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

UKRAINE

(revised September 2015)

UKRAINE: 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**	341249	21466	160135	1569.4	190.4	2048.5	260.7	32.5	32.5	83.3	178.4	281.9	463.8
	F	356986	8559	79642	832.9	83.6	789.9	201.4	20.4	22.6	42.6	55.0	96.9	146.3
Tuberculosis	**M**	6269	1092	4927	27.7	8.9	49.3	0.5	0.1	−	0.6	6.3	17.8	36.8
	F	1352	347	863	5.1	2.8	7.5	0.3	−	−	0.5	3.3	6.2	9.6
Other infective and parasitic	**M**	4767	1878	2787	20.9	15.8	26.8	9.3	0.9	1.0	0.7	5.3	26.1	67.3
	F	2254	914	1226	9.2	7.9	10.8	7.8	0.3	0.6	0.8	5.2	15.3	25.1
ALL CANCER	**M**	48556	991	29663	223.3	9.0	396.0	7.1	4.4	4.5	5.5	9.0	12.6	19.6
	F	39255	986	21421	116.3	8.9	206.3	5.1	3.9	3.0	5.5	6.9	12.9	24.9
Mouth and pharynx cancer	**M**	3133	22	2505	14.4	0.2	30.9	−	0.1	0.1	−	0.1	0.4	0.6
	F	448	10	237	1.3	0.1	2.2	0.1	−	−	−	0.1	0.2	0.2
Oesophagus cancer	**M**	1391	1	1073	6.5	0.0	13.7	−	−	−	−	−	−	0.1
	F	199	1	81	0.5	0.0	0.8	−	−	−	−	−	−	0.1
Stomach cancer	**M**	5526	60	3295	25.3	0.5	44.0	−	−	−	−	0.1	0.8	2.5
	F	3622	52	1744	10.2	0.4	17.2	−	−	−	−	0.1	0.8	2.0
Colorectal cancer	**M**	5984	43	3024	27.6	0.3	43.1	−	−	−	0.1	0.2	0.9	1.2
	F	5870	39	2591	15.9	0.3	25.8	−	−	−	−	0.2	0.6	1.4
Liver cancer	**M**	946	18	624	4.4	0.1	8.2	0.2	−	−	0.1	0.1	0.3	0.4
	F	655	10	318	1.9	0.1	3.1	0.2	−	−	0.1	0.1	0.2	0.2
Pancreas cancer	**M**	2393	31	1605	11.0	0.2	20.7	−	−	−	−	0.1	0.3	1.4
	F	1963	11	913	5.4	0.1	9.2	−	−	−	−	0.1	0.2	0.4
Larynx cancer	**M**	1449	1	1051	6.7	0.0	13.7	−	−	−	−	−	−	0.1
	F	51	−	28	0.1	−	0.3	−	−	−	−	−	−	−
Lung cancer	**M**	11862	32	7752	54.6	0.3	105.2	−	−	−	0.2	0.2	0.3	1.1
	F	2314	25	1147	6.5	0.2	11.1	−	−	−	0.2	0.2	0.4	0.6
Malignant melanoma	**M**	534	37	358	2.5	0.3	4.4	−	−	−	0.1	0.3	0.4	1.4
	F	564	36	338	1.8	0.3	3.2	−	−	0.1	−	0.3	0.4	1.3
Female breast cancer	**F**	7965	89	5056	24.5	0.7	47.7	−	−	−	−	0.2	1.1	3.8
Cervix cancer	**F**	2144	139	1520	7.3	1.1	13.6	−	−	−	−	0.3	2.2	5.3
Other uterine cancer	**F**	2076	14	1161	6.0	0.1	11.5	−	−	−	0.1	−	0.3	0.5
Ovarian cancer	**F**	2589	50	1785	8.3	0.4	16.6	0.1	−	0.2	0.5	0.5	0.6	1.2
Prostate cancer	**M**	3418	4	1267	15.7	0.0	20.1	−	−	−	−	0.1	0.2	−
Bladder cancer	**M**	1966	4	873	9.0	0.0	12.9	−	−	−	−	−	0.1	0.2
	F	377	2	105	0.9	0.0	1.1	−	−	−	−	−	−	0.1
Other and ill−defined cancer sites	**M**	7677	516	4882	35.2	4.7	61.6	4.5	2.5	2.3	3.1	5.0	7.1	8.4
	F	6437	332	3343	19.3	3.2	32.6	2.8	2.4	1.9	2.8	2.9	3.8	5.9
Hodgkin's disease	**M**	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and non−Hodgkin lymphomas	**M**	899	66	597	4.1	0.6	7.5	0.2	−	0.7	0.2	1.1	0.5	1.3
	F	818	51	482	2.6	0.5	4.6	0.2	0.2	0.2	0.5	0.7	0.8	0.7
Leukaemia	**M**	1378	156	757	6.4	1.6	9.9	2.2	1.8	1.4	1.7	1.7	1.4	1.0
	F	1163	125	572	3.7	1.3	5.6	1.8	1.3	0.6	1.2	1.2	1.5	1.3
Diabetes	**M**	982	78	676	4.5	0.6	8.6	−	0.1	0.1	0.1	0.9	1.4	1.9
	F	1372	74	753	4.2	0.6	7.6	0.2	0.1	0.1	0.5	0.4	2.0	1.1
ALL VASCULAR DISEASE	**M**	198510	1856	73179	916.1	15.4	1020.0	4.5	0.6	1.1	4.5	11.0	26.5	59.8
	F	266583	605	38834	562.2	5.2	406.1	2.8	0.2	0.8	2.0	5.1	8.8	16.6
Rheumatic heart disease and fever	**M**	584	18	495	2.7	0.1	5.8	−	−	−	0.1	0.1	0.2	0.8
	F	784	12	569	2.5	0.1	5.5	−	−	−	−	0.1	0.2	0.3
Hypertensive disease	**M**	385	14	272	1.8	0.1	3.2	−	−	−	−	−	0.2	0.6
	F	275	1	138	0.8	0.0	1.3	−	−	−	−	−	−	0.1
Ischaemic heart disease	**M**	136333	672	47942	629.6	5.5	689.1	−	−	−	1.0	4.2	10.1	22.9
	F	178339	174	24445	373.6	1.4	261.1	−	−	−	0.5	1.9	2.5	5.2
Pulmonary embolism and other venous	**M**	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	**M**	40274	263	14625	185.6	2.2	205.7	1.1	−	0.3	0.8	1.6	4.1	7.6
	F	61075	123	10069	131.1	1.1	104.2	0.9	0.1	0.4	0.4	1.3	1.3	3.3
Other vascular disease, incl. venous	**M**	20934	889	9845	96.5	7.5	116.1	3.4	0.6	0.8	2.6	5.2	12.0	27.9
	F	26110	295	3613	54.1	2.5	34.0	1.9	0.1	0.4	1.2	1.8	4.7	7.7
Chronic obstructive pulmonary disease	**M**	8683	43	2932	40.1	0.4	43.5	−	0.2	−	−	0.1	0.7	1.5
	F	4069	24	701	8.9	0.2	7.1	−	0.1	0.1	0.3	0.2	0.7	0.2
Other respiratory disease	**M**	5017	709	3463	22.8	6.2	37.7	9.4	0.6	0.6	1.2	3.5	10.4	17.7
	F	1711	363	914	6.2	3.5	8.1	7.8	0.7	0.6	1.3	2.3	5.7	5.8
Peptic ulcer	**M**	1146	58	780	5.2	0.5	9.0	0.1	−	−	−	0.4	1.1	1.7
	F	568	7	221	1.5	0.1	2.1	−	0.1	−	−	−	0.1	0.2
Liver cirrhosis & other liver disease	**M**	12039	989	9746	54.6	8.1	109.0	0.7	−	0.1	0.3	3.7	14.8	36.8
	F	6264	430	4769	21.8	3.5	42.7	0.3	−	0.1	0.4	2.1	6.2	15.6
Renal disease	**M**	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth	**F**	116	98	18	0.5	0.8	0.2	−	−	−	0.7	1.4	1.9	1.7
Congenital and perinatal causes	**M**	2447	2269	164	15.5	26.5	1.8	174.0	4.6	1.6	1.7	1.1	1.2	1.2
	F	1886	1712	158	12.4	21.2	1.4	137.2	3.8	2.3	1.9	1.0	1.1	0.9
Ill−defined causes	**M**	6679	512	2521	31.4	4.6	28.4	8.4	0.2	0.5	1.6	4.1	6.6	10.7
	F	13268	162	673	24.4	1.7	6.4	7.1	0.1	0.3	0.3	0.6	1.2	2.2
Other medical causes	**M**	11692	1715	7377	53.4	15.4	84.5	18.4	6.1	4.0	7.1	11.1	23.2	38.1
	F	8795	820	4196	26.9	7.9	39.4	13.1	3.4	3.9	5.2	6.7	9.7	13.7
ALL NON−MEDICAL CAUSES	**M**	34462	9276	21920	153.8	79.1	233.9	28.4	14.4	18.9	60.0	121.8	139.5	170.7
	F	9493	2017	4895	33.3	19.3	44.3	19.7	7.6	11.0	23.4	19.8	25.0	28.7
Road traffic accidents	**M**	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	**M**	1152	140	792	5.3	1.3	8.8	2.4	0.2	0.1	0.3	1.2	1.9	2.8
	F	529	49	175	1.5	0.5	1.6	1.8	0.6	0.1	0.1	0.2	0.4	0.5
Suicide	**M**	7512	2335	4215	32.9	19.2	45.1	−	0.2	3.0	15.0	35.1	38.5	42.9
	F	1579	339	774	5.4	3.0	7.2	−	−	1.4	5.8	4.5	4.5	5.0
POPULATION:			**M=male**		21095	10063	9339	1219	949	1090	1409	1802	1885	1708
(1000s; UN, 2015 revision)			**F=female**		24553	9701	11236	1148	893	1039	1339	1718	1815	1748

2010: UKRAINE

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			
616.4	828.1	1053.1	1625.1	1964.9	3868.0	4384.0	6479.4	9777.1	15415.3	M	**ALL CAUSES**	001−999/A00−Y89
208.9	289.1	353.7	538.3	695.3	1505.5	1938.7	3433.5	6194.2	13557.9	F		
48.6	61.0	63.5	67.9	47.8	38.1	18.4	16.0	15.9	11.0	M	**Tuberculosis**	010−018/A15−A19
12.8	11.7	9.0	6.0	5.0	5.3	3.1	3.5	5.9	3.2	F		
64.7	49.9	29.5	18.8	9.9	8.1	6.9	5.6	6.5	6.6	M	**Other infective and parasitic**	Rest of 001−139,279.5&.6/ rest of A00−B99 excl A33,A34
22.5	22.8	10.8	6.7	4.9	3.4	4.1	2.9	3.2	3.4	F		
34.9	73.6	141.8	302.1	446.4	862.8	910.7	1077.5	1121.2	952.1	M	**ALL CANCER**	140−208/C00−C97
45.0	77.7	113.5	187.5	215.5	416.3	388.8	492.1	500.8	407.4	F		
2.2	7.1	14.9	34.2	44.1	63.4	50.2	43.4	33.8	21.4	M	**Mouth and pharynx cancer**	140−149/C00−C14
0.7	0.9	1.6	1.7	3.0	3.7	3.9	4.3	7.1	6.2	F		
0.3	1.7	4.8	13.9	19.7	30.6	25.0	19.7	19.6	15.8	M	**Oesophagus cancer**	150/C15
0.1	0.1	0.2	0.6	1.0	1.9	1.8	3.0	2.9	3.8	F		
4.1	10.1	15.1	33.7	48.6	92.8	103.8	128.9	145.2	110.2	M	**Stomach cancer**	151/C16
3.1	5.4	7.9	12.4	16.9	36.8	37.9	52.1	62.6	40.0	F		
2.7	6.5	11.2	24.1	37.8	99.0	120.5	159.8	189.3	182.3	M	**Colorectal cancer**	153, 154/C18−C21
2.5	5.5	9.2	20.2	25.3	57.5	60.7	89.5	96.4	85.0	F		
0.9	1.8	3.4	6.5	9.0	18.8	17.4	19.1	18.6	14.9	M	**Liver cancer**	155.0, 155.1/C22
0.6	1.1	1.3	2.5	3.4	7.3	5.5	9.3	8.2	9.3	F		
2.6	4.6	10.0	17.4	24.4	42.6	43.5	47.2	44.4	39.7	M	**Pancreas cancer**	157/C25
0.7	2.1	2.7	7.7	8.1	21.8	21.2	31.0	28.6	25.8	F		
0.4	2.2	5.1	12.4	17.4	30.6	27.8	27.9	18.6	18.8	M	**Larynx cancer**	161/C32
0.1	−	0.2	0.2	0.1	0.6	0.8	0.5	0.5	0.9	F		
3.5	11.9	31.8	75.5	124.9	240.0	248.7	273.8	242.4	168.9	M	**Lung cancer**	162/C33, C34
1.9	3.2	5.3	9.3	12.4	23.3	22.5	33.1	32.5	29.0	F		
1.5	1.9	3.1	4.0	4.2	8.7	7.3	7.6	8.2	9.5	M	**Malignant melanoma**	172/C43
1.4	1.9	2.8	2.5	3.1	5.5	5.3	4.5	7.2	4.9	F		
8.8	19.8	29.8	51.3	54.4	95.2	74.6	85.5	77.7	68.3	F	**Female breast cancer**	174/C50
10.0	12.6	13.2	16.5	13.1	16.5	13.3	14.5	14.4	11.3	F	**Cervix cancer**	180/C53
1.4	1.6	4.9	9.0	12.2	26.9	24.2	29.9	25.1	18.2	F	**Other uterine cancer**	179, 182/C54, C55
2.7	7.5	13.1	18.7	18.7	29.0	26.7	25.6	23.0	13.1	F	**Ovarian cancer**	183.0/C56
0.1	0.1	1.1	5.1	14.0	47.0	73.0	110.4	142.9	146.2	M	**Prostate cancer**	185/C61
0.5	1.1	2.1	5.6	11.4	28.7	40.8	57.5	67.8	75.5	M	**Bladder cancer**	188/C67
−	0.1	0.3	0.7	0.7	3.3	2.8	5.6	7.7	9.7	F		
11.7	17.7	31.0	54.9	74.2	126.4	115.5	138.5	146.7	114.5	M	**Other and ill−defined cancer sites**	Rest of 140−199/ rest of C00−C80, C97
8.0	11.4	16.1	26.3	32.5	68.5	65.3	78.8	84.2	67.8	F		
...	...	...	...	...	...	...	...	...	...	M	**Hodgkin's disease**	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
2.2	3.6	4.0	6.5	7.1	14.5	14.9	14.8	14.1	11.9	M	**Myeloma and non−Hodgkin lymphomas**	200, 202−203/ C82−C85, C90
1.8	2.2	2.0	3.8	5.5	7.3	9.6	9.2	9.2	5.2	F		
2.2	3.2	4.1	8.2	9.5	19.8	22.3	28.9	29.5	22.4	M	**Leukaemia**	204−208/C91−C95
1.2	2.0	3.0	4.3	4.9	11.3	12.7	15.5	13.8	8.8	F		
2.7	3.1	4.5	7.1	8.8	16.9	16.7	14.7	16.6	7.8	M	**Diabetes**	250/E10−E14
1.5	2.2	2.0	5.4	7.1	17.9	16.8	19.0	16.2	9.2	F		
111.7	198.7	340.9	627.3	893.1	2158.4	2809.6	4619.4	7667.5	12658.7	M	**ALL VASCULAR DISEASE**	390−459/I00−I99
32.8	52.4	93.1	180.5	307.8	841.6	1334.6	2675.8	5320.7	11694.7	F		
1.4	2.3	4.4	7.4	6.8	9.8	8.7	5.8	2.7	2.2	M	**Rheumatic heart disease and fever**	390−398/I00−I09
0.4	1.3	3.0	5.2	6.4	10.8	11.2	8.1	5.9	2.2	F		
0.9	1.6	2.1	3.5	3.8	6.8	3.9	5.6	5.5	6.8	M	**Hypertensive disease**	401−404/I10−I13
0.1	0.3	0.9	1.6	1.1	2.4	2.8	3.0	3.5	5.0	F		
47.5	92.1	183.0	376.3	571.8	1516.4	2036.6	3354.3	5604.1	8683.2	M	**Ischaemic heart disease**	410−414/I20−I25
10.2	19.9	36.5	83.7	185.3	559.7	932.7	1895.1	3776.9	7681.2	F		
...	...	...	...	...	...	...	...	...	...	M	**Pulmonary embolism and other venous**	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
17.4	35.5	62.3	122.5	183.8	437.4	580.9	974.1	1560.9	2565.5	M	**Cerebrovascular disease**	430−438/I60−I69
9.1	13.7	29.3	55.5	81.4	217.7	322.3	631.4	1200.6	2571.7	F		
44.6	67.2	89.0	117.7	126.8	188.0	179.5	279.6	494.3	1401.0	M	**Other vascular disease, incl. venous**	Rest of 390−459/ rest of I00−I99
12.9	17.3	23.3	34.5	33.5	51.0	65.6	138.2	333.8	1434.7	F		
2.1	5.6	8.0	19.1	33.5	97.4	138.9	226.2	394.6	518.6	M	**Chronic obstructive pulmonary disease**	490−494, 496/ J40−J47
0.7	2.2	1.7	4.4	6.1	12.7	22.1	39.3	90.3	164.0	F		
25.3	32.9	33.8	47.7	41.3	47.6	35.2	42.6	58.6	57.0	M	**Other respiratory disease**	Rest of 460−519/ rest of J00−J98
7.9	9.1	8.9	9.4	6.9	8.4	6.0	8.7	12.9	15.7	F		
3.5	5.0	6.6	10.6	11.3	13.1	12.8	15.9	17.9	23.4	M	**Peptic ulcer**	531−533/K25−K27
1.0	1.4	1.3	1.8	1.8	4.7	3.0	7.3	9.3	12.2	F		
58.5	79.3	95.6	127.2	122.1	170.5	110.0	98.3	64.8	43.4	M	**Liver cirrhosis & other liver disease**	570−573/ K70−K76
25.1	35.1	38.9	47.8	51.9	62.0	38.2	35.2	28.8	22.3	F		
...	...	...	...	...	...	...	...	...	...	M	**Renal disease**	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
0.9	0.2	–	–	–	–	–	–	–	–	F	**Pregnancy, birth**	630−676/O00−O99
1.7	1.1	1.9	1.7	1.9	2.8	1.6	0.8	1.2	0.5	M	**Congenital and perinatal causes**	740−779/ P00−P96, Q00−Q99
1.0	1.9	1.2	1.8	1.6	1.5	0.7	0.7	0.4	0.2	F		
16.4	18.1	23.4	34.0	30.5	48.2	28.6	38.5	68.7	738.4	M	**Ill−defined causes**	780−799/R00−R99
3.2	3.7	3.9	5.8	6.3	10.3	11.3	14.4	41.8	987.1	F		
48.9	56.0	67.3	90.0	89.6	132.2	107.3	131.4	153.4	201.3	M	**Other medical causes**	Rest of 001−799/ rest of A00−R99
18.7	25.4	27.4	37.5	38.6	65.7	62.5	79.7	97.7	141.9	F		
197.3	243.8	236.4	271.5	228.8	272.0	187.3	192.4	190.3	196.7	M	**ALL NON−MEDICAL CAUSES**	E800−E999/V01−Y89
36.0	43.4	42.0	43.9	41.8	55.6	47.4	55.1	66.2	96.5	F		
...	...	...	...	...	...	...	...	...	...	M	**Road traffic accidents**	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
4.8	7.4	8.8	10.0	8.2	14.0	8.7	10.8	13.4	17.3	M	**Fire**	E890−E899/X00−X09
0.7	1.2	1.5	1.9	1.7	1.9	2.3	3.7	7.7	15.2	F		
42.0	47.6	46.0	49.0	41.5	46.0	43.8	52.9	60.8	61.4	M	**Suicide**	E950−E959/X60−X84
7.0	6.7	6.5	6.7	4.6	9.0	9.7	10.3	12.3	16.6	F		
1578	1433	1672	1508	1536	864	749	880	403	410	M	**POPULATION**	
1644	1511	1847	1826	2004	1171	1233	1580	834	1201	F	**(1000s; UN, 2015 revision)**	

UKRAINE: 2010

Relative importance of deaths in MIDDLE age (35−69) in the year 2010

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands) Male	Female	Mean years lost PER DEATH FROM SMOKING
0−34	− / 22	− / 8.8	−
35−69	56 / 168	2.2 / 82	20 years
70+	25 / 155	0.8 / 261	8 years
All ages	82 / 346	3.0 / 351	16 years

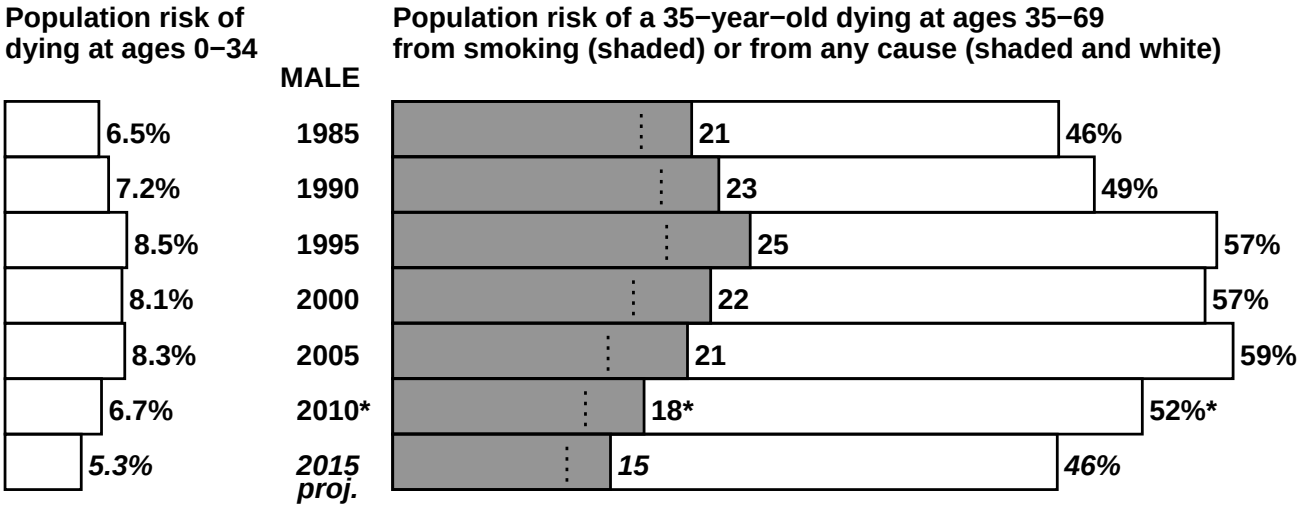
Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2010

Cause	Male (by age) 0−34	35−69	70+	All	Female (by age) 0−34	35−69	70+	All
Lung Cancer	−/0.0	7.2/7.9	3.6/4.2	11/12	−/0.0	0.3/1.2	0.1/1.1	0.3/2.4
All Cancer	−/1.0	13/30 (42%)	5.2/18 (28%)	18/49	−/1.0	0.3/22 (2%)	0.1/17 (0.6%)	0.4/40
Vascular	−/2.0	33/76	16/119	49/197	−/0.6	1.6/39	0.6/219	2.2/259
Respiratory	−/0.8	4.2/7.0	3.3/6.3	7.6/14	−/0.4	0.1/1.7	0.1/3.6	0.2/5.6
All Other	−/19	6.4/55	0.5/12	6.9/86	−/6.9	0.2/19	0.0/21	0.2/47
All Causes	−/22	56/168 (33%)	25/155 (16%)	82/346	−/8.8	2.2/82 (3%)	0.8/261 (0.3%)	3.0/351

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

Cause	Male	Female	Male + Female
All Cancer	18 / 49 (36%)	0.4 / 40 (1%)	18 / 89 (21%)
All Causes	82 / 346 (24%)	3.0 / 351 (0.9%)	85 / 697 (12%)

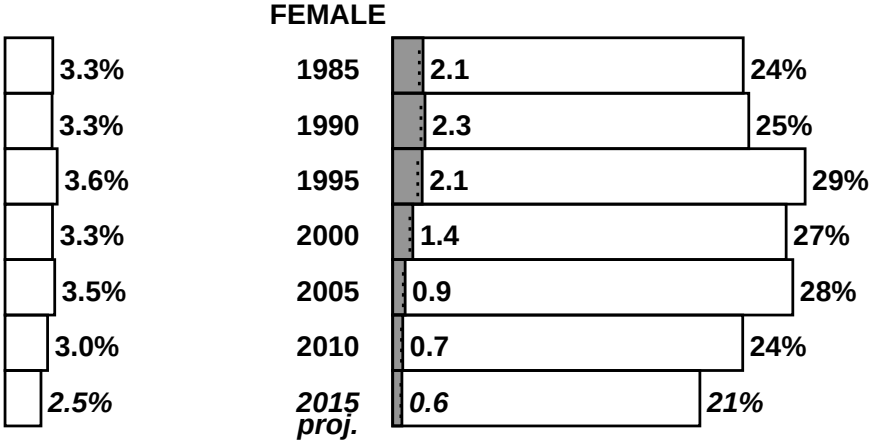
1985-2015: UKRAINE



*eg, at year 2010 male death rates, out of 100 men aged 35, 52 would die before age 70 (with 18 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 456−463), the long−term average is more trustworthy and relevant than implausibly rapid short−term fluctuations.



UKRAINE: 1980-2015

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	***− / 17***	***− / 7.3***	**–**
35−69	***50 / 150***	***2.4 / 75***	***20 years***
70+	***20 / 141***	***0.7 / 245***	***8 years***
All ages	***70 / 309***	***3.1 / 327***	***17 years***

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

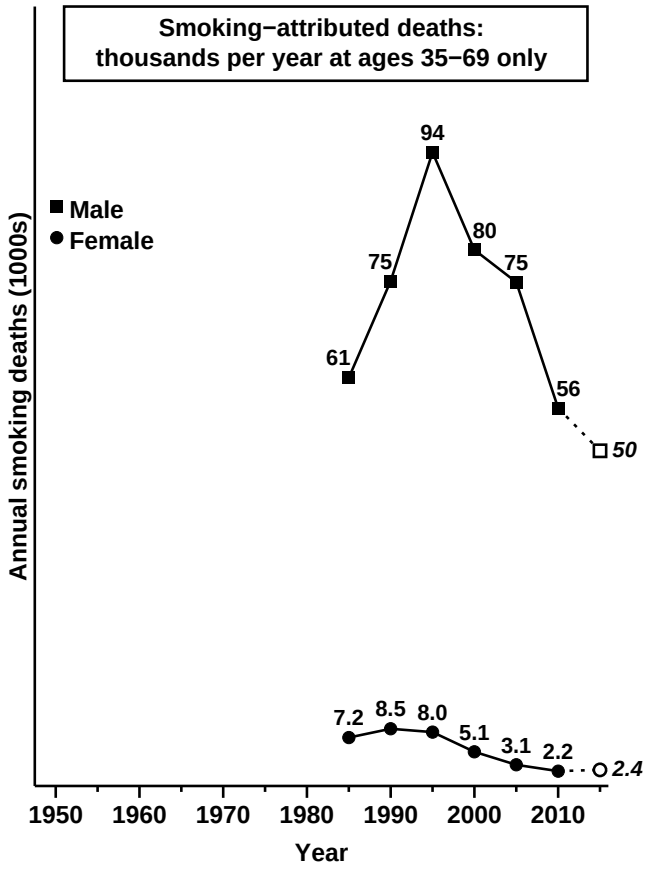
Year	Male (by age)				Female (by age)			
	0−34	**35−69**	**70+**	**All**	**0−34**	**35−69**	**70+**	**All**
1955	…	…	…	…	…	…	…	…
1965	…	…	…	…	…	…	…	…
1975	…	…	…	…	…	…	…	…
1985	−/26	61/132 **(46%)**	23/114 **(21%)**	84/272	−/13	7.2/84 **(9%)**	9.1/221 **(4%)**	16/318
1995	−/30	94/219 **(43%)**	27/128 **(21%)**	121/378	−/12	8.0/113 **(7%)**	9.3/264 **(4%)**	17/388
2005	−/27	75/218 **(34%)**	27/147 **(18%)**	102/392	−/10	3.1/105 **(3%)**	2.4/259 **(0.9%)**	5.6/373
2015 *proj.*	*−/17*	*50/150* ***(33%)***	*20/141* ***(14%)***	*70/309*	*−/7.3*	*2.4/75* ***(3%)***	*0.7/245* ***(0.3%)***	*3.1/327*

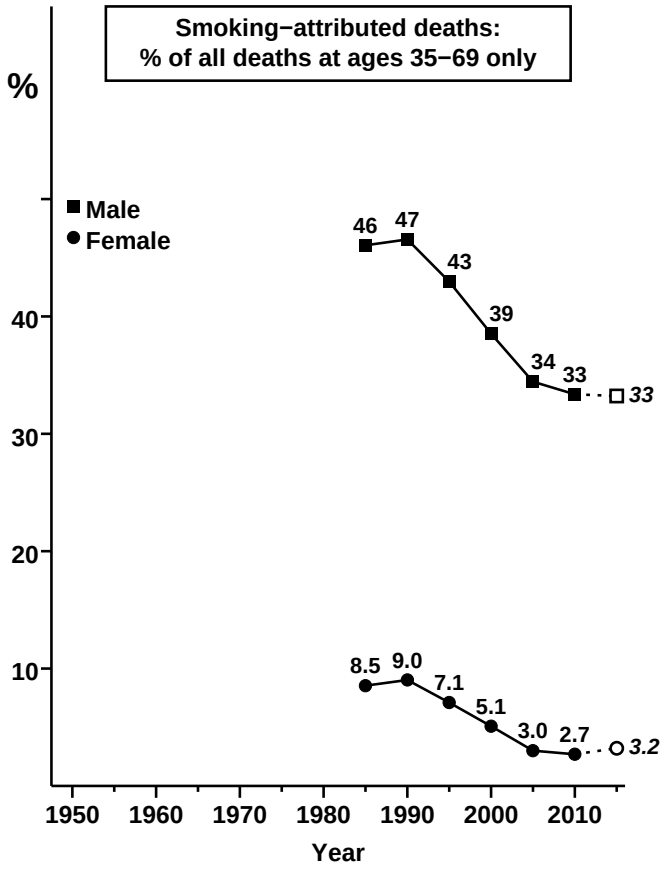
40−year total (M=millions), decade of 1980s to decade of 2010s (1980−2020*): 4.2 / 28M
*Estimated as 10 times the sum of the annual numbers for 1985, 1995, 2005 and 2015

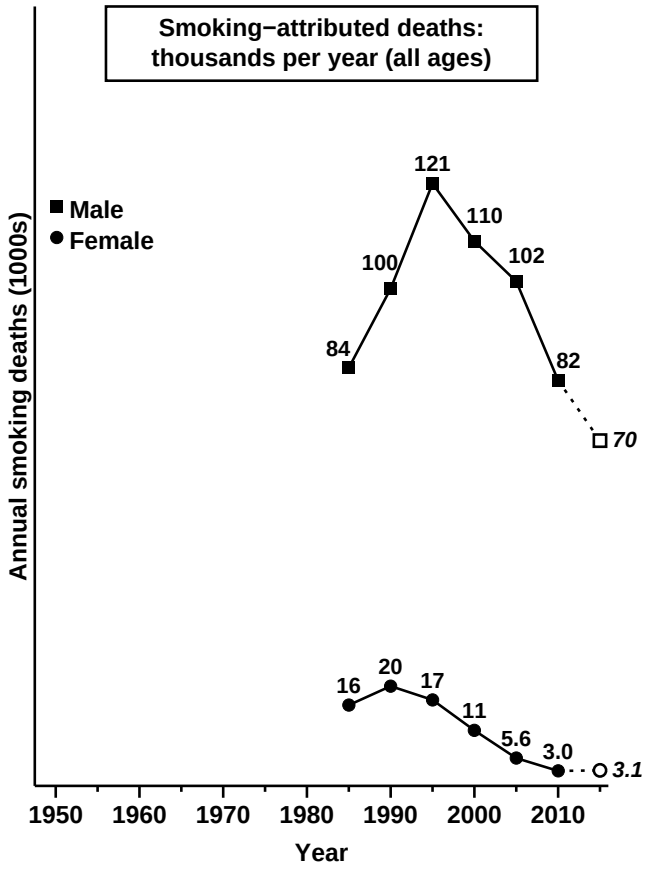
1980−2020, by age & sex:

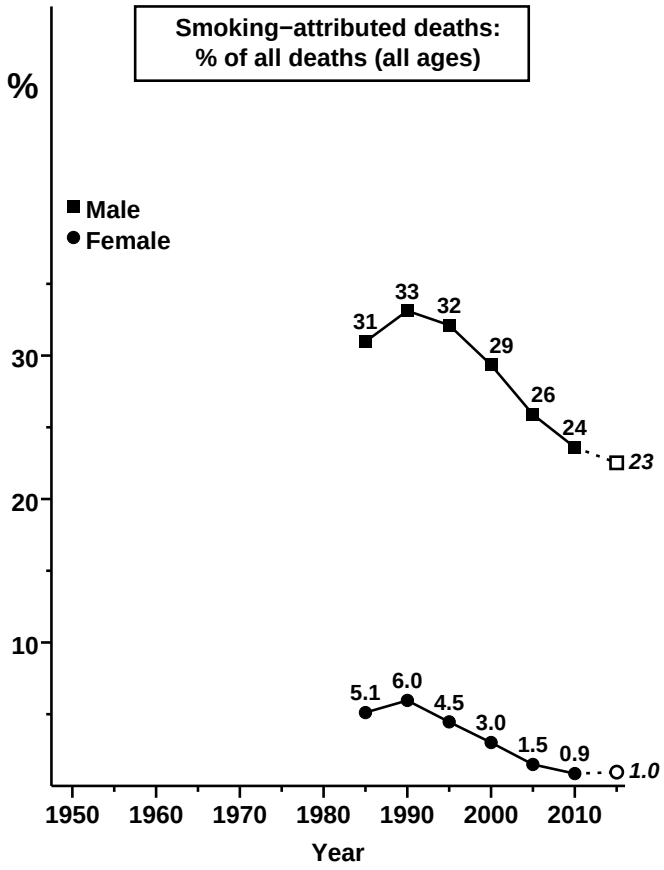
−/1.0M	2.8/7.2M **(39%)**	1.0/5.3M **(18%)**	3.8/14M	−/0.4M	0.2/3.8M **(6%)**	0.2/9.9M **(2%)**	0.4/14M

1985-2015: UKRAINE



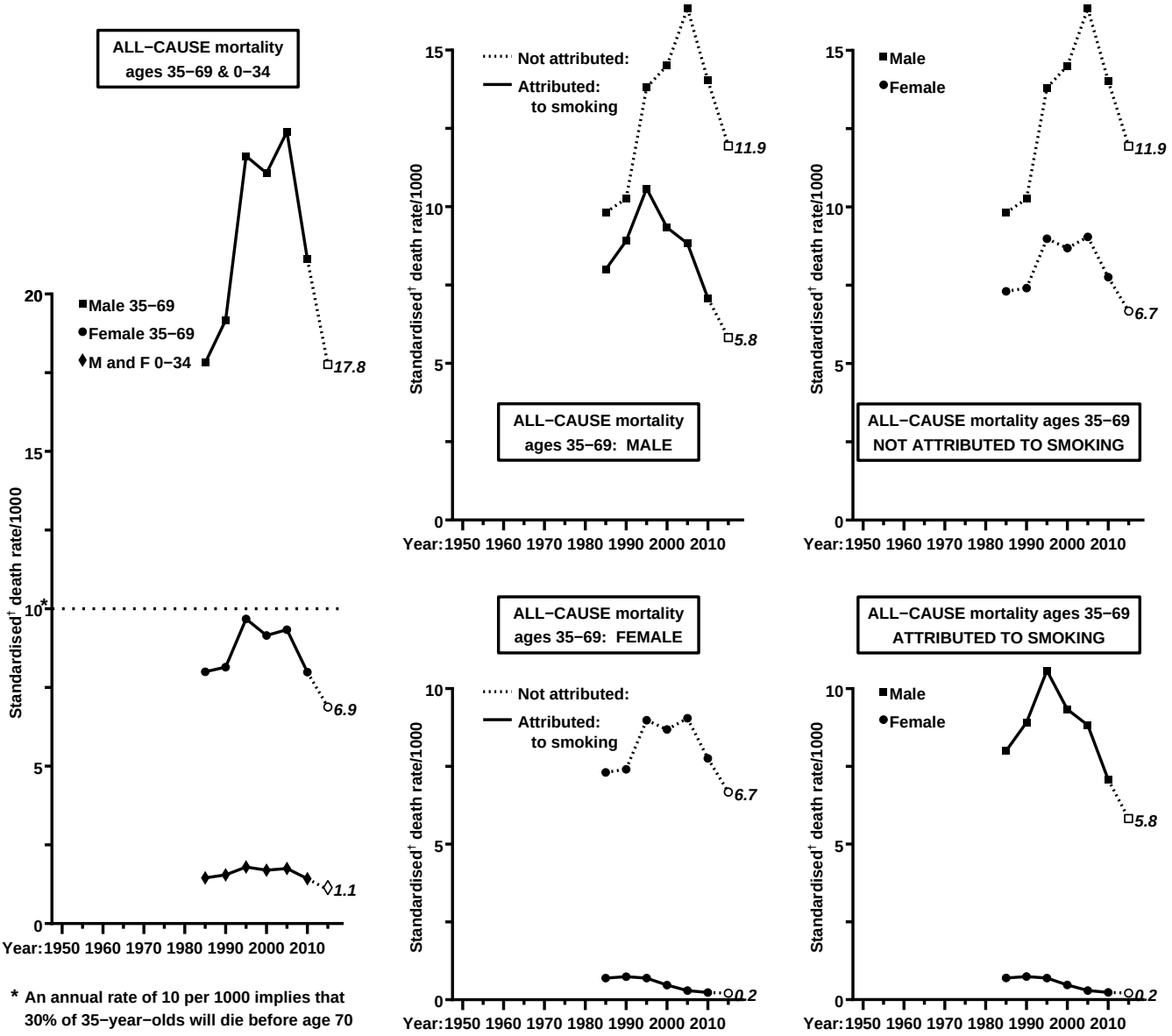






UKRAINE: 1985-2015

ALL−CAUSE mortality rates attributed and not attributed to smoking



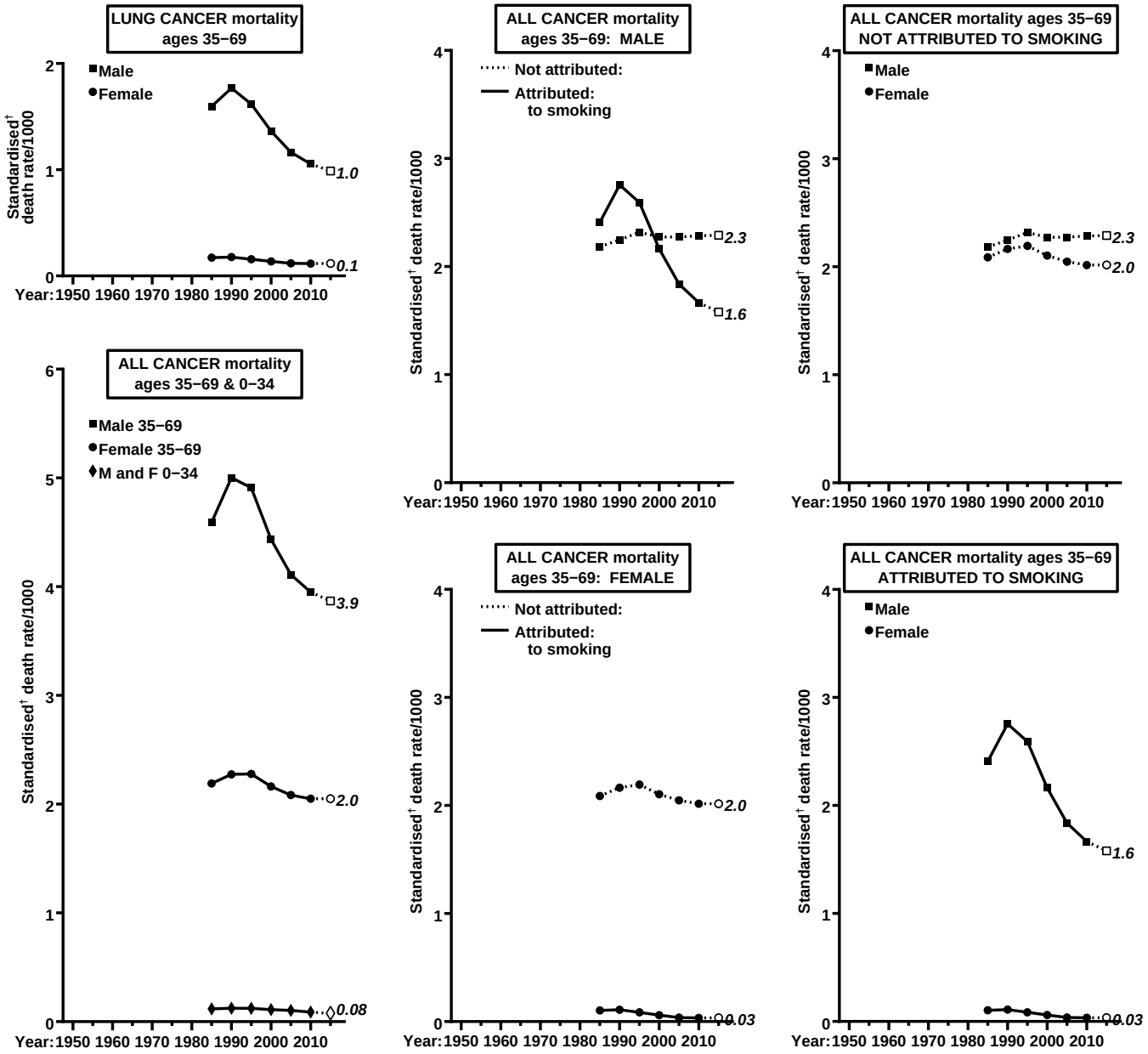
† Mean of 7 age−specific rates, ages 35−69 (or ages 0−34)

Year	Attributed to smoking?	MALE all−cause mortality (annual rate/1000, by age) 0−34 Yes	0−34 No	35−69 Yes	35−69 No	70−79 Yes	70−79 No	FEMALE all−cause mortality (annual rate/1000, by age) 0−34 Yes	0−34 No	35−69 Yes	35−69 No	70−79 Yes	70−79 No
1950		...	...	...	...	...	...	...	...	...	...	...	...
1955		...	...	...	...	...	...	...	...	...	...	...	...
1960		...	...	...	...	...	...	...	...	...	...	...	...
1965		...	...	...	...	...	...	...	...	...	...	...	...
1970		...	...	...	...	...	...	...	...	...	...	...	...
1975		...	...	...	...	...	...	...	...	...	...	...	...
1980		...	...	...	...	...	...	...	...	...	...	...	...
1985		−	1.93	8.00	9.81	18.1	60.6	−	0.97	0.69	7.30	2.54	49.0
1990		−	2.14	8.91	10.3	20.8	59.1	−	0.95	0.74	7.41	3.31	48.2
1995		−	2.53	10.6	13.8	21.0	67.8	−	1.06	0.69	8.98	2.52	54.4
2000		−	2.43	9.33	14.5	19.5	66.6	−	0.96	0.47	8.68	1.63	52.1
2005		−	2.49	8.82	16.3	17.5	70.6	−	1.01	0.29	9.04	0.70	52.3
2010		−	1.99	7.08	14.0	14.0	65.3	−	0.86	0.23	7.75	0.27	46.5
2015		−	*1.56*	*5.82*	*11.9*	*12.0*	*59.6*	−	*0.72*	*0.21*	*6.67*	*0.33*	*41.8*

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

1985-2015: UKRAINE

ALL CANCER mortality rates attributed and not attributed to smoking



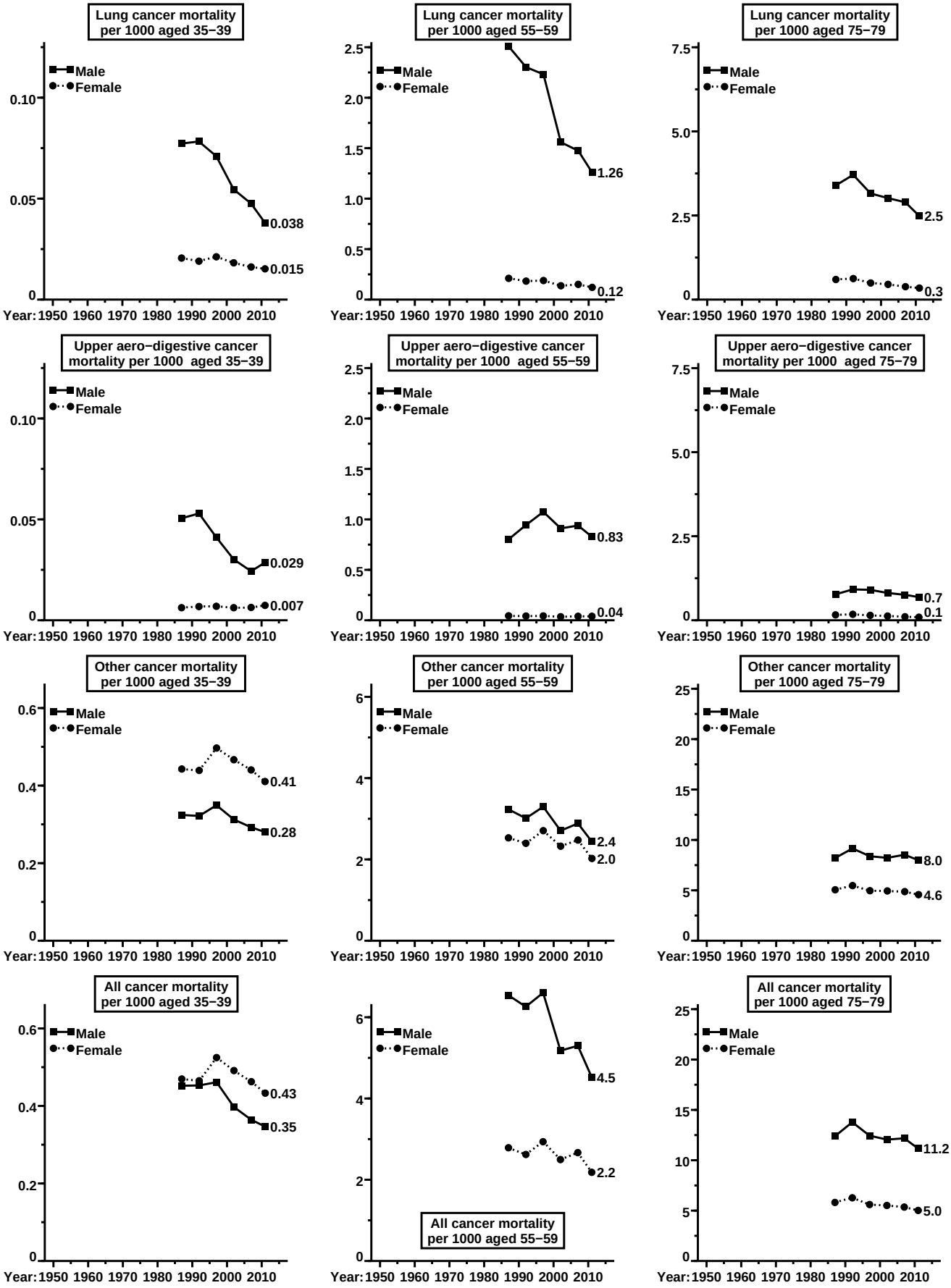
† Mean of 7 age−specific rates, ages 35−69 (or ages 0−34)

Year	Attributed to smoking?	MALE 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		...	...	...	...	...	...	...	...	...	...	...	...
1970		...	...	...	...	...	...	...	...	...	...	...	...
1975		...	...	...	...	...	...	...	...	...	...	...	...
1980		...	...	...	...	...	...	...	...	...	...	...	...
1985		−	0.12	2.41	2.18	4.24	7.72	−	0.11	0.10	2.09	0.28	5.19
1990		−	0.13	2.75	2.25	5.09	8.40	−	0.12	0.11	2.16	0.40	5.77
1995		−	0.12	2.59	2.32	4.43	8.12	−	0.12	0.08	2.19	0.26	5.39
2000		−	0.11	2.16	2.27	4.23	8.17	−	0.11	0.06	2.10	0.17	5.32
2005		−	0.11	1.84	2.27	3.70	7.94	−	0.10	0.04	2.05	0.08	4.99
2010		−	0.09	1.66	2.28	3.29	8.03	−	0.09	0.03	2.02	0.03	5.00
2015		−	*0.08*	*1.58*	*2.29*	*3.07*	*8.14*	−	*0.08*	*0.03*	*2.02*	*0.04*	*5.10*

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

UKRAINE: 1985-2012

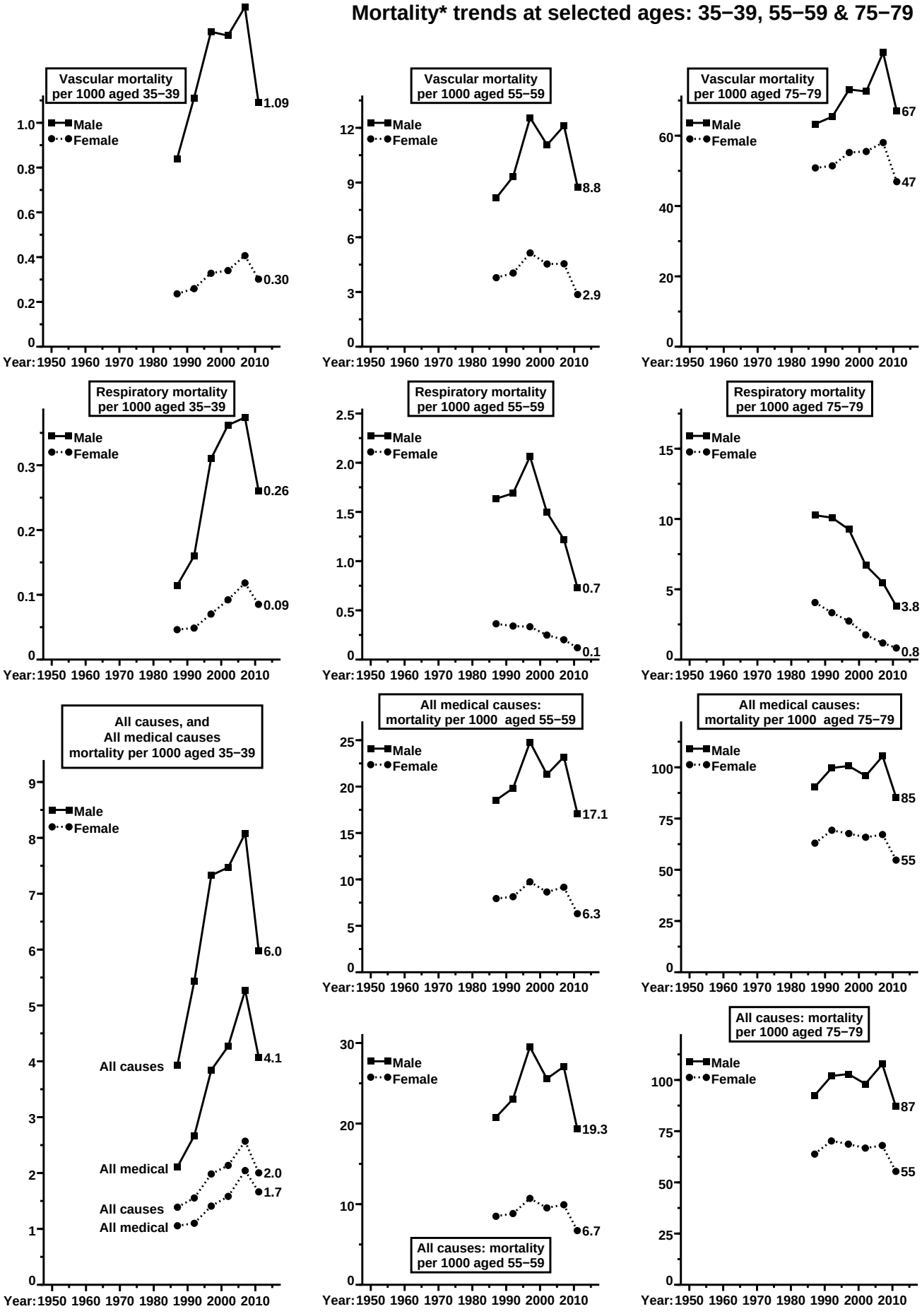
Mortality* trends at selected ages: 35−39, 55−59 & 75−79



*** Annual mortality per 1000: averages of years available in 1985−89,....,2005−09; then 3−year average 2010−12**

1985-2012: UKRAINE

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 3−year average 2010−12**