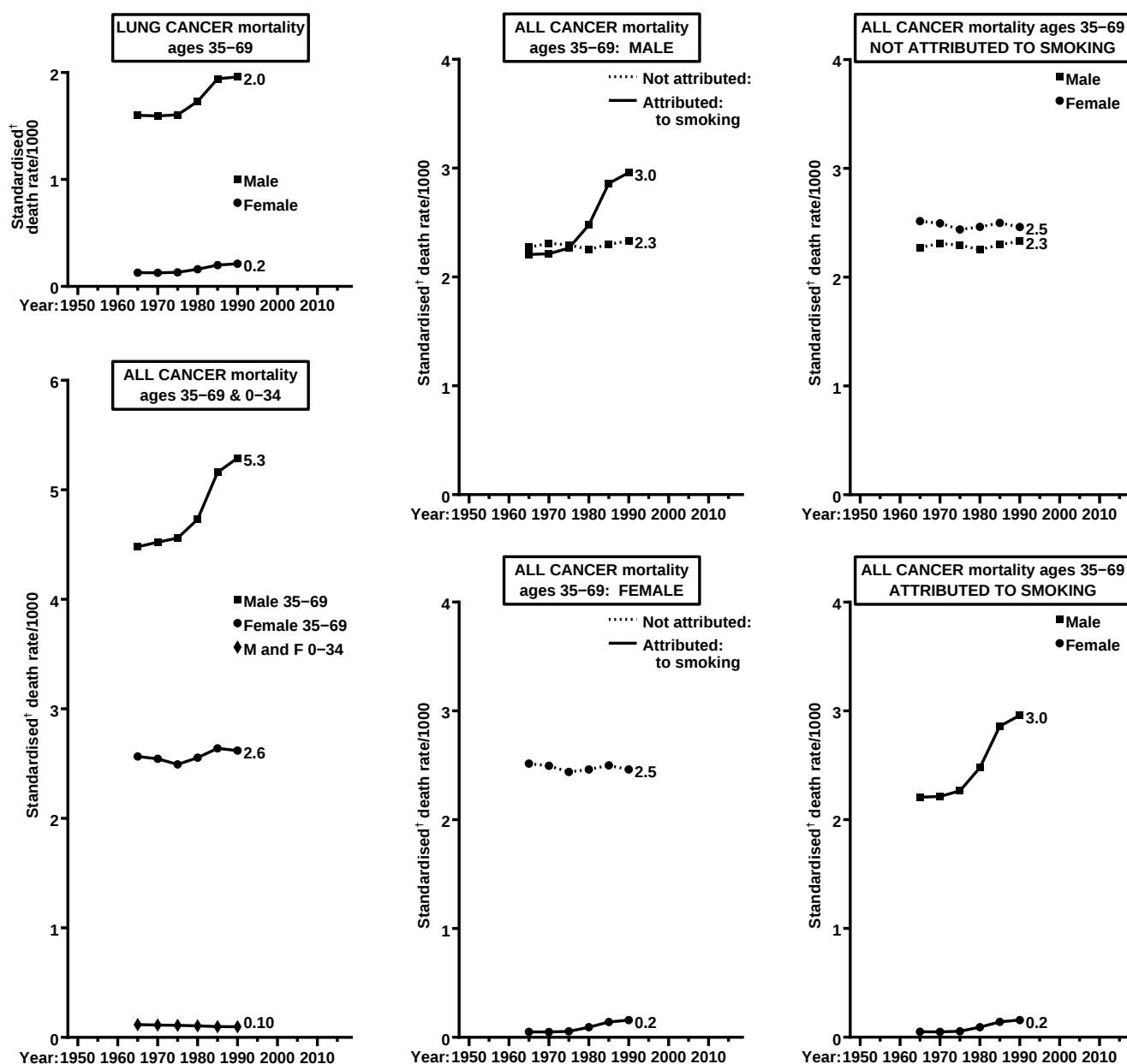
[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)							FEMALE all-cause mortality (annual rate/1000, by age)								
	Attributed to smoking?	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		...	...	...	...	...	...	...	...	...	...	...	...			
1955		...	...	...	...	...	...	...	...	...	...	...	...			
1960		...	...	...	...	...	...	...	...	...	...	...	...			
1965	-	1.99		6.91	8.31		22.3	60.0	-	1.14		0.34	7.75		2.36	56.6
1970	-	2.05		7.69	9.21		29.6	62.4	-	1.11		0.35	8.10		2.79	58.5
1975	-	1.81		7.61	9.10		30.7	60.2	-	1.01		0.35	7.71		1.94	56.1
1980	-	1.51		8.08	9.16		28.4	61.1	-	0.81		0.56	7.55		2.14	54.8
1985	-	1.35		8.94	9.20		24.6	62.5	-	0.72		0.83	7.37		2.20	53.0
1990	-	1.24		8.66	9.03		23.8	61.4	-	0.65		0.80	6.75		3.04	49.4
1995		...	...	...	...		...	...	...	...		...	...		...	...
2000		...	...	...	...		...	...	...	...		...	...		...	...
2005		...	...	...	...		...	...	...	...		...	...		...	...
2010		...	...	...	...		...	...	...	...		...	...		...	...
2015		...	...	...	...		...	...	...	...		...	...		...	...

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

1965-1990: Former CZECHOSLOVAKIA

ALL CANCER mortality rates attributed and not attributed to smoking



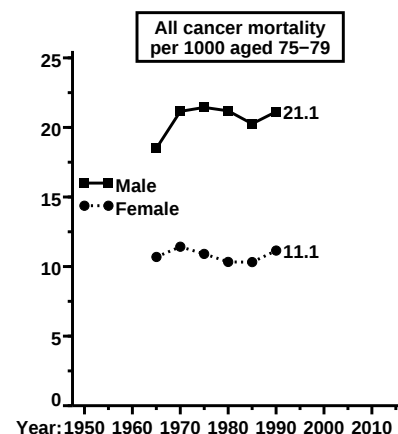
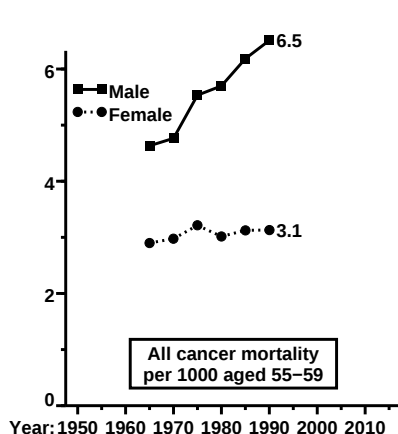
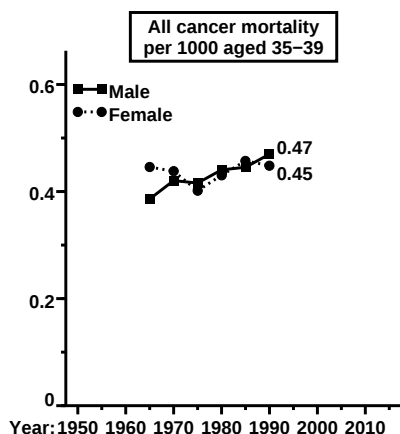
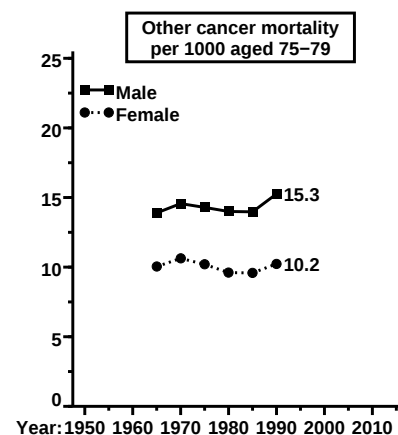
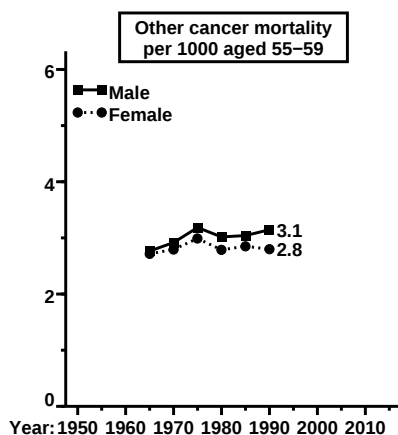
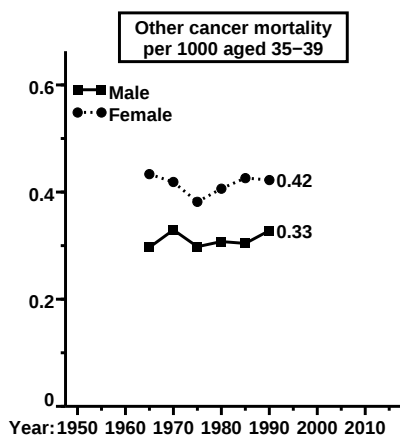
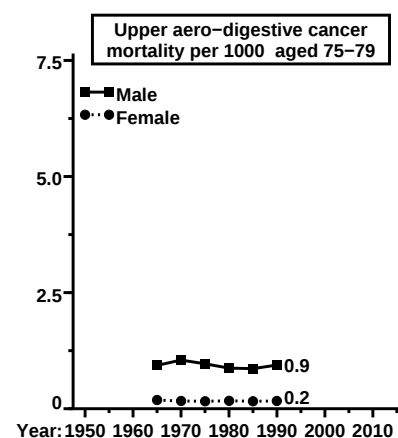
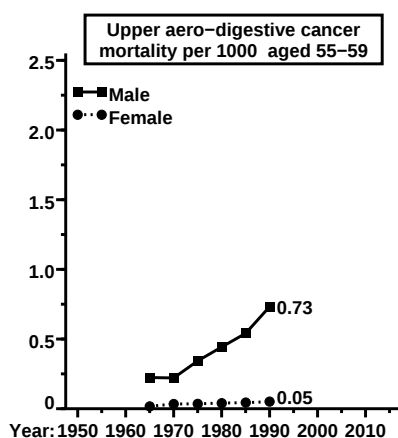
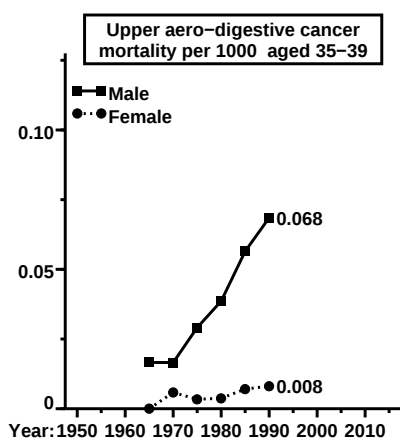
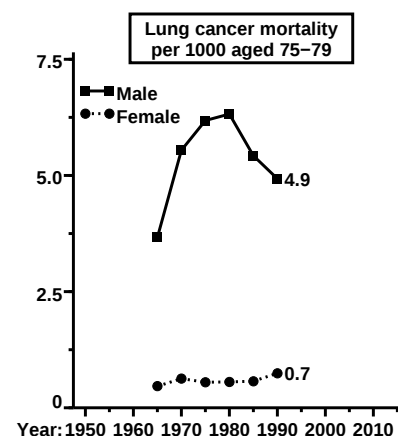
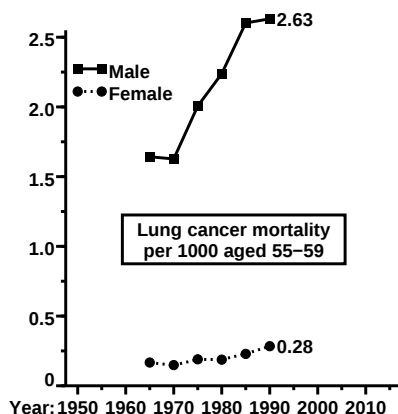
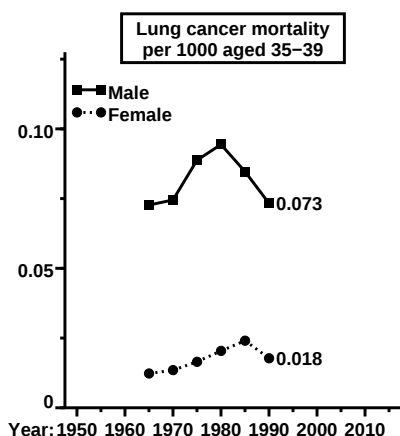
[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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		0-34		35-69		70-79		
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950		...	...	...	...	...	...	...	...	...	...	...	...	
1955		...	...	...	...	...	...	...	...	...	...	...	...	
1960		...	...	...	...	...	...	...	...	...	...	...	...	
1965	-	0.13		2.21	2.27	6.11	11.7	-	0.11	0.05	2.51	0.27	9.62	
1970	-	0.12		2.21	2.31	7.77	11.6	-	0.10	0.05	2.49	0.31	9.61	
1975	-	0.12		2.26	2.29	8.28	11.2	-	0.10	0.05	2.44	0.22	9.20	
1980	-	0.12		2.48	2.25	7.79	11.0	-	0.09	0.09	2.46	0.27	8.82	
1985	-	0.11		2.86	2.30	6.94	11.2	-	0.09	0.14	2.50	0.30	8.83	
1990	-	0.11		2.96	2.33	7.22	12.2	-	0.09	0.16	2.46	0.46	9.27	
1995		...	...	...	...	...	...	...	...	...	...	...	...	
2000		...	...	...	...	...	...	...	...	...	...	...	...	
2005		...	...	...	...	...	...	...	...	...	...	...	...	
2010		...	...	...	...	...	...	...	...	...	...	...	...	
2015		...	...	...	...	...	...	...	...	...	...	...	...	

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

Former CZECHOSLOVAKIA: 1965-1990

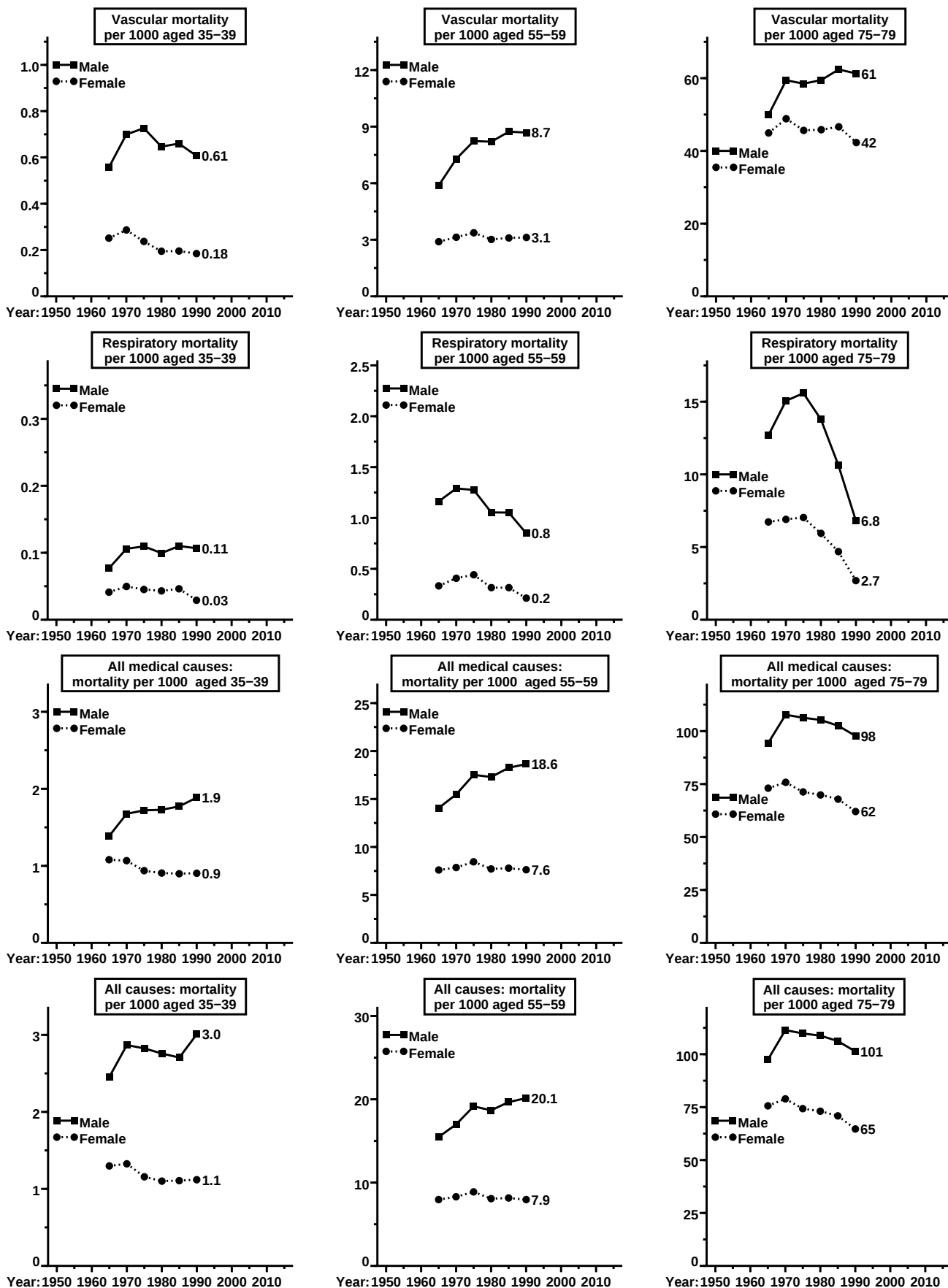
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: years 1965 and 1990 separately, and averages of years 1968–1972, ..., 1983–1987

1965-1990: Former CZECHOSLOVAKIA

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



* Annual mortality per 1000: years 1965 and 1990 separately, and averages of years 1968-1972, ..., 1983-1987