

## WHO Library Cataloguing-in-Publication Data

WHO global report: mortality attributable to tobacco.

1.Smoking - mortality. 2.Tobacco use disorder - mortality. 3.Data interpretation, Statistical.  
I.World Health Organization.

ISBN 978 92 4 156443 4

(NLM classification: WM 290)

### © World Health Organization 2012

All rights reserved. Publications of the World Health Organization are available on the WHO web site ([www.who.int](http://www.who.int)) or can be purchased from WHO Press, World Health Organization, 20 Avenue Appia, 1211 Geneva 27, Switzerland (tel.: +41 22 791 3264; fax: +41 22 791 4857; e-mail: [bookorders@who.int](mailto:bookorders@who.int)).

Requests for permission to reproduce or translate WHO publications – whether for sale or for noncommercial distribution – should be addressed to WHO Press through the WHO web site ([http://www.who.int/about/licensing/copyright\\_form/en/index.html](http://www.who.int/about/licensing/copyright_form/en/index.html)).

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by the World Health Organization in preference to others of a similar nature that are not mentioned. Errors and omissions excepted, the names of proprietary products are distinguished by initial capital letters.

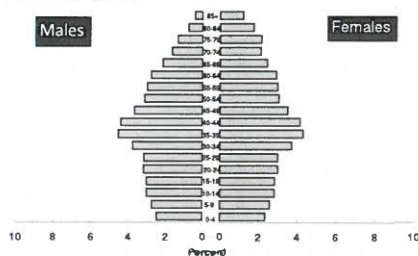
All reasonable precautions have been taken by the World Health Organization to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization be liable for damages arising from its use.

## Austria

## Population 2004 (in thousands)

Age	Male	Female	Total
0-29	1,441	1,377	2,818
30-44	1,048	1,007	2,055
45-59	800	792	1,592
60-69	406	444	850
70-79	246	352	598
80+	97	244	341
<b>Total</b>	<b>4,038</b>	<b>4,215</b>	<b>8,253</b>

## Population Pyramid



## Highlights:

• The death rate from non-communicable diseases (1243 per 100,000 population) was about 33 times that for communicable diseases (38 per 100,000). Tobacco was responsible for 15% of all NCDs compared with 14% of all communicable disease related deaths.

• Within the non-communicable disease group, ischaemic heart disease accounted for 292 deaths per 100,000 population aged 30 years and over, with 10% of these deaths attributed to tobacco. Cancer of the trachea, bronchus and lung accounted for 63 deaths per 100,000 population but with 82% of these deaths attributed to tobacco.

• Within the communicable disease group, deaths attributed to tobacco accounted for 19% of all lower respiratory infection deaths and 14% of all tuberculosis deaths.

• The death rate due to tobacco in men was (247 per 100,000 men aged 30 years and over) compared with women (135 per 100,000 women aged 30 years and over). The proportion of deaths attributable to tobacco was almost 19% for men and 10% for women.

• Among those who died prematurely, almost one in every 10 deaths among those aged 30-44 and one in 4 among those aged 45-59 years were attributable to tobacco use. Of those who died in the 45-59 year age bracket, tobacco use accounted for 28.7% of those whose death was due to a lower respiratory infection, 49.9% of deaths due to the category of 'all cardiovascular diseases combined', and 84.8% of those who had died from cancer of the trachea, bronchus and lung.

## WHO estimated death rates (per 100,000) and proportion attributable to tobacco, 2004

Cause of death	Both sexes					Total for ages 30 & over
	30-44	45-59	60-69	70-79	80+	
<b>Death rate: ALL CAUSES</b>	97	424	1,144	3,042	10,710	1,347
Death rate attributable to tobacco	10	113	248	496	936	188
Proportion of deaths attributable to tobacco (%)	10	27	21	16	9	14
<b>Death rate: Communicable diseases</b>	4	9	21	67	369	38
Death rate attributable to tobacco	0	1	2	8	61	5
Proportion of deaths attributable to tobacco (%)	2	7	10	13	17	14
<b>Death rate: Tuberculosis</b>	0	0	1	2	5	1
Death rate attributable to tobacco	0	0	0	0	1	0
Proportion of deaths attributable to tobacco (%)	13	22	16	13	12	14
<b>Death rate: Lower respiratory infections</b>	0	2	9	42	322	27
Death rate attributable to tobacco	0	1	2	8	60	5
Proportion of deaths attributable to tobacco (%)	19	29	20	19	19	19
<b>Death rate: Noncommunicable diseases</b>	60	366	1,062	2,865	10,065	1,243
Death rate attributable to tobacco	10	112	244	487	875	183
Proportion of deaths attributable to tobacco (%)	16	31	23	17	9	15
<b>Death rate: All malignant neoplasms</b>	24	178	497	969	1,756	356
Death rate attributable to tobacco	4	63	141	223	244	82
Proportion of deaths attributable to tobacco (%)	16	36	28	23	14	23
<b>Death rate: Trachea, bronchus, lung cancers</b>	3	48	111	181	176	63
Death rate attributable to tobacco	2	39	94	190	135	52
Proportion of deaths attributable to tobacco (%)	50	85	85	83	77	82
<b>Death rate: All other malignant neoplasms</b>	21	132	386	788	1,580	293
Death rate attributable to tobacco	2	25	46	73	109	30
Proportion of deaths attributable to tobacco (%)	10	19	12	9	7	10
<b>Death rate: All Cardiovascular diseases</b>	12	80	296	1,218	6,333	606
Death rate attributable to tobacco	5	40	67	145	301	59
Proportion of deaths attributable to tobacco (%)	45	50	23	12	5	10
<b>Death rate: Ischaemic heart disease</b>	5	47	169	646	2,844	292
Death rate attributable to tobacco	2	23	36	71	142	30
Proportion of deaths attributable to tobacco (%)	46	48	22	11	5	10
<b>Death rate: Cerebrovascular disease</b>	3	14	48	220	1,129	108
Death rate attributable to tobacco	1	7	11	26	4	7
Proportion of deaths attributable to tobacco (%)	39	51	22	12	0	7
<b>Death rate: Other cardiovascular diseases</b>	4	19	79	352	2,360	206
Death rate attributable to tobacco	2	10	20	48	154	22
Proportion of deaths attributable to tobacco (%)	48	54	26	14	7	11
<b>Death rate: Respiratory diseases</b>	1	10	45	160	451	56
Death rate attributable to tobacco	0	7	29	102	285	36
Proportion of deaths attributable to tobacco (%)	30	69	64	64	63	64
<b>Death rate: Chronic obstructive pulmonary disease</b>	0	8	37	137	392	48
Death rate attributable to tobacco	0	6	27	98	274	34
Proportion of deaths attributable to tobacco (%)	70	80	73	71	70	71
<b>Death rate: Other respiratory diseases</b>	1	2	8	23	60	8
Death rate attributable to tobacco	0	1	2	4	11	2
Proportion of deaths attributable to tobacco (%)	19	29	20	19	19	20

Note 1: The total death rates are crude rates, and not standardized therefore cannot be used for comparison between countries/regions.

Note 2: The estimates above are based on SIR method (see Technical Note), some countries have used other methods which can produce somewhat different but equally valid estimates.

Austria

## WHO estimated death rates (per 100,000) and proportion attributable to tobacco, 2004

Cause of death	Men					Total for ages 30 & over	Women					Total for ages 30 & over
	30-44	45-59	60-69	70-79	80+		30-44	45-59	60-69	70-79	80+	
<b>Death rate: ALL CAUSES</b>	133	570	1,553	4,077	12,302	1,317	61	278	771	2,320	10,077	1,374
Death rate attributable to tobacco	14	170	410	828	1,251	247	5	56	95	264	811	135
Proportion of deaths attributable to tobacco (%)	10	30	26	20	10	19	9	20	12	11	8	10
<b>Death rate: Communicable diseases</b>	5	13	27	85	450	35	2	5	15	54	936	40
Death rate attributable to tobacco	0	1	3	13	81	5	0	0	1	5	53	5
Proportion of deaths attributable to tobacco (%)	2	8	12	16	18	15	3	6	6	9	16	14
<b>Death rate: Tuberculosis</b>	0	1	2	3	5	1	-	-	0	1	4	1
Death rate attributable to tobacco	0	0	0	0	1	0	-	-	0	0	0	0
Proportion of deaths attributable to tobacco (%)	13	22	17	16	14	17			8	9	10	10
<b>Death rate: Lower respiratory infections</b>	0	3	12	60	413	24	0	1	6	29	286	30
Death rate attributable to tobacco	0	1	3	13	80	5	0	0	1	5	52	5
Proportion of deaths attributable to tobacco (%)	18	29	23	21	19	20	20	28	15	17	18	18
<b>Death rate: Noncommunicable diseases</b>	76	479	1,432	3,820	11,445	1,191	43	253	724	2,199	9,516	1,290
Death rate attributable to tobacco	14	169	407	815	1,170	242	5	55	94	259	757	129
Proportion of deaths attributable to tobacco (%)	18	35	28	21	10	20	12	22	13	12	8	10
<b>Death rate: All malignant neoplasms</b>	24	204	626	1,314	2,566	391	24	161	379	728	1,434	323
Death rate attributable to tobacco	5	95	245	420	534	129	2	31	45	86	129	38
Proportion of deaths attributable to tobacco (%)	21	47	39	32	21	33	10	21	12	12	9	12
<b>Death rate: Trachea, bronchus, lung cancers</b>	3	60	179	314	345	90	3	31	50	87	109	38
Death rate attributable to tobacco	2	53	161	283	303	80	2	24	33	58	69	26
Proportion of deaths attributable to tobacco (%)	50	88	90	90	88	89	51	78	67	66	63	68
<b>Death rate: All other malignant neoplasms</b>	21	144	448	1,000	2,221	300	21	120	329	640	1,325	286
Death rate attributable to tobacco	3	42	84	137	232	49	1	8	12	28	60	13
Proportion of deaths attributable to tobacco (%)	16	29	19	14	10	16	4	6	4	4	4	4
<b>Death rate: All Cardiovascular diseases</b>	16	123	433	1,615	6,546	510	8	38	171	941	6,248	694
Death rate attributable to tobacco	8	61	104	195	100	61	3	18	34	109	380	58
Proportion of deaths attributable to tobacco (%)	50	50	24	12	2	12	33	50	20	12	6	8
<b>Death rate: Ischaemic heart disease</b>	8	77	258	914	3,150	272	2	18	88	459	2,723	311
Death rate attributable to tobacco	4	37	59	105	44	34	0	8	16	47	181	26
Proportion of deaths attributable to tobacco (%)	52	48	23	12	1	12	21	47	16	10	7	8
<b>Death rate: Cerebrovascular disease</b>	3	17	68	269	1,077	83	4	10	30	186	1,149	131
Death rate attributable to tobacco	1	8	15	28	15	9	2	6	6	25	-	6
Proportion of deaths attributable to tobacco (%)	33	49	23	10	1	10	43	54	21	14	-	5
<b>Death rate: Other cardiovascular diseases</b>	5	29	107	432	2,318	155	2	8	53	296	2,376	252
Death rate attributable to tobacco	3	16	30	62	42	18	1	4	12	37	199	25
Proportion of deaths attributable to tobacco (%)	58	54	28	14	2	12	26	54	22	13	8	10
<b>Death rate: Respiratory diseases</b>	1	13	67	257	735	67	1	8	25	92	339	47
Death rate attributable to tobacco	0	9	46	173	480	44	0	5	13	53	207	28
Proportion of deaths attributable to tobacco (%)	31	70	69	67	65	67	30	66	52	58	61	60
<b>Death rate: Chronic obstructive pulmonary disease</b>	0	10	57	222	639	57	0	6	19	78	293	40
Death rate attributable to tobacco	0	8	44	165	461	42	0	5	12	51	199	27
Proportion of deaths attributable to tobacco (%)	70	82	77	74	72	74	70	78	62	65	68	67
<b>Death rate: Other respiratory diseases</b>	1	3	10	36	97	10	0	2	5	14	45	7
Death rate attributable to tobacco	0	1	2	7	19	2	0	1	1	2	8	1
Proportion of deaths attributable to tobacco (%)	18	29	23	21	19	21	20	28	15	17	18	18

Note 3: For information on the sources of mortality data, please refer to Annex C, Table C4 of The global burden of disease: 2004 update.