

MORTALITY FROM SMOKING IN DEVELOPED COUNTRIES 1950–2020

(see also www.deathsfromsmoking.net)

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EU13recent

**(European Union – 13 countries
that joined the EU in 2004*, 2007 and 2013**)**

Raw data (pages 22–23)

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*Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Slovakia, Slovenia

**Bulgaria, Romania and Croatia

EU13 recent (European Union - 13 countries*): 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	627093	22031	270791	1086.0	86.8	1317.2	156.1	18.1	20.9	60.4	100.8	109.3	141.8	
	F	581960	9241	125083	602.5	41.4	537.8	129.4	13.9	14.9	25.0	28.0	32.6	46.2	
Tuberculosis	M	2395	122	1823	4.3	0.4	7.9	0.2	–	–	0.0	0.4	0.5	1.8	
	F	555	44	271	0.8	0.2	1.1	0.1	–	0.0	0.1	0.2	0.3	0.4	
Other infective and parasitic	M	3227	379	1518	5.8	1.6	7.2	4.3	0.3	0.3	0.6	1.8	1.4	2.2	
	F	2979	215	829	3.5	1.0	3.5	3.2	0.5	0.4	0.3	1.0	0.8	0.7	
ALL CANCER	M	152657	1603	79191	264.2	6.2	395.9	3.8	3.7	3.6	4.7	6.7	8.7	12.1	
	F	115915	1339	50926	141.4	5.3	215.2	3.6	2.4	2.3	3.6	3.9	7.1	14.0	
Mouth and pharynx cancer	M	6971	27	5595	12.3	0.1	25.6	–	–	–	0.1	0.1	0.1	0.4	
	F	1509	10	860	2.0	0.0	3.5	0.0	–	–	–	0.0	0.1	0.1	
Oesophagus cancer	M	3500	5	2468	6.1	0.0	11.8	–	–	–	–	–	0.1	0.1	
	F	764	1	376	0.9	–	1.6	–	–	–	–	–	0.0	–	
Stomach cancer	M	10395	53	4990	17.9	0.2	25.0	0.0	0.1	–	–	0.1	0.4	0.6	
	F	6156	48	2133	7.0	0.2	9.2	–	–	–	0.0	0.2	0.3	0.7	
Colorectal cancer	M	19203	82	8322	33.0	0.3	43.4	–	–	–	0.1	0.2	0.5	1.2	
	F	15159	53	5065	17.0	0.2	22.0	–	–	–	0.0	0.1	0.5	0.7	
Liver cancer	M	5017	34	2714	8.7	0.1	13.6	0.2	0.1	–	0.0	0.2	0.2	0.2	
	F	3060	25	1055	3.5	0.1	4.6	0.1	–	–	0.1	0.1	0.2	0.2	
Pancreas cancer	M	7740	21	4411	13.5	0.1	22.1	–	–	–	0.0	–	0.1	0.4	
	F	7141	11	2649	8.3	0.0	11.5	–	–	–	0.0	–	0.0	0.2	
Larynx cancer	M	4005	3	2858	7.0	0.0	13.6	–	–	–	–	–	0.0	0.1	
	F	395	1	238	0.5	–	1.0	–	–	–	–	0.0	–	–	
Lung cancer	M	43723	73	25899	75.9	0.2	129.7	0.0	–	–	0.1	0.2	0.4	1.0	
	F	15269	43	8515	19.6	0.1	35.8	–	–	–	0.1	0.1	0.2	0.7	
Malignant melanoma	M	1762	51	954	3.1	0.2	4.5	–	–	–	0.0	0.1	0.4	0.6	
	F	1481	39	660	1.9	0.1	2.7	0.0	–	–	–	0.1	0.4	0.5	
Female breast cancer	F	16793	121	8567	21.4	0.4	35.6	–	–	–	–	0.0	0.4	2.5	
Cervix cancer	F	5411	113	3636	7.8	0.4	14.6	–	–	–	–	0.1	0.6	2.0	
Other uterine cancer	F	3933	14	1752	4.8	0.1	7.6	–	–	–	0.0	0.0	0.1	0.2	
Ovarian cancer	F	6713	50	3722	8.8	0.2	15.6	–	–	0.0	0.0	0.1	0.2	0.8	
Prostate cancer	M	12245	1	2760	20.7	–	15.7	–	–	–	–	–	–	0.0	
Bladder cancer	M	6264	4	2251	10.7	0.0	12.0	–	–	–	–	–	–	0.1	
	F	1900	–	534	2.0	–	2.3	–	–	–	–	–	–	–	
Other and ill-defined cancer sites	M	23609	792	12296	41.1	3.1	60.5	2.2	2.5	2.0	2.8	3.5	4.0	4.9	
	F	22853	496	8559	27.0	2.1	36.5	2.1	1.6	1.5	2.0	1.8	2.4	3.2	
Hodgkin's disease	M	323	63	175	0.6	0.2	0.8	–	–	0.0	0.1	0.4	0.5	0.6	
	F	230	51	90	0.3	0.2	0.4	–	–	–	0.1	0.3	0.5	0.4	
Myeloma and non-Hodgkin lymphomas	M	3845	116	1829	6.7	0.4	9.1	0.1	0.3	0.3	0.2	0.4	0.8	0.8	
	F	3739	108	1347	4.4	0.4	5.9	0.2	0.1	0.1	0.4	0.5	0.7	1.0	
Leukaemia	M	4055	278	1669	7.1	1.1	8.5	1.1	0.8	1.3	1.2	1.4	1.2	1.1	
	F	3409	155	1168	4.1	0.7	5.0	1.1	0.7	0.6	0.7	0.5	0.5	0.7	
Diabetes	M	8197	74	3520	14.1	0.3	17.8	0.0	0.0	0.0	0.1	0.1	0.4	1.1	
	F	10807	36	2273	11.1	0.1	10.2	–	0.0	0.1	0.1	0.1	0.2	0.4	
ALL VASCULAR DISEASE	M	295371	1675	98112	503.7	6.0	494.6	3.2	0.6	1.0	2.8	5.2	9.6	19.6	
	F	343547	744	40580	319.2	3.0	181.5	3.6	0.6	0.9	1.7	2.8	4.3	6.8	
Rheumatic heart disease and fever	M	802	16	327	1.4	0.1	1.6	0.1	–	0.1	–	–	0.1	0.2	
	F	1366	4	337	1.4	0.0	1.5	–	–	0.0	0.1	–	–	0.0	
Hypertensive disease	M	22773	40	6561	38.7	0.1	33.8	–	–	–	–	0.1	0.2	0.7	
	F	32836	19	3733	30.4	0.1	16.9	0.1	–	–	0.0	0.1	0.1	0.2	
Ischaemic heart disease	M	114178	347	41846	195.2	1.2	210.2	–	–	–	0.1	1.0	1.8	5.3	
	F	117420	79	13881	108.7	0.3	62.4	–	–	–	0.1	0.2	0.5	1.2	
Pulmonary embolism and other venous	M	4619	71	2120	8.0	0.2	10.5	–	–	–	0.1	0.3	0.5	0.9	
	F	5256	46	1365	5.6	0.2	5.9	–	–	–	0.2	0.1	0.4	0.5	
Cerebrovascular disease	M	70095	283	20650	119.1	1.0	107.3	0.6	0.1	0.2	0.5	0.9	1.6	3.2	
	F	90539	189	11505	85.5	0.7	51.8	0.3	0.1	0.3	0.2	0.8	1.5	1.8	
Other vascular disease	M	82904	918	26608	141.4	3.4	131.2	2.5	0.5	0.7	2.1	3.1	5.3	9.4	
	F	96130	407	9759	87.5	1.7	43.0	3.3	0.5	0.6	1.1	1.5	1.8	3.1	
Chronic obstructive pulmonary disease	M	16549	67	5114	28.1	0.2	26.9	0.2	0.1	0.1	0.2	0.2	0.4	0.6	
	F	9082	36	2027	9.3	0.1	8.9	0.1	0.0	0.1	0.1	0.2	0.1	0.3	
Other respiratory disease	M	18163	1140	6838	31.9	5.0	32.8	19.4	2.0	1.3	2.3	2.4	3.5	4.3	
	F	14299	805	2620	15.5	3.9	11.1	17.6	1.4	1.3	1.3	1.9	1.8	1.9	
Peptic ulcer	M	2490	29	1289	4.3	0.1	6.1	–	–	–	–	0.1	0.1	0.4	
	F	2022	14	454	2.1	0.1	1.9	–	–	0.0	0.0	0.0	0.1	0.2	
Liver cirrhosis	M	20525	426	16351	36.4	1.4	74.2	0.0	–	–	0.1	0.9	2.3	6.7	
	F	9335	128	6344	13.2	0.5	26.0	–	–	–	0.1	0.2	0.8	2.1	
Renal disease	M	5941	86	1882	10.1	0.3	9.5	0.5	0.1	0.1	0.1	0.3	0.5	0.7	
	F	6565	65	1337	6.7	0.3	5.9	0.2	0.2	0.1	0.3	0.2	0.4	0.4	
Pregnancy, birth	F	95	65	30	0.2	0.2	0.1	–	–	–	0.2	0.2	0.6	0.6	
Congenital and perinatal causes	M	3250	3039	182	8.8	15.2	0.8	100.3	1.4	0.7	1.3	0.9	0.9	0.7	
	F	2578	2381	164	7.3	12.5	0.7	82.2	1.5	0.9	1.3	0.7	0.8	0.3	
Ill-defined causes	M	19248	1229	10556	33.8	4.6	47.1	5.8	0.5	0.5	1.8	5.5	7.3	10.7	
	F	17088	406	3003	16.9	1.7	12.4	3.8	0.5	0.2	1.2	1.6	2.1	2.5	
Other medical causes	M	28726	1474	13305	50.1	5.9	62.8	8.2	2.8	3.4	5.1	5.3	6.7	9.8	
	F	29777	806	7452	32.3	3.5	31.8	6.3	2.8	2.6	2.8	2.9	3.4	4.2	
ALL NON-MEDICAL CAUSES	M	50354	10688	31110	90.3	39.5	133.8	10.1	6.6	9.8	41.4	70.7	66.9	71.1	
	F	17316	2157	6773	23.1	9.1	27.6	8.8	3.9	5.8	12.0	11.9	9.8	11.2	
Road traffic accidents	M	7879	2982	4035	14.3	11.1	17.2	1.7	1.9	2.8	14.8	23.3	18.1	15.4	
	F	2386	709	1030	3.8	3.0	4.2	1.7	1.4	2.3	5.1	4.6	3.1	2.7	
Fire	M	1142	130	766	2.0	0.5	3.4	0.4	0.3	0.1	0.3	0.5	0.8	1.1	
	F	498	47	185	0.7	0.2	0.8	0.6	0.1	0.0	0.2	0.2	0.1	0.2	
Suicide	M	14597	3075	9655	26.1	11.0	40.9	–	–	1.1	11.0	21.3	20.8	22.9	
	F	2982	420	1854	4.6	1.6	7.5	–	–	0.6	3.0	2.3	2.3	3.3	
POPULATION:			M=male		51654	23862	23563	2830	2594	2778	3322	3904	4121	4312	
(1000s; UN, 2015 revision)			F=female		55198	22747	25107	2684	2461	2636	3165	3714	3928	4159	

*Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Slovakia and Slovenia, who joined the EU in 2004, Bulgaria and Romania who joined in 2007, and Croatia who joined in 2013

2010: EU13 recent (European Union - 13 countries)
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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		
219.2	377.1	636.6	1033.6	1547.8	2228.0	3178.4	4648.0	6987.9	13631.0	M	ALL CAUSES 001-999/A00-Y89
82.4	142.8	244.9	396.6	592.9	903.9	1400.8	2320.7	4243.9	11448.7	F	
3.4	6.2	8.0	9.6	10.1	9.5	8.5	9.3	10.8	12.3	M	Tuberculosis 010-018, 137/
0.7	0.8	1.5	1.1	1.1	1.0	1.5	1.6	3.2	5.0	F	A15-A19, B90
2.9	2.9	4.9	5.7	7.9	10.8	15.1	21.1	30.7	47.4	M	Other infective Rest of 001-139,279.5&6/
1.1	1.1	1.6	2.6	3.3	6.2	8.8	14.0	22.1	42.3	F	and parasitic rest of A00-B99 excl A33,A34
22.4	54.4	127.0	275.7	492.1	747.5	1052.3	1413.0	1729.5	2080.5	M	ALL CANCER 140-208/C00-C97
29.9	55.3	106.0	181.4	267.3	375.4	491.0	640.0	832.2	1123.0	F	
1.3	5.6	14.6	30.2	42.6	42.2	42.6	36.7	29.0	28.1	M	Mouth and 140-149/C00-C14
0.4	1.2	2.2	4.1	5.5	6.0	5.0	5.5	7.9	12.6	F	pharynx cancer
0.6	1.3	4.8	11.0	17.5	22.5	25.1	26.8	22.6	22.5	M	Oesophagus cancer 150/C15
0.1	0.2	0.7	1.5	2.4	2.8	3.4	3.7	5.6	6.6	F	
1.5	4.4	8.7	17.6	29.4	45.6	67.8	104.1	128.9	156.5	M	Stomach cancer 151/C16
1.5	2.5	4.8	6.7	9.5	15.2	24.1	34.2	52.8	75.2	F	
1.8	5.2	10.2	22.1	45.7	83.0	135.8	192.8	265.4	334.9	M	Colorectal cancer 153, 154/C18-C21
2.5	3.7	6.8	14.8	24.8	39.9	61.5	87.5	130.1	191.7	F	
0.8	1.9	4.7	9.6	16.0	25.3	37.3	52.3	54.7	54.5	M	Liver cancer 155.0/C22 excl C221
0.3	0.8	1.5	3.0	5.5	8.3	12.5	19.5	26.3	35.0	F	
1.1	3.7	7.1	16.0	27.6	39.0	59.9	69.8	78.0	90.7	M	Pancreas cancer 157/C25
0.8	1.5	4.3	7.3	12.5	21.9	32.5	47.4	59.2	76.2	F	
0.3	1.4	5.3	13.2	21.1	25.7	28.3	29.2	27.1	23.8	M	Larynx cancer 161/C32
0.1	0.2	0.4	1.2	1.5	1.7	1.8	2.6	2.0	1.8	F	
2.8	11.1	33.1	89.2	169.4	262.4	339.8	426.5	445.5	381.3	M	Lung cancer 162/C33, C34
1.6	4.5	13.1	32.1	50.1	70.3	78.5	83.7	92.4	98.2	F	
1.1	2.0	2.4	3.4	5.5	7.3	10.1	13.8	17.9	23.8	M	Malignant melanoma 172/C43
1.1	1.3	1.6	2.7	3.3	3.9	5.2	7.3	9.7	14.8	F	
5.9	12.3	22.3	35.2	46.4	57.2	69.7	83.7	101.7	144.4	F	Female breast cancer 174/C50
5.3	9.0	14.6	17.5	19.1	19.0	17.6	20.9	22.3	24.6	F	Cervix cancer 180/C53
0.5	1.6	3.1	4.6	9.3	13.6	20.3	24.8	28.1	35.4	F	Other uterine cancer 179, 182/C54, C55
2.2	4.9	9.4	14.9	19.7	25.6	32.1	37.5	41.1	41.7	F	Ovarian cancer 183/C56, C570-C574
0.1	0.1	1.0	3.6	11.3	30.2	63.4	119.7	213.8	387.2	M	Prostate cancer 185/C61
0.1	0.8	2.1	4.8	12.6	23.9	39.4	65.8	92.8	138.9	M	Bladder cancer 188/C67
0.1	0.2	0.7	1.4	2.9	4.3	6.7	9.2	15.6	30.6	F	
8.1	12.9	26.0	43.8	72.5	109.2	150.7	199.2	250.9	318.3	M	Other and ill-defined Rest of 140-199/
5.6	8.9	16.0	27.5	42.8	65.8	88.9	125.2	176.5	260.3	F	cancer sites rest of C00-C80, C97
0.5	0.3	0.8	0.8	0.7	1.0	1.6	1.4	2.7	2.2	M	Hodgkin's disease 201/C81
0.2	0.2	0.4	0.2	0.4	0.6	0.7	1.0	1.2	1.4	F	
1.3	2.1	3.1	5.6	11.2	15.8	24.9	37.5	47.3	53.1	M	Myeloma and non- 200, 202-203/
0.8	1.1	1.9	3.2	6.1	10.8	17.5	25.4	33.2	35.0	F	Hodgkin lymphomas C82-C90, C96
1.1	1.7	3.2	4.8	9.1	14.2	25.7	37.4	52.8	64.6	M	Leukaemia 204-208/C91-C95
1.1	1.2	2.2	3.5	5.4	8.6	13.1	20.9	26.8	37.3	F	
1.9	3.3	6.7	11.6	19.2	31.6	50.4	70.7	109.8	163.0	M	Diabetes 250/E10-E14
0.7	1.0	2.2	4.6	9.5	19.2	34.0	59.7	102.2	183.3	F	
41.5	96.3	186.3	334.7	542.6	874.7	1386.1	2275.1	3872.2	8858.3	M	ALL VASCULAR 390-459/I00-I99
13.2	29.3	51.9	95.4	163.9	310.4	606.1	1220.8	2640.6	8267.1	F	DISEASE
0.2	0.3	0.9	1.2	1.5	2.6	4.8	7.8	9.9	16.4	M	Rheumatic heart 390-398/I00-I09
0.1	0.4	0.4	0.5	1.4	2.6	5.3	8.5	12.7	20.5	F	disease and fever
1.6	4.3	10.6	20.5	36.6	60.0	102.8	194.2	322.7	720.8	M	Hypertensive disease 401-405/I10-I15
0.5	1.7	3.5	7.6	14.9	29.1	61.3	127.4	274.0	768.7	F	
14.4	38.1	78.8	147.2	237.4	378.3	577.4	886.8	1431.6	3181.4	M	Ischaemic heart 410-414/I20-I25
2.8	7.7	14.8	31.2	56.9	108.9	214.4	421.1	881.4	2846.1	F	disease
1.6	2.9	4.8	6.9	11.4	19.1	26.6	35.1	56.3	90.9	M	Pulmonary embolism 415.1, 451-453/
1.2	1.9	3.1	3.9	5.6	10.1	15.3	23.7	43.9	88.3	F	and other venous 126, 180-182
7.1	16.7	30.6	60.0	107.4	191.8	337.4	603.1	1053.0	2093.7	M	Cerebrovascular 430-438/I60-I69
4.2	8.2	14.9	26.7	43.6	86.0	178.7	369.9	792.0	2017.7	F	disease
16.7	34.0	60.7	98.9	148.2	222.9	337.0	548.0	998.8	2755.1	M	Other vascular Rest of 390-459/
4.3	9.5	15.2	25.6	41.6	73.6	131.2	270.3	636.6	2525.8	F	disease rest of I00-I99
1.0	2.8	6.0	14.0	27.7	49.2	87.2	149.1	260.2	451.8	M	Chronic obstructive 490-496/
0.6	1.1	2.1	5.0	9.7	17.8	25.8	44.9	73.3	165.2	F	pulmonary disease J40-J47, J67
8.4	11.9	18.4	26.1	37.3	52.5	75.0	113.0	193.9	477.8	M	Other respiratory Rest of 460-519/
3.2	4.3	5.7	8.7	12.6	16.9	26.5	48.0	92.6	295.4	F	disease rest of J00-J98
1.1	1.5	3.5	6.0	7.6	10.8	12.1	17.1	25.9	45.2	M	Peptic ulcer 531-533/K25-K27
0.2	0.5	0.9	1.7	2.2	3.5	4.6	7.6	14.7	40.2	F	
16.3	31.9	55.5	81.5	103.3	111.6	119.1	106.6	88.1	63.1	M	Liver cirrhosis 571/K70, K74
5.0	9.9	17.2	28.4	36.5	39.7	45.3	44.9	40.4	31.9	F	
1.5	1.6	3.6	5.8	10.0	17.9	26.1	44.9	85.1	174.8	M	Renal disease 580-590/N00-N19
1.1	1.3	1.9	3.3	5.6	9.6	18.5	32.0	54.3	122.3	F	
0.5	0.2	0.0	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34, O00-O99
0.8	1.0	0.6	0.8	0.9	0.6	0.7	0.6	0.4	1.1	M	Congenital and 740-779/A33,
0.4	0.6	1.0	0.5	0.8	0.5	0.7	0.5	0.7	0.2	F	perinatal causes P00-P96, Q00-Q99
15.5	25.2	38.8	51.9	62.9	69.3	66.0	78.1	107.5	395.0	M	Ill-defined causes 780-799/R00-R99
4.6	6.3	8.7	11.4	14.7	19.9	20.9	32.4	62.1	445.8	F	
16.3	26.7	40.5	55.9	72.0	95.8	132.3	192.3	301.9	559.7	M	Other medical causes Rest of 001-799/
6.5	11.1	17.1	24.2	34.8	51.9	76.8	123.8	227.2	518.4	F	rest of A00-R99
86.4	111.4	136.8	154.3	154.2	146.3	147.4	157.2	172.0	301.1	M	ALL NON- E800-E999/V01-Y89
14.6	20.1	26.9	28.2	30.9	31.8	40.4	50.4	78.3	208.5	F	MEDICAL CAUSES
14.4	15.7	17.6	19.4	18.0	16.8	18.8	18.8	20.7	22.3	M	Road traffic E810-E819, E826-E829/
2.6	3.7	4.3	3.8	4.6	3.9	6.7	7.8	9.7	9.1	F	accidents part of V01-V99, Y850
1.2	2.2	2.9	4.4	4.2	4.2	4.2	3.5	6.2	8.8	M	Fire E890-E899/X00-X09
0.4	0.5	0.8	0.7	0.8	0.9	1.3	2.0	3.1	5.7	F	
29.3	37.0	44.2	47.6	49.5	40.0	39.0	39.3	38.8	57.0	M	Suicide E950-E959/X60-X84
4.2	5.7	7.9	8.4	8.2	8.3	9.7	8.3	9.4	11.1	F	
3991	3653	3409	3861	3704	2930	2015	1727	1311	1191	M	POPULATION
3876	3581	3431	4047	4083	3458	2631	2582	2187	2576	F	(1000s; UN, 2015 revision)

EU13 recent (European Union - 13 countries): 2010
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Relative importance of deaths in MIDDLE age (35–69) in the year 2010

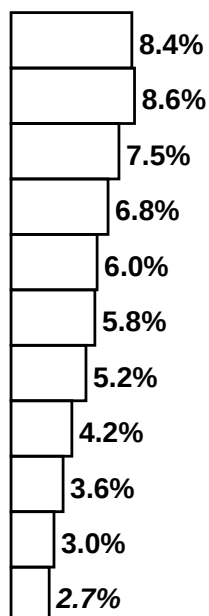
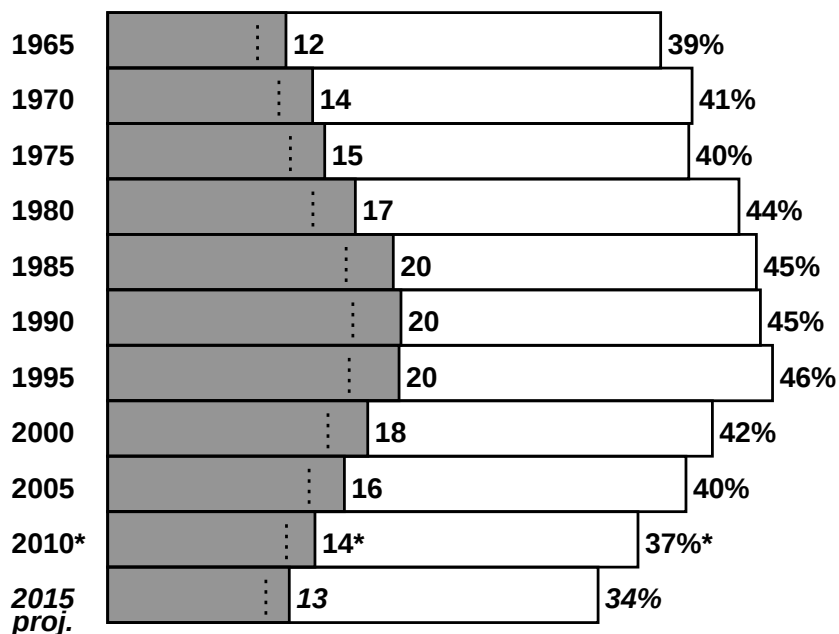
Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 22	– / 9.2	–
35–69	106 / 271	23 / 125	22 years
70+	74 / 334	32 / 448	8 years
All ages	180 / 627	55 / 582	16 years

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	–/0.1	24/26	16/18	40/44	–/0.0	6.4/8.5	4.3/6.7	11/15
All Cancer	–/1.6	39/79 (50%)	24/72 (34%)	64/153	–/1.3	8.1/51 (16%)	5.6/64 (9%)	14/116
Vascular	–/1.7	47/98	36/196	83/295	–/0.7	10/41	20/302	30/344
Respiratory	–/1.2	7.6/12	10/22	18/35	–/0.8	2.0/4.6	4.4/18	6.5/23
All Other	–/18	12/82	3.8/45	16/144	–/6.3	2.8/29	2.2/64	4.9/99
All Causes	–/22	106/271 (39%)	74/334 (22%)	180/627	–/9.2	23/125 (19%)	32/448 (7%)	55/582

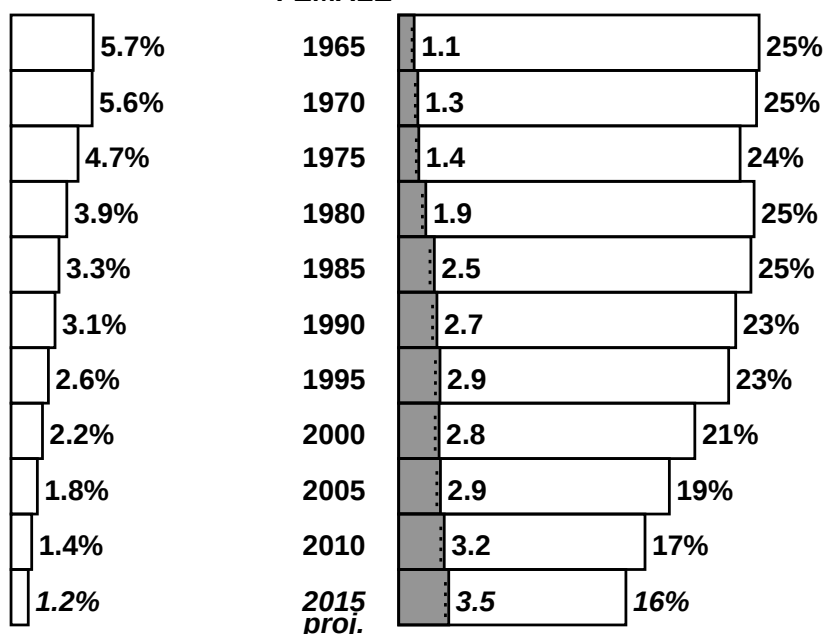
**Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the year 2010**

Cause	Male	Female	Male + Female
All Cancer	64 / 153 (42%)	14 / 116 (12%)	77 / 269 (29%)
All Causes	180 / 627 (29%)	55 / 582 (10%)	236 / 1209 (19%)

1965-2015: EU13 recent (European Union - 13 countries)
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, 37 would die before age 70 (with 14 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


EU13 recent (European Union - 13 countries): 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	– / 18	– / 7.2	–
35–69	99 / 267	27 / 124	22 years
70+	73 / 326	35 / 441	8 years
All ages	172 / 611	63 / 572	15 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	–/69	63/194 (32%)	24/168 (14%)	87/431	–/45	5.8/138 (4%)	4.3/224 (2%)	10/407
1975	–/67	87/236 (37%)	50/241 (21%)	137/544	–/39	8.5/146 (6%)	8.5/308 (3%)	17/494
1985	–/55	125/278 (45%)	63/320 (20%)	187/653	–/29	15/150 (10%)	14/410 (3%)	29/590
1995	–/41	148/340 (44%)	63/298 (21%)	211/679	–/19	21/166 (12%)	22/410 (5%)	43/595
2005	–/27	117/287 (41%)	74/325 (23%)	191/639	–/12	21/134 (16%)	28/433 (7%)	49/579
2015 proj.	–/18	99/267 (37%)	73/326 (22%)	172/611	–/7.2	27/124 (22%)	35/441 (8%)	63/572

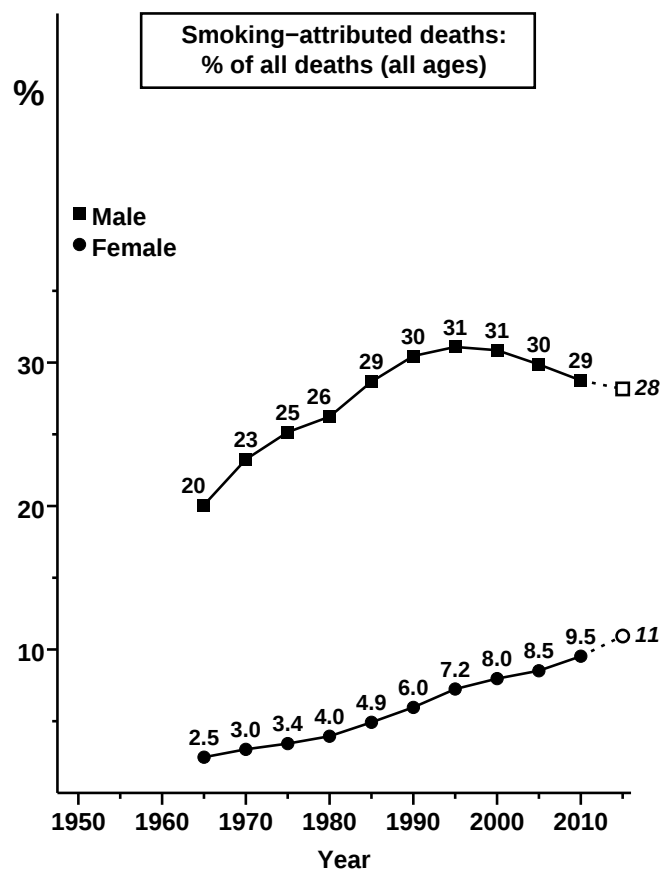
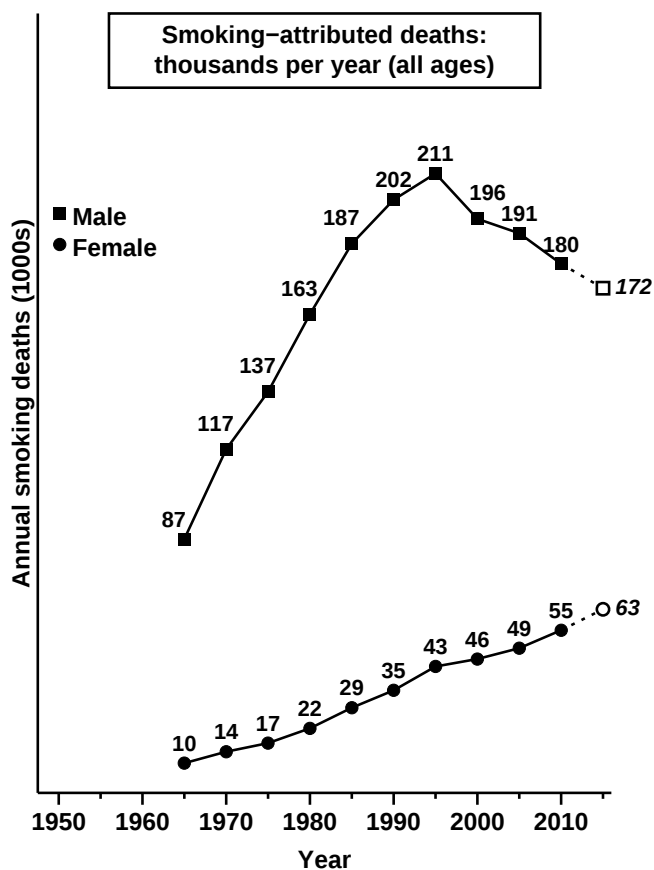
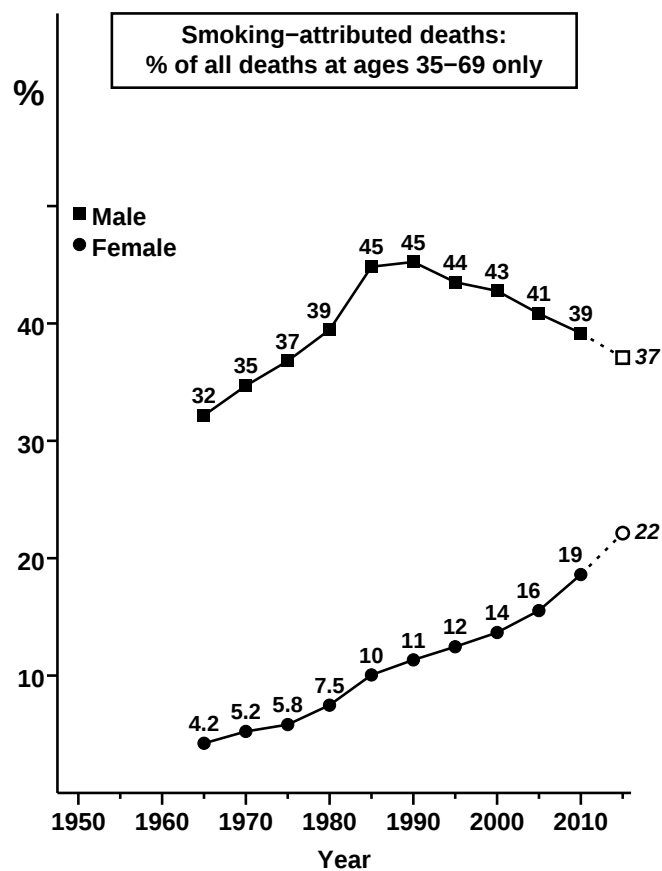
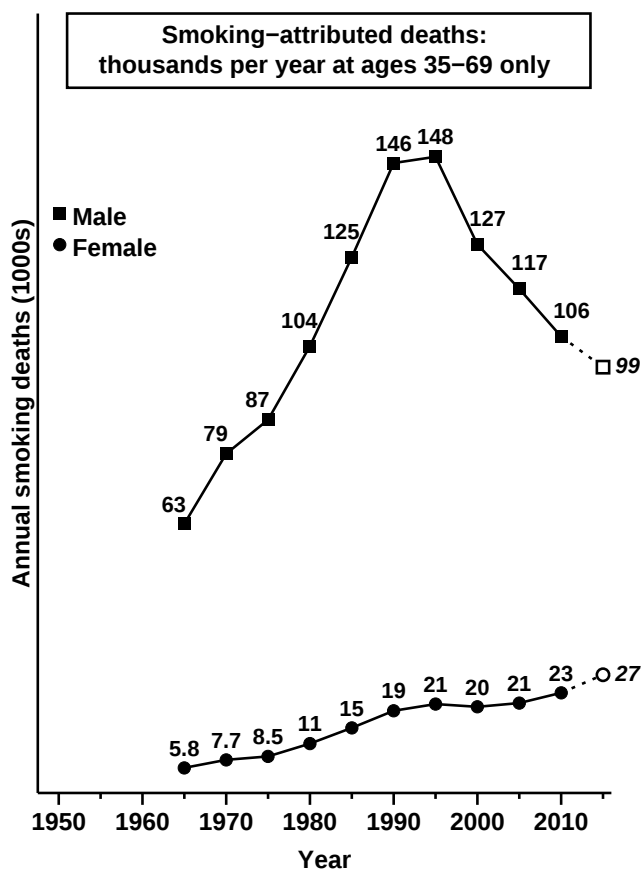
60–year total (m=millions), decade of 1960s to decade of 2010s (1960–2020*): 12 / 68M

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

1960–2020, by age & sex:

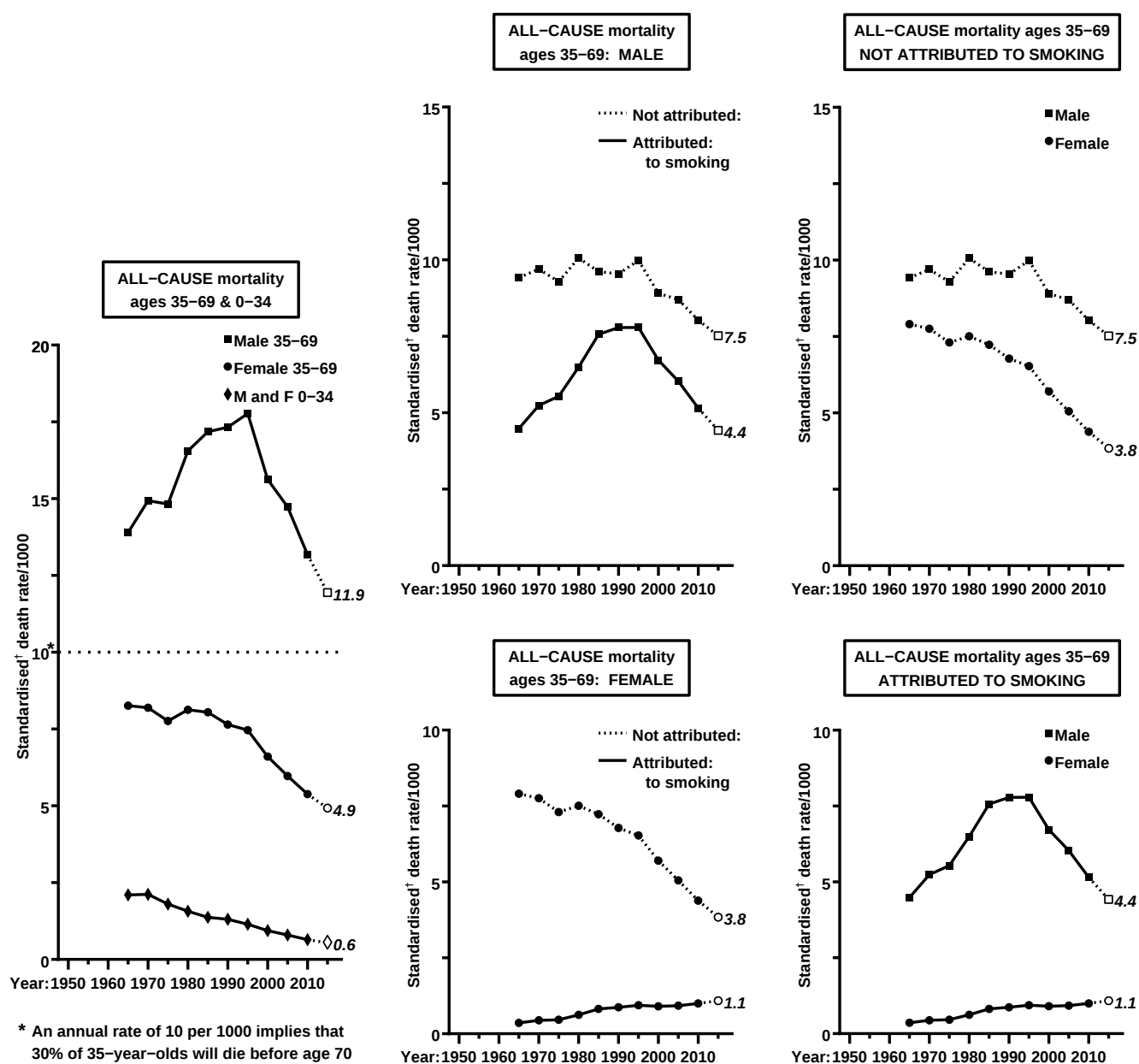
–/2.8M	6.4/16M (40%)	3.5/17M (21%)	9.8/36M	–/1.5M	1.0/8.6M (11%)	1.1/22M (5%)	2.1/32M
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1965-2015: EU13 recent (European Union - 13 countries)



EU13 recent (European Union - 13 countries): 1965-2015

ALL-CAUSE mortality rates attributed and not attributed to smoking



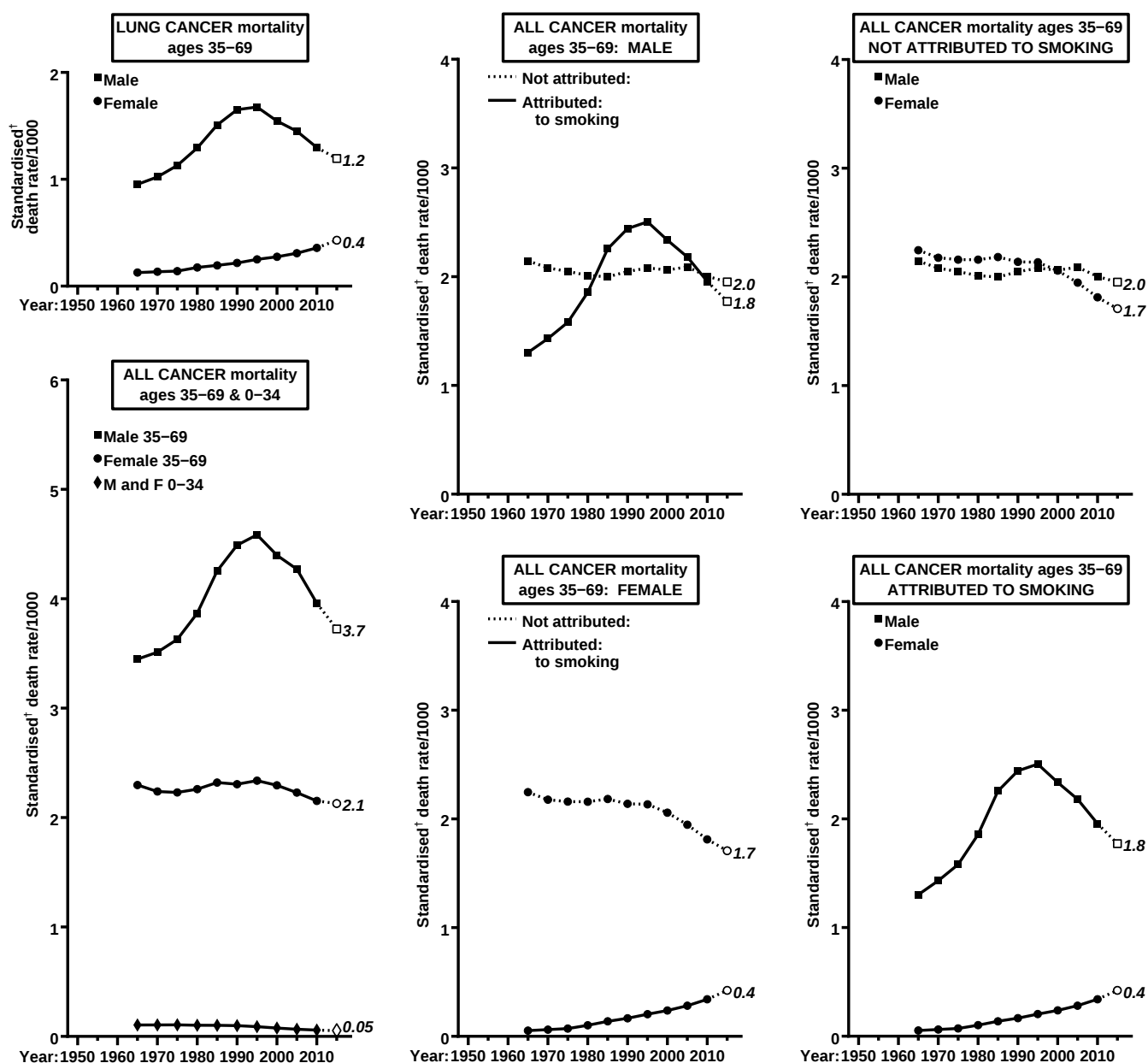
[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	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	-	2.51		4.48	9.42	12.3	66.9	-	1.68	0.35	7.90	1.30	58.2	
1970	-	2.57		5.24	9.70	16.4	65.7	-	1.66	0.44	7.75	1.57	56.9	
1975	-	2.23		5.54	9.29	17.7	62.9	-	1.37	0.46	7.30	1.73	53.6	
1980	-	2.00		6.49	10.1	17.9	66.0	-	1.13	0.62	7.51	1.85	53.8	
1985	-	1.77		7.56	9.61	17.5	64.3	-	0.97	0.81	7.23	2.13	51.4	
1990	-	1.72		7.78	9.54	18.1	60.3	-	0.89	0.87	6.78	2.70	46.9	
1995	-	1.53		7.79	9.98	18.1	57.8	-	0.75	0.93	6.53	3.03	43.8	
2000	-	1.24		6.72	8.90	16.7	51.8	-	0.63	0.90	5.70	3.03	39.1	
2005	-	1.06		6.03	8.70	16.1	48.0	-	0.53	0.92	5.05	2.92	35.0	
2010	-	0.87		5.15	8.02	14.7	43.5	-	0.41	0.99	4.38	2.83	30.0	
2015	-	0.77		4.42	7.52	13.6	39.0	-	0.34	1.08	3.84	2.84	25.8	

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

1965-2015: EU13 recent (European Union - 13 countries)

ALL CANCER mortality rates attributed and not attributed to smoking

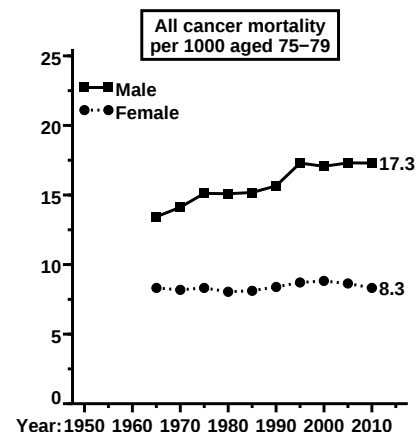
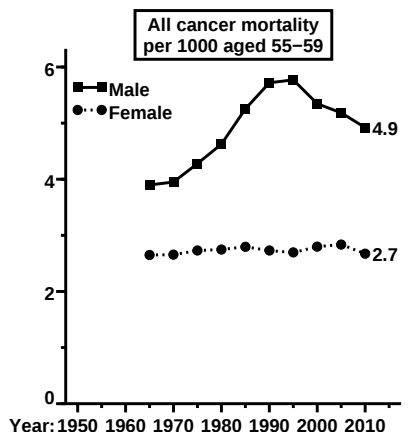
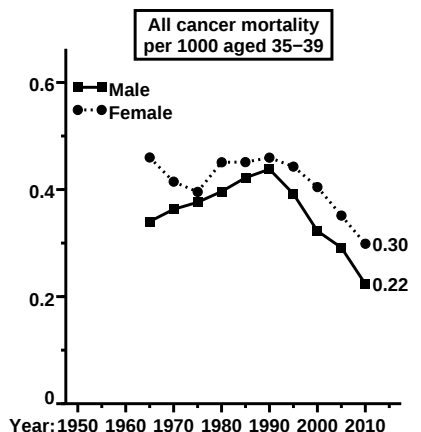
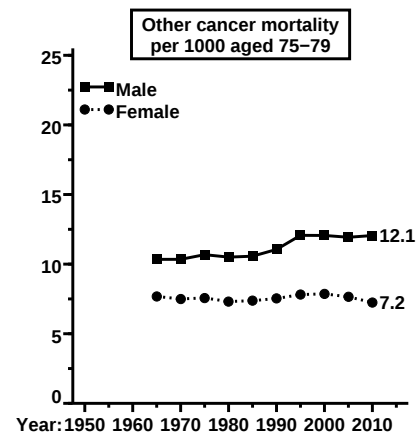
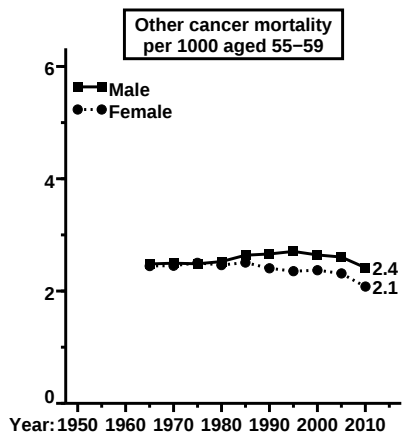
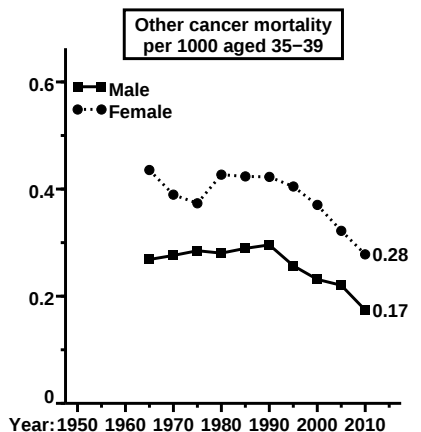
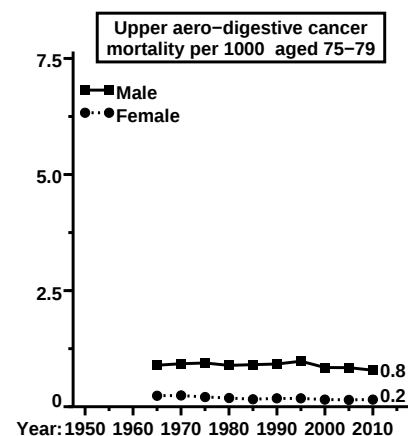
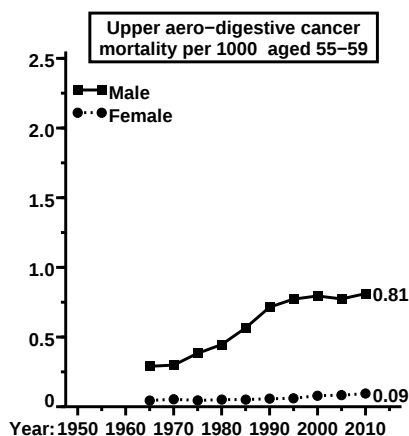
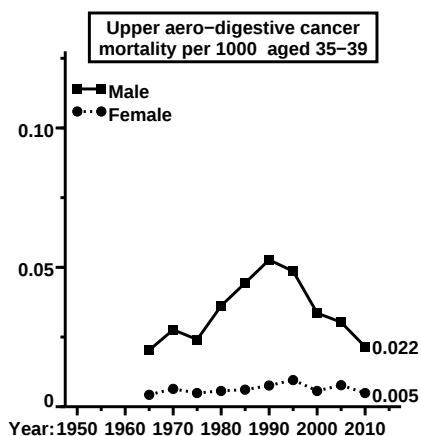
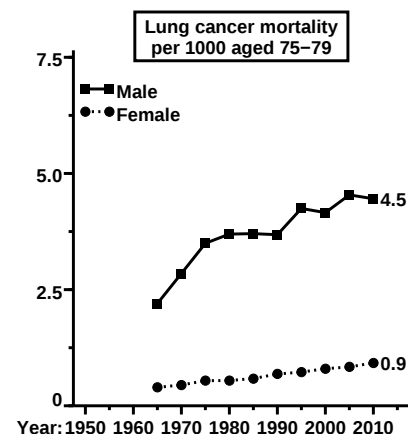
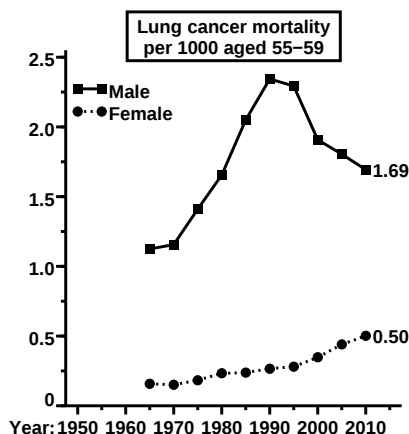
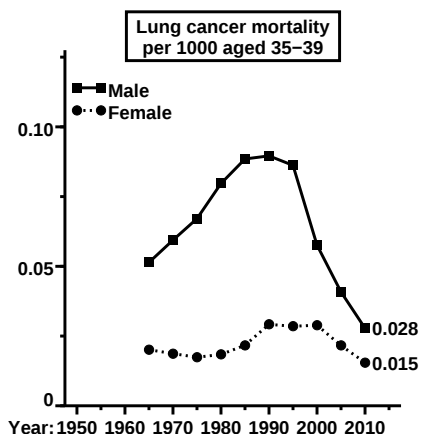


Year	MALE cancer mortality (annual rate/1000, by age)							FEMALE cancer mortality (annual rate/1000, by age)						
	Attributed to smoking?	0-34		35-69		70-79		0-34		35-69		70-79		
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950		...	...	...	...	...	...	...	...	...	...	...	...	
1955		...	...	...	...	...	...	...	...	...	...	...	...	
1960		...	...	...	...	...	...	...	...	...	...	...	...	
1965		-	0.11	1.30	2.15	3.12	9.72	-	0.10	0.05	2.25	0.15	7.53	
1970		-	0.11	1.43	2.08	3.98	9.21	-	0.10	0.06	2.18	0.18	7.26	
1975		-	0.11	1.58	2.05	4.50	9.40	-	0.10	0.07	2.16	0.21	7.20	
1980		-	0.11	1.86	2.01	4.61	9.22	-	0.10	0.10	2.16	0.24	6.93	
1985		-	0.11	2.26	2.00	4.64	9.39	-	0.09	0.14	2.18	0.30	7.01	
1990		-	0.10	2.44	2.05	5.17	9.55	-	0.09	0.17	2.14	0.42	7.20	
1995		-	0.09	2.50	2.08	5.59	9.95	-	0.08	0.20	2.13	0.52	7.20	
2000		-	0.08	2.34	2.06	5.73	9.95	-	0.07	0.24	2.06	0.60	7.20	
2005		-	0.07	2.18	2.09	5.88	9.80	-	0.06	0.28	1.95	0.64	7.00	
2010		-	0.06	1.96	2.00	5.74	9.97	-	0.05	0.34	1.81	0.72	6.64	
2015		-	0.06	1.77	1.95	5.69	9.77	-	0.05	0.42	1.71	0.84	6.41	

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

EU13 recent (European Union - 13 countries): 1965-2010

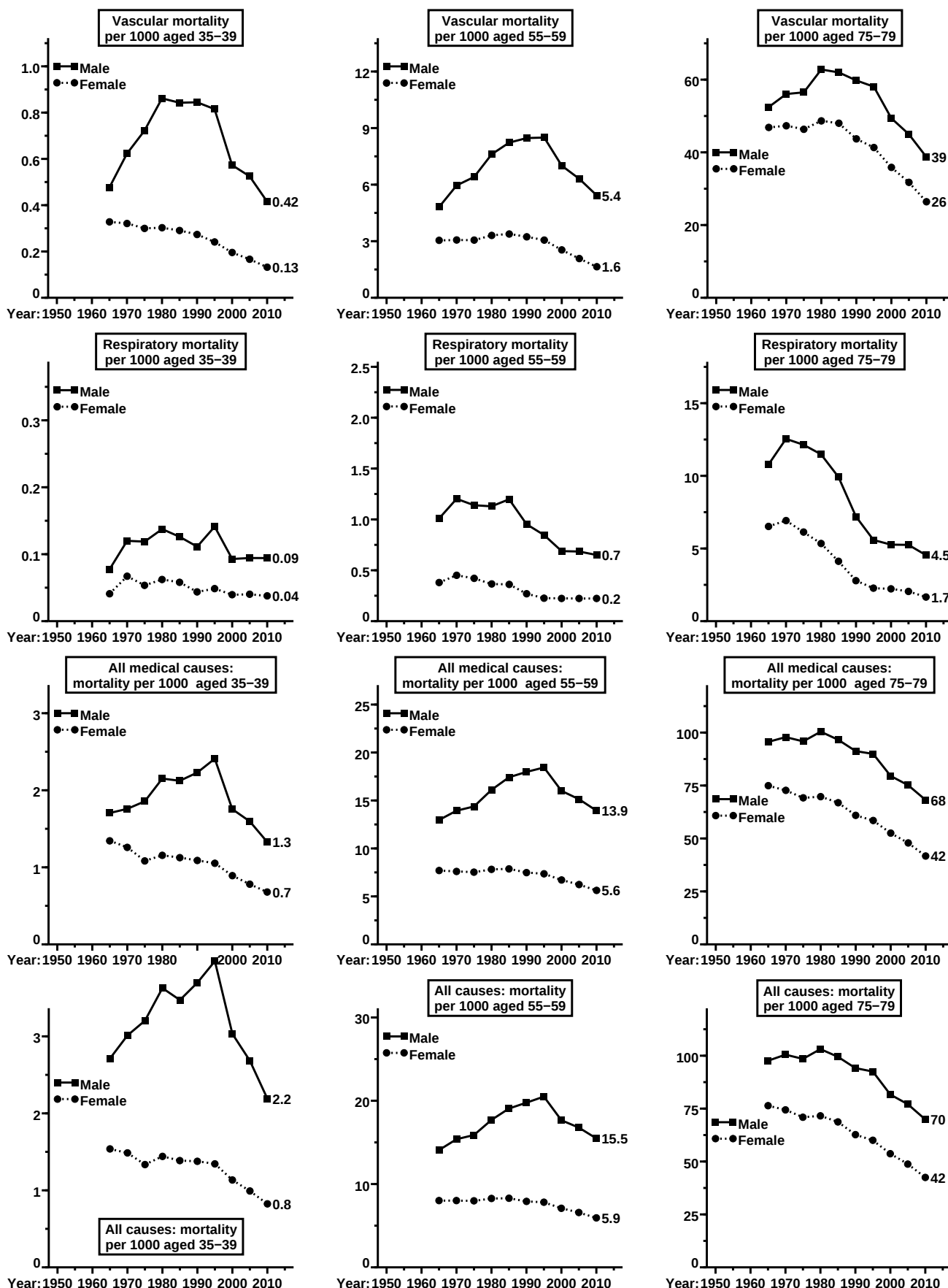
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000, 2005 and 2010

1965-2010: EU13 recent (European Union - 13 countries)

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



* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000, 2005 and 2010