

Annex Table 3 Burden of disease in DALYs by cause, sex and mortality stratum in WHO regions,^a estimates for 2002Figures 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			SOUTH-EAST ASIA			EUROPE			EASTERN MEDITERRANEAN		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		
Population (000)	6 224 985		3 131 052		3 093 933		311 273	360 965	333 580	445 161	73 810	Population (000)	298 234	1 292 598	415 323	222 846	239 717	142 528	360 296	155 400	1 562 136	
TOTAL DALYs	1 490 126	100	772 912	100	717 213	100	160 415	200 961	46 868	81 589	17 130	TOTAL DALYs	62 463	364 110	51 725	37 697	60 900	24 074	115 005	16 384	248 495	
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	610 319	41.0	296 796	38.4	313 523	43.7	115 317	150 405	3 106	16 334	7 210	I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	18 533	166 116	2 552	6 198	5 287	4 444	59 929	929	53 358	
Infectious and parasitic diseases	350 333	23.5	179 307	23.2	171 025	23.8	75 966	111 483	1 228	6 719	3 944	Infectious and parasitic diseases	10 598	78 355	891	2 040	2 734	1 529	30 881	322	23 349	
Tuberculosis	34 736	2.3	21 905	2.8	12 831	1.8	3 786	5 480	12	506	410	Tuberculosis	3 167	10 764	47	437	1 031	112	2 928	37	5 993	
STIs excluding HIV	11 347	0.8	3 855	0.5	7 492	1.0	1 930	2 444	75	487	69	STIs excluding HIV	479	3 475	79	149	125	144	1 327	34	515	
Syphilis	4 200	0.3	1 970	0.3	2 230	0.3	1 028	1 417	2	56	20	Syphilis	35	860	3	7	4	3	706	1	54	
Chlamydia	3 571	0.2	302	0.0	3 269	0.5	364	428	55	241	15	Chlamydia	262	1 251	61	95	79	100	309	25	281	
Gonorrhoea	3 365	0.2	1 473	0.2	1 892	0.3	520	573	16	183	31	Gonorrhoea	164	1 261	15	43	39	39	296	7	172	
HIV/AIDS	84 458	5.7	42 663	5.5	41 795	5.8	14 620	49 343	454	1 594	1 163	HIV/AIDS	1 501	10 628	201	39	1 149	51	1 351	8	2 295	
Diarrhoeal diseases	61 966	4.2	32 353	4.2	29 614	4.1	11 548	11 689	106	1 494	750	Diarrhoeal diseases	1 482	18 817	110	485	97	568	8 093	46	6 641	
Childhood diseases	41 480	2.8	20 713	2.7	20 767	2.9	11 061	7 934	54	177	162	Childhood diseases	1 502	12 722	66	259	29	55	5 568	34	1 834	
Pertussis	12 595	0.8	6 283	0.8	6 312	0.9	3 078	2 165	52	163	146	Pertussis	126	4 336	64	59	25	37	1 878	33	425	
Poliomyelitis ^e	151	0.0	76	0.0	74	0.0	11	4	3	6	1	Poliomyelitis ^e	9	56	1	1	0	4	13	0	43	
Diphtheria	185	0.0	96	0.0	89	0.0	24	24	0	2	7	Diphtheria	7	96	0	1	2	0	16	0	6	
Measles	21 475	1.4	10 727	1.4	10 748	1.5	6 328	4 587	0	0	0	Measles	1 111	5 772	1	195	2	9	2 470	0	988	
Tetanus	7 074	0.5	3 530	0.5	3 543	0.5	1 620	1 155	0	6	8	Tetanus	249	2 462	0	2	0	4	1 192	0	371	
Meningitis	6 192	0.4	3 082	0.4	3 110	0.4	394	497	43	356	280	Meningitis	219	1 906	67	325	85	85	1 134	11	781	
Hepatitis B ^f	2 170	0.1	1 459	0.2	711	0.1	302	280	20	56	38	Hepatitis B ^f	143	576	17	53	19	24	166	16	459	
Hepatitis C ^f	1 004	0.1	668	0.1	336	0.0	120	122	77	29	1	Hepatitis C ^f	67	212	36	19	9	12	69	39	189	
Malaria	46 486	3.1	22 243	2.9	24 242	3.4	20 070	20 785	0	86	25	Malaria	502	2 275	1	20	0	92	2 158	0	441	
Tropical diseases	12 245	0.8	8 273	1.1	3 973	0.6	2 939	2 743	9	604	178	Tropical diseases	251	4 334	0	7	0	45	601	0	516	
Trypanosomiasis	1 525	0.1	966	0.1	559	0.1	744	740	0	0	0	Trypanosomiasis	0	0	0	0	0	0	39	0	0	
Chagas disease	667	0.0	343	0.0	324	0.0	0	0	8	483	171	Chagas disease	0	0	0	0	0	0	0	0	0	
Schistosomiasis	1 702	0.1	1 020	0.1	681	0.1	621	713	0	74	0	Schistosomiasis	3	4	0	0	0	29	197	0	55	
Leishmaniasis	2 090	0.1	1 249	0.2	840	0.1	208	175	1	38	5	Leishmaniasis	6	1 352	0	6	0	16	232	0	50	
Lymphatic filariasis	5 777	0.4	4 413	0.6	1 364	0.2	976	1 035	0	9	1	Lymphatic filariasis	242	2 977	0	1	0	0	122	0	411	
Onchocerciasis	484	0.0	280	0.0	204	0.0	390	80	0	1	1	Onchocerciasis	0	0	0	0	0	0	10	0	0	
Leprosy	199	0.0	117	0.0	82	0.0	12	11	0	18	0	Leprosy	13	105	0	0	0	0	25	0	13	
Dengue	616	0.0	279	0.0	337	0.0	1	4	0	31	38	Dengue	89	292	0	0	0	10	20	0	131	
Japanese encephalitis	709	0.0	338	0.0	371	0.1	0	0	0	0	0	Japanese encephalitis	29	277	0	0	0	0	83	0	320	
Trachoma	2 329	0.2	597	0.1	1 732	0.2	486	726	0	162	2	Trachoma	0	168	0	0	0	91	283	0	400	
Intestinal nematode infections	2 951	0.2	1 490	0.2	1 461	0.2	809	329	1	66	101	Intestinal nematode infections	135	669	0	1	0	1	225	2	611	
Ascariasis	1 817	0.1	910	0.1	907	0.1	714	144	0	23	39	Ascariasis	63	346	0	0	0	0	158	1	325	
Trichuriasis	1 006	0.1	519	0.1	488	0.1	78	155	1	42	29	Trichuriasis	63	305	0	0	0	0	60	1	272	
Hookworm disease	59	0.0	31	0.0	27	0.0	17	29	0	0	0	Hookworm disease	8	1	0	0	0	0	2	0	1	
Respiratory infections	94 603	6.3	48 177	6.2	46 427	6.5	18 976	16 619	390	1 876	1 050	Respiratory infections	1 824	31 202	690	1 524	901	552	10 267	344	8 310	
Lower respiratory infections	91 374	6.1	46 548	6.0	44 826	6.3	18 625	16 286	337	1 721	986	Lower respiratory infections	1 707	30 551	626	1 427	811	504	9 949	322	7 447	
Upper respiratory infections	1 795	0.1	874	0.1	921	0.1	229	191	14	43	41	Upper respiratory infections	45	301	27	62	66	11	202	9	552	
Otitis media	1 435	0.1	755	0.1	680	0.1	122	141	38	112	24	Otitis media	72	350	37	35	24	38	116	13	310	
Maternal conditions	33 632	2.3	33 632	4.7	5 200	6 549	215	1 154	544	Maternal conditions	1 004	10 391	167	370	269	412	4 104	67	3 146	
Perinatal conditions ^g	97 335	6.5	53 212	6.9	44 123	6.2	10 869	10 485	781	5 528	1 098	Perinatal conditions ^g	3 414	35 733	501	1 592	655	1 321	10 817	68	14 321	
Nutritional deficiencies	34 417	2.3	16 100	2.1	18 316	2.6	4 305	5 269	493	1 057	575	Nutritional deficiencies	1 693	10 435	303	671	729	631	3 860	128	4 232	
Protein-energy malnutrition	16 910	1.1	8 580	1.1	8 330	1.2	2 705	3 044	36	651	264	Protein-energy malnutrition	703	5 392	24	109	54	174	1 869	18	1 850	
Iodine deficiency	3 519	0.2	1 759	0.2	1 760	0.2	261	868	7	97	33	Iodine deficiency	81	571	3	241	449	121	623	0	163	
Vitamin A deficiency	793	0.1	364	0.0	428	0.1	347	248	0	0	1	Vitamin A deficiency	1	100	0	1	0	0	90	0	5	
Iron-deficiency anaemia	12 224	0.8	4 998	0.6	7 226	1.0	975	1 089	446	274	268	Iron-deficiency anaemia	891	3 959	271	297	200	334	928	106	2 171	

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	Both sexes		Males		Females		Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			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	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Very low child, very low adult	Low child, low adult							
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Respiratory diseases	55 153	3.7	30 247	3.9	24 907	3.5	2 505	2 978	3 239	4 061	668	Respiratory diseases	2 620	13 010	3 406	1 547	1 782	843	2 877	1 067	14 469													
Chronic obstructive pulmonary disease	27 756	1.9	15 302	2.0	12 454	1.7	514	668	1 743	1 419	195	Chronic obstructive pulmonary disease	1 420	6 740	1 744	673	1 036	349	989	415	9 820													
Asthma	15 334	1.0	8 240	1.1	7 094	1.0	952	1 260	792	1 576	278	Asthma	614	3 821	700	358	301	280	1 006	361	3 007													
Digestive diseases	46 476	3.1	25 374	3.3	21 102	2.9	2 377	2 727	1 589	3 309	645	Digestive diseases	2 534	11 671	2 414	1 900	3 082	679	3 353	664	9 448													
Peptic ulcer disease	4 630	0.3	2 926	0.4	1 704	0.2	151	176	52	136	37	Peptic ulcer disease	229	1 809	130	149	211	34	230	36	1 249													
Cirrhosis of the liver	13 977	0.9	8 629	1.1	5 348	0.7	447	510	485	1 094	206	Cirrhosis of the liver	666	3 676	909	649	1 176	128	1 021	177	2 814													
Appendicitis	395	0.0	228	0.0	167	0.0	23	26	15	39	16	Appendicitis	18	94	16	10	22	6	16	5	89													
Diseases of the genitourinary system	15 217	1.0	8 575	1.1	6 642	0.9	986	1 101	631	1 091	244	Diseases of the genitourinary system	905	3 180	546	534	636	378	1 175	229	3 529													
Nephritis/nephrosis	8 394	0.6	4 443	0.6	3 951	0.6	620	681	265	496	148	Nephritis/nephrosis	549	1 984	196	259	205	115	785	97	1 978													
Benign prostatic hypertrophy	2 466	0.2	2 466	0.3	113	126	88	210	29	Benign prostatic hypertrophy	125	539	123	65	81	59	138	51	714													
Skin diseases	3 748	0.3	1 854	0.2	1 894	0.3	395	452	79	323	68	Skin diseases	332	745	90	66	173	66	270	21	659													
Musculoskeletal diseases	30 169	2.0	13 244	1.7	16 925	2.4	1 080	1 151	1 751	2 223	311	Musculoskeletal diseases	1 593	5 334	2 197	1 513	1 924	518	1 278	878	8 359													
Rheumatoid arthritis	4 866	0.3	1 385	0.2	3 482	0.5	133	143	332	550	86	Rheumatoid arthritis	122	880	427	277	344	101	228	142	1 090													
Osteoarthritis	14 861	1.0	5 797	0.7	9 065	1.3	595	641	860	857	102	Osteoarthritis	893	2 302	1 187	828	1 073	216	548	526	4 208													
Congenital abnormalities	27 381	1.8	14 125	1.8	13 256	1.8	1 384	2 072	682	2 275	364	Congenital abnormalities	1 170	7 540	555	684	683	947	3 464	205	5 294													
Oral diseases	7 372	0.5	3 617	0.5	3 754	0.5	269	311	308	824	150	Oral diseases	517	1 590	378	311	315	312	583	142	1 341													
Dental caries	4 769	0.3	2 414	0.3	2 355	0.3	186	216	183	715	132	Dental caries	253	1 088	201	194	163	197	382	75	771													
Periodontal disease	302	0.0	152	0.0	150	0.0	15	17	13	21	3	Periodontal disease	15	100	17	11	13	5	19	6	47													
Edentulism	2 185	0.1	1 015	0.1	1 170	0.2	64	72	109	80	13	Edentulism	239	376	157	105	138	106	174	59	488													
III. Injuries	181 991	12.2	119 885	15.5	62 106	8.7	14 974	15 829	4 545	13 430	1 889	III. Injuries	8 217	47 330	4 081	4 058	12 806	4 767	12 714	1 627	35 347													
Unintentional	133 112	8.9	84 118	10.9	48 993	6.8	11 621	9 921	3 133	6 813	1 451	Unintentional	5 866	37 872	3 042	3 123	8 317	4 225	9 768	971	26 732													
Road traffic accidents	38 676	2.6	27 224	3.5	11 452	1.6	3 654	3 537	1 368	2 580	348	Road traffic accidents	2 415	7 601	1 233	641	1 732	1 856	2 732	309	8 595													
Poisoning	7 401	0.5	4 820	0.6	2 581	0.4	577	490	333	64	16	Poisoning	156	1 668	126	126	1 885	73	266	37	1 572													
Falls	16 201	1.1	9 929	1.3	6 271	0.9	612	456	371	645	131	Falls	669	5 037	615	481	939	508	1 212	179	4 316													
Fires	11 471	0.8	4 595	0.6	6 875	1.0	1 090	897	100	132	37	Fires	459	6 095	57	153	425	293	1 091	27	603													
Drowning	10 840	0.7	7 458	1.0	3 382	0.5	1 065	853	116	455	81	Drowning	397	2 343	74	167	649	155	651	64	3 751													
Other unintentional injuries	48 523	3.3	30 091	3.9	18 432	2.6	4 623	3 688	844	2 937	838	Other unintentional injuries	1 770	15 128	937	1 556	2 686	1 340	3 815	356	7 895													
Intentional	48 879	3.3	35 767	4.6	13 112	1.8	3 353	5 908	1 412	6 617	437	Intentional	2 351	9 459	1 039	935	4 489	543	2 946	656	8 614													
Self-inflicted	20 767	1.4	12 344	1.6	8 423	1.2	391	502	772	652	77	Self-inflicted	961	6 230	890	532	1 969	258	749	616	6 152													
Violence	21 429	1.4	17 505	2.3	3 925	0.5	2 343	2 924	629	5 657	358	Violence	936	2 644	134	255	1 912	241	1 031	37	2 260													
War	6 328	0.4	5 629	0.7	700	0.1	619	2 482	1	283	2	War	437	437	14	130	605	26	1 115	2	139													

^a See list of Member States by WHO region and mortality stratum.^b See explanatory notes for sources and methods.^c World totals for males and females include residual populations living outside WHO Member States.^d Estimates for specific causes may not sum to broader cause groupings owing to omission of residual categories.^e For WHO Regions of the Americas, Europe and the Western Pacific, these figures include only late effects of poliomyelitis cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively. For all other regions, except where vital registration reports late effects of polio cases, these deaths are from acute poliomyelitis.^f Does not include liver cancer and cirrhosis deaths resulting from chronic hepatitis virus infection.^g This category includes causes originating in the perinatal period as defined in Chapter XVI of the International Classification of Diseases, principally low birthweight, prematurity, birth asphyxia and birth trauma, and does not include all diseases and injuries occurring in the early neonatal period.

... Data not applicable.