

Annex Table 2 Deaths by cause, sex and mortality stratum in WHO regions,^a estimates for 2002

Figures computed by WHO to assure comparability;^b they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Cause ^d	SEX ^c						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		Mortality stratum		Mortality stratum		
							High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult
<i>Population (000)</i>	<i>6 224 985</i>		<i>3 131 052</i>		<i>3 093 933</i>		<i>311 273</i>	<i>360 965</i>	<i>333 580</i>	<i>445 161</i>	<i>73 810</i>
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	57 027	100	29 949	100	27 078	100	4 634	6 144	2 720	2 691	547
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	18 416	32.3	9 477	31.6	8 938	33.0	3 222	4 557	167	475	233
Infectious and parasitic diseases	11 122	19.5	5 968	19.9	5 154	19.0	2 238	3 549	69	188	137
Tuberculosis	1 605	2.8	1 055	3.5	550	2.0	121	182	1	25	18
STIs excluding HIV	180	0.3	91	0.3	89	0.3	41	52	0	1	1
Syphilis	157	0.3	84	0.3	72	0.3	39	50	0	1	0
Chlamydia	9	0.0	0	0.0	9	0.0	1	0	0	0	0
Gonorrhoea	1	0.0	0	0.0	1	0.0	0	0	0	0	0
HIV/AIDS	2 821	4.9	1 532	5.1	1 290	4.8	456	1 747	14	46	43
Diarrhoeal diseases	1 767	3.1	924	3.1	844	3.1	341	354	2	33	20
Childhood diseases	1 360	2.4	679	2.3	681	2.5	426	295	0	1	6
Pertussis	301	0.5	151	0.5	151	0.6	101	71	0	0	6
Poliomyelitis	1	0.0	0	0.0	0	0.0	0	0	0	0	0
Diphtheria	5	0.0	3	0.0	3	0.0	1	1	0	0	0
Measles	760	1.3	379	1.3	382	1.4	261	178	0	0	0
Tetanus	292	0.5	147	0.5	146	0.5	64	45	0	0	0
Meningitis	173	0.3	90	0.3	83	0.3	8	12	1	8	9
Hepatitis B ^e	103	0.2	71	0.2	32	0.1	10	10	1	3	2
Hepatitis C ^e	53	0.1	35	0.1	18	0.1	4	4	5	2	0
Malaria	1 222	2.1	585	2.0	637	2.4	538	549	0	1	0
Tropical diseases	130	0.2	79	0.3	50	0.2	28	28	0	12	4
Trypanosomiasis	48	0.1	31	0.1	17	0.1	24	23	0	0	0
Chagas disease	14	0.0	8	0.0	7	0.0	0	0	0	11	4
Schistosomiasis	15	0.0	10	0.0	5	0.0	1	1	0	1	0
Leishmaniasis	51	0.1	30	0.1	21	0.1	4	4	0	0	0
Lymphatic filariasis	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Onchocerciasis	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Leprosy	6	0.0	4	0.0	2	0.0	0	0	0	1	0
Dengue	19	0.0	8	0.0	10	0.0	0	0	0	1	1
Japanese encephalitis	14	0.0	7	0.0	7	0.0	0	0	0	0	0
Trachoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Intestinal nematode infections	12	0.0	6	0.0	6	0.0	1	2	0	0	1
Ascariasis	3	0.0	1	0.0	2	0.0	0	1	0	0	0
Trichuriasis	3	0.0	2	0.0	1	0.0	0	0	0	0	0
Hookworm disease	3	0.0	2	0.0	1	0.0	1	1	0	0	0
Respiratory infections	3 845	6.7	1 931	6.4	1 914	7.1	533	538	72	107	49
Lower respiratory infections	3 766	6.6	1 890	6.3	1 875	6.9	525	531	72	105	47
Upper respiratory infections	75	0.1	38	0.1	37	0.1	7	6	0	1	2
Otitis media	4	0.0	3	0.0	1	0.0	1	1	0	0	0
Maternal conditions	510	0.9	...	...	510	1.9	102	129	1	9	7
Perinatal conditions	2 464	4.3	1 368	4.6	1 096	4.0	284	270	17	132	26
Nutritional deficiencies	475	0.8	210	0.7	264	1.0	65	72	8	38	14
Protein-energy malnutrition	250	0.4	125	0.4	125	0.5	48	50	5	29	8
Iodine deficiency	7	0.0	3	0.0	3	0.0	0	2	0	0	0
Vitamin A deficiency	23	0.0	11	0.0	12	0.0	10	7	0	0	0
Iron-deficiency anaemia	137	0.2	47	0.2	90	0.3	6	11	3	7	5

Cause ^d	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult
<i>Population (000)</i>	<i>142 528</i>	<i>360 296</i>	<i>415 323</i>	<i>222 846</i>	<i>239 717</i>	<i>298 234</i>	<i>1 292 598</i>	<i>155 400</i>	<i>1 562 136</i>
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	706	3 462	3 926	1 866	3 689	2 191	12 428	1 146	10 786
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	92	1 654	242	166	159	625	5 105	136	1 565
Infectious and parasitic diseases	38	921	50	62	100	398	2 570	24	770
Tuberculosis	7	124	5	19	50	157	533	5	355
STIs excluding HIV	0	23	0	0	0	3	55	0	2
Syphilis	0	21	0	0	0	1	42	0	1
Chlamydia	0	1	0	0	0	1	7	0	0
Gonorrhoea	0	0	0	0	0	0	0	0	0
HIV/AIDS	1	49	6	1	36	59	315	0	46
Diarrhoeal diseases	14	236	2	13	2	41	559	1	148
Childhood diseases	0	204	0	7	0	38	328	0	53
Pertussis	0	61	0	0	0	1	60	0	2
Poliomyelitis	0	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	3	0	0
Measles	0	84	0	7	0	31	167	0	32
Tetanus	0	59	0	0	0	6	98	0	19
Meningitis	2	23	2	10	4	9	64	0	20
Hepatitis B ^e	1	9	2	2	1	7	30	1	25
Hepatitis C ^e	1	4	3	1	0	3	11	4	10
Malaria	2	55	0	0	0	12	53	0	11
Tropical diseases	0	15	0	0	0	0	36	0	5
Trypanosomiasis	0	1	0	0	0	0	0	0	0
Chagas disease	0	0	0	0	0	0	0	0	0
Schistosomiasis	0	9	0	0	0	0	0	0	4
Leishmaniasis	0	5	0	0	0	0	36	0	2
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	0	1	0	0	0	1	2	0	1
Dengue	0	1	0	0	0	3	9	0	4
Japanese encephalitis	0	2	0	0	0	0	8	0	3
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	0	1	0	0	0	1	4	0	1
Ascariasis	0	0	0	0	0	0	1	0	1
Trichuriasis	0	0	0	0	0	0	2	0	0
Hookworm disease	0	0	0	0	0	1	0	0	0
Respiratory infections	20	345	174	60	39	108	1 285	108	403
Lower respiratory infections	19	339	171	59	37	105	1 267	107	377
Upper respiratory infections	0	6	3	2	2	3	17	1	26
Otitis media	0	0	0	0	0	0	1	0	0
Maternal conditions	3	65	0	2	1	11	160	0	21
Perinatal conditions	28	275	10	39	17	82	930	2	348
Nutritional deficiencies	4	48	7	3	2	26	161	2	24
Protein-energy malnutrition	2	22	3	1	1	10	56	1	13
Iodine deficiency	0	2	0	0	0	0	1	0	0
Vitamin A deficiency	0	3	0	0	0	0	2	0	0
Iron-deficiency anaemia	1	9	3	2	1	13	67	1	8

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Cause ^d	SEX ^c						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		Mortality stratum		Mortality stratum		
							High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult
Population (000)	6 224 985		3 131 052		3 093 933		311 273	360 965	333 580	445 161	73 810
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
II. Noncommunicable conditions	33 424	58.6	16 992	56.7	16 432	60.7	1 068	1 184	2 380	1 895	268
Malignant neoplasms	7 106	12.5	3 963	13.2	3 144	11.6	194	216	641	408	66
Mouth and oropharynx cancers	317	0.6	220	0.7	97	0.4	8	10	10	12	2
Oesophagus cancer	446	0.8	284	0.9	161	0.6	5	17	16	15	1
Stomach cancer	849	1.5	523	1.7	326	1.2	16	18	17	44	13
Colon/rectum cancer	620	1.1	321	1.1	299	1.1	10	10	74	31	4
Liver cancer	619	1.1	428	1.4	191	0.7	22	23	17	17	3
Pancreas cancer	229	0.4	121	0.4	109	0.4	3	5	33	17	2
Trachea/bronchus/lung cancers	1 239	2.2	886	3.0	353	1.3	7	10	179	49	3
Melanoma and other skin cancers	66	0.1	35	0.1	31	0.1	4	4	12	6	1
Breast cancer	477	0.8	3	0.0	474	1.8	21	14	52	33	4
Cervix uteri cancer	239	0.4	...	...	239	0.9	15	23	5	19	7
Corpus uteri cancer	71	0.1	...	...	71	0.3	1	1	9	10	1
Ovary cancer	134	0.2	...	...	134	0.5	3	5	16	7	1
Prostate cancer	268	0.5	268	0.9	...	...	24	17	42	31	5
Bladder cancer	178	0.3	125	0.4	53	0.2	6	5	16	8	1
Lymphomas, multiple myeloma	334	0.6	168	0.6	165	0.6	17	16	45	18	5
Leukaemia	264	0.5	146	0.5	117	0.4	7	6	27	18	3
Other neoplasms	148	0.3	74	0.2	74	0.3	4	5	17	11	1
Diabetes mellitus	987	1.7	440	1.5	547	2.0	35	45	86	151	16
Nutritional/endocrine disorders	243	0.4	108	0.4	135	0.5	12	14	33	25	4
Neuropsychiatric disorders	1 105	1.9	570	1.9	535	2.0	43	47	174	56	10
Unipolar depressive disorders	13	0.0	6	0.0	7	0.0	0	0	1	0	0
Bipolar affective disorder	1	0.0	0	0.0	1	0.0	0	0	0	0	0
Schizophrenia	23	0.0	11	0.0	12	0.0	0	0	1	0	0
Epilepsy	125	0.2	70	0.2	55	0.2	18	20	2	6	2
Alcohol use disorders	86	0.2	73	0.2	13	0.0	3	4	8	14	2
Alzheimer and other dementias	395	0.7	146	0.5	249	0.9	3	4	106	11	1
Parkinson disease	98	0.2	50	0.2	48	0.2	2	3	19	4	1
Multiple sclerosis	16	0.0	6	0.0	10	0.0	0	0	4	1	0
Drug use disorders	88	0.2	72	0.2	16	0.1	2	0	5	2	0
Post-traumatic stress disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Obsessive-compulsive disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Panic disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Insomnia (primary)	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Migraine	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Sense organ disorders	3	0.0	2	0.0	2	0.0	0	0	0	0	0
Glaucoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Cataracts	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Vision loss, age-related and other	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Hearing loss, adult onset	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Cardiovascular diseases	16 655	29.2	8 074	27.0	8 581	31.7	496	540	1 031	803	93
Rheumatic heart disease	328	0.6	138	0.5	190	0.7	12	8	4	6	0
Hypertensive heart disease	907	1.6	418	1.4	489	1.8	27	33	47	73	15
Ischaemic heart disease	7 168	12.6	3 779	12.6	3 389	12.5	160	172	574	318	28
Cerebrovascular disease	5 494	9.6	2 540	8.5	2 954	10.9	172	187	187	239	26
Inflammatory heart disease	402	0.7	209	0.7	192	0.7	20	22	35	31	1

Cause ^d	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
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<i>Population (000)</i>	<i>142 528</i>	<i>360 296</i>	<i>415 323</i>	<i>222 846</i>	<i>239 717</i>	<i>298 234</i>	<i>1 292 598</i>	<i>155 400</i>	<i>1 562 136</i>
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
II. Noncommunicable conditions	501	1 529	3 495	1 590	3 027	1 341	6 082	924	8 076
Malignant neoplasms	76	196	1 040	291	491	267	893	354	1 961
Mouth and oropharynx cancers	2	18	24	9	17	16	133	7	50
Oesophagus cancer	4	12	28	7	13	4	78	12	233
Stomach cancer	12	9	61	28	67	12	51	54	447
Colon/rectum cancer	5	10	138	30	60	28	35	46	139
Liver cancer	6	9	40	12	15	31	30	36	358
Pancreas cancer	2	3	53	12	22	6	13	22	35
Trachea/bronchus/lung cancers	10	17	207	61	94	43	131	65	361
Melanoma and other skin cancers	1	1	15	4	6	1	2	3	4
Breast cancer	4	23	89	21	40	25	68	14	68
Cervix uteri cancer	1	6	8	7	12	14	87	3	31
Corpus uteri cancer	1	1	15	5	11	3	3	3	6
Ovary cancer	1	5	25	7	13	8	19	5	17
Prostate cancer	3	5	69	11	13	8	19	12	9
Bladder cancer	2	17	37	10	13	6	27	6	24
Lymphomas, multiple myeloma	5	15	54	11	10	17	79	15	26
Leukaemia	7	13	36	11	14	13	33	9	65
Other neoplasms	9	15	30	4	4	3	16	10	18
Diabetes mellitus	15	40	92	29	20	72	191	17	174
Nutritional/endocrine disorders	5	24	28	3	3	16	23	9	43
Neuropsychiatric disorders	22	67	185	25	40	53	214	22	143
Unipolar depressive disorders	0	1	2	0	0	1	8	0	0
Bipolar affective disorder	0	0	0	0	0	0	0	0	0
Schizophrenia	0	1	1	0	1	1	13	0	4
Epilepsy	2	8	6	4	4	5	29	1	18
Alcohol use disorders	2	2	13	4	6	3	12	1	11
Alzheimer and other dementias	2	9	96	3	5	9	79	10	56
Parkinson disease	2	2	22	2	1	1	9	4	26
Multiple sclerosis	0	0	4	1	2	0	1	0	1
Drug use disorders	7	24	7	2	11	3	20	1	3
Post-traumatic stress disorder	0	0	0	0	0	0	0	0	0
Obsessive-compulsive disorder	0	0	0	0	0	0	0	0	0
Panic disorder	0	0	0	0	0	0	0	0	0
Insomnia (primary)	0	0	0	0	0	0	0	0	0
Migraine	0	0	0	0	0	0	0	0	0
Sense organ disorders	0	1	0	0	0	0	1	0	0
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Vision loss, age-related and other	0	0	0	0	0	0	0	0	0
Hearing loss, adult onset	0	0	0	0	0	0	0	0	0
Cardiovascular diseases	284	796	1 614	1 051	2 192	600	3 311	369	3 448
Rheumatic heart disease	4	20	10	7	14	12	121	3	107
Hypertensive heart disease	30	67	67	68	40	56	96	8	276
Ischaemic heart disease	143	396	673	464	1 201	265	1 774	126	864
Cerebrovascular disease	54	172	414	283	734	162	897	151	1 807
Inflammatory heart disease	11	26	28	30	41	10	66	7	73

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Cause ^d	SEX ^c						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		Mortality stratum		Mortality stratum		
							High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult
Population (000)	6 224 985		3 131 052		3 093 933		311 273	360 965	333 580	445 161	73 810
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Respiratory diseases	3 696	6.5	1 909	6.4	1 788	6.6	124	133	199	175	23
Chronic obstructive pulmonary disease	2 746	4.8	1 411	4.7	1 334	4.9	52	65	141	90	10
Asthma	239	0.4	121	0.4	118	0.4	12	14	6	10	2
Digestive diseases	1 963	3.4	1 091	3.6	872	3.2	75	82	99	153	31
Peptic ulcer disease	265	0.5	155	0.5	110	0.4	7	8	6	11	3
Cirrhosis of the liver	783	1.4	501	1.7	282	1.0	26	28	31	61	13
Appendicitis	21	0.0	12	0.0	10	0.0	1	1	1	2	1
Diseases of the genitourinary system	847	1.5	442	1.5	405	1.5	51	55	66	55	15
Nephritis/nephrosis	677	1.2	345	1.2	332	1.2	47	52	47	43	12
Benign prostatic hypertrophy	31	0.1	31	0.1	...	...	1	1	1	2	0
Skin diseases	69	0.1	26	0.1	43	0.2	10	9	5	6	2
Musculoskeletal diseases	106	0.2	38	0.1	69	0.3	4	3	17	10	2
Rheumatoid arthritis	25	0.0	7	0.0	18	0.1	1	0	3	2	1
Osteoarthritis	5	0.0	2	0.0	3	0.0	0	0	1	1	0
Congenital abnormalities	493	0.9	255	0.9	238	0.9	21	35	13	40	5
Oral diseases	2	0.0	1	0.0	1	0.0	0	0	0	0	0
Dental caries	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Periodontal disease	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Edentulism	0	0.0	0	0.0	0	0.0	0	0	0	0	0
III. Injuries	5 188	9.1	3 480	11.6	1 708	6.3	344	403	173	321	46
Unintentional	3 562	6.2	2 317	7.7	1 245	4.6	258	230	120	167	33
Road traffic injuries	1 192	2.1	869	2.9	323	1.2	96	99	49	76	10
Poisoning	355	0.6	229	0.8	126	0.5	21	18	14	2	1
Falls	393	0.7	237	0.8	156	0.6	11	9	18	12	1
Fires	311	0.5	120	0.4	191	0.7	24	20	4	3	1
Drowning	385	0.7	264	0.9	121	0.4	36	29	4	15	3
Other unintentional injuries	928	1.6	599	2.0	329	1.2	71	56	30	58	18
Intentional	1 626	2.9	1 164	3.9	462	1.7	86	173	53	154	13
Self-inflicted	877	1.5	549	1.8	328	1.2	15	19	35	26	2
Violence	559	1.0	444	1.5	114	0.4	57	77	17	119	10
War	178	0.3	161	0.5	18	0.1	14	77	0	8	0

^a See list of Member States by WHO region and mortality stratum.

^b See explanatory notes for sources and methods.

^c World totals include residual populations living in overseas territories and areas, or outside any WHO Member State.

^d Estimates for specific causes may not sum to broader cause groupings owing to omission of residual categories.

^e Does not include liver cancer and cirrhosis deaths resulting from chronic hepatitis virus infection.

... Data not available or not applicable.

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Population (000)	142 528	360 296	415 323	222 846	239 717	298 234	1 292 598	155 400	1 562 136
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Respiratory diseases	27	128	220	72	106	153	721	59	1 550
Chronic obstructive pulmonary disease	15	80	140	45	72	100	556	22	1 354
Asthma	2	14	12	9	20	20	77	6	37
Digestive diseases	22	130	182	77	126	87	415	44	435
Peptic ulcer disease	2	10	17	9	14	15	84	5	75
Cirrhosis of the liver	8	59	65	39	63	34	170	14	171
Appendicitis	0	1	1	0	1	1	7	0	5
Diseases of the genitourinary system	21	62	63	25	24	57	149	27	175
Nephritis/nephrosis	9	56	42	20	14	45	124	24	141
Benign prostatic hypertrophy	1	2	1	1	2	2	11	0	6
Skin diseases	1	4	9	0	3	5	10	1	3
Musculoskeletal diseases	1	2	20	2	4	7	10	6	20
Rheumatoid arthritis	0	0	4	1	1	1	3	2	5
Osteoarthritis	0	0	1	0	0	0	0	0	0
Congenital abnormalities	19	64	11	13	14	20	129	4	104
Oral diseases	0	0	0	0	0	0	0	0	0
Dental caries	0	0	0	0	0	0	0	0	0
Periodontal disease	0	0	0	0	0	0	0	0	0
Edentulism	0	0	0	0	0	0	0	0	0
III. Injuries	112	279	190	110	503	225	1 242	86	1 145
Unintentional	98	196	137	77	334	149	931	48	779
Road traffic injuries	57	75	46	22	60	72	224	14	290
Poisoning	3	12	6	6	103	8	87	1	74
Falls	6	17	47	9	25	15	106	8	108
Fires	7	24	3	3	17	14	170	2	18
Drowning	5	21	4	6	30	14	84	6	126
Other unintentional injuries	19	47	32	30	99	26	261	17	162
Intentional	15	83	53	33	170	76	310	38	366
Self-inflicted	9	25	48	23	93	37	209	37	296
Violence	5	22	4	8	60	28	85	1	65
War	0	35	0	2	17	10	11	0	3