

MORTALITY FROM SMOKING IN DEVELOPED COUNTRIES 1950–2020

(see also www.deathsfromsmoking.net)

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BELARUS

Raw data (pages 62–63)

Analyses (pages 64–65, 66–67, 68–69)

Appendix (pages 70–71)

(revised September 2015)

BELARUS: 2010[‡]

[‡]2009 rates applied
to 2010 population

	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 70605	4130	36827	1673.8	172.6	2321.1	155.7	34.4	26.3	85.1	192.1	284.4	430.5
	F 65269	1372	15090	765.4	62.4	759.0	112.8	18.2	16.1	29.6	50.2	77.6	132.3
Tuberculosis	M 634	66	527	13.6	2.7	25.8	-	-	-	-	1.3	4.2	13.2
	F 132	15	84	2.2	0.6	3.7	-	-	-	-	0.8	1.3	2.0
Other infective and parasitic	M 288	119	157	6.3	5.2	7.4	8.0	0.9	0.4	0.3	1.3	6.3	19.1
	F 122	57	52	2.5	2.6	2.2	6.5	-	-	-	2.1	3.0	6.4
ALL CANCER	M 10651	143	6586	254.2	6.2	440.4	6.1	1.8	3.0	6.4	6.6	7.6	12.0
	F 7351	154	3574	104.9	6.7	174.4	4.0	2.8	2.2	3.4	5.3	8.3	21.0
Mouth and pharynx cancer	M 645	3	538	14.7	0.1	31.5	-	-	-	0.6	-	-	0.3
Oesophagus cancer	M 63	3	36	0.9	0.1	1.6	-	-	-	0.3	0.5	-	-
	F 358	-	263	8.3	-	16.5	-	-	-	-	-	-	-
	F 35	1	13	0.5	0.0	0.7	-	-	-	-	-	-	0.3
Stomach cancer	M 1393	9	827	33.4	0.4	56.1	-	-	-	-	0.2	0.8	1.5
	F 964	23	390	13.2	0.9	19.7	-	-	0.5	-	0.3	2.4	3.5
Colorectal cancer	M 1030	1	533	25.2	0.1	39.2	-	-	-	0.3	-	-	-
	F 168	1	64	2.2	0.0	3.3	-	-	-	-	0.3	-	-
Liver cancer	M 223	7	145	5.3	0.3	9.4	0.8	-	-	0.6	-	0.3	0.6
	F 167	1	63	2.2	0.0	3.3	-	-	-	-	0.3	-	-
Pancreas cancer	M 441	-	303	10.5	-	19.8	-	-	-	-	-	-	-
	F 346	-	126	4.5	-	6.8	-	-	-	-	-	-	-
Larynx cancer	M 328	-	260	7.8	-	16.8	-	-	-	-	-	-	-
	F 8	-	6	0.1	-	0.3	-	-	-	-	-	-	-
Lung cancer	M 2826	3	1869	67.8	0.1	128.3	-	-	-	-	-	0.3	0.6
	F 360	1	167	5.0	0.0	8.3	-	-	-	-	-	-	0.3
Malignant melanoma	M 106	4	74	2.5	0.2	4.9	-	-	-	-	-	0.2	0.3
	F 122	11	64	1.9	0.5	3.0	-	-	-	-	-	0.8	2.3
Female breast cancer	F 1203	10	778	18.6	0.4	36.8	-	-	-	-	-	0.8	2.0
Cervix cancer	F 316	14	219	5.1	0.6	9.4	-	-	-	0.3	-	1.1	2.6
Other uterine cancer	F 343	1	193	5.1	0.0	9.7	-	-	-	-	-	0.3	-
Ovarian cancer	F 432	3	266	6.6	0.1	12.4	-	-	-	-	0.3	-	0.6
Prostate cancer	M 814	-	282	20.2	-	22.7	-	-	-	-	-	-	-
Bladder cancer	M 309	-	119	7.6	-	9.0	-	-	-	-	-	-	-
	F 70	-	18	0.8	-	1.0	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M 1572	78	1046	36.6	3.4	64.8	3.4	1.8	1.7	2.9	3.8	4.2	6.2
	F 2171	59	934	30.1	2.7	46.2	2.8	1.4	1.8	2.7	1.9	2.1	6.4
Hodgkin's disease	M ...	...	...	...	...	...	...	...	...	...	...	...	...
	F ...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and non- Hodgkin lymphomas	M 242	10	139	5.6	0.5	8.5	0.4	-	0.8	1.0	0.5	-	0.6
	F 268	5	116	3.7	0.2	5.9	-	-	-	-	0.5	-	0.9
Leukaemia	M 363	26	190	8.7	1.1	13.0	1.5	-	0.4	1.0	1.8	1.6	1.5
	F 310	21	122	4.4	1.0	6.1	1.2	1.4	-	0.3	1.3	0.8	1.8
Diabetes	M 144	7	92	3.4	0.3	5.9	-	-	-	-	-	0.8	1.2
	F 198	5	100	2.9	0.2	5.2	-	-	-	-	-	0.3	1.2
ALL VASCULAR DISEASE	M 35703	394	16284	863.6	16.1	1114.0	2.7	1.3	0.4	3.2	9.1	25.9	69.8
	F 37648	110	6798	420.6	4.6	369.6	2.0	0.5	0.5	1.0	1.9	11.3	14.9
Rheumatic heart disease and fever	M 176	3	144	4.1	0.1	8.9	-	-	-	-	-	0.5	0.3
Hypertensive disease	M 230	-	139	3.5	-	7.3	-	-	-	-	-	-	-
	F 330	7	217	7.8	0.3	13.7	-	-	-	-	0.2	0.5	1.2
	F 285	-	128	3.9	-	6.6	-	-	-	-	-	-	-
Ischaemic heart disease	M 25495	148	11163	618.8	6.0	771.6	-	-	-	0.3	1.8	8.1	31.9
	F 25472	21	3974	278.2	0.8	222.1	-	-	-	-	-	2.7	3.2
Pulmonary embolism and other venous	M ...	...	...	...	...	...	...	...	...	...	...	...	...
	F ...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M 7401	46	3323	179.7	1.9	232.9	0.4	-	-	0.3	1.0	3.1	8.2
	F 10259	30	2012	116.2	1.2	108.3	0.8	-	-	0.3	0.3	3.0	4.4
Other vascular disease, incl. venous	M 2300	190	1436	53.3	7.8	86.9	2.3	1.3	0.4	2.9	6.1	13.6	27.8
	F 1399	58	544	18.8	2.4	25.3	1.2	0.5	0.5	0.7	1.6	5.4	7.3
Chronic obstructive pulmonary disease	M 1898	8	652	46.6	0.3	50.1	-	-	-	-	0.2	0.8	1.2
	F 623	3	121	7.1	0.1	6.5	-	-	-	-	0.3	0.3	0.3
Other respiratory disease	M 1128	126	891	24.8	5.2	47.1	4.6	0.4	0.4	0.3	3.8	10.2	16.7
	F 475	92	317	8.5	3.9	13.2	2.8	0.5	0.9	1.0	3.5	9.7	8.7
Peptic ulcer	M 189	5	145	4.3	0.2	8.2	-	-	-	-	-	-	1.5
	F 99	2	41	1.3	0.1	2.1	-	-	-	-	-	-	0.6
Liver cirrhosis & other liver disease	M 1789	125	1475	40.2	5.0	83.9	0.8	-	-	-	2.5	9.9	22.0
	F 1243	60	1017	21.3	2.4	45.1	-	-	-	-	0.8	4.3	11.9
Renal disease	M ...	...	...	...	...	...	...	...	...	...	...	...	...
	F ...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F 1	1	-	0.0	0.0	-	-	-	-	-	-	0.3	-
Ill-defined causes	M 306	265	39	8.7	14.1	1.9	86.6	2.2	1.7	1.9	1.5	1.8	2.9
	F 221	187	29	6.3	10.4	1.2	62.7	1.9	0.9	1.7	2.1	1.3	2.3
	M 4011	111	774	103.3	4.8	46.2	8.4	0.9	0.4	1.6	4.3	5.0	13.2
	F 11674	48	241	102.8	2.3	11.8	6.9	-	-	1.0	1.3	1.1	5.5
Other medical causes	M 2969	294	1691	68.8	12.8	100.1	16.0	5.7	5.5	5.1	11.4	20.6	25.2
	F 2473	128	917	33.9	6.1	44.5	14.2	3.3	1.4	3.1	3.5	7.5	9.6
ALL NON- MEDICAL CAUSES	M 10898	2470	7515	236.0	99.9	390.4	22.5	21.2	14.4	66.2	150.6	191.3	233.0
	F 3007	507	1802	51.2	22.3	79.8	12.9	9.3	10.8	18.3	28.8	28.5	47.5
Road traffic accidents	M ...	...	...	...	...	...	...	...	...	...	...	...	...
	F ...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M 393	46	295	8.9	1.9	16.7	1.1	0.4	0.4	0.6	1.5	2.9	6.5
	F 129	10	61	1.9	0.5	2.9	-	0.5	0.5	0.3	0.8	-	1.2
Suicide	M 2238	725	1270	47.6	28.6	64.2	-	-	3.8	21.1	50.1	57.5	68.0
	F 504	121	262	8.6	5.0	11.6	-	-	1.4	6.1	6.9	9.1	11.7
POPULATION: (1000s; UN, 2015 revision)	M=male	4413.7	2155.9	1958.6	262.1	226.6	235.7	312.6	395.0	382.6	341.2		
	F=female	5078.4	2069.2	2305.8	247.3	214.6	222.9	294.4	374.5	372.3	343.2		

2010‡: BELARUS

[‡]2009 rates applied to 2010 population

9th ICD/10th ICD categories

BELARUS: 2010[‡][‡]2010 mortality involves 2009 rates applied to 2010 population**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	– / 4.1	– / 1.3	–
35–69	13 / 37	0.0 / 15	20 years
70+	5.8 / 30	0.0 / 48	8 years
All ages	19 / 71	0.0 / 64	16 years

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

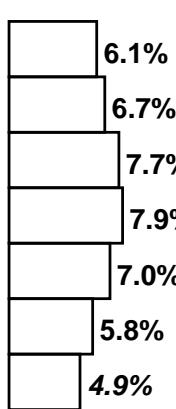
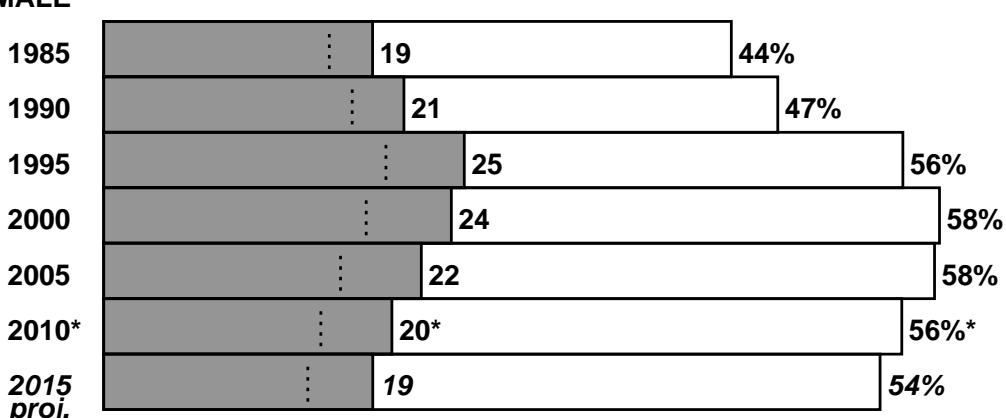
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.7/1.8	0.9/1.0	2.6/2.8	–/0.0	0.0/0.2	0.0/0.2	0.0/0.4
All Cancer	–/0.2	3.0/6.5 (47%)	1.3/4.0 (32%)	4.3/11	–/0.1	0.0/3.6 (0%)	0.0/3.6 (0%)	0.0/7.4
Vascular	–/0.4	7.9/16	3.4/19	11/35	–/0.1	0.0/6.8	0.0/29	0.0/36
Respiratory	–/0.1	1.0/1.5	0.8/1.3	1.8/2.9	–/0.1	0.0/0.3	0.0/0.5	0.0/0.9
All Other	–/3.4	1.3/13	0.4/5.6	1.6/22	–/1.0	0.0/4.3	0.0/14	0.0/20
All Causes	–/4.1	13/37 (36%)	5.8/30 (20%)	19/71	–/1.3	0.0/15 (0%)	0.0/48 (0%)	0.0/64

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

Cause	Male	Female	Male + Female
All Cancer	4.3 / 11 (41%)	0.0 / 7.4 (0%)	4.3 / 18 (24%)
All Causes	19 / 71 (27%)	0.0 / 64 (0%)	19 / 135 (14%)

1985-2015[‡]: BELARUS

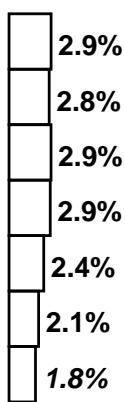
[‡]2010 mortality involves 2009 rates applied to 2010 population
and 2005 mortality involves average of 2003 & 2007 rates applied to 2005 population

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, 56 would die before age 70 (with 20 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

Note: For smoking-attributed mortality (pages 62–69), the long-term average is more trustworthy and relevant than implausibly rapid short-term fluctuations.

FEMALE

Real risk too low to estimate reliably

BELARUS: 1980-2015[‡]

[‡]2010 mortality involves 2009 rates applied to 2010 population
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Relative importance of deaths in MIDDLE age (35–69), 2015 projections

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 3.6	– / 1.2	–
35–69	13 / 39	0.0 / 15	19 years
70+	4.8 / 29	0.0 / 48	7 years
All ages	18 / 72	0.0 / 65	16 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	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1985	–/5.1	10/23 (44%)	3.3/20 (17%)	13/48	–/2.4	0.3/14	0.6/36	0.9/53
1995	–/5.8	17/39 (44%)	4.7/22 (21%)	22/67	–/2.0	0.4/19	0.8/44	1.2/65
2005	–/4.9	15/40 (37%)	6.5/29 (23%)	21/74	–/1.5	0.0/17	0.0/47	0.0/66
2015 proj.	–/3.6	13/39 (35%)	4.8/29 (16%)	18/72	–/1.2	0.0/15	0.0/48	0.0/65

40-year total (thousands), decade of 1980s to decade of 2010s (1980–2020^{*}): 774 / 5090

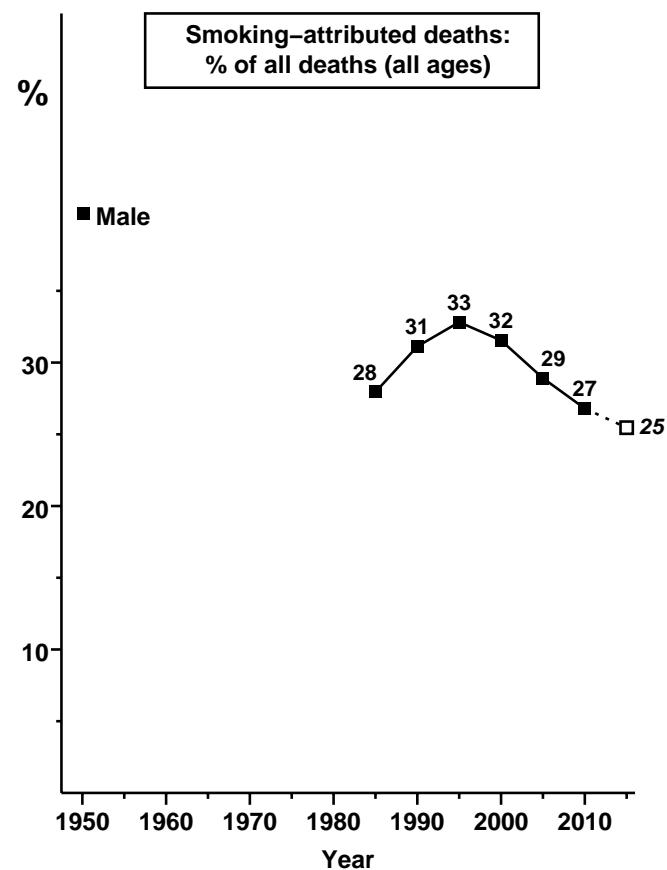
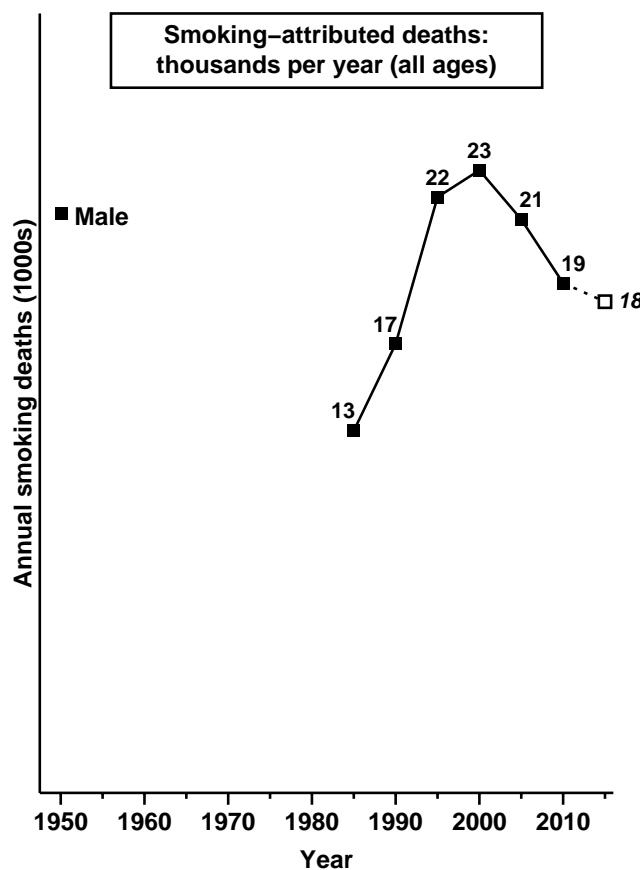
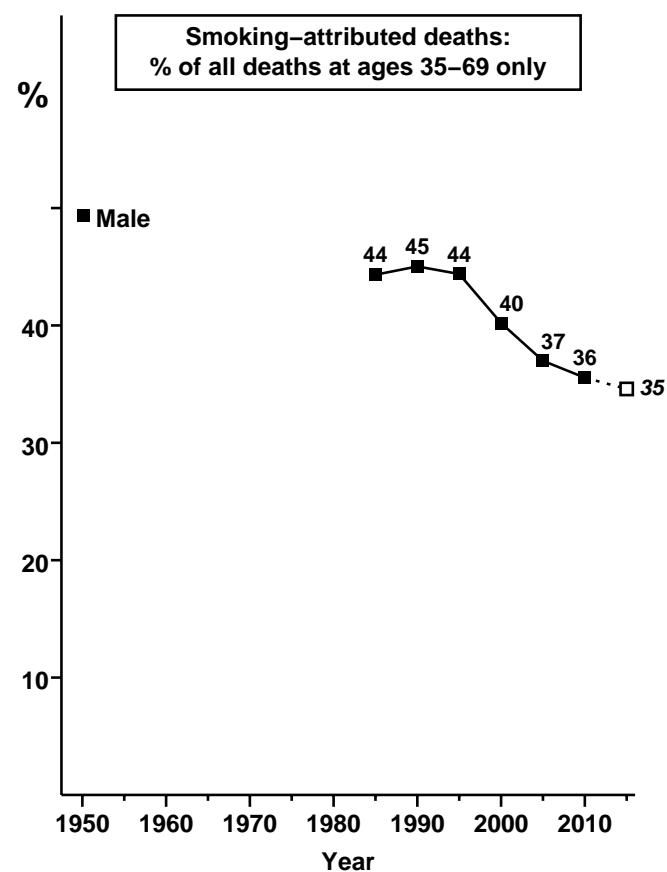
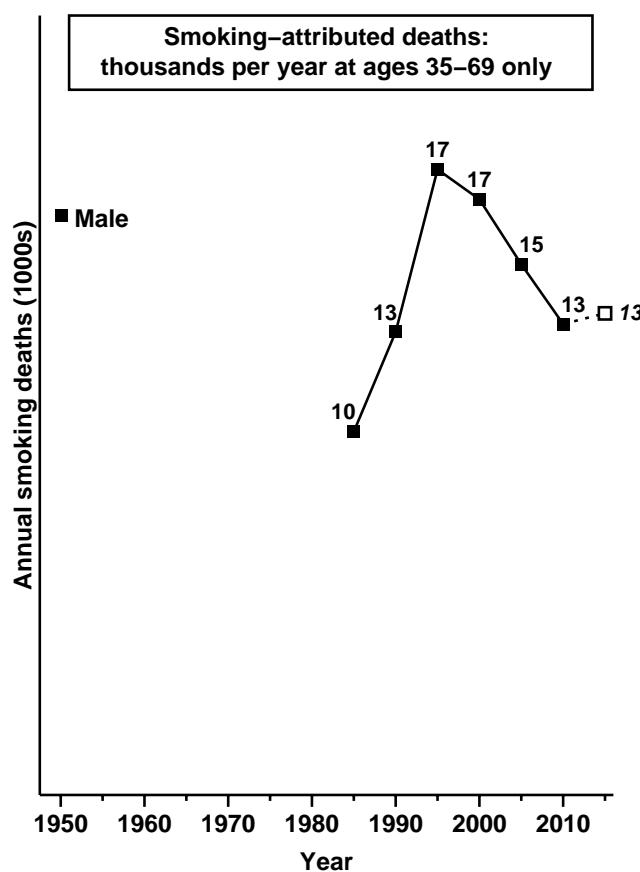
^{*}Estimated as 10 times the sum of the annual numbers for 1985, 1995, 2005 and 2015

1980–2020, by age & sex:

–/193	558/1410 (40%)	194/1008 (19%)	752/2612	–/71	7.2/657 (1%)	14/1750 (0.8%)	21/2478
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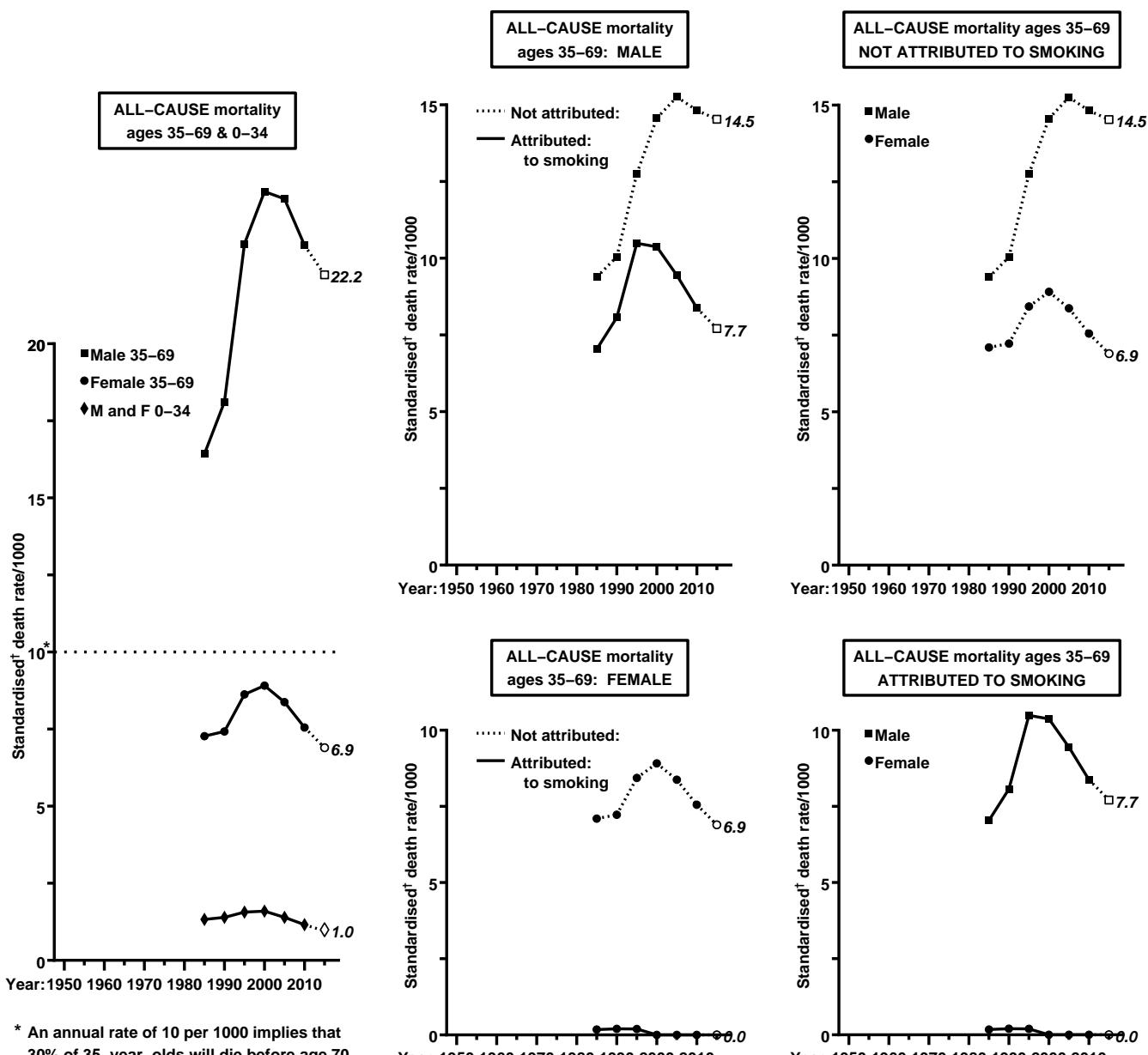
1985-2015[‡]: BELARUS

[‡]2010 mortality involves 2009 rates applied to 2010 population
and 2005 mortality involves average of 2003 & 2007 rates applied to 2005 population



BELARUS: 1985-2015[‡]

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ALL-CAUSE mortality rates attributed and not attributed to smoking

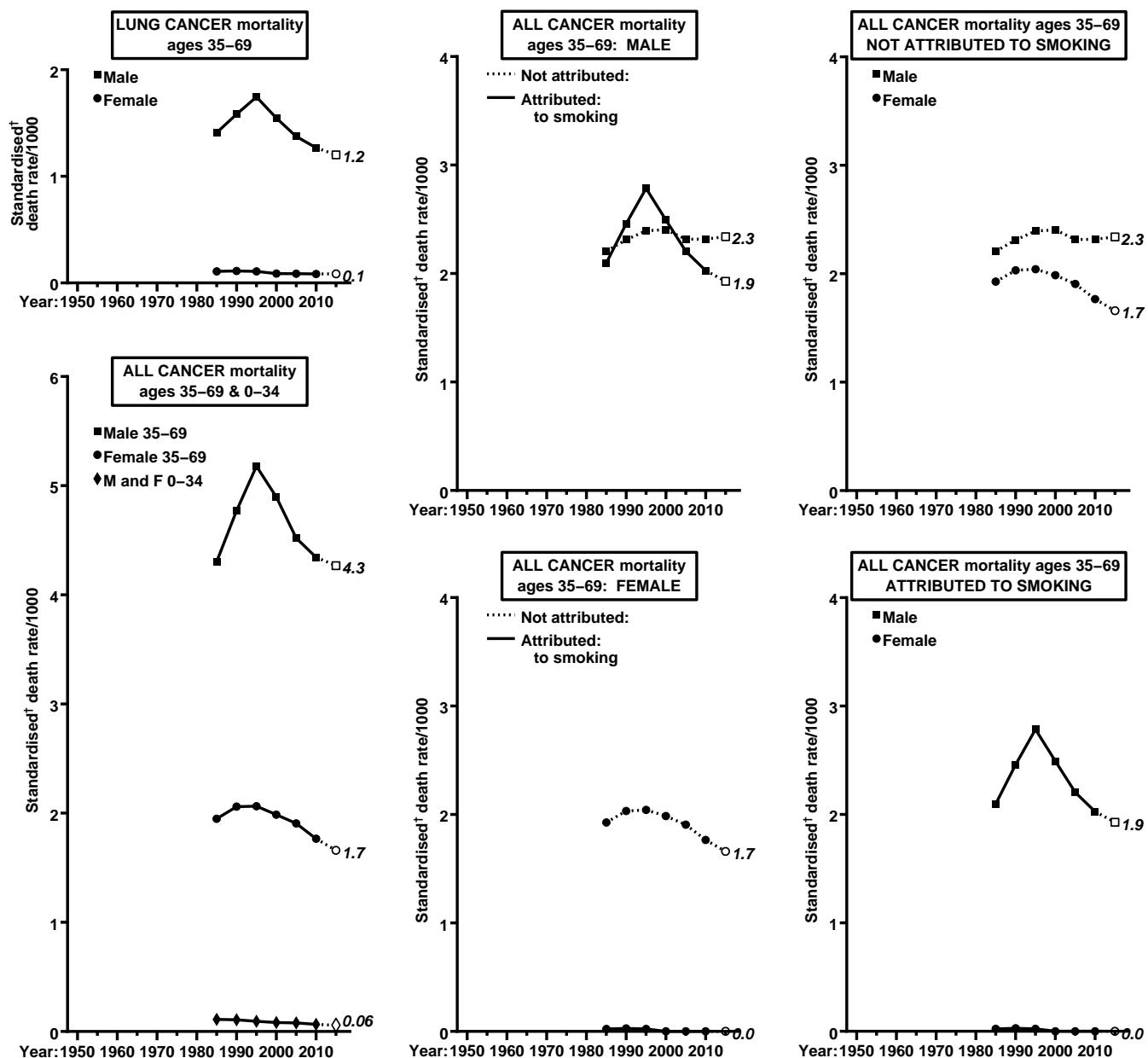
Year	Attributed to smoking?	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
		0–34		35–69		70–79		0–34		35–69		70–79	
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	
1955	
1960	
1965	
1970	
1975	
1980	
1985	-	1.80	7.04	9.39	14.0	59.2	-	0.85	0.17	7.10	1.05	44.4	
1990	-	1.97	8.07	10.0	17.3	56.1	-	0.81	0.20	7.22	1.04	44.6	
1995	-	2.27	10.5	12.8	20.4	63.9	-	0.85	0.19	8.43	1.14	49.9	
2000	-	2.35	10.4	14.6	23.0	64.7	-	0.83	0.00	8.91	0.00	51.0	
2005	-	2.08	9.44	15.3	22.1	66.5	-	0.70	0.00	8.37	0.00	47.6	
2010	-	1.71	8.37	14.8	18.7	66.4	-	0.59	0.00	7.55	0.00	43.4	
2015	-	1.45	7.71	14.5	16.2	66.3	-	0.53	0.00	6.89	0.00	39.5	

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

1985-2015[‡]: BELARUS

[‡]2010 mortality involves 2009 rates applied to 2010 population
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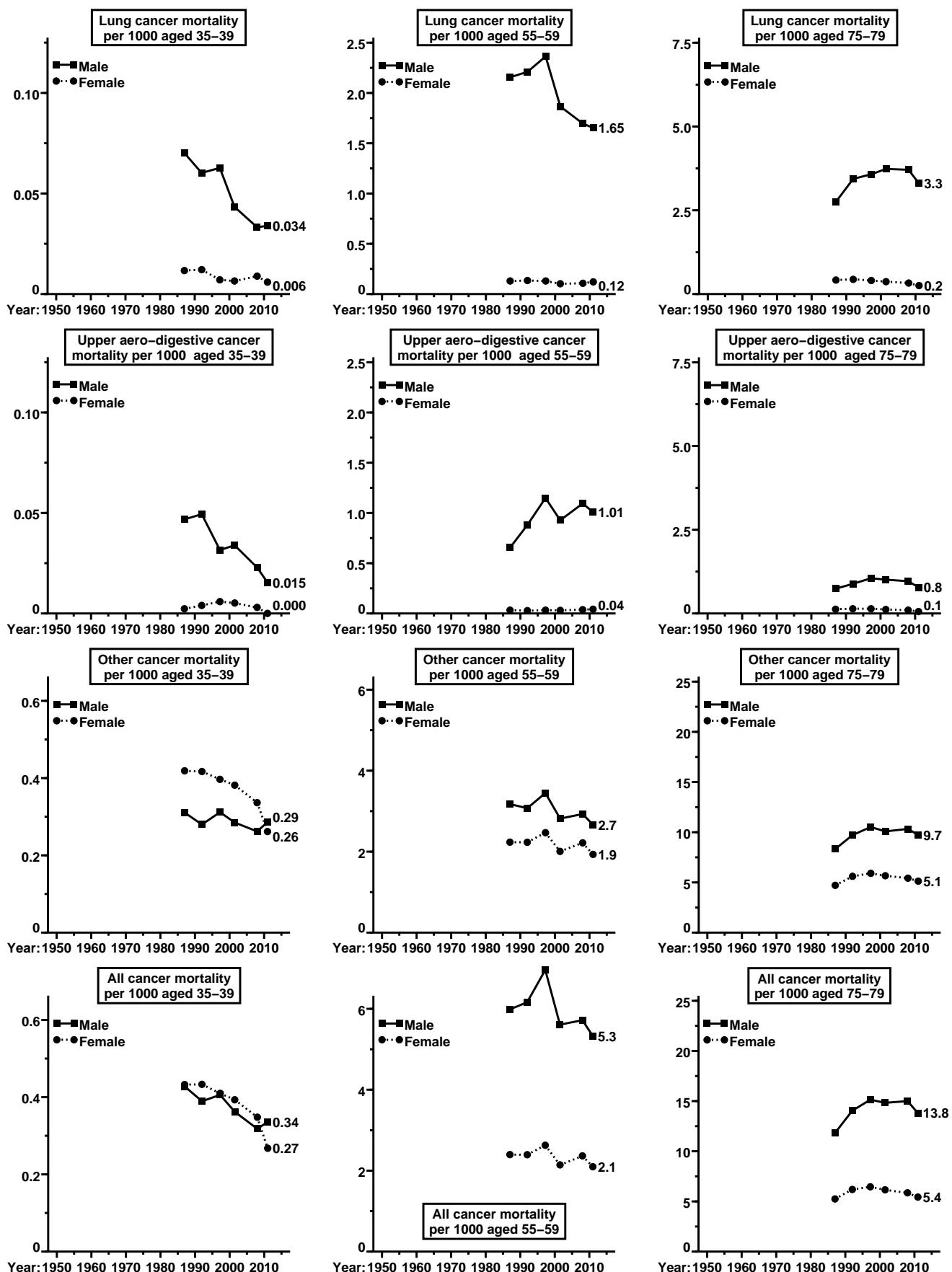
ALL CANCER mortality rates attributed and not attributed to smoking



[†] 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
1950
1955
1960
1965
1970
1975
1980
1985	–	0.11	2.10	2.21	3.22	7.76	–	0.11	0.02	1.93	0.11	4.91
1990	–	0.11	2.46	2.31	4.56	8.75	–	0.10	0.03	2.03	0.12	5.61
1995	–	0.10	2.78	2.39	4.95	9.42	–	0.09	0.02	2.04	0.13	5.94
2000	–	0.08	2.49	2.40	5.44	9.46	–	0.08	0.00	1.99	0.00	5.99
2005	–	0.08	2.20	2.31	5.22	9.19	–	0.07	0.00	1.91	0.00	5.23
2010	–	0.06	2.03	2.32	4.61	9.08	–	0.06	0.00	1.77	0.00	5.27
2015	–	0.05	1.93	2.34	4.15	8.96	–	0.06	0.00	1.66	0.00	5.30

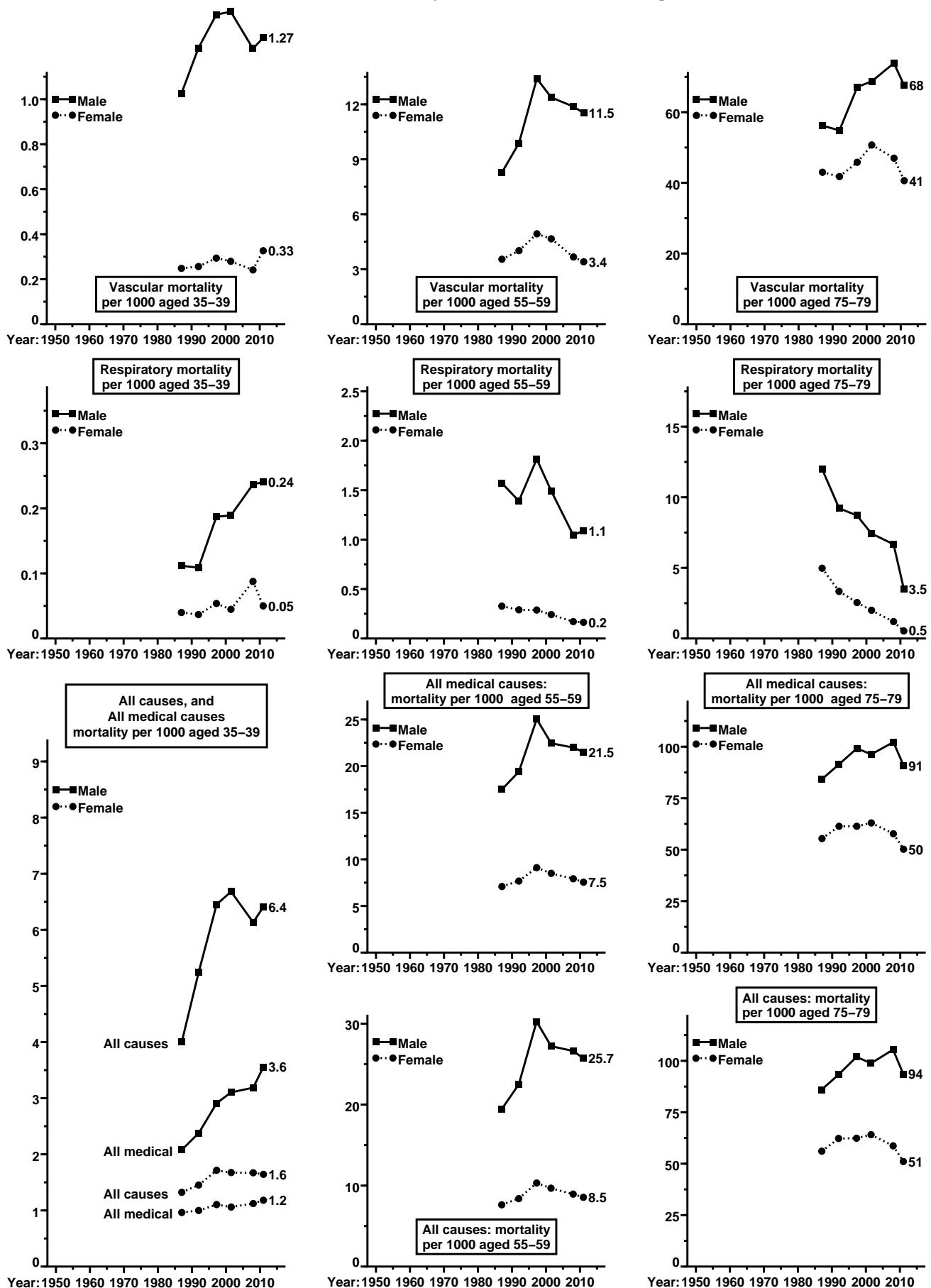
0–34 and 35–69 = means of 7 age-specific rates; 70–79 = mean of 2 rates (70–74 & 75–79)

BELARUS: 1985-2011**Mortality* trends at selected ages: 35-39, 55-59 & 75-79**

* Annual mortality per 1000: averages of years available in 1985-89,...,2005-09; then year 2011 separately

1985-2011: BELARUS

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



* Annual mortality per 1000: averages of years available in 1985-89,...,2005-09; then year 2011 separately