

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

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

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## **Turkey**

**Raw data (pages 452–53)**

**Analyses (pages 454–55)**

**(revised September 2015)**

**TURKEY: 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
<b>ALL CAUSES</b>	<b>M</b> 210919	34334	83747	966.2	153.4	979.6	448.1	43.5	44.4	92.0	129.7	144.6	171.3
	<b>F</b> 171478	19994	45294	603.7	91.2	474.2	384.7	34.3	29.2	35.7	42.2	49.1	63.4
<b>Tuberculosis</b>	<b>M</b> 790	141	413	3.2	0.6	4.2	0.4	0.2	0.1	0.3	0.7	1.3	1.5
	<b>F</b> 347	68	119	1.2	0.3	1.2	0.3	0.2	0.2	0.2	0.3	0.5	0.5
<b>Other infective and parasitic</b>	<b>M</b> 94	37	55	0.3	0.2	0.4	0.1	0.0	-	-	0.1	0.3	0.6
	<b>F</b> 34	18	16	0.1	0.1	0.1	0.1	0.0	-	-	0.1	0.2	0.2
<b>ALL CANCER</b>	<b>M</b> 56036	3059	31526	258.1	13.9	375.3	4.3	7.2	7.3	12.5	15.4	19.9	30.9
	<b>F</b> 31863	2054	17081	113.9	9.5	166.1	3.8	5.6	5.3	6.5	8.5	13.0	23.4
<b>Mouth and pharynx cancer</b>	<b>M</b> 827	78	564	3.5	0.4	6.1	-	0.0	0.1	0.4	0.5	0.6	0.9
	<b>F</b> 376	39	217	1.3	0.2	2.0	-	0.0	0.1	0.3	0.2	0.2	0.5
<b>Oesophagus cancer</b>	<b>M</b> 565	29	312	2.6	0.1	3.6	-	-	-	0.1	0.2	0.2	0.5
	<b>F</b> 493	17	258	1.8	0.1	2.5	-	-	-	0.0	0.1	0.2	0.3
<b>Stomach cancer</b>	<b>M</b> 5589	184	3134	25.9	0.9	36.3	-	-	-	0.2	0.6	1.8	3.4
	<b>F</b> 2972	124	1387	10.7	0.6	13.8	-	-	-	0.1	0.4	1.0	2.5
<b>Colorectal cancer</b>	<b>M</b> 4222	200	2177	19.8	0.9	25.4	-	-	-	0.2	0.8	1.9	3.6
	<b>F</b> 3350	123	1540	12.1	0.6	15.6	-	-	-	0.2	0.5	1.1	2.2
<b>Liver cancer</b>	<b>M</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
	<b>F</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Pancreas cancer</b>	<b>M</b> 2538	27	1566	11.8	0.1	18.8	-	-	-	0.1	0.1	0.2	0.6
	<b>F</b> 1903	22	937	7.1	0.1	10.0	-	-	-	0.1	0.1	0.2	0.3
<b>Larynx cancer</b>	<b>M</b> 1224	18	713	5.8	0.1	8.4	-	-	-	0.1	0.1	0.1	0.3
	<b>F</b> 180	7	89	0.7	0.0	0.9	-	-	-	0.0	0.0	0.1	0.1
<b>Lung cancer</b>	<b>M</b> 21616	224	14076	100.3	1.1	170.5	-	-	-	0.5	1.1	1.4	4.4
	<b>F</b> 4068	91	2195	14.9	0.4	22.1	-	-	-	0.2	0.5	0.7	1.6
<b>Malignant melanoma</b>	<b>M</b> 242	15	122	1.1	0.1	1.4	-	-	-	0.0	0.1	0.1	0.2
	<b>F</b> 187	6	66	0.7	0.0	0.7	-	-	-	-	0.0	0.1	0.1
<b>Female breast cancer</b>	<b>F</b> 5096	261	3497	17.9	1.2	30.5	-	-	-	0.2	0.4	1.9	6.1
<b>Cervix cancer</b>	<b>F</b> 1051	39	685	3.8	0.2	6.3	-	-	-	0.1	0.1	0.2	0.8
<b>Other uterine cancer</b>	<b>F</b> 639	6	376	2.4	0.0	4.0	-	-	-	-	0.0	0.1	0.1
<b>Ovarian cancer</b>	<b>F</b> 1956	72	1317	7.1	0.3	12.8	-	-	-	0.3	0.4	0.6	1.1
<b>Prostate cancer</b>	<b>M</b> 3872	13	815	21.4	0.1	11.8	-	-	-	0.1	0.1	0.1	0.2
<b>Bladder cancer</b>	<b>M</b> 3070	17	1545	15.1	0.1	20.4	-	-	-	0.1	0.0	0.1	0.4
	<b>F</b> 622	10	240	2.3	0.1	2.6	-	-	-	0.0	0.1	0.1	0.1
<b>Other and ill-defined cancer sites</b>	<b>M</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Hodgkin's disease</b>	<b>M</b> 190	67	99	0.7	0.3	1.0	0.1	0.1	0.2	0.3	0.4	0.4	0.6
	<b>F</b> 117	40	53	0.4	0.2	0.5	0.0	0.0	0.2	0.2	0.3	0.3	0.3
<b>Myeloma and non-Hodgkin lymphomas</b>	<b>M</b> 2002	302	1114	8.4	1.4	12.5	0.1	0.8	0.8	1.5	1.8	2.2	2.5
	<b>F</b> 1527	144	739	5.4	0.7	7.4	0.1	0.3	0.5	0.6	0.9	1.2	1.0
<b>Leukaemia</b>	<b>M</b> 2536	939	942	9.4	4.2	10.1	2.6	3.5	3.6	5.0	5.2	4.4	5.0
	<b>F</b> 1679	491	660	5.4	2.2	6.2	2.1	2.2	2.2	2.4	2.1	2.2	2.4
<b>Diabetes</b>	<b>M</b> 5938	150	2389	29.9	0.7	30.5	0.6	0.1	0.2	0.4	0.6	1.2	1.7
	<b>F</b> 9083	105	2417	33.5	0.5	27.9	0.4	0.1	0.2	0.3	0.5	0.7	1.0
<b>ALL VASCULAR DISEASE</b>	<b>M</b> 67510	2581	28471	339.0	11.8	338.1	9.8	2.3	3.7	7.7	11.3	18.1	29.7
	<b>F</b> 70361	1250	14923	256.5	5.7	166.3	7.9	2.3	2.6	3.6	5.5	7.3	11.0
<b>Rheumatic heart disease and fever</b>	<b>M</b> 185	13	76	0.9	0.1	0.9	0.0	-	0.0	0.1	0.1	0.1	0.1
	<b>F</b> 577	19	106	2.1	0.1	1.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
<b>Hypertensive disease</b>	<b>M</b> 6031	159	1725	32.8	0.7	21.8	0.1	0.0	0.1	0.6	0.9	1.4	2.0
	<b>F</b> 10324	71	1396	37.6	0.3	16.2	0.1	0.0	0.1	0.3	0.4	0.6	0.8
<b>Ischaemic heart disease</b>	<b>M</b> 40482	1021	20216	198.2	4.7	237.9	0.7	0.1	0.2	2.4	4.0	8.8	17.0
	<b>F</b> 30957	303	6987	113.4	1.4	78.5	0.8	0.1	0.2	1.0	1.5	2.5	3.7
<b>Pulmonary embolism and other venous</b>	<b>M</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Cerebrovascular disease</b>	<b>M</b> 17284	718	4640	92.6	3.2	57.9	3.7	1.4	2.0	2.0	3.0	4.2	6.5
	<b>F</b> 25027	482	4968	91.0	2.2	55.0	2.6	1.3	1.2	1.3	2.1	2.6	4.4
<b>Other vascular disease, incl. venous</b>	<b>M</b> 2630	280	1168	12.2	1.3	13.1	1.7	0.3	0.4	0.8	1.4	1.9	2.4
	<b>F</b> 3842	209	1596	14.0	1.0	17.2	1.9	0.3	0.5	0.4	0.8	1.1	1.6
<b>Chronic obstructive pulmonary disease</b>	<b>M</b> 18700	291	5597	99.7	1.3	74.4	1.5	0.3	0.3	1.1	1.3	1.5	3.3
	<b>F</b> 11819	171	2293	43.2	0.8	26.4	0.6	0.2	0.2	0.7	1.0	1.2	1.6
<b>Other respiratory disease</b>	<b>M</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Peptic ulcer</b>	<b>M</b> 891	157	368	4.0	0.7	4.0	0.0	0.1	0.2	0.7	1.2	1.3	1.5
	<b>F</b> 627	57	165	2.2	0.3	1.6	0.0	0.1	0.1	0.3	0.3	0.4	0.5
<b>Liver cirrhosis</b>	<b>M</b> 2353	159	1426	10.5	0.7	15.6	0.3	0.3	0.3	0.4	0.8	1.1	1.9
	<b>F</b> 1586	76	665	5.8	0.3	7.1	0.2	0.2	0.2	0.3	0.4	0.5	0.7
<b>Renal disease</b>	<b>M</b> 4505	332	1679	22.3	1.5	20.3	1.7	0.6	0.6	1.2	1.5	2.0	2.9
	<b>F</b> 4240	218	1320	15.3	1.0	14.4	1.2	0.6	0.7	0.8	1.0	1.1	1.6
<b>Pregnancy, birth and congenital and perinatal causes</b>	<b>F</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Ill-defined causes</b>	<b>M</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Other medical causes</b>	<b>M</b> ...	...	...	...	...	...	...	...	...	...	...	...	...
<b>ALL NON-MEDICAL CAUSES</b>	<b>M</b> 18571	10767	6058	55.2	48.8	49.3	20.2	13.5	17.3	51.1	78.5	81.4	79.8
	<b>F</b> 5731	2557	1667	17.1	11.7	14.3	12.9	7.3	8.1	13.5	14.3	13.6	11.9
<b>Road traffic accidents</b>	<b>M</b> 6571	3753	2231	19.5	17.0	18.6	6.2	7.4	7.6	17.4	25.5	28.1	26.9
	<b>F</b> 1854	839	700	5.5	3.8	6.1	4.3	3.9	3.1	3.5	3.9	4.2	3.9
<b>Fire</b>	<b>M</b> 288	167	79	0.9	0.8	0.7	1.1	0.3	0.3	0.7	0.9	0.9	1.0
	<b>F</b> 148	55	29	0.5	0.2	0.3	0.8	0.3	0.2	0.1	0.1	0.2	0.1
<b>Suicide</b>	<b>M</b> 3291	1946	1169	9.4	8.9	9.2	-	-	2.1	10.5	16.6	16.0	17.0
	<b>F</b> 1043	618	306	2.8	2.8	2.4	-	-	1.9	5.4	5.1	4.2	3.2
<b>POPULATION:</b> (1000s; UN, 2015 revision)	<b>M=male</b>	35525	22427	11687	3276	3303	3330	3189	3186	3174	2969		
	<b>F=female</b>	36786	21937	12926	3139	3173	3213	3101	3136	3165	3009		

2010: TURKEY

**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			
220.5	305.8	447.1	682.4	1052.8	1641.8	2507.0	3865.8	6116.2	14342.5	M	ALL CAUSES	001–999/A00–Y89
86.3	126.8	195.0	302.2	478.5	806.1	1324.6	2253.9	3927.4	11861.9	F	Tuberculosis	010–018, 137/ A15–A19, B90
2.1	2.7	3.1	3.5	4.1	5.8	7.8	11.5	17.1	29.3	M	Other infective and parasitic	Rest of 001–139, 279, 58, 6/ rest of A00–B99 excl A33, A34
0.4	0.5	0.6	0.8	1.2	1.9	2.7	4.2	7.2	15.2	F		
0.7	0.7	0.5	0.4	0.2	0.2	0.2	0.1	0.2	–	M		
0.2	0.2	0.1	0.1	0.1	0.1	–	–	–	–	F		
51.2	88.4	162.0	287.2	450.2	678.7	909.2	1223.4	1520.1	2279.8	M	ALL CANCER	140–208/C00–C97
37.9	61.5	94.5	141.0	199.5	267.5	361.0	464.9	619.5	983.6	F		
1.3	2.6	3.5	5.9	7.9	10.9	10.6	11.4	13.4	17.1	M	Mouth and pharynx cancer	140–149/C00–C14
0.6	1.0	1.5	1.9	2.4	3.4	3.4	4.6	6.1	8.6	F	Oesophagus cancer	150/C15
0.6	1.2	1.6	3.0	4.0	6.3	8.8	11.4	17.1	25.1	M		
0.6	1.0	1.5	2.0	3.2	3.9	5.5	7.5	11.4	16.5	F		
7.4	10.9	17.1	28.1	42.1	60.9	87.8	127.3	165.2	239.2	M	Stomach cancer	151/C16
3.5	4.9	7.0	10.4	15.1	21.8	33.6	49.4	67.3	122.7	F	Colorectal cancer	153, 154/C18–C21
5.8	8.0	11.1	17.5	27.9	44.7	63.1	95.1	128.4	226.2	M		
2.9	4.8	8.0	11.5	17.5	25.4	38.7	52.7	77.8	147.6	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
2.3	4.5	8.3	14.1	21.8	32.2	48.3	59.0	66.1	89.0	M	Pancreas cancer	157/C25
0.9	1.9	3.1	6.8	12.0	18.2	27.0	36.2	47.7	68.7	F		
0.7	1.9	3.9	7.4	10.9	15.0	19.5	27.1	36.0	53.2	M	Larynx cancer	161/C32
0.1	0.3	0.4	0.8	1.2	1.4	1.8	2.6	4.3	6.8	F		
11.2	30.4	71.3	136.6	216.6	318.6	408.8	485.0	519.6	603.0	M	Lung cancer	162/C33, C34
2.8	5.8	11.0	19.4	27.0	37.8	51.0	67.0	87.8	133.8	F		
0.3	0.5	0.8	1.1	1.5	2.3	3.1	4.2	6.9	16.7	M	Malignant melanoma	172/C43
0.1	0.2	0.4	0.5	0.7	1.1	1.6	2.2	4.5	12.8	F		
11.9	18.9	26.1	33.0	38.4	40.2	45.0	48.4	60.2	109.7	F	Female breast cancer	174/C50
1.6	3.2	5.1	6.3	7.4	9.3	11.0	13.0	16.3	23.4	F	Cervix cancer	180/C53
0.3	0.6	1.4	2.8	5.1	7.1	10.8	11.5	13.5	15.8	M	Other uterine cancer	179, 182/C54, C55
2.1	4.4	7.7	11.7	16.9	20.8	25.6	26.4	28.8	34.6	F	Ovarian cancer	183/C56, C570–C574
0.2	0.5	1.1	3.8	9.1	22.9	44.9	109.3	206.4	504.2	M	Prostate cancer	185/C61
0.8	1.9	4.6	11.4	22.9	39.9	61.0	87.4	106.8	156.7	M	Bladder cancer	188/C67
0.3	0.4	0.8	1.3	2.8	4.5	8.4	12.3	17.6	31.1	F		
...	...	...	...	...	...	...	...	...	...	M	Other and ill-defined cancer sites	
0.6	0.7	1.0	0.8	0.9	1.1	1.7	1.6	1.9	1.5	M	Hodgkin's disease	201/C81
0.3	0.3	0.4	0.4	0.5	0.5	1.1	1.3	1.3	1.1	F		
3.5	4.1	6.6	9.4	15.4	21.7	26.9	34.2	43.9	55.9	M	Myeloma and non– Hodgkin lymphomas	200, 202–203/ C82–C90, C96
1.4	2.2	3.0	5.8	9.8	12.2	17.4	26.5	37.0	39.2	F	Leukaemia	204–208/C91–C95
4.7	5.1	5.8	7.1	9.7	15.8	22.5	33.5	47.7	77.2	M		
2.7	2.9	3.6	4.9	6.5	9.9	13.0	17.6	24.3	44.7	F		
3.2	5.2	9.2	17.8	30.6	54.3	93.2	151.0	237.9	475.6	M	Diabetes	250/E10–E14
1.5	2.8	6.0	12.1	26.7	53.6	92.5	169.6	275.7	653.5	F		
59.3	101.8	155.4	232.1	356.2	558.7	903.1	1394.2	2372.3	6001.3	M	ALL VASCULAR DISEASE	390–459/I00–I99
17.3	29.2	50.5	86.1	147.8	296.2	536.7	1014.6	1904.7	6353.4	F		
0.2	0.3	0.5	0.5	0.9	1.3	2.2	3.6	6.7	15.2	M	Rheumatic heart disease and fever	390–398/I00–I09
0.3	0.4	0.7	0.8	1.0	1.5	2.6	7.5	15.8	54.4	F		
2.8	5.5	8.1	11.7	18.5	36.6	69.1	129.9	250.1	791.6	M	Hypertensive disease	401–405/I10–I15
1.3	2.1	3.2	6.7	14.3	28.3	57.2	133.4	283.3	1115.2	F		
40.9	73.5	116.2	171.2	254.5	394.2	614.5	821.2	1285.0	2891.6	M	Ischaemic heart disease	410–414/I20–I25
6.6	11.7	23.1	40.5	70.4	142.4	254.5	463.7	831.6	2746.9	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
8.4	12.4	17.9	34.7	63.8	95.7	172.2	387.9	751.2	2181.7	M	Cerebrovascular disease	430–438/I60–I69
6.6	10.9	17.4	28.5	48.3	96.1	177.1	370.4	710.3	2264.8	F		
4.0	5.5	7.7	8.9	12.3	21.2	32.3	49.3	82.8	173.4	M	Other vascular disease, incl. venous	Rest of 390–459/ rest of I00–I99
2.5	3.8	5.7	9.9	16.6	30.9	51.3	50.3	81.3	210.9	F		
5.5	10.1	19.8	35.9	66.6	130.9	251.9	485.6	846.6	2096.5	M	Chronic obstructive pulmonary disease	490–496/ J40–J47, J67
2.2	3.0	5.8	11.5	24.6	44.7	93.2	176.3	327.2	1097.1	F		
...	...	...	...	...	...	...	...	...	...	M	Other respiratory disease	
1.8	2.0	2.0	3.0	4.0	6.0	8.9	13.4	24.5	60.5	M	Peptic ulcer	531–533/K25–K27
0.5	0.6	0.8	1.3	1.6	2.5	4.1	6.9	13.8	48.9	F		
3.4	6.0	10.1	14.1	20.0	24.6	31.1	41.4	53.1	90.1	M	Liver cirrhosis	571/K70, K74
0.9	1.6	2.6	4.2	7.2	13.3	19.9	28.8	37.7	72.1	F		
4.1	5.9	8.0	12.0	20.1	34.2	57.8	101.8	159.9	398.5	M	Renal disease	580–590/N00–N19
2.1	2.7	4.3	7.7	15.1	25.4	43.3	67.3	110.5	276.1	F		
...	...	...	...	...	...	...	...	...	...	M	Pregnancy, birth Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F	III-defined causes	
...	...	...	...	...	...	...	...	...	...	M	Other medical causes	
68.5	59.2	47.6	38.4	37.3	41.5	52.4	74.0	121.5	254.8	M	ALL NON– MEDICAL CAUSES	E800–E999/V01–Y89
10.9	10.0	10.8	12.1	13.8	18.0	24.7	33.9	55.2	166.2	F		
24.2	20.6	17.6	14.2	14.4	17.4	22.0	30.3	44.1	65.8	M	Road traffic accidents	E810–E819, E826–E829/ part of V01–V99, Y850
4.0	3.8	4.8	5.3	6.1	8.4	10.3	11.3	15.6	24.4	F		
0.7	0.8	0.5	0.6	0.7	0.8	0.7	1.4	2.9	7.2	M	Fire	E890–E899/X00–X09
0.1	0.2	0.2	0.2	0.3	0.6	–	1.2	2.2	7.5	F		
13.3	12.2	9.4	8.1	7.0	6.9	7.2	8.7	12.1	22.8	M	Suicide	E950–E959/X60–X84
2622	2265	1973	1671	1355	996	806	669	478	263	M	<b>POPULATION</b>	
2731	2374	2130	1917	1636	1191	948	755	621	546	F	(1000s; UN, 2015 revision)	

**TURKEY: 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	– / 34	– / 20	–
35–69	44 / 84	6.1 / 45	25 years
70+	29 / 93	10 / 106	8 years
All ages	73 / 211	16 / 171	18 years

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

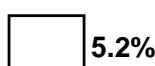
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.2	13/14	6.7/7.3	20/22	–/0.1	1.3/2.2	1.1/1.8	2.4/4.1
All Cancer	–/3.1	18/32 (58%)	9.1/21 (42%)	27/56	–/2.1	1.7/17 (10%)	1.3/13 (10%)	3.0/32
Vascular	–/2.6	16/28	8.3/36	25/68	–/1.2	2.5/15	3.4/54	6.0/70
Respiratory	–/0.3	4.7/5.6	9.5/13	14/19	–/0.2	1.0/2.3	4.3/9.4	5.4/12
All Other	–/28	4.3/18	2.5/22	6.8/69	–/17	0.8/11	0.9/30	1.7/57
All Causes	–/34	44/84 (52%)	29/93 (32%)	73/211	–/20	6.1/45 (13%)	10/106 (9%)	16/171

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

Cause	Male	Female	Male + Female
All Cancer	27 / 56 (49%)	3.0 / 32 (9%)	30 / 88 (34%)
All Causes	73 / 211 (35%)	16 / 171 (9%)	89 / 382 (23%)

<b>2010: TURKEY</b>
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**Population risk of  
dying at ages 0–34**



5.2%

**MALE**



**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, 29 would die before age 70 (with 15 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**



3.1%

