

Annex Table 2 Deaths by cause, sex and mortality stratum in WHO Regions,<sup>a</sup> estimates for 2001

These figures were produced by WHO using the best available evidence. They are not necessarily the official statistics of Member States.

Cause <sup>b</sup>	SEX						AFRICA		THE AMERICAS			Cause <sup>b</sup>	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum				Mortality stratum		Mortality stratum			Mortality stratum			
	(000)	% total	(000)	% total	(000)	% total	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult		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
Population (000)	6 122 210		3 083 884		3 038 327		301 878	353 598	328 176	437 142	72 649	141 835	351 256	412 512	219 983	241 683	297 525	1 262 285	154 919	1 546 770	
TOTAL DEATHS	56 554	100	29 628	100	26 926	100	4 365	6 316	2 748	2 619	544	707	3 449	4 076	1 969	3 658	2 194	12 273	1 161	10 475	
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	18 374	32.5	9 529	32.2	8 846	32.9	2 968	4 615	172	485	198	126	1 700	236	193	157	644	5 171	138	1 572	
Infectious and parasitic diseases	10 937	19.3	5 875	19.8	5 062	18.8	2 052	3 525	65	197	117	55	957	48	64	86	373	2 699	24	678	
Tuberculosis	1 644	2.9	1 075	3.6	569	2.1	152	184	1	27	18	7	126	5	20	52	160	541	6	345	
STDs excluding HIV	189	0.3	102	0.3	86	0.3	45	58	0	1	1	0	20	0	1	0	2	56	0	5	
Syphilis	167	0.3	97	0.3	70	0.3	43	56	0	1	1	0	18	0	0	0	1	43	0	4	
Chlamydia	8	0.0	0	0.0	8	0.0	1	1	0	0	0	0	1	0	0	0	0	5	0	0	
Gonorrhoea	2	0.0	0	0.0	2	0.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
HIV/AIDS	2 866	5.1	1 528	5.2	1 338	5.0	404	1 793	14	34	40	1	57	6	1	19	60	385	0	53	
Diarrhoeal diseases	2 001	3.5	1 035	3.5	966	3.6	271	432	2	48	26	19	307	2	16	3	44	758	1	73	
Childhood diseases	1 318	2.3	660	2.2	659	2.4	403	292	0	1	6	0	198	0	7	0	40	317	0	52	
Pertussis	285	0.5	143	0.5	142	0.5	87	70	0	1	6	0	59	0	0	0	1	59	0	2	
Poliomyelitis	1	0.0	0	0.0	0	0.0	0	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	0	0	0	0	0	0	3	0	0	
Measles	745	1.3	373	1.3	372	1.4	250	176	0	0	0	0	85	0	6	0	32	161	0	32	
Tetanus	282	0.5	141	0.5	141	0.5	65	45	0	0	0	0	53	0	0	0	7	94	0	18	
Meningitis	173	0.3	97	0.3	77	0.3	10	12	1	11	5	3	26	2	9	4	12	62	1	15	
Hepatitis B <sup>c</sup>	81	0.1	53	0.2	28	0.1	5	6	1	3	2	2	7	1	2	1	7	22	1	21	
Hepatitis C <sup>c</sup>	46	0.1	29	0.1	17	0.1	3	3	4	2	0	1	3	3	1	1	3	9	4	8	
Malaria	1 124	2.0	532	1.8	592	2.2	492	471	0	1	0	0	55	0	0	0	9	86	0	10	
Tropical diseases	138	0.2	86	0.3	53	0.2	33	30	0	10	5	0	13	0	0	0	0	43	0	4	
Trypanosomiasis	50	0.1	32	0.1	18	0.1	25	24	0	0	0	0	1	0	0	0	0	0	0	0	
Chagas disease	13	0.0	7	0.0	6	0.0	0	0	0	8	5	0	0	0	0	0	0	0	0	0	
Schistosomiasis	15	0.0	11	0.0	5	0.0	3	2	0	1	0	0	6	0	0	0	0	0	0	3	
Leishmaniasis	59	0.1	35	0.1	24	0.1	5	4	0	1	0	0	6	0	0	0	0	43	0	1	
Lymphatic filariasis	0	0.0	0	0.0	0	0.0	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	0	0	0	0	0	0	0	0	0	
Leprosy	4	0.0	3	0.0	2	0.0	0	0	0	1	0	0	0	0	0	0	1	2	0	0	
Dengue	21	0.0	10	0.0	11	0.0	0	0	0	1	2	0	2	0	0	0	2	10	0	3	
Japanese encephalitis	15	0.0	8	0.0	8	0.0	0	0	0	0	0	0	2	0	0	0	0	10	0	3	
Trachoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Intestinal nematode infections	12	0.0	6	0.0	5	0.0	1	2	0	0	0	0	1	0	0	0	1	4	0	1	
Ascariasis	4	0.0	2	0.0	2	0.0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	
Trichuriasis	2	0.0	1	0.0	1	0.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Hookworm disease	4	0.0	2	0.0	2	0.0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	
Respiratory infections	3 947	7.0	2 053	6.9	1 894	7.0	455	584	82	110	36	38	351	171	82	49	121	1 256	110	501	
Lower respiratory infections	3 871	6.8	2 015	6.8	1 856	6.9	449	577	82	108	35	37	346	169	81	48	118	1 237	109	477	
Upper respiratory infections	70	0.1	35	0.1	35	0.1	4	5	0	1	2	1	5	3	1	2	2	18	1	24	
Otitis media	6	0.0	3	0.0	3	0.0	1	2	0	0	0	0	0	0	0	0	1	1	0	0	
Maternal conditions	509	0.9	...	...	509	1.9	97	143	0	13	8	3	66	0	1	1	22	132	0	21	
Perinatal conditions	2 504	4.4	1 387	4.7	1 116	4.1	294	283	17	124	26	26	287	10	42	18	91	932	2	351	
Nutritional deficiencies	477	0.8	213	0.7	264	1.0	71	80	8	40	11	4	39	7	3	2	36	153	2	21	
Protein-energy malnutrition	258	0.5	129	0.4	129	0.5	49	52	4	30	8	2	23	3	1	1	12	56	1	14	
Iodine deficiency	6	0.0	3	0.0	3	0.0	1	2	0	0	0	0	1	0	0	0	0	2	0	0	
Vitamin A deficiency	28	0.1	11	0.0	17	0.1	12	13	0	0	0	0	1	0	0	0	0	2	0	0	
Iron-deficiency anaemia	138	0.2	49	0.2	89	0.3	8	13	3	8	3	1	10	3	2	1	12	69	0	4	

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Cause <sup>b</sup>	SEX						AFRICA		THE AMERICAS			Cause <sup>b</sup>	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum				Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	(000)	% total	(000)	% total	(000)	% total	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult		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
<b>Population (000)</b>	<b>6 122 210</b>		<b>3 083 884</b>		<b>3 038 327</b>		<b>301 878</b>	<b>353 598</b>	<b>328 176</b>	<b>437 142</b>	<b>72 649</b>	<b>141 835</b>	<b>351 256</b>	<b>412 512</b>	<b>219 983</b>	<b>241 683</b>	<b>297 525</b>	<b>1 262 285</b>	<b>154 919</b>	<b>1 546 770</b>	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
<b>II. Noncommunicable conditions</b>	<b>33 077</b>	<b>58.5</b>	<b>16 726</b>	<b>56.5</b>	<b>16 352</b>	<b>60.7</b>	<b>1 098</b>	<b>1 264</b>	<b>2 400</b>	<b>1 810</b>	<b>288</b>	<b>475</b>	<b>1 454</b>	<b>3 643</b>	<b>1 664</b>	<b>3 048</b>	<b>1 275</b>	<b>5 913</b>	<b>939</b>	<b>7 805</b>	
Malignant neoplasms	7 115	12.6	3 952	13.3	3 163	11.7	241	303	645	392	74	80	199	1 059	293	515	231	882	343	1 859	
Mouth and oropharynx cancers	326	0.6	226	0.8	100	0.4	12	22	10	11	1	3	18	25	9	18	16	128	6	48	
Oesophagus cancer	438	0.8	278	0.9	160	0.6	6	21	16	14	1	3	10	29	7	14	4	76	12	224	
Stomach cancer	850	1.5	522	1.8	328	1.2	20	17	18	43	15	11	10	67	30	75	9	56	55	425	
Colon/rectum cancer	615	1.1	317	1.1	298	1.1	12	15	75	29	4	5	10	142	29	64	24	34	44	130	
Liver cancer	616	1.1	423	1.4	193	0.7	30	34	15	18	6	4	10	39	11	14	31	34	35	336	
Pancreas cancer	225	0.4	119	0.4	107	0.4	3	5	34	16	2	2	3	53	12	21	5	14	21	33	
Trachea/bronchus/lung cancers	1 213	2.1	882	3.0	331	1.2	9	14	176	48	3	11	19	206	62	103	35	127	62	337	
Melanoma and other skin cancers	66	0.1	35	0.1	31	0.1	4	5	12	6	1	0	1	15	4	6	1	2	3	4	
Breast cancer	479	0.8	3	0.0	476	1.8	14	24	55	31	4	5	23	92	22	40	24	66	13	66	
Cervix uteri cancer	258	0.5	...	...	258	1.0	21	38	6	19	5	4	8	8	7	12	14	85	3	30	
Corpus uteri cancer	74	0.1	...	...	74	0.3	1	2	9	10	4	0	1	16	5	11	2	3	3	6	
Ovary cancer	131	0.2	...	...	131	0.5	3	7	16	7	1	1	4	25	6	13	7	19	5	16	
Prostate cancer	269	0.5	269	0.9	...	...	25	20	42	29	6	2	6	71	10	14	7	19	11	8	
Bladder cancer	183	0.3	129	0.4	54	0.2	8	6	16	7	1	3	19	38	10	14	5	27	6	23	
Lymphomas, multiple myeloma	333	0.6	171	0.6	162	0.6	20	19	46	17	4	7	15	55	12	10	14	76	14	24	
Leukaemia	260	0.5	145	0.5	115	0.4	8	12	27	18	4	4	13	37	11	15	11	32	9	60	
Other neoplasms	147	0.3	73	0.2	74	0.3	1	2	15	10	1	2	12	28	4	5	24	15	10	18	
Diabetes mellitus	895	1.6	401	1.4	495	1.8	20	35	78	137	15	16	36	90	30	21	62	176	17	162	
Nutritional/endocrine disorders	247	0.4	110	0.4	136	0.5	17	19	30	24	5	5	23	28	3	3	16	19	9	45	
Neuropsychiatric disorders	1 023	1.8	523	1.8	500	1.9	36	44	150	53	10	16	57	175	24	40	53	210	21	134	
Unipolar depressive disorders	12	0.0	6	0.0	7	0.0	0	0	1	0	0	0	1	2	0	0	0	9	0	0	
Bipolar affective disorder	1	0.0	0	0.0	1	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Schizophrenia	24	0.0	12	0.0	12	0.0	0	0	1	0	0	0	1	1	0	1	1	13	0	4	
Epilepsy	109	0.2	63	0.2	46	0.2	10	14	2	6	2	2	8	6	4	5	4	29	1	17	
Alcohol use disorders	87	0.2	74	0.2	13	0.0	3	8	8	14	2	1	1	13	3	8	4	10	1	11	
Alzheimer and other dementias	368	0.7	132	0.4	236	0.9	2	3	86	8	0	1	9	89	3	5	21	79	9	53	
Parkinson disease	92	0.2	45	0.2	47	0.2	2	2	17	4	1	1	1	21	2	1	3	8	4	25	
Multiple sclerosis	15	0.0	6	0.0	9	0.0	0	0	3	1	0	0	0	4	1	2	0	1	0	1	
Drug use disorders	68	0.1	56	0.2	12	0.0	2	0	5	2	1	4	17	6	2	7	1	19	1	4	
Post-traumatic stress disorder	0	0.0	0	0.0	0	0.0	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	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	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	0	0	0	0	0	0	0	0	0	
Migraine	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sense organ disorders	4	0.0	2	0.0	3	0.0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
Glaucoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cataracts	1	0.0	0	0.0	1	0.0	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	0	0	0	0	0	0	0	0	0	
<b>Cardiovascular diseases</b>	<b>16 585</b>	<b>29.3</b>	<b>7 962</b>	<b>26.9</b>	<b>8 623</b>	<b>32.0</b>	<b>482</b>	<b>503</b>	<b>1 106</b>	<b>773</b>	<b>100</b>	<b>280</b>	<b>757</b>	<b>1 760</b>	<b>1 111</b>	<b>2 171</b>	<b>571</b>	<b>3 226</b>	<b>395</b>	<b>3 350</b>	
Rheumatic heart disease	338	0.6	140	0.5	197	0.7	14	15	5	6	0	3	21	11	8	15	9	123	3	105	
Hypertensive heart disease	874	1.5	397	1.3	477	1.8	25	29	48	69	14	35	56	68	67	40	63	75	9	276	
Ischaemic heart disease	7 181	12.7	3 756	12.7	3 425	12.7	169	164	622	310	35	147	376	738	500	1 185	232	1 740	136	827	
Cerebrovascular disease	5 454	9.6	2 499	8.4	2 956	11.0	143	164	199	229	26	47	171	456	296	728	193	877	163	1 763	
Inflammatory heart disease	375	0.7	192	0.6	183	0.7	16	18	37	29	1	6	23	29	27	31	12	66	8	74	

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	(000)	% total	(000)	% total	(000)	% total	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult		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
<b>Population (000)</b>	<b>6 122 210</b>		<b>3 083 884</b>		<b>3 038 327</b>		<b>301 878</b>	<b>353 598</b>	<b>328 176</b>	<b>437 142</b>	<b>72 649</b>	<b>141 835</b>	<b>351 256</b>	<b>412 512</b>	<b>219 983</b>	<b>241 683</b>	<b>297 525</b>	<b>1 262 285</b>	<b>154 919</b>	<b>1 546 770</b>	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	
Respiratory diseases	3 560	6.3	1 818	6.1	1 742	6.5	105	129	186	163	20	19	125	213	80	126	130	693	59	1 513	
Chronic obstructive pulmonary disease	2 672	4.7	1 355	4.6	1 317	4.9	53	63	133	84	5	10	78	140	49	96	66	548	23	1 324	
Asthma	226	0.4	111	0.4	114	0.4	9	15	6	10	2	3	15	13	11	16	21	66	6	33	
Digestive diseases	1 987	3.5	1 108	3.7	879	3.3	92	108	98	149	34	20	121	187	78	118	100	407	45	429	
Peptic ulcer disease	262	0.5	155	0.5	108	0.4	7	9	6	11	3	3	10	18	9	14	20	76	5	72	
Cirrhosis of the liver	796	1.4	507	1.7	289	1.1	33	37	30	59	15	8	52	67	41	58	42	172	15	168	
Appendicitis	22	0.0	12	0.0	10	0.0	1	1	0	2	1	0	1	1	0	1	1	7	0	5	
Diseases of the genitourinary system	825	1.5	450	1.5	375	1.4	57	64	60	52	16	16	60	62	27	27	53	138	28	164	
Nephritis/nephrosis	625	1.1	332	1.1	294	1.1	38	42	41	41	13	9	52	41	21	15	40	115	24	133	
Benign prostatic hypertrophy	36	0.1	36	0.1	...	...	3	4	1	2	0	1	2	1	1	2	2	11	0	5	
Skin diseases	67	0.1	29	0.1	38	0.1	10	12	4	6	2	1	3	8	0	3	5	8	1	2	
Musculoskeletal diseases	113	0.2	38	0.1	74	0.3	6	7	15	10	2	1	3	19	2	5	11	8	5	19	
Rheumatoid arthritis	24	0.0	7	0.0	18	0.1	1	1	3	2	0	0	0	4	1	3	0	2	2	5	
Osteoarthritis	4	0.0	1	0.0	3	0.0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	
Congenital abnormalities	507	0.9	257	0.9	249	0.9	29	38	13	40	9	18	57	11	13	14	20	129	4	112	
Oral diseases	2	0.0	1	0.0	1	0.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Dental caries	0	0.0	0	0.0	0	0.0	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	0	0	0	0	0	0	0	0	0	
Edentulism	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>III. Injuries</b>	<b>5 103</b>	<b>9.0</b>	<b>3 374</b>	<b>11.4</b>	<b>1 729</b>	<b>6.4</b>	<b>298</b>	<b>437</b>	<b>176</b>	<b>324</b>	<b>57</b>	<b>106</b>	<b>295</b>	<b>197</b>	<b>113</b>	<b>453</b>	<b>275</b>	<b>1 188</b>	<b>84</b>	<b>1 098</b>	
Unintentional	3 508	6.2	2 251	7.6	1 257	4.7	218	251	117	170	43	87	196	141	79	286	215	909	48	748	
Road traffic accidents	1 194	2.1	848	2.9	346	1.3	79	100	49	78	14	41	62	47	22	56	139	214	14	278	
Poisoning	343	0.6	216	0.7	127	0.5	16	21	14	2	1	3	15	6	6	92	8	87	2	71	
Falls	385	0.7	229	0.8	156	0.6	9	10	18	12	1	5	18	49	9	23	17	104	7	102	
Fires	309	0.5	129	0.4	181	0.7	19	17	4	4	1	7	24	3	3	30	9	169	2	18	
Drowning	403	0.7	277	0.9	126	0.5	50	42	4	16	4	5	22	4	7	26	12	79	6	126	
Other unintentional injuries	874	1.5	553	1.9	321	1.2	45	61	28	58	22	26	55	32	31	60	30	256	17	153	
Intentional	1 594	2.8	1 123	3.8	472	1.8	80	186	59	154	14	19	99	57	33	167	60	278	36	351	
Self-inflicted	849	1.5	521	1.8	328	1.2	11	17	37	25	3	10	25	51	22	95	35	199	35	283	
Violence	500	0.9	383	1.3	117	0.4	45	71	19	120	11	6	16	4	8	58	14	63	1	64	
War	230	0.4	207	0.7	23	0.1	24	98	3	8	0	2	57	1	2	13	12	8	0	3	

<sup>a</sup> See the List of Member States by WHO Region and mortality stratum.<sup>b</sup> Estimates for specific causes may not sum to broader cause groupings due to omission of residual categories.<sup>c</sup> Does not include liver cancer and cirrhosis deaths resulting from chronic hepatitis virus infection.

... Data not available or not applicable.