

**MORTALITY FROM SMOKING
IN DEVELOPED COUNTRIES
1950–2000**

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BELARUS

Raw data (pages 74–75, 76–77)

Analyses (pages 78–79, 80–81, 82–83)

Appendix (pages 84–85)

2000: BELARUS

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			
615.1	883.1	1199.8	2052.6	2770.6	3954.3	5054.2	6956.9	9455.7	19777.8	M	ALL CAUSES	001-999/A00-Y89
159.2	250.0	369.1	667.4	919.2	1381.7	2238.4	3516.4	6164.9	15834.6	F		
14.8	25.3	27.5	35.2	28.0	30.3	17.7	16.7	12.5	26.6	M	Tuberculosis	010-018/A15-A19
1.9	1.6	2.6	1.1	2.5	3.3	0.7	4.7	7.0	5.5	F		
11.4	10.2	8.1	7.2	3.7	1.7	1.1	0.6	-	-	M	HIV	279.5, 279.6/B20-B24
0.7	0.7	0.5	0.4	-	-	-	-	-	-	F		
...	...	...	1.7	1.1	3.8	1.6	3.2	8.3	9.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.2	0.7	1.8	1.5	2.5	2.4	2.1	3.7	3.2	0.7	F		
37.0	73.9	164.9	403.1	626.3	932.1	1166.2	1433.4	1477.8	1280.2	M	ALL CANCER	140-208/C00-C97
42.5	74.8	114.9	191.8	222.5	319.9	425.0	531.9	588.6	515.5	F		
1.5	6.2	16.3	42.9	44.4	52.1	35.9	39.9	51.2	31.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	0.5	0.8	2.3	0.4	3.0	2.5	4.7	5.4	4.1	F		
-	0.5	7.3	18.2	16.9	22.6	29.5	30.3	23.5	36.2	M	Oesophagus cancer	150/C15
-	-	1.3	0.4	-	1.8	1.1	2.7	5.9	4.8	F		
6.1	13.4	22.2	60.7	93.6	142.2	212.9	231.8	263.2	217.4	M	Stomach cancer	151/C16
4.1	9.6	13.0	24.6	26.6	44.2	71.3	99.5	118.7	101.3	F		
2.4	5.7	9.8	28.0	40.7	81.6	115.8	158.4	205.0	246.4	M	Colorectal cancer	153, 154/C18-C21
2.6	6.8	9.0	15.5	27.9	46.0	59.3	90.4	107.9	96.5	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
1.9	3.5	11.0	25.0	27.0	51.2	43.4	46.4	34.6	26.6	M	Larynx cancer	161/C32
-	-	0.3	0.8	0.8	0.3	1.1	1.0	0.5	-	F		
4.1	15.6	45.0	107.3	220.9	313.4	357.6	428.2	338.0	212.6	M	Lung cancer	162/C33, C34
1.0	1.9	5.6	5.3	10.2	13.6	23.6	27.0	38.1	33.8	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
10.0	18.1	33.0	54.1	50.3	57.9	60.0	70.2	63.4	53.8	F	Female breast cancer	174/C50
4.8	6.3	12.3	9.8	12.3	10.6	13.1	15.9	20.9	20.0	F	Cervix cancer	180/C53
1.4	1.9	3.3	11.0	9.7	20.0	24.3	23.9	24.7	20.7	F	Other uterine cancer	179, 182/C54, C55
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
0.5	-	0.3	6.4	15.3	31.2	56.3	111.4	142.7	164.3	M	Prostate cancer	185/C61
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
12.2	22.1	44.1	98.4	141.1	197.3	265.4	307.1	350.4	304.3	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
12.2	23.0	31.2	53.7	70.6	99.7	134.4	158.9	162.2	162.0	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
3.4	4.7	6.5	8.5	15.9	22.2	22.5	38.6	24.9	12.1	M	Myeloma and all lymphomas	200-203 incl 201/C81-C90, C96
2.1	4.2	2.3	7.9	7.6	11.8	18.3	18.5	19.9	11.0	F	Leukaemia	204-208/C91-C95
4.9	2.2	2.5	7.6	10.6	18.4	26.8	41.2	44.3	29.0	M		
3.8	2.6	2.8	6.4	5.9	10.9	16.2	19.2	20.9	7.6	F		
3.4	2.5	5.6	12.3	9.0	16.2	24.1	21.2	22.2	24.2	M	Diabetes	250/E10-E14
1.0	2.1	2.0	8.3	9.7	20.9	27.9	31.7	37.1	17.2	F		
131.0	234.5	405.7	803.1	1236.8	2026.9	2863.3	4314.2	6504.2	10949.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
27.2	56.1	102.6	252.7	437.8	790.7	1491.7	2595.6	4829.8	8745.7	F		
3.2	7.4	9.6	16.1	22.7	21.8	12.3	12.2	5.5	4.8	M	Rheumatic heart disease and fever	390-398/I00-I09
0.7	3.0	7.4	10.2	15.2	20.6	19.0	16.5	11.3	4.8	F	Hypertensive disease	401-405/I10-I15
2.9	5.5	6.5	18.7	24.8	26.0	25.7	29.6	33.2	24.2	M		
0.5	2.3	3.3	6.4	14.8	14.5	26.5	17.2	36.5	46.2	F		
79.0	146.2	259.1	511.7	777.0	1326.2	1915.3	2976.2	4696.7	8072.5	M	Ischaemic heart disease	410-414/I20-I25
7.9	20.6	38.6	108.6	222.9	441.7	881.5	1642.2	3154.7	6188.2	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
20.2	38.7	82.3	177.8	292.3	502.6	757.6	1075.3	1441.8	2340.6	M	Cerebrovascular disease	430-438/I60-I69
8.4	19.9	38.6	100.3	152.7	266.0	506.2	826.6	1446.8	2125.4	F		
25.8	36.7	48.3	78.9	120.0	150.3	152.3	220.9	326.9	507.2	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
9.8	10.1	14.6	27.2	32.1	47.9	58.6	93.1	180.5	401.1	F	Chronic obstructive pulmonary disease	490-493/J40-J46
3.2	8.4	14.3	45.0	100.4	205.0	350.7	504.2	669.0	1287.4	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
1.0	1.6	4.9	8.7	11.8	33.3	62.8	98.1	215.4	433.5	F		
9.7	17.6	31.5	45.0	56.6	67.5	60.1	83.1	106.6	181.2	M		
4.1	3.0	3.1	7.9	6.3	9.4	13.4	23.3	37.6	54.4	F		
3.4	6.2	6.5	10.6	15.9	15.4	22.0	21.2	19.4	48.3	M	Peptic ulcer	531-533/K25-K27
-	0.2	0.3	0.8	3.0	3.6	5.3	6.7	10.2	17.9	F		
16.0	24.3	29.5	49.6	51.3	73.9	49.3	47.0	37.4	31.4	M	Liver cirrhosis & some other digestive	570-3, 575.2-579.9/K70-K77, K82-K92
4.1	11.7	16.9	27.6	33.4	26.4	27.9	18.2	25.8	15.2	F	Renal disease	580-590/N00-N19
3.9	8.2	12.9	18.2	25.9	26.5	27.3	27.7	56.8	62.8	M		
2.9	4.9	6.1	9.8	22.0	18.2	22.6	28.3	27.4	27.6	F		
1.2	0.2	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-O99
0.2	1.7	1.1	2.5	1.6	0.9	1.6	1.9	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.0	1.6	0.3	1.1	0.4	0.9	0.4	0.7	-	-	F	Ill-defined causes	780-799/R00-R99
19.2	22.6	36.0	41.2	42.8	59.8	47.7	72.1	164.8	5067.6	M		
3.1	4.0	7.9	11.7	17.8	15.8	11.6	32.4	190.1	5722.3	F		
27.2	38.5	47.8	59.0	72.4	90.1	106.2	124.3	134.3	248.8	M	Other medical causes	Rest of 001-799/rest of A00-R99
10.3	18.1	20.2	38.2	32.1	40.6	58.2	63.7	87.5	113.7	F		
334.5	409.2	408.3	518.9	498.9	404.4	315.3	285.9	242.4	560.4	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
58.2	68.5	85.2	105.6	117.2	96.3	88.9	77.2	105.3	165.4	F	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
31.9	40.0	31.8	31.4	34.9	20.1	29.0	32.2	29.1	29.0	M	Fire	E890-E899/X00-X09
9.1	5.9	7.7	11.0	8.9	10.3	13.8	8.8	12.4	15.9	F	Suicide	E950-E959/X60-X84
12.6	16.9	13.5	22.5	19.6	25.6	21.4	14.8	18.0	26.6	M	Homicide	E960-E969/X85-X99, Y00-Y09
1.7	1.2	2.0	3.8	3.8	5.8	5.6	5.7	12.4	9.0	F		
82.7	94.5	96.7	114.1	119.5	91.4	82.6	81.8	67.9	113.5	M		
8.8	11.7	12.0	13.6	12.7	15.1	15.2	16.5	16.1	26.2	F		
25.5	23.8	24.7	23.3	21.7	17.1	13.4	15.5	9.7	41.1	M		
8.1	8.2	12.5	11.4	10.2	9.7	8.8	7.1	8.1	12.4	F		
411.3	403.0	355.9	235.7	189.2	234.2	186.5	155.3	72.2	41.4	M	POPULATION	(1000s; UN, 2004 revision)
419.1	426.4	390.9	264.3	236.4	330.1	283.5	296.5	186.2	145.1	F		

BELARUS: 1995, 2000**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5838	241	14	8	219	18	210	492	37	1333	3507
35-69	Sm.	14652	4556	2675	858	1023	1354	337	7005	-	1400	-
	Total	40483	8557	2816	1150	4591	1621	801	17944	565	3260	7735
		(36%)	(53%)	(95%)	(75%)	(22%)	(84%)	(42%)	(39%)		(43%)	
70+	Sm.	3872	964	632	123	209	1044	30	1380	-	454	-
	Total	22459	2764	705	218	1841	1504	254	12350	64	4984	539
		(17%)	(35%)	(90%)	(56%)	(11%)	(69%)	(12%)	(11%)		(9%)	
Any age	Sm.	18524	5520	3307	981	1232	2398	367	8385	-	1854	-
	Total	68780	11562	3535	1376	6651	3143	1265	30786	666	9577	11781
		(27%)	(48%)	(94%)	(71%)	(19%)	(76%)	(29%)	(27%)		(19%)	
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5257	214	10	4	200	14	86	418	42	1093	3390
35-69	Sm.	12779	3785	2184	755	846	1250	279	6184	-	1281	-
	Total	39126	7530	2312	1046	4172	1528	706	17248	748	3186	8180
		(33%)	(50%)	(94%)	(72%)	(20%)	(82%)	(40%)	(36%)		(40%)	
70+	Sm.	4729	1346	893	168	285	1224	34	1869	-	256	-
	Total	25819	3823	997	299	2527	1799	281	15929	113	3023	851
		(18%)	(35%)	(90%)	(56%)	(11%)	(68%)	(12%)	(12%)		(8%)	
Any age	Sm.	17508	5131	3077	923	1131	2474	313	8053	-	1537	-
	Total	70202	11567	3319	1349	6899	3341	1073	33595	903	7302	12421
		(25%)	(44%)	(93%)	(68%)	(16%)	(74%)	(29%)	(24%)		(21%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2004 revision)													
1995	4816.0	2613.1	1997.7	426.0	372.7	257.6	216.1	276.2	237.9	211.2	106.3	40.5	58.4
2000	4706.1	2421.4	2015.8	411.3	403.0	355.9	235.7	189.2	234.2	186.5	155.3	72.2	41.4
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	68780	5838	40483	2677	3304	3886	4387	7581	8561	10087	7043	4474	10942
2000	70202	5257	39126	2530	3559	4270	4838	5242	9261	9426	10804	6827	8188
Lung cancer													
1995	3535	14	2816	23	72	146	316	641	800	818	419	164	122
2000	3319	10	2312	17	63	160	253	418	734	667	665	244	88
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1800.6*	231.4*	2310.4*	628.4	886.5	1508.5	2030.1	2744.8	3598.6	4776.0	6625.6	11046.9	18736.3
2000	1807.2*	229.1*	2361.4*	615.1	883.1	1199.8	2052.6	2770.6	3954.3	5054.2	6956.9	9455.7	19777.8
All cancer													
1995	289.3*	9.3*	508.3*	46.0	89.9	229.0	426.7	653.9	920.6	1192.2	1352.8	1681.5	1104.5
2000	281.0*	9.0*	486.2*	37.0	73.9	164.9	403.1	626.3	932.1	1166.2	1433.4	1477.8	1280.2
Lung cancer													
1995	86.5*	0.5*	169.0*	5.4	19.3	56.7	146.2	232.1	336.3	387.3	394.2	404.9	208.9
2000	79.3*	0.4*	152.0*	4.1	15.6	45.0	107.3	220.9	313.4	357.6	428.2	338.0	212.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	34.0*	0.3*	67.1*	5.9	16.4	50.5	85.1	99.2	100.5	112.2	119.5	101.2	85.6
2000	33.0*	0.2*	65.3*	3.4	10.2	34.6	86.1	88.3	126.0	108.8	116.5	109.4	94.2
Other cancer													
1995	168.8*	8.5*	272.2*	34.7	54.2	121.9	195.3	322.6	483.8	692.7	839.1	1175.3	809.9
2000	168.6*	8.4*	268.9*	29.4	48.1	85.4	209.6	317.1	492.7	699.7	888.6	1030.5	973.4
Chronic obstructive pulmonary disease (COPD)													
1995	87.7*	0.7*	98.6*	3.1	9.4	25.6	44.0	116.2	192.1	300.2	508.9	780.2	1107.9
2000	89.8*	0.6*	103.8*	3.2	8.4	14.3	45.0	100.4	205.0	350.7	504.2	669.0	1287.4
Other respiratory disease													
1995	31.7*	9.0*	45.3*	13.4	18.0	33.8	49.5	56.8	71.5	73.9	95.0	123.5	176.4
2000	27.3*	4.8*	41.1*	9.7	17.6	31.5	45.0	56.6	67.5	60.1	83.1	106.6	181.2
Vascular disease													
1995	840.7*	18.5*	1057.7*	140.4	267.2	536.1	802.9	1233.2	1813.8	2610.3	3879.6	6879.0	9315.1
2000	887.4*	17.6*	1100.2*	131.0	234.5	405.7	803.1	1236.8	2026.9	2863.3	4314.2	6504.2	10949.3
Liver cirrhosis and some other digestive													
1995	15.6*	1.4*	31.5*	10.1	17.2	28.0	34.7	37.7	41.6	51.1	31.0	42.0	24.0
2000	20.8*	1.8*	42.0*	16.0	24.3	29.5	49.6	51.3	73.9	49.3	47.0	37.4	31.4
Other medical causes													
1995	278.0*	56.7*	179.1*	76.8	104.4	170.4	196.7	204.2	215.2	286.0	523.0	1251.9	6714.0
2000	227.3*	55.0*	175.2*	83.6	115.1	145.5	188.0	200.3	244.7	249.3	289.1	418.3	5487.9
All non-medical causes													
1995	257.6*	135.8*	389.9*	338.7	380.5	485.6	475.7	442.8	343.8	262.3	235.2	288.9	294.5
2000	273.6*	140.3*	412.8*	334.5	409.2	408.3	518.9	498.9	404.4	315.3	285.9	242.4	560.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: BELARUS

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2065	260	4	3	253	12	101	126	11	809	746
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	19500 (0%)	4592 (0%)	222 (0%)	72 (0%)	4298 (0%)	441 (0%)	202 (0%)	10099 (0%)	309	1882 (0%)	1975
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	43430 (0%)	3018 (0%)	213 (0%)	76 (0%)	2729 (0%)	1314 (0%)	298 (0%)	24936 (0%)	103	13197 (0%)	564
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	64995 (0%)	7870 (0%)	439 (0%)	151 (0%)	7280 (0%)	1767 (0%)	601 (0%)	35161 (0%)	423	15888 (0%)	3285
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1764	196	4	3	189	7	67	131	17	614	732
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	18020 (0%)	4240 (0%)	184 (0%)	55 (0%)	4001 (0%)	369 (0%)	147 (0%)	9296 (0%)	451	1522 (0%)	1995
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	44881 (0%)	3421 (0%)	200 (0%)	60 (0%)	3161 (0%)	1321 (0%)	218 (0%)	29379 (0%)	124	9753 (0%)	665
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	64665 (0%)	7857 (0%)	388 (0%)	118 (0%)	7351 (0%)	1697 (0%)	432 (0%)	38806 (0%)	592	11889 (0%)	3392

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
POPULATION (1000s; UN, 2004 revision)													
1995	5433.0	2551.1	2350.5	434.4	387.8	272.0	245.6	346.4	318.2	346.1	236.7	110.6	184.1
2000	5322.5	2344.0	2350.7	419.1	426.4	390.9	264.3	236.4	330.1	283.5	296.5	186.2	145.1
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	64995	2065	19500	715	937	1295	1616	3353	4496	7088	8618	7254	27558
2000	64665	1764	18020	667	1066	1443	1764	2173	4561	6346	10426	11479	22976
Lung cancer													
1995	439	4	222	2	6	8	13	44	56	93	94	56	63
2000	388	4	184	4	8	22	14	24	45	67	80	71	49
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	903.1*	86.5*	852.7*	164.6	241.6	476.1	658.0	968.0	1412.9	2048.0	3640.9	6558.8	14969.0
2000	904.0*	84.3*	855.0*	159.2	250.0	369.1	667.4	919.2	1381.7	2238.4	3516.4	6164.9	15834.6
All cancer													
1995	123.9*	9.9*	202.4*	36.1	69.1	140.8	177.9	266.5	318.4	407.7	567.4	733.3	469.3
2000	118.1*	8.2*	198.8*	42.5	74.8	114.9	191.8	222.5	319.9	425.0	531.9	588.6	515.5
Lung cancer													
1995	6.4*	0.2*	9.6*	0.5	1.5	2.9	5.3	12.7	17.6	26.9	39.7	50.6	34.2
2000	5.5*	0.2*	8.7*	1.0	1.9	5.6	5.3	10.2	13.6	23.6	27.0	38.1	33.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.3*	0.1*	3.2*	0.5	1.3	1.1	3.3	3.2	6.0	6.9	10.6	17.2	17.4
2000	1.7*	0.1*	2.5*	0.5	0.5	2.3	3.4	1.3	5.1	4.6	8.4	11.8	9.0
Other cancer													
1995	115.2*	9.6*	189.6*	35.2	66.3	136.8	169.4	250.6	294.8	373.9	517.1	665.5	417.7
2000	110.9*	8.0*	187.5*	41.0	72.5	106.9	183.1	211.1	301.1	396.8	496.5	538.7	472.8
Chronic obstructive pulmonary disease (COPD)													
1995	23.4*	0.4*	19.3*	0.7	1.5	7.4	12.6	15.9	36.5	60.7	122.9	208.0	430.7
2000	22.1*	0.3*	17.7*	1.0	1.6	4.9	8.7	11.8	33.3	62.8	98.1	215.4	433.5
Other respiratory disease													
1995	9.9*	4.8*	8.9*	3.5	3.9	4.8	9.8	6.4	13.8	19.9	29.6	60.6	87.5
2000	7.3*	3.9*	6.8*	4.1	3.0	3.1	7.9	6.3	9.4	13.4	23.3	37.6	54.4
Vascular disease													
1995	474.8*	4.9*	439.8*	29.9	54.9	143.4	274.0	459.9	805.5	1310.9	2508.7	4418.6	7664.9
2000	508.3*	5.6*	451.3*	27.2	56.1	102.6	252.7	437.8	790.7	1491.7	2595.6	4829.8	8745.7
Liver cirrhosis and some other digestive													
1995	7.1*	0.4*	13.6*	5.3	6.7	8.5	15.1	22.2	19.8	17.3	19.4	24.4	16.3
2000	10.4*	0.7*	21.1*	4.1	11.7	16.9	27.6	33.4	26.4	27.9	18.2	25.8	15.2
Other medical causes													
1995	204.6*	36.2*	82.5*	32.5	33.8	70.6	69.6	89.8	130.1	150.8	311.8	1016.3	6157.0
2000	176.5*	33.8*	70.8*	22.2	34.2	41.7	73.0	90.1	105.7	128.7	172.0	362.5	5904.9
All non-medical causes													
1995	59.4*	29.9*	86.4*	56.6	71.7	100.7	98.9	107.4	88.9	80.6	81.1	97.6	143.4
2000	61.4*	31.9*	88.5*	58.2	68.5	85.2	105.6	117.2	96.3	88.9	77.2	105.3	165.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

BELARUS: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 5.3	– / 1.8	–
35–69	13 / 39	0.0 / 18	19 years
70+	4.7 / 26	0.0 / 45	9 years
All ages	18 / 70	0.0 / 65	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

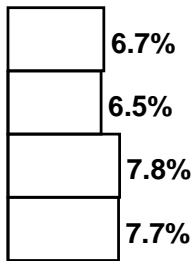
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.2/2.3	0.9/1.0	3.1/3.3	–/0.0	0.0/0.2	0.0/0.2	0.0/0.4
All Cancer	–/0.2	3.8/7.5 (50%)	1.3/3.8 (35%)	5.1/12	–/0.2	0.0/4.2 (0%)	0.0/3.4 (0%)	0.0/7.9
Vascular	–/0.4	6.2/17	1.9/16	8.1/34	–/0.1	0.0/9.3	0.0/29	0.0/39
Respiratory	–/0.1	1.5/2.2	1.3/2.1	2.8/4.4	–/0.1	0.0/0.5	0.0/1.5	0.0/2.1
All Other	–/4.5	1.3/12	0.3/4.0	1.5/21	–/1.4	0.0/4.0	0.0/11	0.0/16
All Causes	–/5.3	13/39 (33%)	4.7/26 (18%)	18/70	–/1.8	0.0/18 (0%)	0.0/45 (0%)	0.0/65

**Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	5.1 / 12 (44%)	0.0 / 7.9 (0%)	5.1 / 19 (26%)
All Causes	18 / 70 (25%)	0.0 / 65 (0%)	18 / 135 (13%)

1985-2000: BELARUS

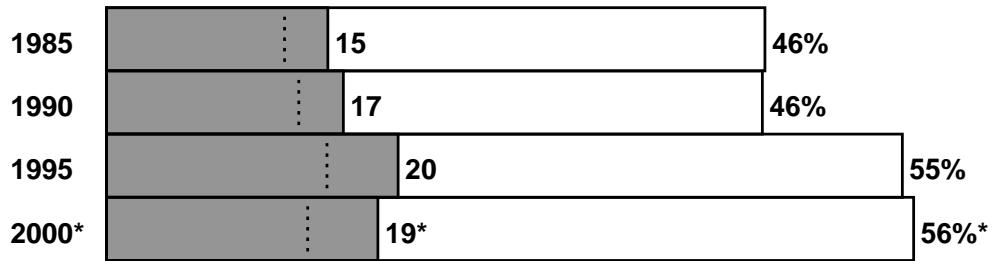
Population risk of dying at ages 0-34



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

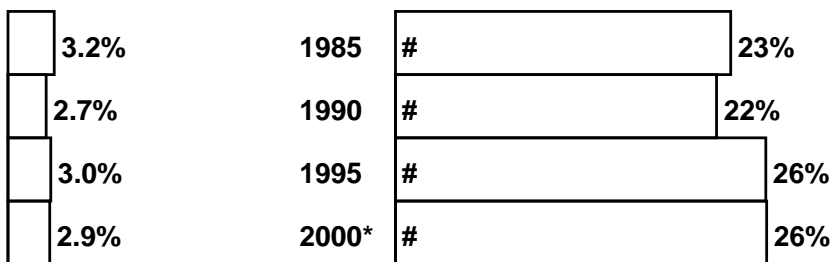
*eg, at year 2000 male death rates, out of 100 men aged 35, 56 would die before age 70 (with 19 of these deaths attributed to smoking)

MALE



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

BELARUS: 1980-2000

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	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/5.6	8.5/24 (36%)	2.4/22 (11%)	11/51	-/2.6	0.0/14	0.0/38	0.0/55
1990	-/5.4	11/29 (37%)	2.8/20 (14%)	13/53	-/2.1	0.2/16	0.1/38	0.3/56
1995	-/5.8	15/40 (36%)	3.9/22 (17%)	19/69	-/2.1	0.0/20	0.0/43	0.0/65
2000	-/5.3	13/39 (33%)	4.7/26 (18%)	18/70	-/1.8	0.0/18	0.0/45	0.0/65

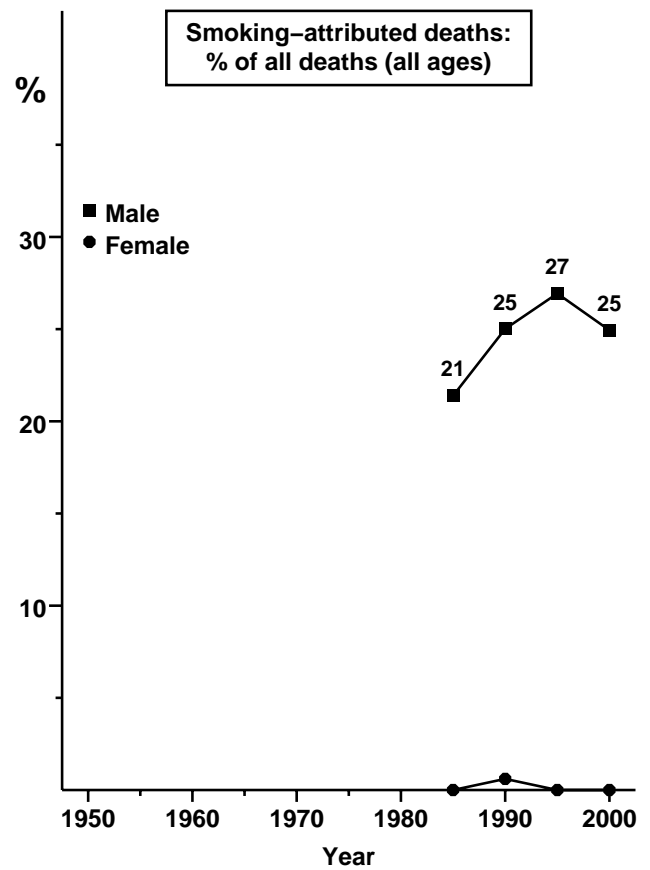
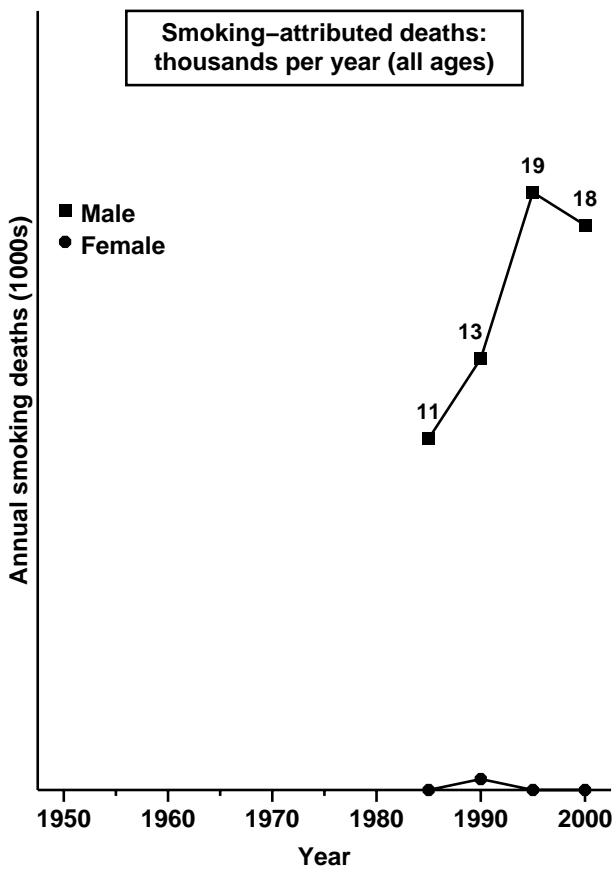
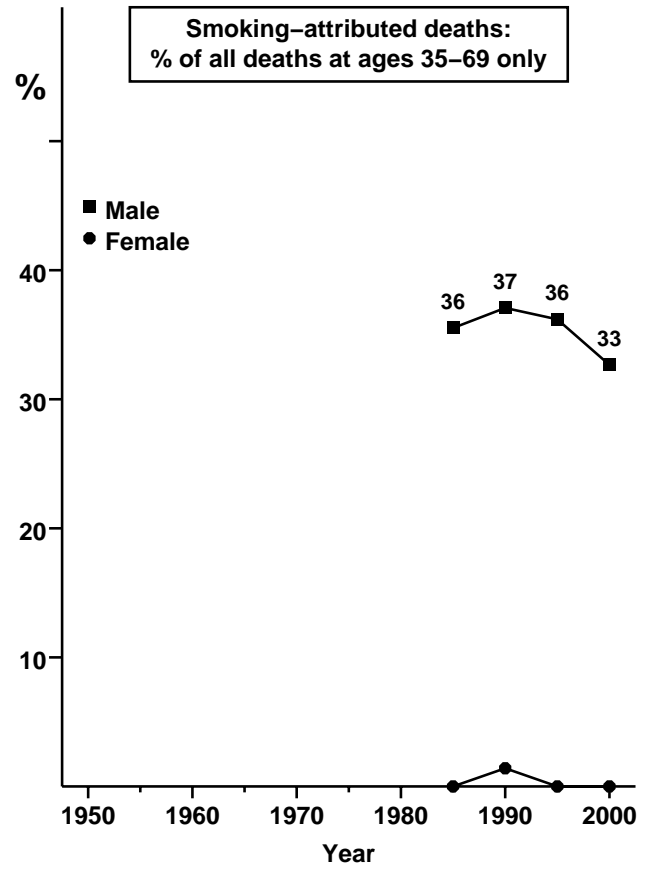
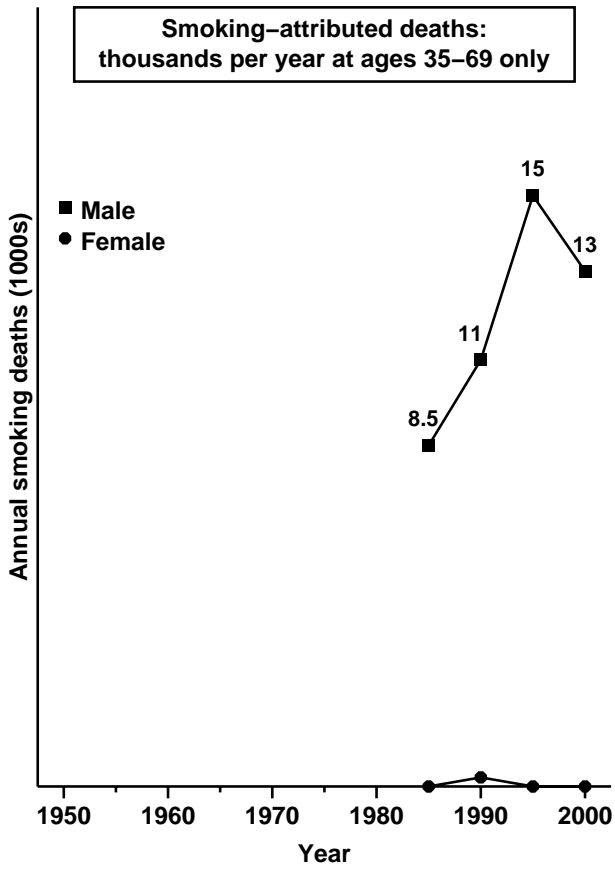
20-year total* (thousands), mid-1980 to mid-2000: 294 / 2395

1980-2000 by age & sex:

-/114	231/643 (36%)	63/440 (14%)	294/1197	-/46	0.0/337 (0%)	0.0/814 (0%)	0.0/1198
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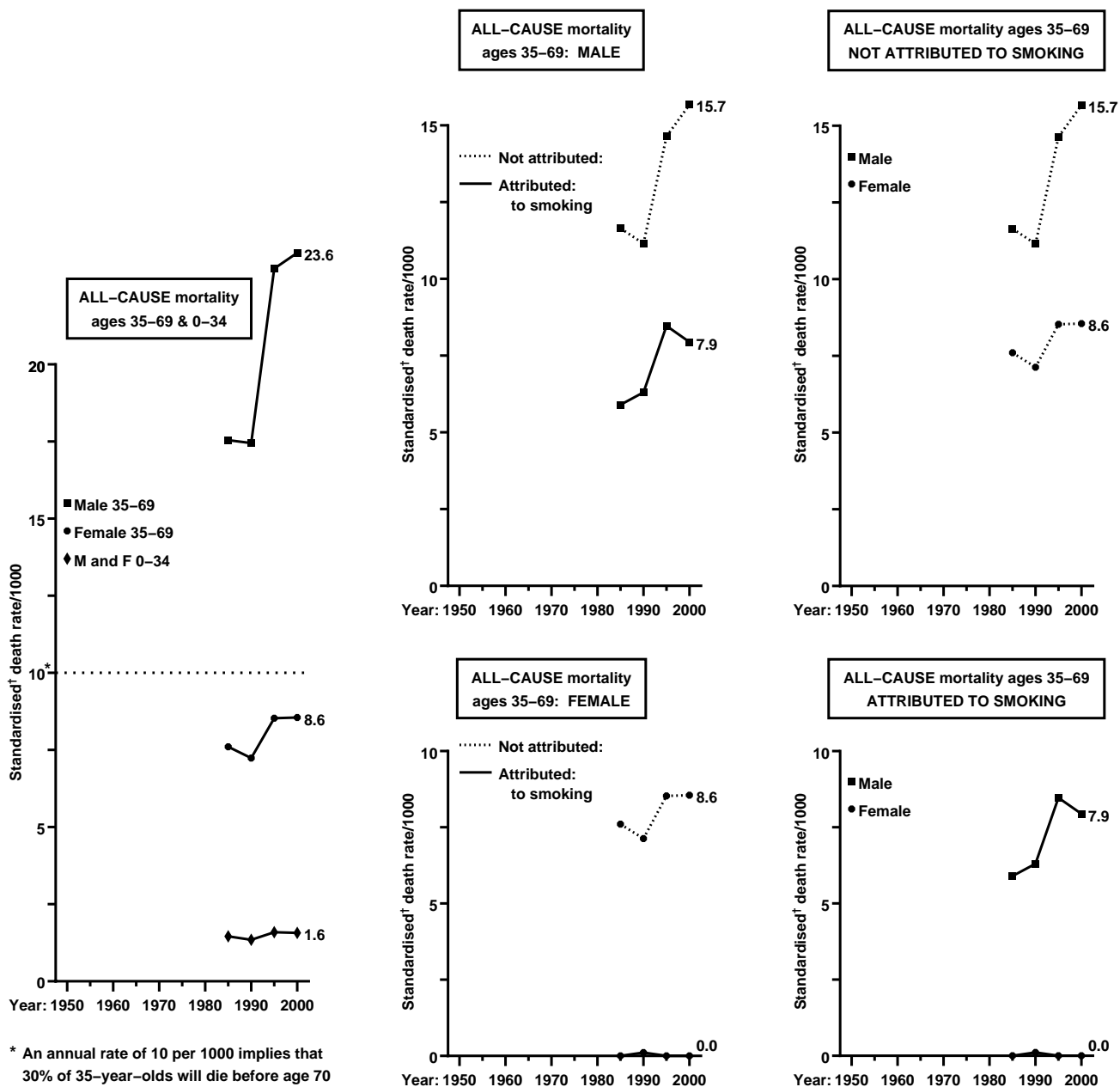
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: BELARUS



BELARUS: 1985-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking

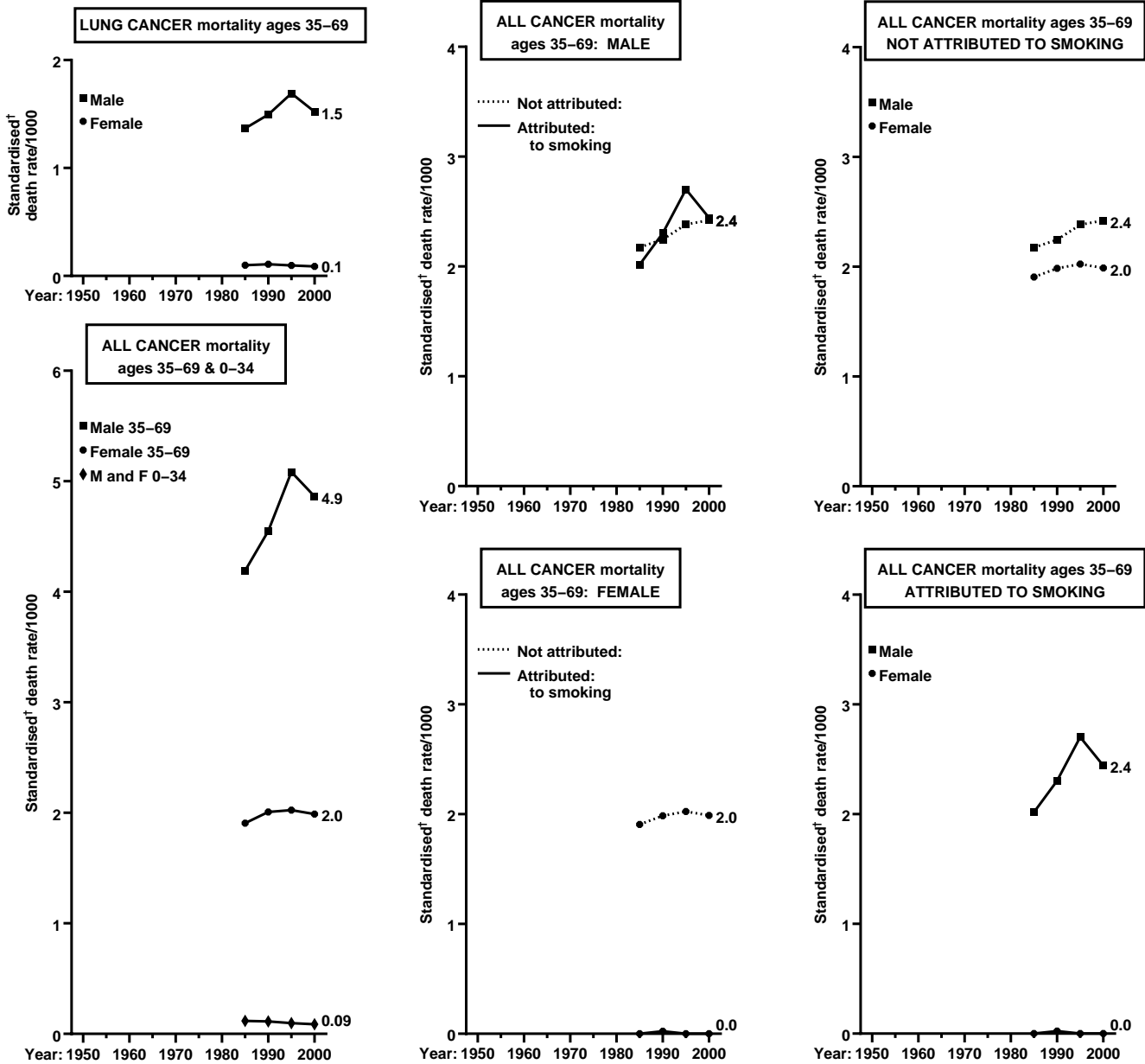


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950			
1955			
1960			
1965			
1970			
1975			
1980			
1985	-	1.97	5.90	11.6	10.4	67.1	-	0.94	0.00	7.60	0.00	46.6				
1990	-	1.92	6.30	11.1	14.2	59.9	-	0.77	0.11	7.13	0.40	44.8				
1995	-	2.31	8.47	14.6	17.1	71.3	-	0.86	0.00	8.53	0.00	51.0				
2000	-	2.29	7.94	15.7	15.8	66.3	-	0.84	0.00	8.55	0.00	48.4				

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

1985-2000: BELARUS

ALL CANCER mortality rates attributed and not attributed to smoking



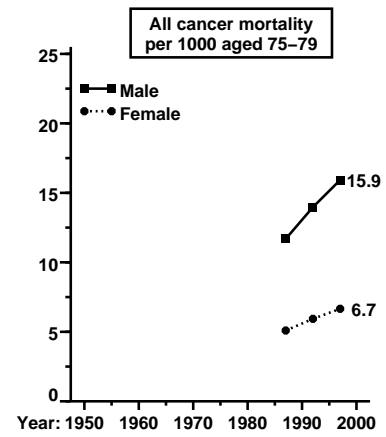
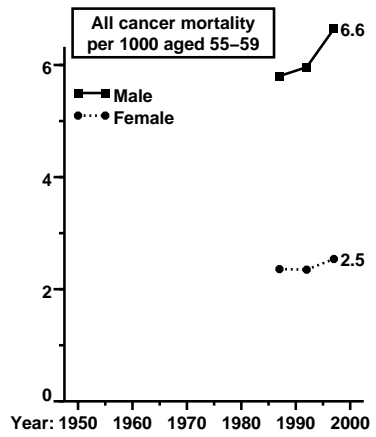
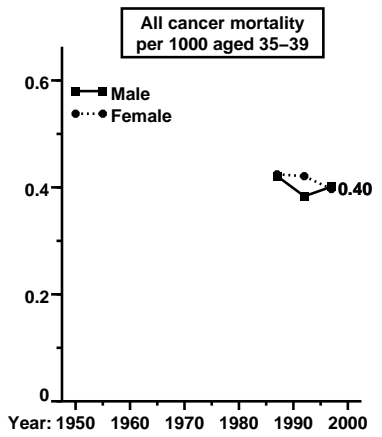
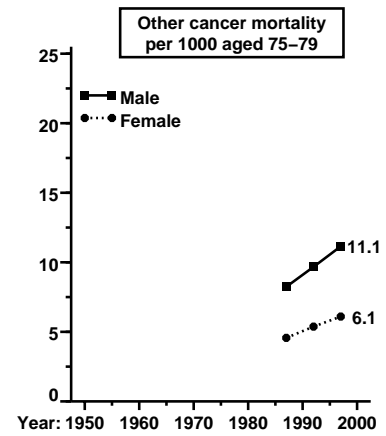
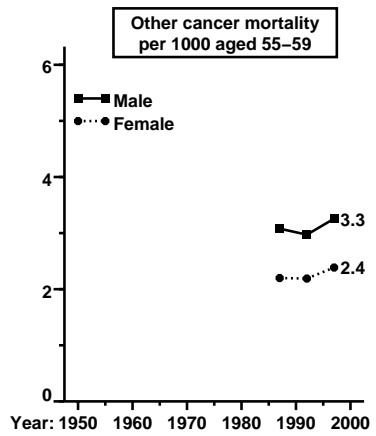
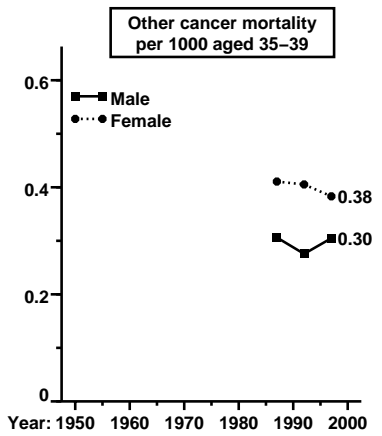
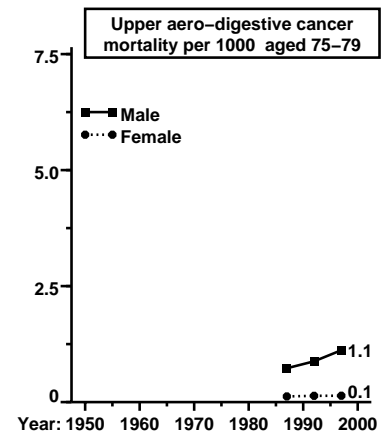
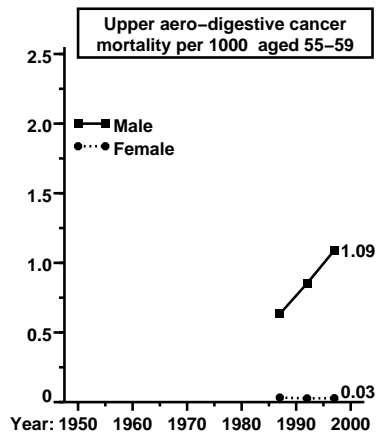
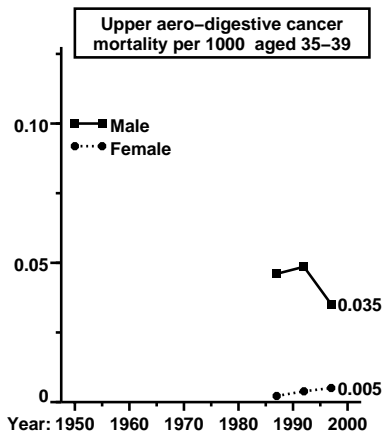
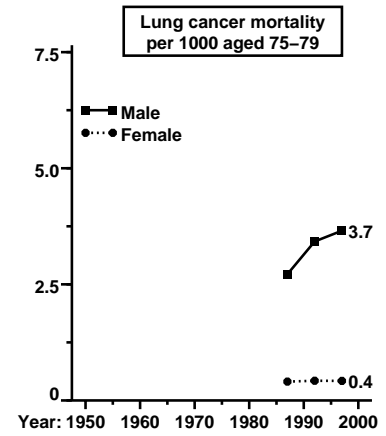
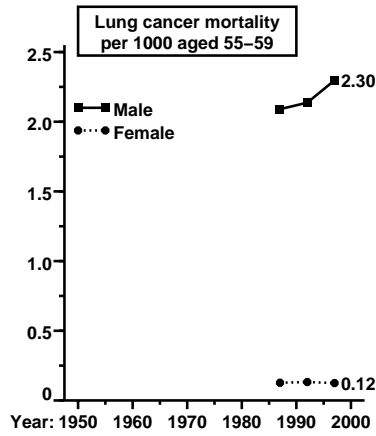
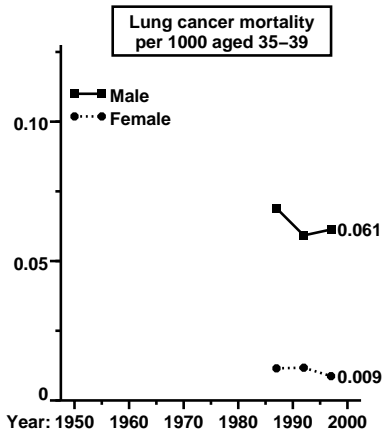
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950			
1955			
1960			
1965			
1970			
1975			
1980			
1985	-	0.12	2.02	2.17	3.07	7.79	-	0.11	0.00	1.91	0.00	4.82				
1990	-	0.12	2.30	2.25	4.65	8.90	-	0.10	0.02	1.98	0.06	5.76				
1995	-	0.09	2.70	2.38	5.33	9.85	-	0.10	0.00	2.02	0.00	6.50				
2000	-	0.09	2.44	2.42	5.07	9.49	-	0.08	0.00	1.99	0.00	5.60				

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

BELARUS: 1985-2000

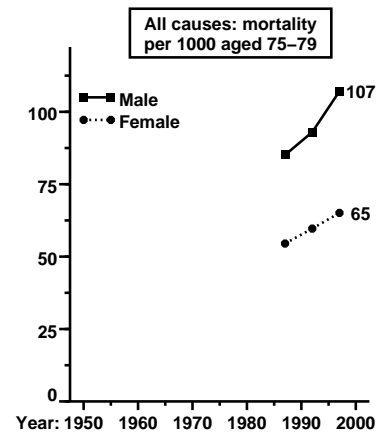
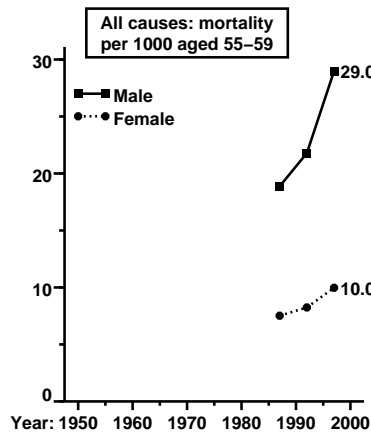
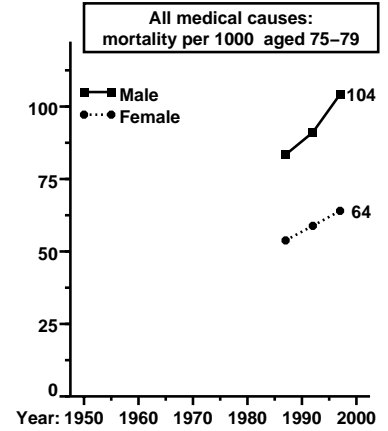
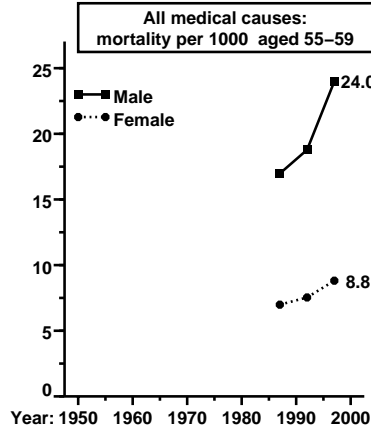
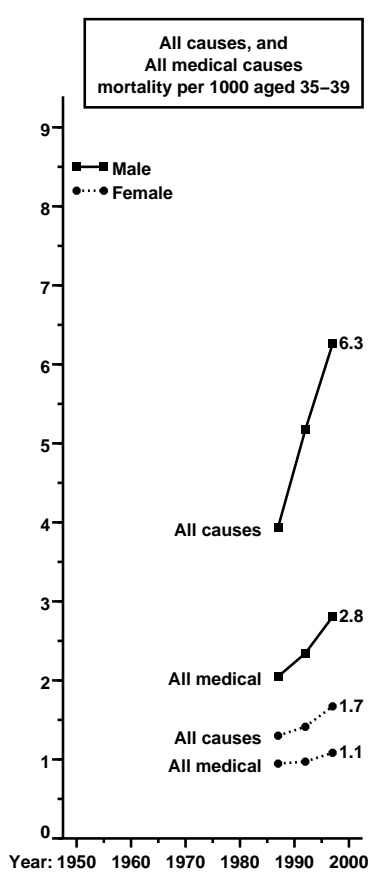
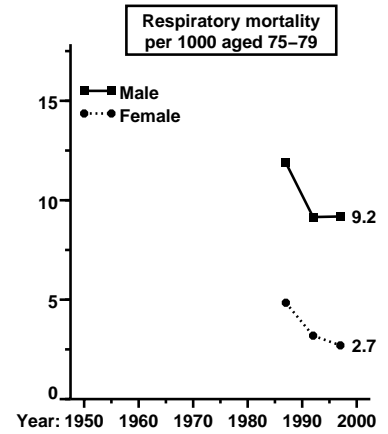
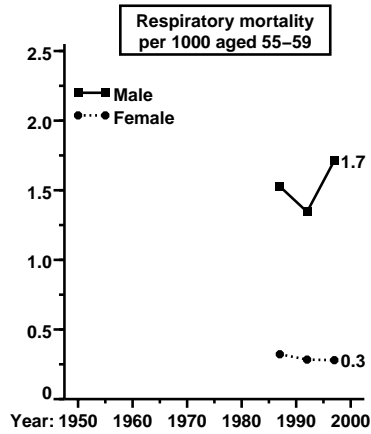
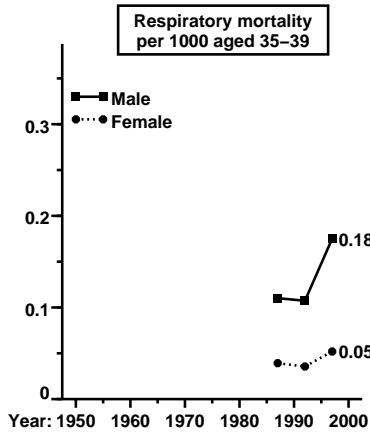
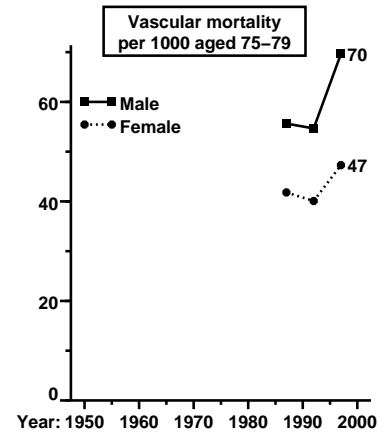
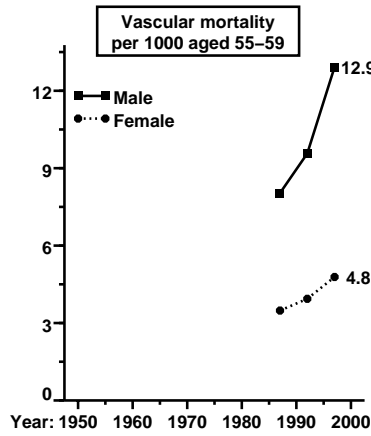
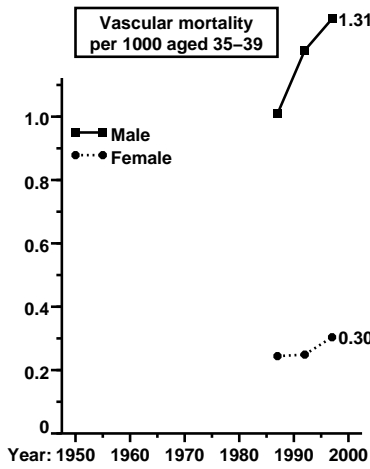
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1985–89,....,1995–99; year 2000 on pages 74–75

1985-2000: BELARUS

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



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 74-75