

# **MORTALITY FROM SMOKING IN DEVELOPED COUNTRIES 1950–2020**

**(see also [www.deathsfromsmoking.net](http://www.deathsfromsmoking.net))**

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## **Russian Federation**

**Raw data** (pages 394–95)

**Analyses** (pages 396–97, 398–99, 400–401)

**Appendix** (pages 402–3)

**(revised September 2015)**





**RUSSIAN FEDERATION: 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	– / 98	– / 35	–
35–69	204 / 558	9.9 / 254	21 years
70+	84 / 390	15 / 675	8 years
All ages	288 / 1047	25 / 963	17 years

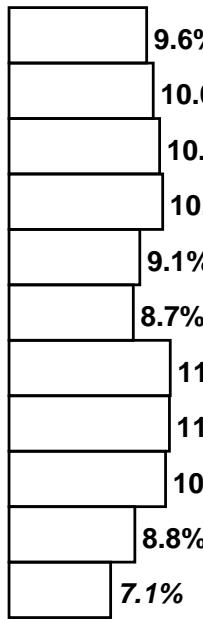
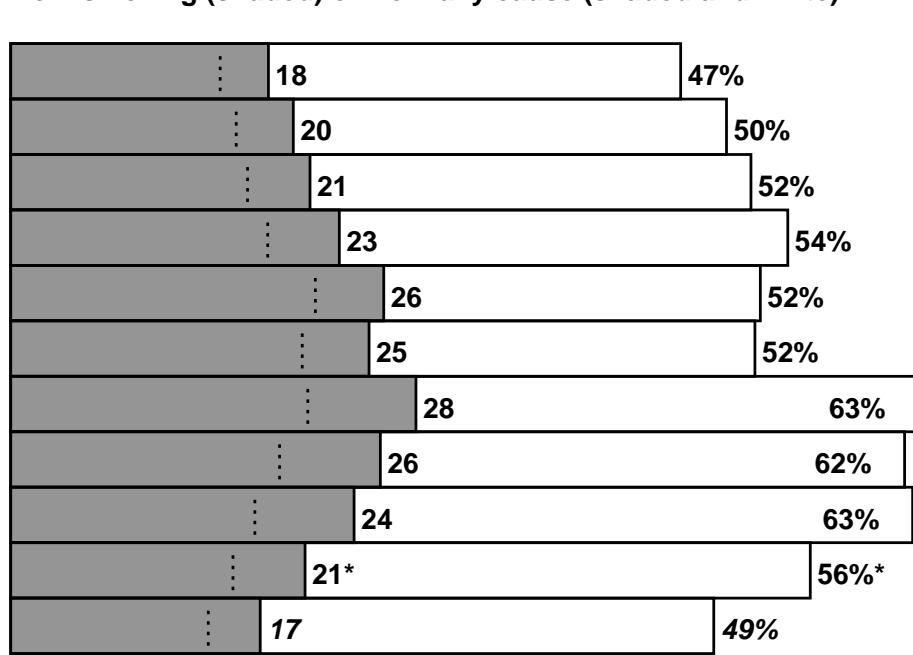
**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2010**

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	25/27	14/15	39/42	–/0.1	1.2/4.0	1.5/4.7	2.7/8.7
All Cancer	–/2.8	42/91 (46%)	20/61 (33%)	63/155	–/2.8	1.6/64 (2%)	1.9/67 (3%)	3.5/134
Vascular	–/10	120/244	49/260	169/513	–/3.3	6.7/111	11/510	17/624
Respiratory	–/4.0	18/30	11/20	29/54	–/2.0	0.8/8.0	1.7/13	2.5/23
All Other	–/81	24/193	3.2/50	27/324	–/26	0.9/71	0.7/85	1.6/182
All Causes	–/98	204/558 (37%)	84/390 (21%)	288/1047	–/35	9.9/254 (4%)	15/675 (2%)	25/963

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

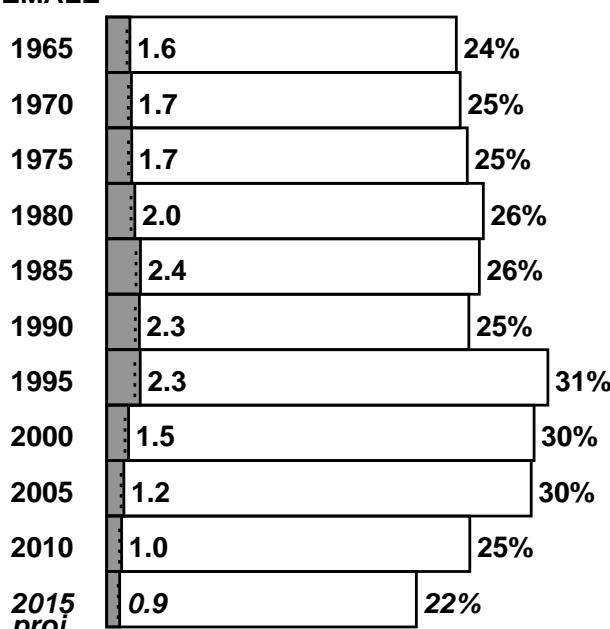
Cause	Male	Female	Male + Female
All Cancer	63 / 155 (40%)	3.5 / 134 (3%)	66 / 289 (23%)
All Causes	288 / 1047 (27%)	25 / 963 (3%)	313 / 2010 (16%)

## 1965-2015: RUSSIAN FEDERATION

**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 2010 male death rates, out of 100 men aged 35, 56 would die before age 70 (with 21 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**

**RUSSIAN FEDERATION: 1960-2015*****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	– / 80	– / 30	–
35–69	180 / 507	9.9 / 236	21 years
70+	68 / 370	12 / 652	8 years
All ages	248 / 957	22 / 918	17 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	–/109	83/223 <b>(37%)</b>	19/132 <b>(14%)</b>	102/464	–/58	12/182 <b>(6%)</b>	2.5/253 <b>(1%)</b>	14/493
1975	–/111	134/351 <b>(38%)</b>	37/178 <b>(21%)</b>	171/640	–/48	16/229 <b>(7%)</b>	12/380 <b>(3%)</b>	27/658
1985	–/113	205/401 <b>(51%)</b>	57/239 <b>(24%)</b>	262/753	–/48	21/236 <b>(9%)</b>	19/537 <b>(4%)</b>	40/821
1995	–/124	309/714 <b>(43%)</b>	70/286 <b>(24%)</b>	379/1124	–/42	25/335 <b>(7%)</b>	28/646 <b>(4%)</b>	53/1023
2005	–/119	259/700 <b>(37%)</b>	87/380 <b>(23%)</b>	347/1200	–/40	12/317 <b>(4%)</b>	19/685 <b>(3%)</b>	31/1041
2015 proj.	–/80	180/507 <b>(36%)</b>	68/370 <b>(18%)</b>	248/957	–/30	9.9/236 <b>(4%)</b>	12/652 <b>(2%)</b>	22/918

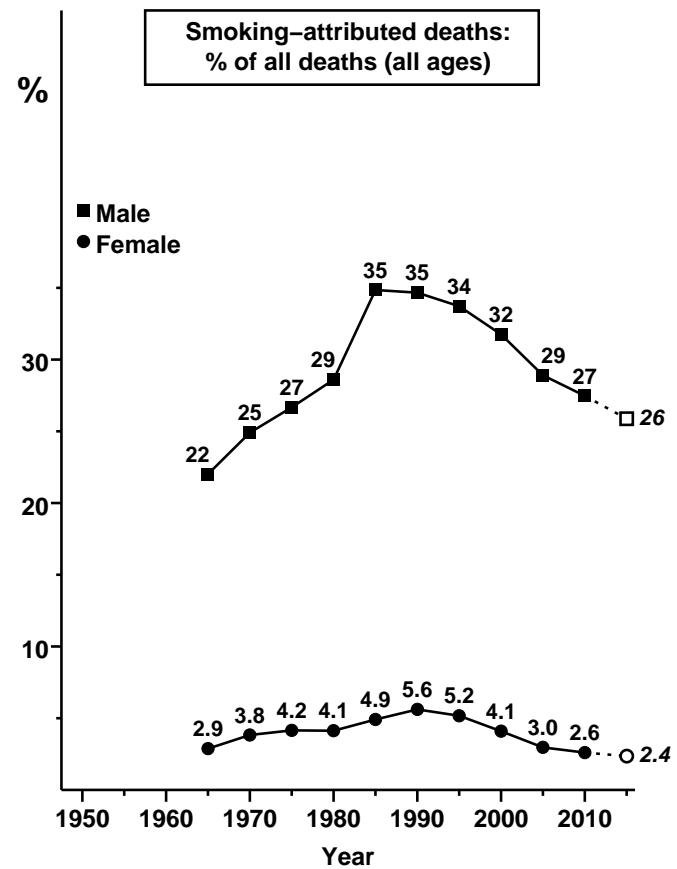
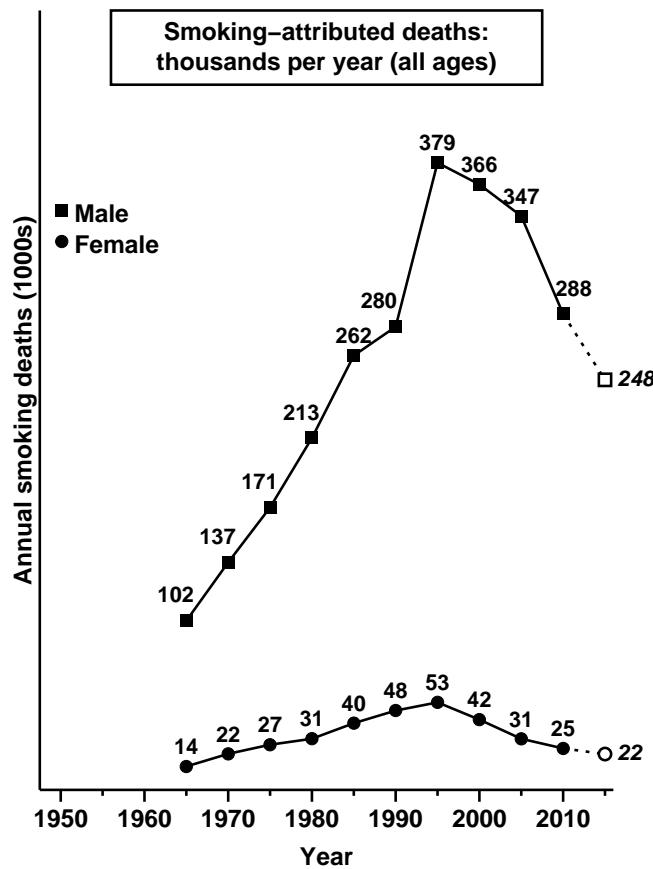
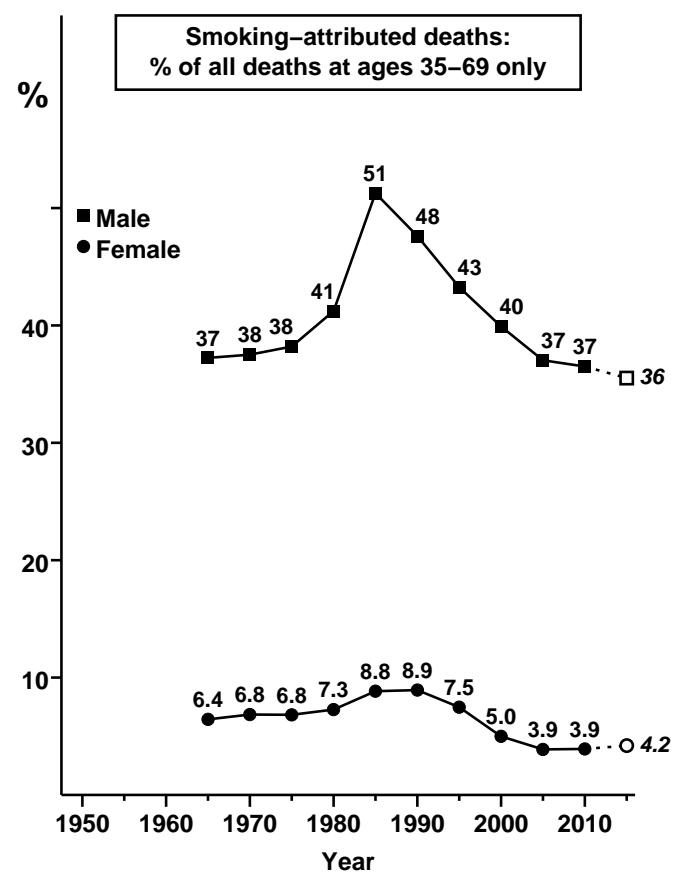
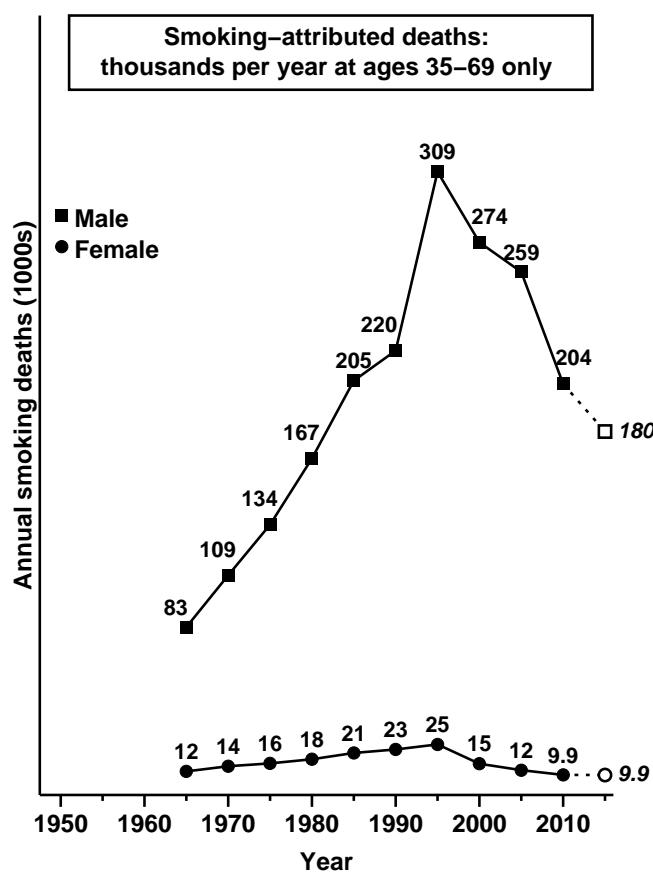
**60-year total (M=millions), decade of 1960s to decade of 2010s (1960–2020\*): 17 / 101M**

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

**1960–2020, by age & sex:**

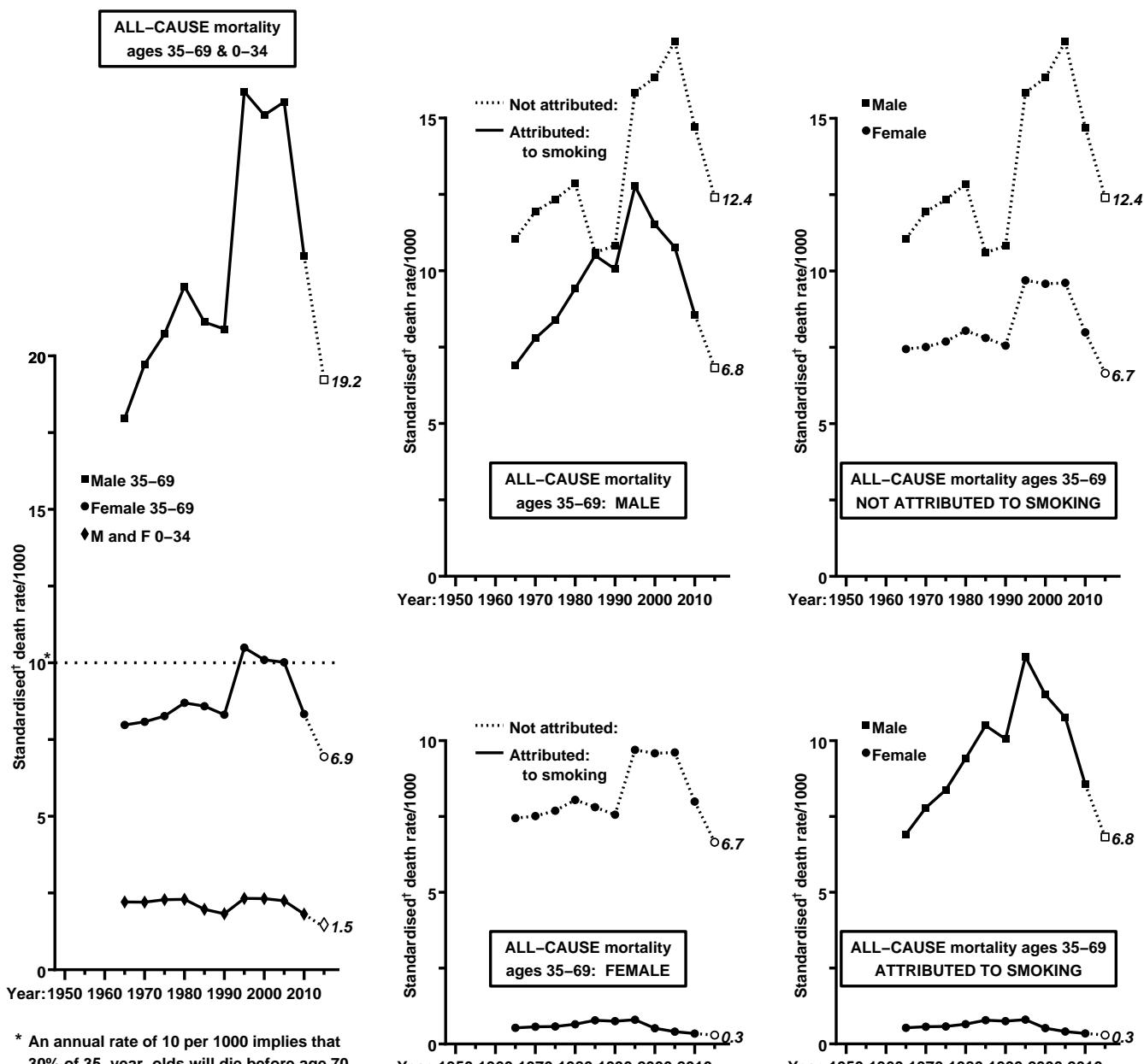
–/6.6M <b>(40%)</b>	12/29M <b>(21%)</b>	3.4/16M	15/51M	–/2.7M	1.0/15M <b>(6%)</b>	0.9/32M <b>(3%)</b>	1.9/50M
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## 1965-2015: RUSSIAN FEDERATION



## RUSSIAN FEDERATION: 1965-2015

## ALL-CAUSE mortality rates attributed and not attributed to smoking



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

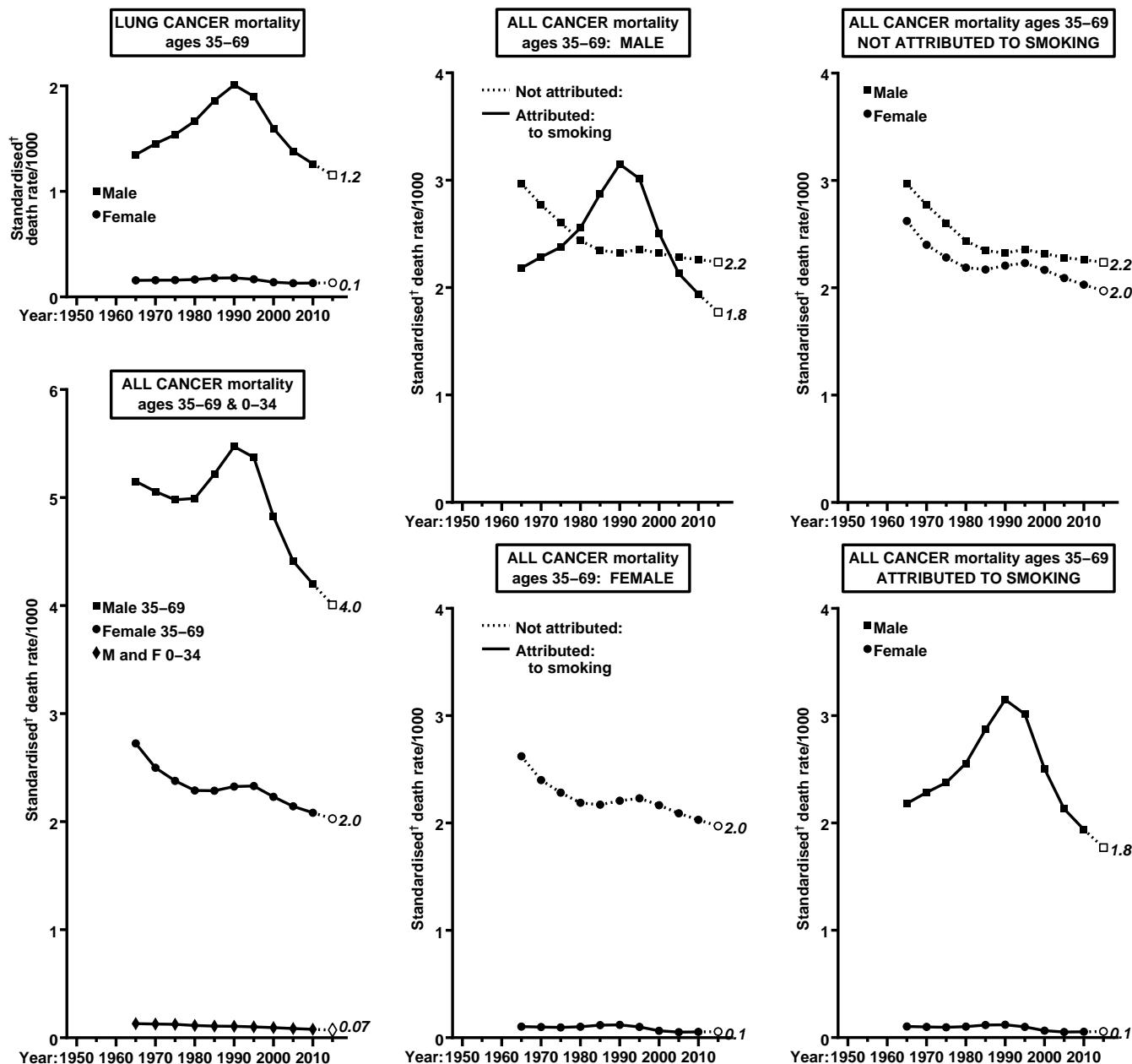
<sup>†</sup> Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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		...	...	...	...	...	...	...	...	...	...	...	...
1955		...	...	...	...	...	...	...	...	...	...	...	...
1960		...	...	...	...	...	...	...	...	...	...	...	...
1965	-	2.88	6.91	11.1		12.0	65.1	-	1.53	0.53	7.44	0.62	48.6
1970	-	3.02	7.79	11.9		16.9	66.4	-	1.38	0.57	7.51	1.57	51.1
1975	-	3.17	8.37	12.3		18.9	67.7	-	1.40	0.57	7.69	1.82	51.1
1980	-	3.23	9.42	12.8		19.6	67.5	-	1.35	0.65	8.04	1.71	48.8
1985	-	2.73	10.5	10.6		21.4	63.4	-	1.20	0.78	7.81	2.19	48.0
1990	-	2.59	10.1	10.8		23.2	58.9	-	1.06	0.75	7.56	2.89	46.0
1995	-	3.40	12.8	15.8		25.0	66.3	-	1.24	0.80	9.69	2.90	51.3
2000	-	3.38	11.5	16.3		25.0	66.6	-	1.25	0.52	9.58	2.53	52.3
2005	-	3.30	10.8	17.5		22.5	68.2	-	1.19	0.41	9.61	1.68	51.1
2010	-	2.62	8.56	14.7		18.5	62.3	-	1.00	0.34	7.99	1.14	44.0
2015	-	2.10	6.82	12.4		15.2	56.9	-	0.84	0.29	6.65	0.76	38.0

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

## 1965-2015: RUSSIAN FEDERATION

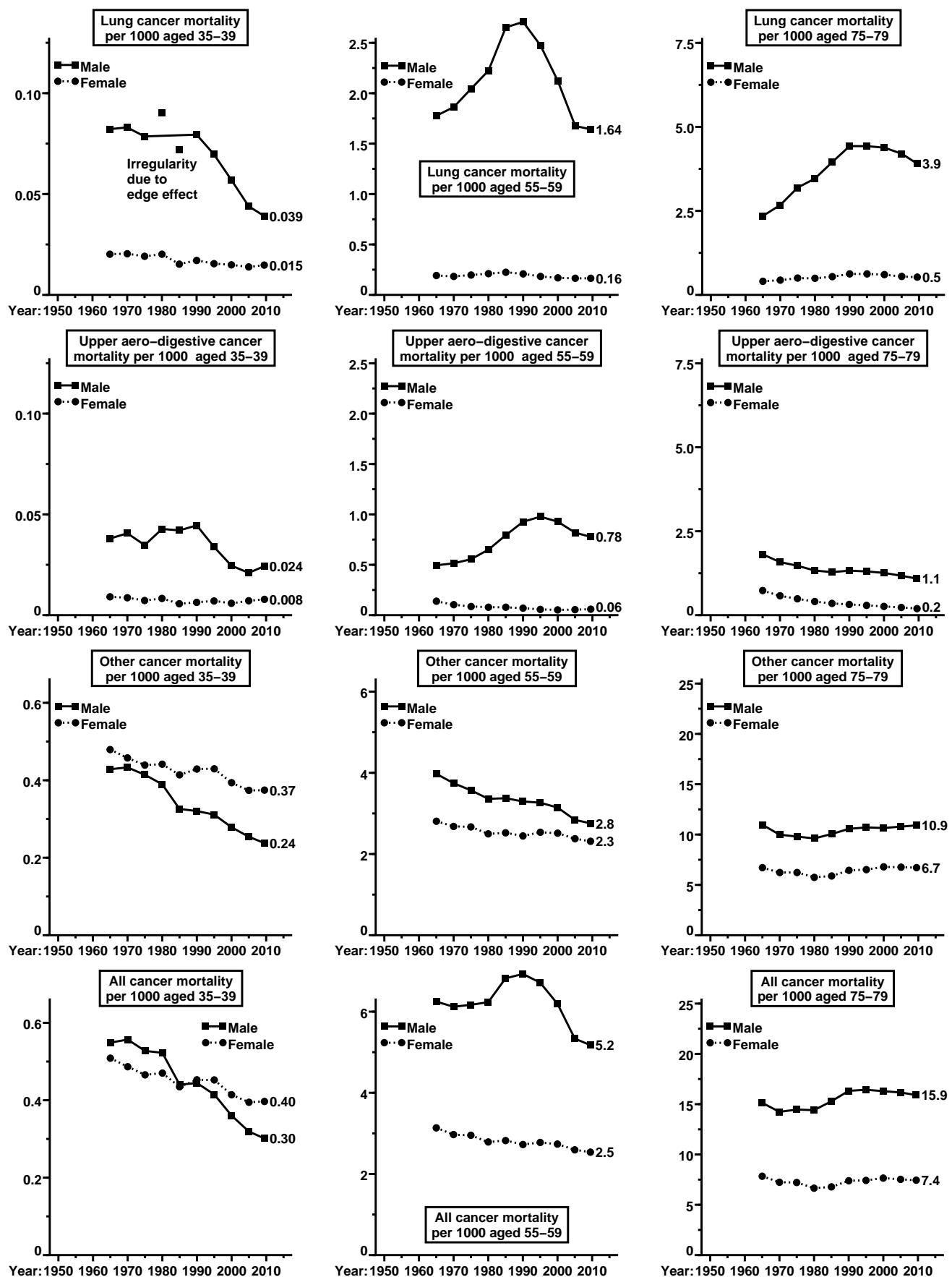
## ALL CANCER mortality rates attributed and not attributed to smoking



<sup>†</sup> Mean of 7 age-specific rates, ages 35–69 (or ages 0–34)

Year	Attributed to smoking?	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	
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950		...	...	...	...	...	...	...	...	...	...	...	...
1955		...	...	...	...	...	...	...	...	...	...	...	...
1960		...	...	...	...	...	...	...	...	...	...	...	...
1965	-	0.14	2.18	2.97	3.26	10.5	-	0.12	0.10	2.62	0.09	6.54	
1970	-	0.14	2.28	2.77	4.29	10.1	-	0.12	0.10	2.40	0.20	6.85	
1975	-	0.13	2.38	2.60	4.76	9.62	-	0.11	0.10	2.28	0.24	6.50	
1980	-	0.12	2.55	2.44	4.96	9.19	-	0.11	0.10	2.19	0.23	6.09	
1985	-	0.11	2.87	2.35	5.60	9.28	-	0.10	0.12	2.17	0.30	6.20	
1990	-	0.11	3.15	2.32	6.49	9.57	-	0.10	0.12	2.21	0.41	6.61	
1995	-	0.10	3.01	2.36	6.30	9.52	-	0.10	0.10	2.23	0.38	6.61	
2000	-	0.10	2.50	2.32	6.15	9.49	-	0.09	0.06	2.17	0.33	6.76	
2005	-	0.08	2.13	2.28	5.54	9.49	-	0.08	0.05	2.09	0.23	6.51	
2010	-	0.08	1.94	2.26	5.00	9.51	-	0.08	0.05	2.03	0.18	6.42	
2015	-	0.07	1.77	2.24	4.51	9.50	-	0.07	0.06	1.97	0.14	6.33	

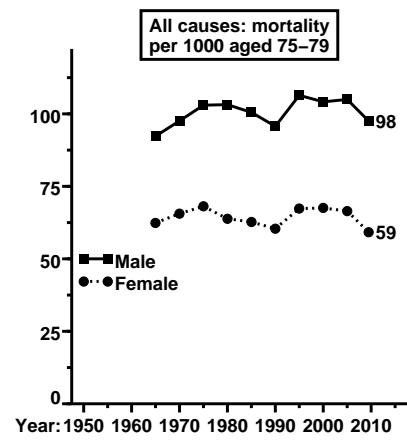
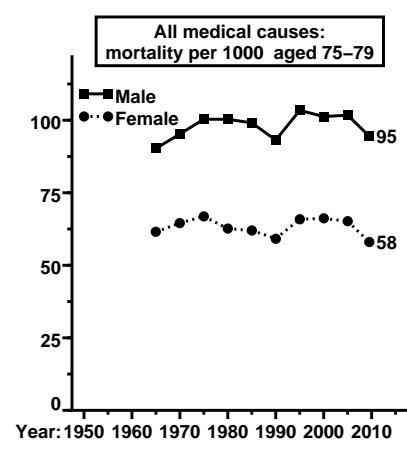
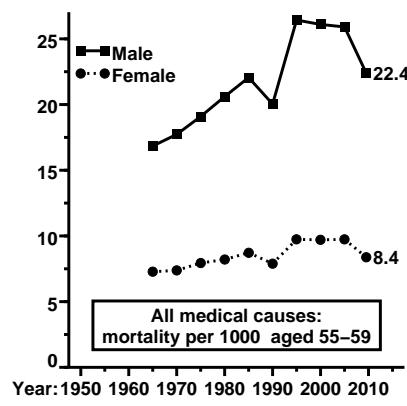
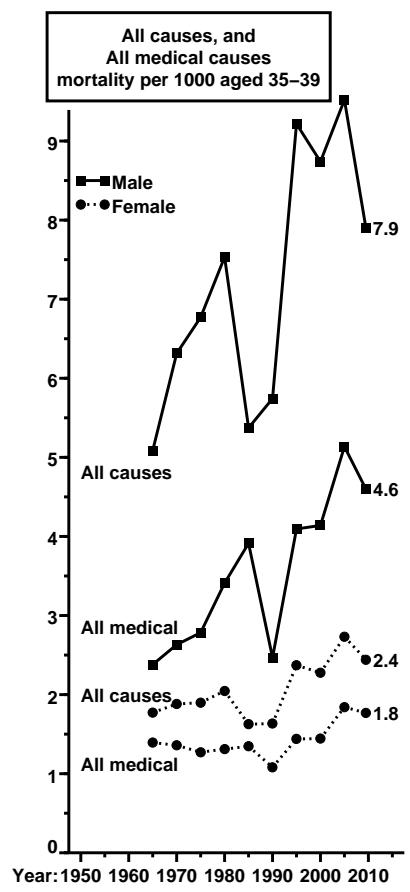
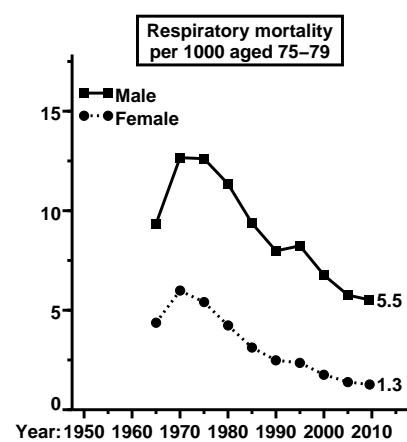
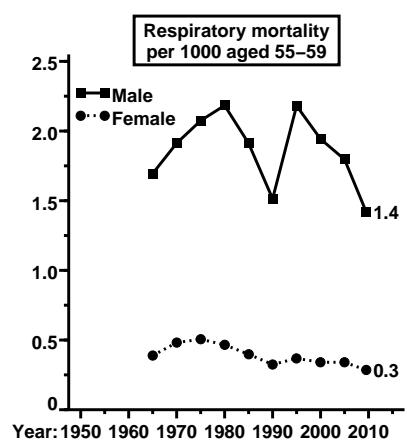
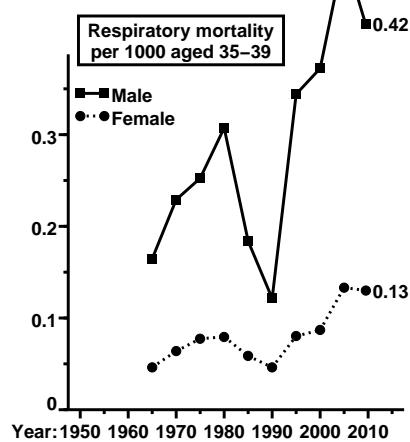
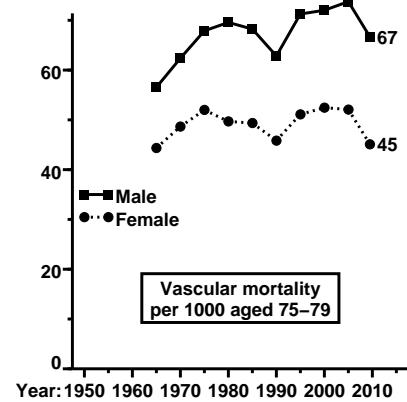
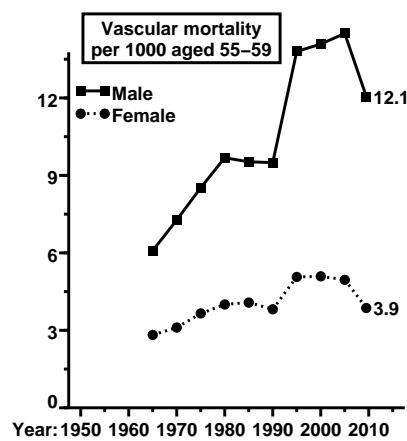
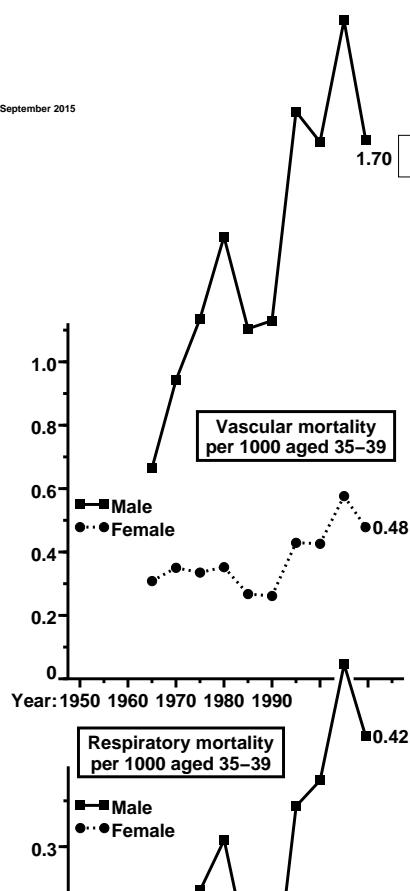
0–34 and 35–69 = means of 7 age-specific rates; 70–79 = mean of 2 rates (70–74 & 75–79)

**RUSSIAN FEDERATION: 1965-2011****Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

\* Annual mortality per 1000: averages of years available in 1965-69,...,2005-09; then 2-year average 2010-11

## 1965-2011: RUSSIAN FEDERATION

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



\* Annual mortality per 1000: averages of years available in 1965-69,...,2005-09; then 2-year average 2010-11