



Annex A

Deaths and DALYs 2004: Annex tables

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Table A1: Deaths by cause, sex and income group in WHO regions,^a estimates for 2004

Cause ^b	Sex ^c						Africa	South East Asia	The Americas		
	Both sexes		Males		Females		Low and middle income	Low and middle income	Total	High income	Low and middle income
Population (millions)	6 437		3 244		3 193		738	1 672	874	329	545
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Total deaths	58 772	100	31 082	100	27 690	100	11 248	15 279	6 158	2 695	3 464
Communicable, maternal, perinatal and nutritional conditions	17 971	30.6	9 284	29.9	8 687	31.4	7 682	5 636	835	165	669
Infectious and parasitic diseases	9 519	16.2	5 198	16.7	4 321	15.6	4 849	2 674	350	72	278
Tuberculosis	1 464	2.5	969	3.1	494	1.8	405	519	46	1	45
STDs excluding HIV	128	0.2	71	0.2	57	0.2	44	58	2	0	2
Syphilis	99	0.2	60	0.2	39	0.1	36	42	1	0	1
Chlamydia	9	0.0	0	0.0	9	0.0	0	8	0	0	0
Gonorrhoea	1	0.0	0	0.0	0	0.0	0	0	0	0	0
HIV/AIDS	2 040	3.5	1 027	3.3	1 013	3.7	1 651	206	74	14	60
Diarrhoeal diseases	2 163	3.7	1 127	3.6	1 037	3.7	1 005	684	70	5	64
Childhood-cluster diseases	847	1.4	458	1.5	390	1.4	356	363	6	0	6
Pertussis	254	0.4	129	0.4	125	0.5	102	116	4	0	4
Poliomyelitis ^d	1	0.0	1	0.0	1	0.0	0	0	0	0	0
Diphtheria	5	0.0	3	0.0	3	0.0	2	2	0	0	0
Measles	424	0.7	220	0.7	204	0.7	182	191	0	0	0
Tetanus	163	0.3	105	0.3	58	0.2	69	54	1	0	1
Meningitis	340	0.6	181	0.6	159	0.6	156	103	13	1	12
Hepatitis B ^e	105	0.2	74	0.2	31	0.1	12	37	5	1	4
Hepatitis C ^e	54	0.1	36	0.1	18	0.1	5	14	8	5	3
Malaria	889	1.5	456	1.5	433	1.6	806	36	2	0	2
Tropical-cluster diseases	152	0.3	94	0.3	58	0.2	95	32	13	0	13
Trypanosomiasis	52	0.1	33	0.1	19	0.1	50	0	0	0	0
Chagas disease	11	0.0	7	0.0	5	0.0	0	0	11	0	11
Schistosomiasis	41	0.1	26	0.1	15	0.1	36	0	1	0	1
Leishmaniasis	47	0.1	29	0.1	18	0.1	9	32	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	5	0.0	4	0.0	1	0.0	1	3	0	0	0
Dengue	18	0.0	9	0.0	9	0.0	0	11	2	0	2
Japanese encephalitis	11	0.0	5	0.0	6	0.0	0	8	0	0	0
Trachoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Intestinal nematode infections	6	0.0	4	0.0	3	0.0	0	3	1	0	1
Ascariasis	2	0.0	1	0.0	1	0.0	0	1	0	0	0
Trichuriasis	2	0.0	1	0.0	1	0.0	0	1	0	0	0
Hookworm disease	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Respiratory infections	4 259	7.2	2 207	7.1	2 052	7.4	1 437	1 416	261	68	193
Lower respiratory infections	4 177	7.1	2 163	7.0	2 014	7.3	1 417	1 395	258	68	190
Upper respiratory infections	77	0.1	41	0.1	36	0.1	17	20	2	0	2
Otitis media	5	0.0	3	0.0	2	0.0	3	1	0	0	0
Maternal conditions	527	0.9	0	0.0	527	1.9	259	169	16	1	16
Maternal haemorrhage	140	0.2	0	0.0	140	0.5	62	52	3	0	3
Maternal sepsis	62	0.1	0	0.0	62	0.2	30	23	1	0	1
Hypertensive disorders of pregnancy	62	0.1	0	0.0	62	0.2	22	24	4	0	4
Obstructed labour	34	0.1	0	0.0	34	0.1	13	17	0	0	0
Abortion	68	0.1	0	0.0	68	0.2	36	21	2	0	2
Perinatal conditions^f	3 180	5.4	1 657	5.3	1 523	5.5	977	1 198	150	17	133
Prematurity and low birth weight	1 179	2.0	612	2.0	567	2.0	309	478	68	8	60
Birth asphyxia and birth trauma	857	1.5	446	1.4	411	1.5	285	312	28	3	26
Neonatal infections and other conditions ^g	1 144	1.9	599	1.9	546	2.0	382	408	54	7	47

Cause ^b	Eastern Mediterranean			Europe			Western Pacific		
	Total	High income	Low and middle income	Total	High income	Low and middle income	Total	High income	Low and middle income
Population (millions)	520	31	489	883	407	476	1 738	204	1 534
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total deaths	4 306	113	4 194	9 493	3 809	5 683	12 191	1 478	10 714
Communicable, maternal, perinatal and nutritional conditions	1 664	18	1 646	567	198	368	1 568	151	1 417
Infectious and parasitic diseases	716	7	709	219	56	164	700	32	668
Tuberculosis	111	1	109	77	4	74	305	9	296
STDs excluding HIV	18	0	18	1	0	1	5	0	5
Syphilis	15	0	15	0	0	0	4	0	4
Chlamydia	1	0	1	0	0	0	0	0	0
Gonorrhoea	0	0	0	0	0	0	0	0	0
HIV/AIDS	31	0	31	31	6	25	45	0	45
Diarrhoeal diseases	256	2	254	39	5	35	108	2	106
Childhood-cluster diseases	102	0	102	1	0	1	20	0	20
Pertussis	31	0	31	0	0	0	1	0	1
Poliomyelitis ^d	0	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0
Measles	44	0	44	0	0	0	7	0	7
Tetanus	27	0	27	0	0	0	12	0	12
Meningitis	29	0	29	11	2	9	27	0	27
Hepatitis B ^e	15	0	15	7	3	4	28	2	25
Hepatitis C ^e	7	0	7	5	3	1	15	5	11
Malaria	39	0	39	0	0	0	5	0	5
Tropical-cluster diseases	10	0	10	0	0	0	2	0	2
Trypanosomiasis	2	0	2	0	0	0	0	0	0
Chagas disease	0	0	0	0	0	0	0	0	0
Schistosomiasis	4	0	3	0	0	0	0	0	0
Leishmaniasis	5	0	5	0	0	0	1	0	1
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	1	0	1
Dengue	1	0	1	0	0	0	5	0	5
Japanese encephalitis	0	0	0	0	0	0	3	0	3
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	1	0	1	0	0	0	1	0	1
Ascariasis	0	0	0	0	0	0	0	0	0
Trichuriasis	0	0	0	0	0	0	0	0	0
Hookworm disease	0	0	0	0	0	0	0	0	0
Respiratory infections	421	5	416	244	124	120	475	112	363
Lower respiratory infections	414	5	410	235	120	114	452	112	340
Upper respiratory infections	6	0	6	9	3	5	22	0	22
Otitis media	0	0	0	0	0	0	0	0	0
Maternal conditions	61	0	60	3	0	3	18	0	18
Maternal haemorrhage	17	0	17	1	0	1	6	0	6
Maternal sepsis	6	0	6	0	0	0	1	0	1
Hypertensive disorders of pregnancy	8	0	8	0	0	0	3	0	3
Obstructed labour	3	0	3	0	0	0	1	0	1
Abortion	7	0	7	0	0	0	2	0	2
Perinatal conditions^f	416	5	411	88	10	77	348	3	345
Prematurity and low birth weight	135	3	132	39	5	35	149	1	148
Birth asphyxia and birth trauma	109	1	107	22	2	19	99	1	99
Neonatal infections and other conditions ^g	172	1	171	27	4	23	99	1	98

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Annex A

Annex B

Annex C

References

(Table A1 continued)

Cause ^b	Sex ^c						Africa	South East Asia	The Americas		
	Both sexes		Males		Females		Low and middle income	Low and middle income	Total	High income	Low and middle income
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Population (millions)	6 437		3 244		3 193		738	1 672	874	329	545
Total deaths	58 772	100	31 082	100	27 690	100	11 248	15 279	6 158	2 695	3 464
Nutritional deficiencies	487	0.8	223	0.7	264	1.0	159	179	57	7	50
Protein-energy malnutrition	251	0.4	127	0.4	124	0.4	111	55	39	3	36
Iodine deficiency	5	0.0	3	0.0	2	0.0	2	1	0	0	0
Vitamin A deficiency	17	0.0	9	0.0	8	0.0	13	2	0	0	0
Iron-deficiency anaemia	153	0.3	55	0.2	98	0.4	27	83	15	3	12
II. Noncommunicable conditions	35 017	59.6	17 985	57.9	17 032	61.5	2 797	7 695	4 737	2 347	2 390
Malignant neoplasms	7 424	12.6	4 154	13.4	3 270	11.8	480	1 195	1 180	642	537
Mouth and oropharynx cancers	335	0.6	239	0.8	96	0.3	22	158	25	10	15
Oesophagus cancer	508	0.9	331	1.1	177	0.6	32	97	32	17	15
Stomach cancer	803	1.4	499	1.6	304	1.1	32	70	77	16	61
Colon and rectum cancer	639	1.1	336	1.1	303	1.1	21	73	112	70	42
Liver cancer	610	1.0	418	1.3	192	0.7	60	58	36	17	19
Pancreas cancer	265	0.5	137	0.4	128	0.5	10	23	57	36	21
Trachea, bronchus and lung cancers	1 323	2.3	943	3.0	381	1.4	25	154	244	182	62
Melanoma and other skin cancers	68	0.1	37	0.1	31	0.1	7	4	20	13	7
Breast cancer	519	0.9	2	0.0	517	1.9	43	94	100	53	47
Cervix uteri cancer	268	0.5	0	0.0	268	1.0	50	102	39	7	31
Corpus uteri cancer	55	0.1	0	0.0	55	0.2	2	7	12	7	5
Ovary cancer	144	0.2	0	0.0	144	0.5	9	34	28	17	11
Prostate cancer	308	0.5	308	1.0	0	0.0	51	31	93	38	56
Bladder cancer	187	0.3	138	0.4	49	0.2	14	27	29	17	12
Lymphomas and multiple myeloma	332	0.6	191	0.6	142	0.5	37	67	69	43	26
Leukaemia	277	0.5	154	0.5	123	0.4	14	53	50	27	23
Other neoplasms	163	0.3	83	0.3	80	0.3	17	20	30	16	14
Diabetes mellitus	1 141	1.9	508	1.6	633	2.3	172	280	258	84	173
Endocrine disorders	303	0.5	141	0.5	162	0.6	67	36	67	34	34
Neuropsychiatric disorders	1 263	2.1	647	2.1	616	2.2	126	275	280	201	79
Unipolar depressive disorders	15	0.0	7	0.0	8	0.0	0	10	1	1	0
Bipolar affective disorder	1	0.0	0	0.0	1	0.0	0	0	0	0	0
Schizophrenia	30	0.1	15	0.0	14	0.1	3	15	1	1	0
Epilepsy	142	0.2	82	0.3	60	0.2	47	32	9	2	8
Alcohol use disorders	88	0.1	75	0.2	13	0.0	4	17	23	8	15
Alzheimer and other dementias	492	0.8	181	0.6	312	1.1	20	92	153	132	21
Parkinson disease	110	0.2	58	0.2	52	0.2	4	11	27	21	6
Multiple sclerosis	17	0.0	7	0.0	11	0.0	1	1	5	4	1
Drug use disorders	91	0.2	75	0.2	16	0.1	3	27	9	5	4
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	4	0.0	2	0.0	2	0.0	1	1	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
Refractive errors	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
Macular degeneration and other ^h	4	0.0	2	0.0	2	0.0	1	1	0	0	0

Cause ^b	Eastern Mediterranean			Europe			Western Pacific		
	Total	High income	Low and middle income	Total	High income	Low and middle income	Total	High income	Low and middle income
Population (millions)	520	31	489	883	407	476	1 738	204	1 534
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total deaths	4 306	113	4 194	9 493	3 809	5 683	12 191	1 478	10 714
Nutritional deficiencies	50	0	50	13	8	5	27	3	24
Protein-energy malnutrition	26	0	26	5	4	1	14	2	13
Iodine deficiency	2	0	2	0	0	0	0	0	0
Vitamin A deficiency	2	0	2	0	0	0	0	0	0
Iron-deficiency anaemia	12	0	12	7	4	4	9	1	8
II. Noncommunicable conditions	2 157	76	2 081	8 137	3 425	4 711	9 428	1 208	8 220
Malignant neoplasms	296	12	283	1 862	1 042	820	2 398	458	1 940
Mouth and oropharynx cancers	22	1	21	51	23	28	56	8	48
Oesophagus cancer	22	0	22	50	29	21	275	15	260
Stomach cancer	23	1	22	155	59	96	446	69	377
Colon and rectum cancer	16	1	15	238	137	101	178	57	121
Liver cancer	12	1	11	65	39	25	377	50	327
Pancreas cancer	5	0	5	93	56	37	77	29	48
Trachea, bronchus and lung cancers	33	1	31	371	207	164	495	87	408
Melanoma and other skin cancers	2	0	2	28	17	12	6	4	2
Breast cancer	29	1	28	158	90	69	93	17	76
Cervix uteri cancer	7	0	7	34	11	23	36	6	30
Corpus uteri cancer	2	0	2	25	11	13	7	3	4
Ovary cancer	6	0	5	46	25	21	22	6	15
Prostate cancer	8	0	8	97	69	28	26	14	12
Bladder cancer	21	0	21	62	37	25	33	8	25
Lymphomas and multiple myeloma	25	2	24	79	55	24	55	19	37
Leukaemia	20	1	19	67	39	29	71	11	60
Other neoplasms	22	0	22	41	32	9	33	12	20
Diabetes mellitus	61	6	55	155	98	58	210	33	176
Endocrine disorders	29	2	27	37	30	8	65	11	55
Neuropsychiatric disorders	95	2	93	287	211	76	197	38	159
Unipolar depressive disorders	1	0	1	2	2	0	0	0	0
Bipolar affective disorder	0	0	0	0	0	0	0	0	0
Schizophrenia	2	0	2	3	1	2	7	1	6
Epilepsy	11	0	10	15	7	8	27	2	25
Alcohol use disorders	3	0	3	26	13	14	16	2	14
Alzheimer and other dementias	14	0	14	137	125	12	74	19	55
Parkinson disease	3	0	3	29	25	4	36	6	30
Multiple sclerosis	1	0	1	8	4	3	2	0	2
Drug use disorders	34	0	34	15	4	11	3	0	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	1	0	1	1	0	0	0	0	0
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Refractive errors	0	0	0	0	0	0	0	0	0
Hearing loss, adult onset	0	0	0	0	0	0	0	0	0
Macular degeneration and other ^h	1	0	1	1	0	0	0	0	0

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Annex A

Annex B

Annex C

References

(Table A1 continued)

Cause ^b	Sex ^c						Africa	South East Asia	The Americas		
	Both sexes		Males		Females		Low and middle income	Low and middle income	Total	High income	Low and middle income
Population (millions)	6 437		3 244		3 193		738	1 672	874	329	545
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Total deaths	58 772	100	31 082	100	27 690	100	11 248	15 279	6 158	2 695	3 464
Cardiovascular diseases	17 073	29.0	8 338	26.8	8 735	31.5	1 175	3 875	1 969	982	987
Rheumatic heart disease	298	0.5	127	0.4	171	0.6	11	129	10	4	6
Hypertensive heart disease	987	1.7	457	1.5	530	1.9	78	156	151	49	103
Ischaemic heart disease	7 198	12.2	3 827	12.3	3 371	12.2	346	2 011	925	532	394
Cerebrovascular disease	5 712	9.7	2 661	8.6	3 051	11.0	425	1 074	461	176	285
Inflammatory heart diseases ⁱ	440	0.7	229	0.7	211	0.8	53	74	69	35	33
Respiratory diseases	4 036	6.9	2 155	6.9	1 881	6.8	310	1 057	398	188	210
Chronic obstructive pulmonary disease	3 025	5.1	1 620	5.2	1 405	5.1	121	821	240	132	108
Asthma	287	0.5	151	0.5	136	0.5	63	101	16	4	11
Digestive diseases	2 045	3.5	1 166	3.8	879	3.2	216	515	307	98	209
Peptic ulcer disease	270	0.5	163	0.5	107	0.4	26	105	19	4	15
Cirrhosis of the liver	772	1.3	510	1.6	262	0.9	28	210	113	30	83
Appendicitis	22	0.0	13	0.0	9	0.0	2	8	3	1	3
Diseases of the genitourinary system	928	1.6	493	1.6	435	1.6	100	279	152	68	85
Nephritis and nephrosis	739	1.3	385	1.2	354	1.3	88	229	115	49	65
Benign prostatic hypertrophy	39	0.1	39	0.1	0	0.0	2	20	3	1	3
Skin diseases	68	0.1	27	0.1	41	0.1	16	16	13	5	9
Musculoskeletal diseases	127	0.2	45	0.1	81	0.3	18	18	30	17	14
Rheumatoid arthritis	26	0.0	8	0.0	18	0.1	2	4	6	3	3
Osteoarthritis	7	0.0	2	0.0	4	0.0	2	1	2	1	1
Congenital abnormalities	440	0.7	225	0.7	215	0.8	96	126	51	12	39
Oral diseases	3	0.0	2	0.0	2	0.0	1	1	1	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	5 784	9.8	3 812	12.3	1 972	7.1	769	1 949	586	182	404
Unintentional	3 906	6.6	2 520	8.1	1 386	5.0	496	1 331	342	126	216
Road traffic accidents	1 275	2.2	944	3.0	331	1.2	205	306	152	48	103
Poisonings	346	0.6	222	0.7	124	0.4	42	96	25	22	3
Falls	424	0.7	260	0.8	164	0.6	19	126	41	22	20
Fires	310	0.5	120	0.4	190	0.7	48	186	8	4	5
Drownings	388	0.7	263	0.8	125	0.5	62	100	22	4	19
Other unintentional injuries	1 163	2.0	711	2.3	452	1.6	121	517	93	26	67
Intentional	1 642	2.8	1 181	3.8	461	1.7	273	392	238	57	181
Self-inflicted injuries	844	1.4	529	1.7	316	1.1	50	252	69	37	32
Violence	600	1.0	485	1.6	115	0.4	182	115	155	18	137
War and conflict	184	0.3	155	0.5	29	0.1	40	20	11	1	10

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

Cause ^b	Eastern Mediterranean			Europe			Western Pacific		
	Total	High income	Low and middle income	Total	High income	Low and middle income	Total	High income	Low and middle income
Population (millions)	520	31	489	883	407	476	1 738	204	1 534
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total deaths	4 306	113	4 194	9 493	3 809	5 683	12 191	1 478	10 714
Cardiovascular diseases	1 163	42	1 121	4 767	1 520	3 247	4 094	467	3 627
Rheumatic heart disease	25	0	24	30	10	19	93	3	90
Hypertensive heart disease	103	10	93	179	69	110	316	16	300
Ischaemic heart disease	579	20	559	2 296	622	1 674	1 029	151	878
Cerebrovascular disease	254	5	249	1 364	380	984	2 128	196	1 932
Inflammatory heart diseases ⁱ	33	0	33	123	33	90	87	9	78
Respiratory diseases	164	3	161	374	203	171	1 728	79	1 649
Chronic obstructive pulmonary disease	99	1	97	234	122	112	1 508	30	1 478
Asthma	23	0	22	36	8	28	49	8	41
Digestive diseases	160	3	156	420	182	238	422	62	360
Peptic ulcer disease	13	0	13	37	15	22	70	5	65
Cirrhosis of the liver	69	1	68	185	60	125	166	25	141
Appendicitis	1	0	1	2	1	1	5	0	4
Diseases of the genitourinary system	89	3	86	117	67	50	187	33	154
Nephritis and nephrosis	74	3	71	80	45	35	152	29	123
Benign prostatic hypertrophy	3	0	3	5	1	4	6	0	6
Skin diseases	6	1	5	12	8	3	5	2	3
Musculoskeletal diseases	4	0	4	28	22	6	28	8	20
Rheumatoid arthritis	1	0	1	6	3	2	8	2	5
Osteoarthritis	0	0	0	2	2	0	0	0	0
Congenital abnormalities	69	3	67	36	11	24	61	4	56
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	485	19	466	789	186	604	1 196	119	1 077
Unintentional	321	16	305	564	131	432	846	68	778
Road traffic accidents	146	7	139	129	38	91	336	21	314
Poisonings	17	0	17	107	6	101	59	2	57
Falls	24	2	23	79	40	38	134	12	122
Fires	29	0	29	23	3	20	16	2	14
Drownings	30	2	28	34	4	30	139	7	132
Other unintentional injuries	76	5	71	191	40	152	163	23	140
Intentional	163	3	160	226	54	171	348	51	297
Self-inflicted injuries	36	2	35	151	49	102	286	49	236
Violence	25	1	24	65	5	60	57	2	55
War and conflict	99	0	99	10	0	9	2	0	2

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Annex A

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Annex C

References

Table A2: Burden of disease in DALYs by cause, sex and income group in WHO regions,^a estimates for 2004

Cause ^b	Sex ^c						Africa	South East Asia	The Americas		
	Both sexes		Males		Females		Low and middle income	Low and middle income	Total	High income	Low and middle income
Population (millions)	6 437		3 244		3 193		738	1 672	874	329	545
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Total DALYs	1 523 259	100	796 133	100	727 126	100	376 525	442 979	143 233	45 116	98 116
Communicable, maternal, perinatal and nutritional conditions	603 993	39.7	294 075	36.9	309 918	42.6	267 725	184 876	24 544	2 707	21 837
Infectious and parasitic diseases	302 144	19.8	159 741	20.1	142 403	19.6	159 817	82 900	9 650	1 102	8 548
Tuberculosis	34 217	2.2	21 658	2.7	12 558	1.7	10 827	12 386	893	10	882
STDs excluding HIV	10 425	0.7	3 558	0.4	6 866	0.9	3 449	4 072	637	65	572
Syphilis	2 846	0.2	1 531	0.2	1 316	0.2	1 340	841	78	1	77
Chlamydia	3 748	0.2	320	0.0	3 428	0.5	842	1 600	313	51	262
Gonorrhoea	3 550	0.2	1 554	0.2	1 996	0.3	1 186	1 501	231	12	219
HIV/AIDS	58 513	3.8	28 569	3.6	29 944	4.1	46 653	6 097	2 147	388	1 759
Diarrhoeal diseases	72 777	4.8	37 905	4.8	34 872	4.8	32 203	22 987	2 576	107	2 469
Childhood-cluster diseases	30 226	2.0	16 221	2.0	14 005	1.9	12 549	12 994	254	19	235
Pertussis	9 882	0.6	5 009	0.6	4 873	0.7	3 815	4 463	217	18	199
Poliomyelitis ^d	34	0.0	19	0.0	15	0.0	22	3	3	2	1
Diphtheria	174	0.0	86	0.0	88	0.0	79	72	3	0	3
Measles	14 853	1.0	7 699	1.0	7 154	1.0	6 336	6 706	0	0	0
Tetanus	5 283	0.3	3 409	0.4	1 875	0.3	2 297	1 750	31	0	31
Meningitis	11 426	0.8	5 891	0.7	5 536	0.8	5 334	3 314	458	30	428
Hepatitis B ^e	2 068	0.1	1 437	0.2	630	0.1	355	704	102	13	89
Hepatitis C ^e	955	0.1	653	0.1	302	0.0	155	260	118	77	41
Malaria	33 976	2.2	17 340	2.2	16 636	2.3	30 928	1 341	89	0	89
Tropical-cluster diseases	12 113	0.8	8 264	1.0	3 850	0.5	6 077	4 789	529	0	529
Trypanosomiasis	1 673	0.1	1 041	0.1	631	0.1	1 609	0	0	0	0
Chagas disease	430	0.0	231	0.0	199	0.0	0	0	426	0	426
Schistosomiasis	1 707	0.1	1 021	0.1	686	0.1	1 502	0	46	0	46
Leishmaniasis	1 974	0.1	1 227	0.2	748	0.1	328	1 264	45	0	45
Lymphatic filariasis	5 941	0.4	4 521	0.6	1 420	0.2	2 263	3 525	10	0	10
Onchocerciasis	389	0.0	223	0.0	166	0.0	375	0	1	0	1
Leprosy	194	0.0	116	0.0	78	0.0	25	118	16	0	16
Dengue	670	0.0	336	0.0	334	0.0	9	391	73	0	73
Japanese encephalitis	681	0.0	330	0.0	351	0.0	0	492	0	0	0
Trachoma	1 334	0.1	338	0.0	997	0.1	601	88	15	0	15
Intestinal nematode infections	4 013	0.3	2 052	0.3	1 961	0.3	1 528	1 076	180	0	180
Ascariasis	1 851	0.1	943	0.1	908	0.1	915	404	60	0	60
Trichuriasis	1 012	0.1	525	0.1	487	0.1	236	372	73	0	73
Hookworm disease	1 092	0.1	551	0.1	541	0.1	377	286	20	0	20
Respiratory infections	97 786	6.4	51 266	6.4	46 520	6.4	43 058	29 078	3 877	365	3 512
Lower respiratory infections	94 511	6.2	49 542	6.2	44 969	6.2	42 203	28 321	3 616	316	3 301
Upper respiratory infections	1 787	0.1	952	0.1	835	0.1	534	323	88	14	74
Otitis media	1 488	0.1	772	0.1	716	0.1	322	434	173	35	137
Maternal conditions	38 936	2.6	0	0.0	38 936	5.4	14 906	12 892	2 252	290	1 962
Maternal haemorrhage	4 439	0.3	0	0.0	4 439	0.6	1 986	1 623	93	1	91
Maternal sepsis	6 535	0.4	0	0.0	6 535	0.9	2 010	2 327	524	75	449
Hypertensive disorders of pregnancy	1 888	0.1	0	0.0	1 888	0.3	707	727	126	2	124
Obstructed labour	2 882	0.2	0	0.0	2 882	0.4	913	1 367	67	2	65
Abortion	7 424	0.5	0	0.0	7 424	1.0	2 864	2 957	354	1	353
Perinatal conditions^f	126 423	8.3	64 633	8.1	61 791	8.5	38 191	46 503	6 471	794	5 677
Prematurity and low birth weight	44 307	2.9	22 624	2.8	21 683	3.0	11 317	18 323	2 529	350	2 179
Birth asphyxia and birth trauma	41 684	2.7	21 051	2.6	20 633	2.8	13 433	13 858	1 971	171	1 800
Neonatal infections and other conditions ^g	40 433	2.7	20 957	2.6	19 476	2.7	13 441	14 322	1 970	273	1 697

Cause ^b	Eastern Mediterranean			Europe			Western Pacific		
	Total	High income	Low and middle income	Total	High income	Low and middle income	Total	High income	Low and middle income
Population (millions)	520	31	489	883	407	476	1 738	204	1 534
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total DALYs	141 993	4 379	137 614	151 461	49 331	102 130	264 772	22 305	242 466
Communicable, maternal, perinatal and nutritional conditions	62 440	790	61 650	15 391	2 297	13 094	48 409	1 383	47 027
Infectious and parasitic diseases	23 691	241	23 450	6 041	838	5 203	19 763	490	19 272
Tuberculosis	2 720	33	2 686	1 735	40	1 695	5 631	94	5 537
STDs excluding HIV	1 290	29	1 261	366	77	290	595	38	557
Syphilis	478	1	477	16	3	13	89	1	87
Chlamydia	437	19	417	237	58	179	313	28	285
Gonorrhoea	344	9	335	98	14	83	185	9	176
HIV/AIDS	920	8	912	1 180	196	983	1 453	15	1 439
Diarrhoeal diseases	8 349	100	8 249	1 393	114	1 279	5 225	106	5 119
Childhood-cluster diseases	3 567	5	3 562	67	20	47	772	7	765
Pertussis	1 158	2	1 156	48	18	30	175	7	169
Poliomyelitis ^d	3	0	3	3	2	1	0	0	0
Diphtheria	17	0	17	1	0	1	1	0	1
Measles	1 533	0	1 533	12	1	12	252	0	252
Tetanus	856	2	854	3	0	2	343	0	343
Meningitis	1 068	12	1 056	333	50	284	910	13	897
Hepatitis B ^e	281	6	275	136	32	104	487	30	457
Hepatitis C ^e	121	2	119	71	34	37	229	40	188
Malaria	1 412	1	1 411	4	1	3	169	0	169
Tropical-cluster diseases	574	11	563	7	0	7	128	0	128
Trypanosomiasis	62	0	62	0	0	0	0	0	0
Chagas disease	0	0	0	0	0	0	0	0	0
Schistosomiasis	145	8	136	0	0	0	13	0	13
Leishmaniasis	281	3	278	6	0	6	51	0	51
Lymphatic filariasis	75	0	75	1	0	1	65	0	65
Onchocerciasis	11	0	11	0	0	0	0	0	0
Leprosy	22	0	22	0	0	0	13	0	13
Dengue	28	6	22	0	0	0	169	0	169
Japanese encephalitis	0	0	0	4	0	4	186	2	183
Trachoma	208	0	208	0	0	0	419	0	419
Intestinal nematode infections	269	0	269	0	0	0	955	22	933
Ascariasis	162	0	161	0	0	0	308	5	303
Trichuriasis	61	0	61	0	0	0	269	6	264
Hookworm disease	43	0	43	0	0	0	364	11	353
Respiratory infections	12 421	110	12 311	2 907	488	2 419	6 363	390	5 973
Lower respiratory infections	12 060	101	11 959	2 618	424	2 194	5 616	361	5 256
Upper respiratory infections	211	2	209	196	29	167	434	10	425
Otitis media	151	8	143	94	35	58	313	20	293
Maternal conditions	5 081	99	4 982	862	171	691	2 901	95	2 805
Maternal haemorrhage	541	3	538	19	1	18	173	1	172
Maternal sepsis	824	15	809	232	38	194	612	14	598
Hypertensive disorders of pregnancy	238	1	237	13	1	12	76	1	76
Obstructed labour	325	3	322	9	2	7	197	6	190
Abortion	977	22	955	38	5	33	225	0	225
Perinatal conditions^f	16 958	258	16 699	3 687	515	3 173	14 463	170	14 293
Prematurity and low birth weight	5 345	99	5 246	1 490	221	1 269	5 249	61	5 188
Birth asphyxia and birth trauma	5 472	107	5 366	1 230	150	1 080	5 661	52	5 609
Neonatal infections and other conditions ^g	6 141	53	6 088	967	143	824	3 552	57	3 495

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References

(Table A2 continued)

Cause ^b	Sex ^c						Africa	South East Asia	The Americas		
	Both sexes		Males		Females		Low and middle income	Low and middle income	Total	High income	Low and middle income
Population (millions)	6 437		3 244		3 193		738	1 672	874	329	545
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Total DALYs	1 523 259	100	796 133	100	727 126	100	376 525	442 979	143 233	45 116	98 116
Nutritional deficiencies	38 703	2.5	18 436	2.3	20 268	2.8	11 753	13 503	2 294	155	2 139
Protein-energy malnutrition	17 462	1.1	8 925	1.1	8 536	1.2	7 095	5 568	1 134	35	1 099
Iodine deficiency	3 529	0.2	1 789	0.2	1 740	0.2	1 198	635	134	0	134
Vitamin A deficiency	629	0.0	339	0.0	291	0.0	478	82	1	0	1
Iron-deficiency anaemia	16 152	1.1	6 918	0.9	9 234	1.3	2 850	6 821	980	117	863
II. Noncommunicable conditions	731 652	48.0	378 693	47.6	352 959	48.5	79 142	195 285	98 884	37 917	60 967
Malignant neoplasms	77 812	5.1	41 893	5.3	35 919	4.9	5 913	14 139	11 461	5 672	5 788
Mouth and oropharynx cancers	3 790	0.2	2 790	0.4	999	0.1	277	1 714	270	97	174
Oesophagus cancer	4 768	0.3	3 121	0.4	1 647	0.2	316	960	273	135	139
Stomach cancer	7 491	0.5	4 683	0.6	2 808	0.4	355	717	689	124	565
Colon and rectum cancer	5 874	0.4	3 207	0.4	2 666	0.4	252	778	1 004	610	394
Liver cancer	6 712	0.4	4 726	0.6	1 986	0.3	773	677	324	150	174
Pancreas cancer	2 219	0.1	1 228	0.2	992	0.1	102	230	436	263	173
Trachea, bronchus and lung cancers	11 766	0.8	8 312	1.0	3 454	0.5	259	1 499	1 960	1 384	576
Melanoma and other skin cancers	706	0.0	389	0.0	317	0.0	81	47	206	132	74
Breast cancer	6 629	0.4	18	0.0	6 611	0.9	568	1 222	1 293	685	608
Cervix uteri cancer	3 719	0.2	0	0.0	3 719	0.5	631	1 428	586	125	461
Corpus uteri cancer	745	0.0	0	0.0	745	0.1	28	81	151	84	68
Ovary cancer	1 745	0.1	0	0.0	1 745	0.2	131	437	306	161	145
Prostate cancer	1 843	0.1	1 843	0.2	0	0.0	329	179	570	253	317
Bladder cancer	1 451	0.1	1 079	0.1	372	0.1	123	196	229	144	85
Lymphomas and multiple myeloma	4 284	0.3	2 660	0.3	1 624	0.2	667	989	686	324	362
Leukaemia	4 944	0.3	2 805	0.4	2 139	0.3	276	1 189	712	232	479
Other neoplasms	1 953	0.1	1 016	0.1	937	0.1	318	343	270	100	170
Diabetes mellitus	19 705	1.3	9 046	1.1	10 659	1.5	2 125	4 892	4 095	1 475	2 620
Endocrine disorders	10 446	0.7	4 793	0.6	5 653	0.8	3 063	889	2 518	851	1 667
Neuropsychiatric disorders	199 280	13.1	98 328	12.4	100 952	13.9	19 403	52 279	33 759	12 846	20 914
Unipolar depressive disorders	65 472	4.3	24 392	3.1	41 080	5.6	4 667	21 103	10 764	4 568	6 196
Bipolar affective disorder	14 425	0.9	7 299	0.9	7 126	1.0	1 895	3 909	1 783	522	1 261
Schizophrenia	16 769	1.1	8 544	1.1	8 226	1.1	1 891	4 992	2 028	523	1 505
Epilepsy	7 854	0.5	4 234	0.5	3 621	0.5	1 837	2 258	1 067	161	907
Alcohol use disorders	23 738	1.6	21 154	2.7	2 584	0.4	790	4 245	4 830	1 839	2 991
Alzheimer and other dementias	11 158	0.7	4 312	0.5	6 847	0.9	440	1 665	2 209	1 359	849
Parkinson disease	1 710	0.1	854	0.1	856	0.1	72	267	336	263	74
Multiple sclerosis	1 527	0.1	656	0.1	871	0.1	114	357	244	118	126
Drug use disorders	8 370	0.5	6 586	0.8	1 784	0.2	938	1 259	2 433	1 101	1 333
Post-traumatic stress disorder	3 468	0.2	960	0.1	2 508	0.3	355	954	433	183	250
Obsessive-compulsive disorder	5 104	0.3	2 195	0.3	2 909	0.4	931	1 069	885	217	668
Panic disorder	6 991	0.5	2 374	0.3	4 617	0.6	860	1 967	884	276	608
Insomnia (primary)	3 623	0.2	1 562	0.2	2 060	0.3	336	1 038	660	266	394
Migraine	7 765	0.5	2 116	0.3	5 649	0.8	485	2 145	1 418	495	922
Sense organ disorders	86 883	5.7	41 843	5.3	45 040	6.2	9 403	28 446	7 746	2 981	4 765
Glaucoma	4 728	0.3	2 100	0.3	2 628	0.4	1 061	1 172	442	94	348
Cataracts	17 757	1.2	7 858	1.0	9 899	1.4	3 915	5 840	970	40	930
Refractive errors	27 745	1.8	13 769	1.7	13 977	1.9	1 394	9 310	2 360	932	1 428
Hearing loss, adult onset	27 356	1.8	14 073	1.8	13 283	1.8	2 207	9 218	2 797	1 383	1 414
Macular degeneration and other ^b	9 297	0.6	4 043	0.5	5 254	0.7	826	2 907	1 178	532	646

Cause ^b	Eastern Mediterranean			Europe			Western Pacific		
	Total	High income	Low and middle income	Total	High income	Low and middle income	Total	High income	Low and middle income
Population (millions)	520	31	489	883	407	476	1 738	204	1 534
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total DALYs	141 993	4 379	137 614	151 461	49 331	102 130	264 772	22 305	242 466
Nutritional deficiencies	4 289	82	4 207	1 893	285	1 608	4 920	237	4 683
Protein-energy malnutrition	1 983	34	1 949	218	27	191	1 437	26	1 411
Iodine deficiency	710	0	710	687	2	684	163	0	163
Vitamin A deficiency	64	0	63	1	0	1	4	0	4
Iron-deficiency anaemia	1 280	47	1 233	933	251	682	3 266	207	3 060
II. Noncommunicable conditions	58 551	2 779	55 772	116 097	43 484	72 613	182 370	18 675	163 696
Malignant neoplasms	4 239	174	4 064	17 086	8 273	8 813	24 853	3 636	21 217
Mouth and oropharynx cancers	272	9	263	586	249	337	667	74	592
Oesophagus cancer	238	4	233	442	232	210	2 537	115	2 422
Stomach cancer	260	7	253	1 317	392	925	4 146	501	3 645
Colon and rectum cancer	229	12	217	1 895	994	901	1 704	472	1 232
Liver cancer	147	12	135	515	273	242	4 269	407	3 862
Pancreas cancer	58	4	54	735	387	347	656	201	454
Trachea, bronchus and lung cancers	345	10	335	3 264	1 627	1 637	4 426	579	3 848
Melanoma and other skin cancers	30	0	29	286	152	134	56	31	25
Breast cancer	442	17	425	1 738	908	830	1 351	238	1 113
Cervix uteri cancer	114	3	111	463	128	335	492	72	420
Corpus uteri cancer	26	1	25	347	128	219	108	44	65
Ovary cancer	90	3	87	486	222	263	293	74	219
Prostate cancer	56	3	54	550	364	187	153	80	72
Bladder cancer	210	4	205	435	235	200	256	51	204
Lymphomas and multiple myeloma	534	27	507	718	403	315	680	141	540
Leukaemia	519	27	492	745	306	438	1 496	119	1 376
Other neoplasms	355	7	348	283	180	103	380	77	303
Diabetes mellitus	1 396	154	1 242	2 660	1 311	1 349	4 484	648	3 835
Endocrine disorders	851	102	749	1 266	718	549	1 823	234	1 589
Neuropsychiatric disorders	15 966	811	15 155	28 932	12 590	16 342	48 561	5 115	43 446
Unipolar depressive disorders	5 197	281	4 916	8 446	3 754	4 692	15 186	1 336	13 850
Bipolar affective disorder	1 325	79	1 246	1 555	595	960	3 933	336	3 597
Schizophrenia	1 598	97	1 501	1 612	572	1 040	4 619	348	4 270
Epilepsy	647	29	618	624	245	378	1 407	95	1 312
Alcohol use disorders	272	15	257	5 000	1 554	3 446	8 565	772	7 793
Alzheimer and other dementias	362	17	345	3 072	2 070	1 002	3 388	924	2 465
Parkinson disease	100	3	97	476	296	180	457	131	326
Multiple sclerosis	118	7	111	302	154	148	389	40	349
Drug use disorders	1 672	6	1 667	1 369	708	661	674	68	605
Post-traumatic stress disorder	292	18	274	471	203	268	958	106	852
Obsessive-compulsive disorder	560	41	519	806	249	557	839	84	755
Panic disorder	654	37	617	817	310	507	1 798	167	1 631
Insomnia (primary)	208	7	201	633	341	292	741	150	591
Migraine	563	27	536	1 229	712	517	1 912	195	1 717
Sense organ disorders	7 075	376	6 699	8 429	3 821	4 608	25 646	1 994	23 652
Glaucoma	449	23	425	466	161	305	1 128	89	1 039
Cataracts	2 015	126	1 889	472	54	418	4 508	174	4 334
Refractive errors	1 705	64	1 641	2 370	1 191	1 179	10 578	542	10 035
Hearing loss, adult onset	2 161	128	2 034	3 926	1 827	2 099	7 005	843	6 162
Macular degeneration and other ^b	745	36	710	1 196	588	608	2 427	345	2 082

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Annex A

Annex B

Annex C

References

(Table A2 continued)

Cause ^b	Sex ^c						Africa	South East Asia	The Americas		
	Both sexes		Males		Females		Low and middle income	Low and middle income	Total	High income	Low and middle income
Population (millions)	6 437		3 244		3 193		738	1 672	874	329	545
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Total DALYs	1 523 259	100	796 133	100	727 126	100	376 525	442 979	143 233	45 116	98 116
Cardiovascular diseases	151 377	9.9	82 894	10.4	68 483	9.4	14 243	42 061	15 217	6 291	8 926
Rheumatic heart disease	5 188	0.3	2 301	0.3	2 887	0.4	315	2 494	140	31	109
Hypertensive heart disease	8 020	0.5	4 066	0.5	3 953	0.5	818	1 692	1 105	329	777
Ischaemic heart disease	62 587	4.1	37 271	4.7	25 316	3.5	3 513	21 583	6 523	3 050	3 474
Cerebrovascular disease	46 591	3.1	24 129	3.0	22 462	3.1	4 876	9 598	3 988	1 337	2 650
Inflammatory heart diseases ⁱ	6 236	0.4	3 689	0.5	2 547	0.4	1 148	1 469	842	360	482
Respiratory diseases	59 039	3.9	33 215	4.2	25 824	3.6	7 169	16 270	7 758	2 966	4 792
Chronic obstructive pulmonary disease	30 196	2.0	17 399	2.2	12 796	1.8	1 456	9 347	3 141	1 647	1 494
Asthma	16 317	1.1	8 856	1.1	7 461	1.0	2 991	4 476	2 629	756	1 873
Digestive diseases	42 498	2.8	24 657	3.1	17 841	2.5	5 523	12 874	5 160	1 495	3 665
Peptic ulcer disease	4 963	0.3	3 293	0.4	1 670	0.2	681	2 212	211	40	171
Cirrhosis of the liver	13 640	0.9	8 868	1.1	4 772	0.7	576	4 364	1 856	456	1 400
Appendicitis	418	0.0	259	0.0	160	0.0	75	118	65	13	52
Diseases of the genitourinary system	14 754	1.0	8 735	1.1	6 019	0.8	2 179	4 518	1 698	499	1 199
Nephritis and nephrosis	9 057	0.6	4 889	0.6	4 168	0.6	1 550	3 095	994	271	724
Benign prostatic hypertrophy	2 664	0.2	2 664	0.3	0	0.0	268	762	350	86	265
Skin diseases	3 879	0.3	1 936	0.2	1 943	0.3	902	1 114	483	76	407
Musculoskeletal diseases	30 869	2.0	13 604	1.7	17 265	2.4	2 463	7 340	4 276	1 731	2 545
Rheumatoid arthritis	5 050	0.3	1 446	0.2	3 604	0.5	308	1 068	989	326	663
Osteoarthritis	15 586	1.0	6 095	0.8	9 491	1.3	1 388	3 409	1 906	857	1 049
Congenital abnormalities	25 280	1.7	12 853	1.6	12 427	1.7	5 797	7 649	2 942	665	2 277
Oral diseases	7 875	0.5	3 878	0.5	3 997	0.5	640	2 471	1 501	268	1 233
Dental caries	4 882	0.3	2 476	0.3	2 406	0.3	438	1 417	1 030	171	859
Periodontal disease	320	0.0	160	0.0	160	0.0	38	122	39	13	26
Edentulism	2 555	0.2	1 191	0.1	1 364	0.2	126	901	419	81	338
III. Injuries	187 614	12.3	123 366	15.5	64 249	8.8	29 658	62 818	19 805	4 493	15 311
Unintentional	138 564	9.1	87 130	10.9	51 434	7.1	20 229	51 243	10 998	3 017	7 981
Road traffic accidents	41 223	2.7	29 240	3.7	11 983	1.6	7 151	11 003	4 582	1 332	3 250
Poisonings	7 447	0.5	4 893	0.6	2 554	0.4	1 145	1 840	579	500	79
Falls	17 157	1.1	10 447	1.3	6 710	0.9	992	6 414	1 205	382	823
Fires	11 271	0.7	4 534	0.6	6 738	0.9	2 016	6 599	247	85	163
Drownings	10 728	0.7	7 354	0.9	3 374	0.5	1 824	2 749	619	92	527
Other unintentional injuries	50 738	3.3	30 663	3.9	20 076	2.8	7 101	22 637	3 765	626	3 139
Intentional	49 050	3.2	36 236	4.6	12 815	1.8	9 430	11 575	8 807	1 476	7 330
Self-inflicted injuries	19 566	1.3	11 686	1.5	7 880	1.1	1 231	7 207	1 625	799	826
Violence	21 701	1.4	17 892	2.2	3 810	0.5	6 333	3 445	6 648	623	6 025
War and conflict	7 383	0.5	6 320	0.8	1 063	0.1	1 861	772	471	43	427

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

Cause ^b	Eastern Mediterranean			Europe			Western Pacific		
	Total	High income	Low and middle income	Total	High income	Low and middle income	Total	High income	Low and middle income
Population (millions)	520	31	489	883	407	476	1 738	204	1 534
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total DALYs	141 993	4 379	137 614	151 461	49 331	102 130	264 772	22 305	242 466
Cardiovascular diseases	13 095	548	12 547	34 760	7 915	26 845	31 759	2 984	28 776
Rheumatic heart disease	590	5	585	414	63	351	1 230	20	1 210
Hypertensive heart disease	939	90	849	1 139	294	844	2 303	77	2 225
Ischaemic heart disease	6 154	293	5 862	16 826	3 376	13 450	7 882	963	6 919
Cerebrovascular disease	2 695	53	2 641	9 531	2 037	7 494	15 843	1 311	14 533
Inflammatory heart diseases ⁱ	534	11	523	1 452	284	1 168	780	89	691
Respiratory diseases	3 735	119	3 615	5 910	2 918	2 992	18 113	1 214	16 899
Chronic obstructive pulmonary disease	1 406	40	1 366	2 961	1 475	1 486	11 852	479	11 373
Asthma	1 412	61	1 351	1 329	656	673	3 451	431	3 020
Digestive diseases	3 439	91	3 348	6 945	2 190	4 755	8 491	899	7 592
Peptic ulcer disease	295	4	291	478	110	367	1 082	37	1 045
Cirrhosis of the liver	1 158	15	1 144	3 099	817	2 282	2 567	356	2 211
Appendicitis	26	1	25	49	15	34	84	6	78
Diseases of the genitourinary system	1 572	51	1 521	1 319	435	885	3 425	249	3 176
Nephritis and nephrosis	1 033	34	999	676	189	487	1 693	127	1 566
Benign prostatic hypertrophy	210	15	195	274	122	153	794	77	718
Skin diseases	346	18	328	331	89	242	693	41	652
Musculoskeletal diseases	1 878	116	1 762	5 435	2 172	3 263	9 418	1 184	8 234
Rheumatoid arthritis	343	21	322	1 060	419	641	1 270	182	1 088
Osteoarthritis	800	47	753	3 140	1 170	1 970	4 915	686	4 229
Congenital abnormalities	3 742	149	3 593	1 845	546	1 298	3 245	230	3 014
Oral diseases	865	63	802	896	328	569	1 480	170	1 310
Dental caries	590	41	549	560	195	365	833	94	739
Periodontal disease	26	1	25	40	16	24	54	7	47
Edentulism	240	20	220	290	114	176	571	67	503
III. Injuries	21 001	810	20 192	19 973	3 550	16 424	33 992	2 248	31 744
Unintentional	14 682	710	13 972	14 545	2 511	12 034	26 631	1 290	25 341
Road traffic accidents	5 123	282	4 840	3 678	1 017	2 660	9 611	471	9 141
Poisonings	407	10	397	2 171	135	2 036	1 293	39	1 254
Falls	1 791	96	1 695	2 030	546	1 484	4 696	266	4 430
Fires	1 312	18	1 294	605	50	555	482	33	450
Drownings	933	52	881	796	76	719	3 788	83	3 705
Other unintentional injuries	5 117	252	4 865	5 265	686	4 579	6 760	399	6 361
Intentional	6 319	99	6 220	5 428	1 039	4 389	7 362	958	6 403
Self-inflicted injuries	1 092	45	1 047	3 092	880	2 213	5 303	881	4 421
Violence	1 391	45	1 346	1 970	144	1 826	1 850	74	1 776
War and conflict	3 764	5	3 759	360	15	344	108	2	107

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Annex A

Annex B

Annex C

References

Table A3: Deaths by cause and broad age group, countries grouped by income per capita,^a 2004

Cause ^b	High income			Middle income			Low income		
	Total	0-14	15-59	Total	0-14	15-59	Total	0-14	15-59
Population (millions)	977	179	607	3 045	773	1 958	2 413	894	1 366
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total deaths	8 144	103	1 245	24 349	2 341	7 275	26 251	9 439	8 129
Communicable, maternal, perinatal and nutritional conditions	540	47	64	3 848	1 601	1 261	13 575	8 410	3 532
Infectious and parasitic diseases	171	6	47	1 948	525	996	7 395	4 055	2 612
Tuberculosis	15	0	3	541	20	322	907	61	650
STDs excluding HIV	1	0	0	15	4	4	112	60	22
Syphilis	0	0	0	9	4	1	90	60	7
Chlamydia	0	0	0	1	0	1	8	0	7
Gonorrhoea	0	0	0	0	0	0	0	0	0
HIV/AIDS	21	0	19	509	52	444	1 509	249	1 224
Diarrhoeal diseases	14	3	1	343	268	32	1 806	1 535	129
Childhood-cluster diseases	1	0	0	66	57	7	780	768	10
Pertussis	0	0	0	11	11	0	243	243	0
Poliomyelitis ^d	1	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	5	5	0
Measles	0	0	0	35	31	3	389	389	0
Tetanus	0	0	0	20	15	3	143	132	10
Meningitis	3	1	1	73	43	21	263	176	64
Hepatitis B ^e	7	0	3	42	2	28	56	9	36
Hepatitis C ^e	13	0	5	20	1	13	21	3	14
Malaria	0	0	0	32	27	4	857	817	36
Tropical-cluster diseases	0	0	0	21	2	10	131	43	74
Trypanosomiasis	0	0	0	3	1	1	50	21	27
Chagas disease	0	0	0	11	0	4	0	0	0
Schistosomiasis	0	0	0	5	0	4	36	2	25
Leishmaniasis	0	0	0	1	0	1	45	21	22
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	1	0	0	4	0	2
Dengue	0	0	0	7	6	1	11	10	0
Japanese encephalitis	0	0	0	3	2	0	8	7	1
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	0	0	0	1	1	0	5	4	0
Ascariasis	0	0	0	0	0	0	2	2	0
Trichuriasis	0	0	0	0	0	0	2	2	0
Hookworm disease	0	0	0	0	0	0	0	0	0
Respiratory infections	311	4	14	955	284	163	2 990	1 770	366
Lower respiratory infections	307	4	14	925	274	156	2 943	1 746	358
Upper respiratory infections	4	0	0	30	10	6	43	22	6
Otitis media	0	0	0	1	0	1	4	2	2
Maternal conditions	2	0	2	75	0	75	449	2	447
Maternal haemorrhage	0	0	0	20	0	20	120	0	120
Maternal sepsis	0	0	0	7	0	7	55	0	54
Hypertensive disorders of pregnancy	0	0	0	13	0	13	49	2	47
Obstructed labour	0	0	0	3	0	3	31	0	31
Abortion	0	0	0	6	0	6	61	0	61
Perinatal conditions^f	37	37	0	745	745	0	2 397	2 397	0
Prematurity and low birth weight	16	16	0	318	318	0	845	845	0
Birth asphyxia and birth trauma	7	7	0	194	194	0	655	655	0
Neonatal infections and other conditions ^g	14	14	0	233	233	0	897	897	0

Cause ^b	High income			Middle income			Low income		
	Total	0-14	15-59	Total	0-14	15-59	Total	0-14	15-59
Population (millions)	977	179	607	3 045	773	1 958	2 413	894	1 366
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total deaths	8 144	103	1 245	24 349	2 341	7 275	26 251	9 439	8 129
Nutritional deficiencies	19	0	1	124	46	28	344	186	107
Protein-energy malnutrition	9	0	1	76	38	10	166	133	25
Iodine deficiency	0	0	0	0	0	0	5	4	0
Vitamin A deficiency	0	0	0	1	1	0	16	16	0
Iron-deficiency anaemia	8	0	0	38	5	15	107	22	70
II. Noncommunicable conditions	7 096	39	903	17 547	347	4 023	10 358	580	3 106
Malignant neoplasms	2 163	5	394	3 698	38	1 268	1 560	43	563
Mouth and oropharynx cancers	43	0	14	112	0	51	180	1	64
Oesophagus cancer	61	0	13	315	0	93	132	0	41
Stomach cancer	145	0	24	548	0	169	110	0	38
Colon and rectum cancer	266	0	38	300	0	82	73	0	27
Liver cancer	108	0	21	401	1	166	100	1	42
Pancreas cancer	122	0	19	114	0	33	29	0	10
Trachea, bronchus and lung cancers	478	0	83	694	0	205	151	0	45
Melanoma and other skin cancers	34	0	9	24	0	9	10	0	4
Breast cancer	162	0	48	232	0	116	125	0	59
Cervix uteri cancer	24	0	9	102	0	50	142	0	62
Corpus uteri cancer	21	0	3	26	0	8	8	0	2
Ovary cancer	48	0	12	58	0	25	38	0	15
Prostate cancer	122	0	4	112	0	8	73	0	6
Bladder cancer	63	0	5	85	0	16	39	0	6
Lymphomas and multiple myeloma	119	0	20	117	5	51	97	11	41
Leukaemia	78	2	15	134	18	69	64	13	34
Other neoplasms	61	1	7	63	3	26	40	5	19
Diabetes mellitus	224	0	27	523	1	125	393	5	118
Endocrine disorders	76	3	16	132	23	43	94	22	32
Neuropsychiatric disorders	453	4	55	405	22	172	404	50	145
Unipolar depressive disorders	3	0	0	1	0	1	10	0	8
Bipolar affective disorder	0	0	0	0	0	0	0	0	0
Schizophrenia	2	0	1	9	0	7	18	0	12
Epilepsy	11	1	5	53	8	38	78	28	37
Alcohol use disorders	23	0	15	47	0	36	18	0	13
Alzheimer and other dementias	277	0	2	101	1	9	113	1	2
Parkinson disease	51	0	1	43	0	4	15	0	0
Multiple sclerosis	8	0	4	7	0	4	2	0	1
Drug use disorders	10	0	10	37	0	36	44	0	43
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	0	0	2	0	0	2	0	1
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Refractive errors	0	0	0	0	0	0	0	0	0
Hearing loss, adult onset	0	0	0	0	0	0	0	0	0
Macular degeneration and other ^h	0	0	0	2	0	0	2	0	1

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Annex A

Annex B

Annex C

References

(Table A3 continued)

Cause ^b	High income			Middle income			Low income		
	Total	0-14	15-59	Total	0-14	15-59	Total	0-14	15-59
Population (millions)	977	179	607	3 045	773	1 958	2 413	894	1 366
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Total deaths	8 144	103	1 245	24 349	2 341	7 275	26 251	9 439	8 129
Cardiovascular diseases	3 027	3	268	8 896	38	1 565	5 142	82	1 314
Rheumatic heart disease	18	0	2	131	3	57	149	17	72
Hypertensive heart disease	145	0	14	617	1	101	224	2	63
Ischaemic heart disease	1 331	0	134	3 395	2	632	2 468	8	649
Cerebrovascular disease	760	1	52	3 468	9	513	1 482	12	302
Inflammatory heart diseases ⁱ	78	1	15	233	5	60	129	12	44
Respiratory diseases	476	1	30	2 231	24	259	1 328	37	385
Chronic obstructive pulmonary disease	287	0	14	1 798	2	135	939	2	220
Asthma	21	0	4	120	4	55	146	7	91
Digestive diseases	349	2	80	965	53	392	730	73	360
Peptic ulcer disease	24	0	3	119	2	41	126	6	66
Cirrhosis of the liver	116	0	52	399	3	211	257	23	129
Appendicitis	1	0	0	10	1	4	11	1	4
Diseases of the genitourinary system	173	0	12	401	9	129	353	21	135
Nephritis and nephrosis	127	0	10	313	7	108	298	19	117
Benign prostatic hypertrophy	2	0	0	15	0	1	22	0	6
Skin diseases	16	0	1	23	1	7	29	2	9
Musculoskeletal diseases	46	0	6	51	1	16	29	2	8
Rheumatoid arthritis	9	0	1	11	0	3	6	0	2
Osteoarthritis	3	0	0	2	0	0	2	0	0
Congenital abnormalities	31	20	7	156	134	18	253	237	14
Oral diseases	0	0	0	1	0	0	2	0	1
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	509	17	278	2 954	393	1 990	2 318	449	1 491
Unintentional	343	14	158	1 922	292	1 244	1 640	399	939
Road traffic accidents	116	6	80	674	53	512	485	108	311
Poisonings	31	0	27	173	9	134	142	23	82
Falls	76	1	13	199	11	97	149	23	52
Fires	9	1	4	62	10	35	240	62	151
Drownings	17	2	8	202	71	103	169	62	90
Other unintentional injuries	95	5	26	613	137	363	455	120	251
Intentional	166	2	120	819	23	643	656	40	542
Self-inflicted injuries	137	1	95	413	6	286	294	7	253
Violence	27	2	23	317	9	282	255	20	207
War and conflict	1	0	1	82	7	68	100	13	77

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

Table A4: Burden of disease in DALYs by cause and broad age group, countries grouped by income per capita,^a 2004

Cause ^b	High income			Middle income			Low income		
	Total	0-14	15-59	Total	0-14	15-59	Total	0-14	15-59
Population (millions)	977	179	607	3 045	773	1 958	2 413	894	1 366
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	122 092	9 942	69 287	572 859	128 397	335 905	827 669	409 816	346 862
Communicable, maternal, perinatal and nutritional conditions	7 340	2 688	3 131	127 572	71 185	50 202	468 811	332 459	125 391
Infectious and parasitic diseases	2 754	477	1 718	58 128	21 558	33 267	241 099	154 384	81 333
Tuberculosis	185	12	112	11 661	828	9 246	22 356	2 537	18 185
STDs excluding HIV	215	8	205	2 327	319	1 970	7 877	2 986	4 698
Syphilis	7	3	4	301	158	126	2 535	2 046	340
Chlamydia	159	3	156	1 169	22	1 144	2 419	57	2 351
Gonorrhoea	46	2	44	799	136	661	2 703	852	1 851
HIV/AIDS	628	4	608	14 977	1 809	13 045	42 867	8 695	33 826
Diarrhoeal diseases	438	211	170	13 107	10 320	2 436	59 207	54 645	3 729
Childhood-cluster diseases	55	50	2	2 504	2 290	202	27 650	27 366	276
Pertussis	44	44	0	675	674	1	9 158	9 154	4
Poliomyelitis ^d	4	0	1	4	1	3	27	21	5
Diphtheria	0	0	0	11	10	1	163	159	3
Measles	3	3	0	1 238	1 116	123	13 601	13 598	3
Tetanus	4	3	0	576	490	75	4 701	4 433	260
Meningitis	108	57	39	2 412	1 744	600	8 905	6 984	1 770
Hepatitis B ^e	82	1	53	748	67	592	1 236	308	855
Hepatitis C ^e	153	0	99	325	23	254	476	122	326
Malaria	5	2	2	1 177	1 022	147	32 766	31 397	1 321
Tropical-cluster diseases	15	5	9	1 271	273	931	10 823	4 377	6 266
Trypanosomiasis	0	0	0	86	42	43	1 586	792	779
Chagas disease	2	0	2	423	0	375	3	0	3
Schistosomiasis	9	4	5	204	95	99	1 493	764	656
Leishmaniasis	4	2	2	110	44	64	1 861	926	905
Lymphatic filariasis	0	0	0	444	91	347	5 496	1 832	3 632
Onchocerciasis	0	0	0	4	1	3	383	63	291
Leprosy	0	0	0	34	7	21	160	53	98
Dengue	6	6	0	266	247	18	397	382	14
Japanese encephalitis	2	2	1	198	165	32	481	412	66
Trachoma	0	0	0	436	1	276	897	5	602
Intestinal nematode infections	24	13	10	1 293	862	401	2 694	2 352	323
Ascariasis	6	6	0	420	419	1	1 424	1 422	2
Trichuriasis	6	6	0	344	344	0	661	661	0
Hookworm disease	12	1	10	502	74	398	578	241	319
Respiratory infections	1 374	250	315	17 565	11 433	3 830	78 807	64 480	9 368
Lower respiratory infections	1 220	144	284	16 319	10 475	3 603	76 932	62 951	9 115
Upper respiratory infections	54	8	30	642	372	210	1 091	796	204
Otitis media	99	98	1	604	586	17	784	733	48
Maternal conditions	667	2	665	9 227	100	9 127	29 022	429	28 593
Maternal haemorrhage	6	0	6	592	0	591	3 838	0	3 838
Maternal sepsis	143	0	143	1 895	1	1 894	4 493	7	4 486
Hypertensive disorders of pregnancy	6	0	6	378	5	372	1 504	57	1 447
Obstructed labour	15	0	15	527	0	527	2 339	0	2 339
Abortion	31	2	29	1 515	90	1 425	5 875	343	5 532
Perinatal conditions^f	1 770	1 768	3	31 290	31 290	0	93 331	93 331	0
Prematurity and low birth weight	739	739	0	11 459	11 459	0	32 099	32 099	0
Birth asphyxia and birth trauma	497	496	1	11 384	11 384	0	29 786	29 786	0
Neonatal infections and other conditions ^g	534	533	1	8 447	8 447	0	31 445	31 445	0

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Annex A

Annex B

Annex C

References

(Table A4 continued)

Cause ^b	High income			Middle income			Low income		
	Total	0-14	15-59	Total	0-14	15-59	Total	0-14	15-59
Population (millions)	977	179	607	3 045	773	1 958	2 413	894	1 366
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	122 092	9 942	69 287	572 859	128 397	335 905	827 669	409 816	346 862
Nutritional deficiencies	775	191	431	11 362	6 804	3 978	26 553	19 835	6 097
Protein-energy malnutrition	128	97	11	4 032	3 676	237	13 294	12 653	598
Iodine deficiency	3	3	0	1 558	1 556	1	1 967	1 965	2
Vitamin A deficiency	0	0	0	41	40	1	587	585	2
Iron-deficiency anaemia	630	90	412	5 569	1 465	3 672	9 948	4 259	5 260
II. Noncommunicable conditions	103 529	6 055	57 350	355 196	38 124	218 841	272 632	49 313	166 152
Malignant neoplasms	17 826	192	7 735	40 975	1 423	24 334	18 982	1 592	11 328
Mouth and oropharynx cancers	432	1	251	1 374	14	949	1 983	32	1 196
Oesophagus cancer	488	0	210	2 963	1	1 539	1 317	5	728
Stomach cancer	1 027	0	415	5 294	8	3 001	1 167	7	728
Colon and rectum cancer	2 095	0	795	2 945	5	1 628	833	8	556
Liver cancer	845	5	352	4 625	36	3 041	1 240	50	815
Pancreas cancer	857	0	312	1 066	1	562	295	2	174
Trachea, bronchus and lung cancers	3 608	1	1 350	6 673	10	3 455	1 483	10	775
Melanoma and other skin cancers	316	1	184	269	4	178	121	4	78
Breast cancer	1 856	0	1 134	3 144	2	2 304	1 626	2	1 165
Cervix uteri cancer	330	0	234	1 486	1	1 109	1 901	1	1 318
Corpus uteri cancer	259	0	122	396	0	258	89	4	47
Ovary cancer	463	1	240	783	13	540	498	18	333
Prostate cancer	704	0	94	686	2	128	452	1	93
Bladder cancer	436	0	124	714	3	302	300	3	112
Lymphomas and multiple myeloma	900	11	376	1 729	198	1 144	1 653	406	970
Leukaemia	688	64	317	2 759	687	1 780	1 495	476	911
Other neoplasms	366	25	136	865	114	552	721	179	449
Diabetes mellitus	3 623	11	2 033	10 081	94	6 606	5 991	237	3 818
Endocrine disorders	1 927	324	1 150	4 760	1 671	2 494	3 753	1 380	1 848
Neuropsychiatric disorders	31 558	2 173	23 232	94 822	13 483	74 405	72 824	14 937	54 342
Unipolar depressive disorders	9 997	561	8 720	28 983	2 336	25 057	26 469	2 773	22 734
Bipolar affective disorder	1 543	56	1 484	7 041	328	6 708	5 836	338	5 496
Schizophrenia	1 553	253	1 289	8 429	884	7 499	6 782	494	6 237
Epilepsy	538	106	373	3 201	827	2 248	4 112	1 842	2 150
Alcohol use disorders	4 207	57	4 025	14 853	552	13 953	4 671	196	4 407
Alzheimer and other dementias	4 387	79	260	4 772	330	700	1 996	280	266
Parkinson disease	694	0	157	670	11	296	346	4	193
Multiple sclerosis	320	19	268	730	75	635	477	65	404
Drug use disorders	1 894	28	1 860	3 664	130	3 522	2 806	97	2 696
Post-traumatic stress disorder	512	6	500	1 663	24	1 627	1 292	30	1 257
Obsessive-compulsive disorder	597	16	575	2 484	221	2 223	2 020	396	1 603
Panic disorder	795	23	763	3 348	99	3 231	2 845	109	2 727
Insomnia (primary)	768	9	615	1 458	44	1 248	1 395	35	1 248
Migraine	1 437	375	1 063	3 512	1 162	2 350	2 813	1 827	985
Sense organ disorders	9 235	312	5 191	41 604	2 642	27 083	36 010	1 539	25 046
Glaucoma	371	2	194	2 517	29	1 540	1 837	65	1 294
Cataracts	406	7	259	8 813	87	5 560	8 527	86	6 163
Refractive errors	2 745	299	1 541	13 731	2 501	8 154	11 262	1 365	6 143
Hearing loss, adult onset	4 203	0	2 370	12 200	0	9 158	10 945	0	9 054
Macular degeneration and other ^b	1 510	3	826	4 343	24	2 670	3 439	22	2 392

Cause ^b	High income			Middle income			Low income		
	Total	0-14	15-59	Total	0-14	15-59	Total	0-14	15-59
Population (millions)	977	179	607	3 045	773	1 958	2 413	894	1 366
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	122 092	9 942	69 287	572 859	128 397	335 905	827 669	409 816	346 862
Cardiovascular diseases	17 853	121	6 827	76 204	1 610	35 086	57 258	3 404	30 188
Rheumatic heart disease	120	2	43	2 050	126	1 413	3 016	658	1 975
Hypertensive heart disease	801	1	262	4 769	38	1 847	2 445	70	1 273
Ischaemic heart disease	7 739	3	2 779	28 866	66	13 500	25 958	290	13 913
Cerebrovascular disease	4 763	20	1 893	27 529	343	11 242	14 281	457	6 546
Inflammatory heart diseases ⁱ	748	32	397	2 806	183	1 663	2 678	479	1 672
Respiratory diseases	7 266	943	3 808	29 044	3 911	14 135	22 706	4 335	12 154
Chronic obstructive pulmonary disease	3 663	7	2 045	16 123	79	6 728	10 402	74	5 364
Asthma	1 919	805	1 004	6 897	2 711	3 778	7 494	2 878	4 286
Digestive diseases	4 714	189	2 952	19 259	2 432	13 071	18 508	3 922	12 329
Peptic ulcer disease	194	2	108	1 898	88	1 330	2 871	327	2 146
Cirrhosis of the liver	1 653	6	1 168	6 731	126	5 148	5 249	1 063	3 332
Appendicitis	35	6	23	191	33	131	192	42	116
Diseases of the genitourinary system	1 248	31	505	7 008	499	4 851	6 491	1 050	4 175
Nephritis and nephrosis	630	21	201	3 858	378	2 379	4 563	932	2 656
Benign prostatic hypertrophy	302	0	174	1 372	0	1 177	988	0	841
Skin diseases	230	10	95	1 809	316	1 233	1 838	540	1 090
Musculoskeletal diseases	5 237	98	3 066	16 288	687	12 552	9 332	783	7 276
Rheumatoid arthritis	955	43	647	2 655	213	2 069	1 437	181	1 089
Osteoarthritis	2 777	0	1 366	8 425	4	6 432	4 377	6	3 612
Congenital abnormalities	1 606	1 419	162	8 530	7 971	537	15 134	14 679	445
Oral diseases	840	205	457	3 946	1 270	1 901	3 085	736	1 665
Dental caries	507	204	249	2 459	1 257	1 055	1 913	717	1 022
Periodontal disease	38	0	36	121	0	111	160	1	151
Edentulism	287	0	168	1 319	0	709	948	0	452
III. Injuries	11 222	1 199	8 806	90 092	19 088	66 863	86 226	28 045	55 318
Unintentional	7 595	1 050	5 616	65 905	17 704	45 126	65 015	25 781	36 890
Road traffic accidents	3 127	300	2 633	21 382	3 306	17 252	16 697	5 871	10 343
Poisonings	693	11	660	3 687	352	3 117	3 064	842	1 939
Falls	1 297	198	752	8 640	2 573	5 352	7 215	3 523	3 162
Fires	187	50	114	2 196	754	1 339	8 886	3 759	4 951
Drownings	307	76	195	5 573	2 602	2 789	4 844	2 254	2 485
Other unintentional injuries	1 983	415	1 262	24 428	8 117	15 277	24 309	9 532	14 010
Intentional	3 627	149	3 190	24 187	1 383	21 736	21 211	2 264	18 428
Self-inflicted injuries	2 616	70	2 278	8 516	393	7 320	8 431	466	7 744
Violence	928	79	830	11 967	652	11 118	8 788	1 178	7 409
War and conflict	67	1	66	3 493	332	3 098	3 819	593	3 141

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

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Annex A

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Annex C

References

Table A5: Deaths by cause, sex and age group, countries grouped by income per capita,^a 2004

Table A5a: Deaths (thousands) by age, sex, cause in the world, 2004

Cause ^b	World			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	6 437	3 244	3 193	951	1 994	298	895	1 938	360
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	58 772	31 082	27 690	6 171	9 991	14 920	5 716	6 666	15 308
Communicable, maternal, perinatal and nutritional conditions	17 971	9 284	8 687	5 213	2 495	1 577	4 849	2 366	1 471
Infectious and parasitic diseases	9 519	5 198	4 321	2 379	2 108	711	2 209	1 549	562
Tuberculosis	1 464	969	494	42	643	284	39	333	123
STDs excluding HIV	128	71	57	34	14	24	31	13	13
Syphilis	99	60	39	33	7	20	31	1	7
Chlamydia	9	0	9	0	0	0	0	7	1
Gonorrhoea	1	0	0	0	0	0	0	0	0
HIV/AIDS	2 040	1 027	1 013	153	845	29	149	843	21
Diarrhoeal diseases	2 163	1 127	1 037	938	96	92	868	66	103
Childhood-cluster diseases	847	458	390	445	11	2	382	6	2
Pertussis	254	129	125	129	0	0	125	0	0
Poliomyelitis ^d	1	1	1	0	0	0	0	0	0
Diphtheria	5	3	3	2	0	0	2	0	0
Measles	424	220	204	218	2	0	202	1	0
Tetanus	163	105	58	95	8	2	52	5	1
Meningitis	340	181	159	107	54	19	113	32	14
Hepatitis B ^e	105	74	31	5	51	17	5	15	10
Hepatitis C ^e	54	36	18	2	24	10	2	8	8
Malaria	889	456	433	434	19	2	410	20	3
Tropical-cluster diseases	152	94	58	27	54	13	18	30	9
Trypanosomiasis	52	33	19	14	18	1	8	10	1
Chagas disease	11	7	5	0	3	4	0	1	3
Schistosomiasis	41	26	15	1	18	7	1	11	4
Leishmaniasis	47	29	18	12	15	2	9	7	1
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	5	4	1	0	2	2	0	1	1
Dengue	18	9	9	8	1	0	8	1	0
Japanese encephalitis	11	5	6	4	1	0	5	1	0
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	6	4	3	3	0	0	3	0	0
Ascariasis	2	1	1	1	0	0	1	0	0
Trichuriasis	2	1	1	1	0	0	1	0	0
Hookworm disease	0	0	0	0	0	0	0	0	0
Respiratory infections	4 259	2 207	2 052	1 058	326	823	1 001	217	834
Lower respiratory infections	4 177	2 163	2 014	1 040	316	806	985	212	818
Upper respiratory infections	77	41	36	16	8	16	16	4	16
Otitis media	5	3	2	1	1	0	1	1	0
Maternal conditions	527	0	527	0	0	0	3	524	0
Maternal haemorrhage	140	0	140	0	0	0	0	140	0
Maternal sepsis	62	0	62	0	0	0	0	62	0
Hypertensive disorders of pregnancy	62	0	62	0	0	0	2	60	0
Obstructed labour	34	0	34	0	0	0	0	34	0
Abortion	68	0	68	0	0	0	0	68	0
Perinatal conditions^f	3 180	1 657	1 523	1 657	0	0	1 523	0	0
Prematurity and low birth weight	1 179	612	567	612	0	0	567	0	0
Birth asphyxia and birth trauma	857	446	411	446	0	0	411	0	0
Neonatal infections and other conditions ^g	1 144	599	546	599	0	0	545	0	0

Cause ^b	World			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	6 437	3 244	3 193	951	1 994	298	895	1 938	360
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	58 772	31 082	27 690	6 171	9 991	14 920	5 716	6 666	15 308
Nutritional deficiencies	487	223	264	119	60	43	113	76	75
Protein-energy malnutrition	251	127	124	88	21	18	84	16	24
Iodine deficiency	5	3	2	3	0	0	2	0	0
Vitamin A deficiency	17	9	8	9	0	0	8	0	0
Iron-deficiency anaemia	153	55	98	14	31	11	13	55	30
II. Noncommunicable conditions	35 017	17 985	17 032	487	4 807	12 691	479	3 228	13 324
Malignant neoplasms	7 424	4 154	3 270	45	1 225	2 883	41	1 002	2 228
Mouth and oropharynx cancers	335	239	96	1	100	139	1	30	65
Oesophagus cancer	508	331	177	0	100	231	0	47	130
Stomach cancer	803	499	304	0	150	348	0	80	224
Colon and rectum cancer	639	336	303	0	85	251	0	63	241
Liver cancer	610	418	192	1	172	244	1	57	134
Pancreas cancer	265	137	128	0	38	99	0	24	105
Trachea, bronchus and lung cancers	1 323	943	381	0	240	703	0	93	287
Melanoma and other skin cancers	68	37	31	0	13	24	0	9	22
Breast cancer	519	2	517	0	1	2	0	223	294
Cervix uteri cancer	268	0	268	0	0	0	0	121	147
Corpus uteri cancer	55	0	55	0	0	0	0	13	42
Ovary cancer	144	0	144	0	0	0	1	52	91
Prostate cancer	308	308	0	0	18	290	0	0	0
Bladder cancer	187	138	49	0	20	118	0	7	42
Lymphomas and multiple myeloma	332	191	142	10	74	107	6	37	98
Leukaemia	277	154	123	17	68	68	16	49	58
Other neoplasms	163	83	80	4	28	50	5	25	51
Diabetes mellitus	1 141	508	633	3	141	364	4	130	499
Endocrine disorders	303	141	162	25	46	70	23	45	94
Neuropsychiatric disorders	1 263	647	616	41	258	348	36	114	466
Unipolar depressive disorders	15	7	8	0	5	2	0	5	3
Bipolar affective disorder	1	0	1	0	0	0	0	0	0
Schizophrenia	30	15	14	0	11	4	0	8	6
Epilepsy	142	82	60	19	49	14	18	31	12
Alcohol use disorders	88	75	13	0	55	20	0	8	4
Alzheimer and other dementias	492	181	312	1	7	172	1	6	305
Parkinson disease	110	58	52	0	3	54	0	2	50
Multiple sclerosis	17	7	11	0	4	3	0	6	5
Drug use disorders	91	75	16	0	73	2	0	16	1
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	4	2	2	0	1	1	0	1	1
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Refractive errors	0	0	0	0	0	0	0	0	0
Hearing loss, adult onset	0	0	0	0	0	0	0	0	0
Macular degeneration and other ^h	4	2	2	0	1	1	0	1	1

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Annex A

Annex B

Annex C

References

(Table A5a continued)

Cause ^b	World			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	6 437	3 244	3 193	951	1 994	298	895	1 938	360
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	58 772	31 082	27 690	6 171	9 991	14 920	5 716	6 666	15 308
Cardiovascular diseases	17 073	8 338	8 735	61	1 974	6 303	62	1 175	7 499
Rheumatic heart disease	298	127	171	9	61	57	12	69	90
Hypertensive heart disease	987	457	530	1	103	353	2	76	453
Ischaemic heart disease	7 198	3 827	3 371	6	982	2 839	4	434	2 933
Cerebrovascular disease	5 712	2 661	3 051	11	503	2 146	10	364	2 677
Inflammatory heart diseases ^d	440	229	211	9	78	141	9	42	161
Respiratory diseases	4 036	2 155	1 881	32	391	1 731	30	282	1 568
Chronic obstructive pulmonary disease	3 025	1 620	1 405	2	220	1 398	1	149	1 254
Asthma	287	151	136	6	79	66	6	71	60
Digestive diseases	2 045	1 166	879	59	546	562	69	287	522
Peptic ulcer disease	270	163	107	4	76	83	4	33	70
Cirrhosis of the liver	772	510	262	11	279	220	15	113	133
Appendicitis	22	13	9	1	6	6	1	3	6
Diseases of the genitourinary system	928	493	435	16	155	322	15	122	298
Nephritis and nephrosis	739	385	354	14	131	241	13	104	237
Benign prostatic hypertrophy	39	39	0	0	7	31	0	0	0
Skin diseases	68	27	41	1	8	17	1	9	30
Musculoskeletal diseases	127	45	81	2	11	32	2	19	61
Rheumatoid arthritis	26	8	18	0	2	6	0	4	15
Osteoarthritis	7	2	4	0	0	2	0	0	4
Congenital abnormalities	440	225	215	198	22	5	193	18	5
Oral diseases	3	2	2	0	1	1	0	1	1
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	5 784	3 812	1 972	472	2 688	652	388	1 071	512
Unintentional	3 906	2 520	1 386	390	1 665	465	315	676	394
Road traffic accidents	1 275	944	331	101	709	134	65	195	70
Poisonings	346	222	124	19	172	32	14	72	38
Falls	424	260	164	20	122	118	14	40	110
Fires	310	120	190	33	70	18	41	121	29
Drownings	388	263	125	85	150	28	51	51	23
Other unintentional injuries	1 163	711	452	132	443	136	130	198	124
Intentional	1 642	1 181	461	37	972	172	28	334	99
Self-inflicted injuries	844	529	316	8	400	121	6	234	75
Violence	600	485	115	18	430	37	14	83	18
War and conflict	184	155	29	12	132	11	8	16	5

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

Table A5b: Deaths (thousands) by age, sex, cause in high-income countries, 2004

Cause ^b	High-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	977	482	495	92	308	83	87	300	108
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	8 144	4 106	4 038	57	820	3 229	45	425	3 568
Communicable, maternal, perinatal and nutritional conditions	540	263	277	26	42	195	21	22	234
Infectious and parasitic diseases	171	89	81	3	32	54	3	15	63
Tuberculosis	15	10	6	0	2	7	0	1	4
STDs excluding HIV	1	0	0	0	0	0	0	0	0
Syphilis	0	0	0	0	0	0	0	0	0
Chlamydia	0	0	0	0	0	0	0	0	0
Gonorrhoea	0	0	0	0	0	0	0	0	0
HIV/AIDS	21	16	5	0	14	1	0	5	0
Diarrhoeal diseases	14	5	9	1	0	4	1	0	7
Childhood-cluster diseases	1	0	0	0	0	0	0	0	0
Pertussis	0	0	0	0	0	0	0	0	0
Poliomyelitis ^d	1	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0
Tetanus	0	0	0	0	0	0	0	0	0
Meningitis	3	2	2	0	1	1	0	0	1
Hepatitis B ^e	7	4	3	0	2	2	0	1	2
Hepatitis C ^e	13	7	6	0	4	4	0	1	4
Malaria	0	0	0	0	0	0	0	0	0
Tropical-cluster diseases	0	0	0	0	0	0	0	0	0
Trypanosomiasis	0	0	0	0	0	0	0	0	0
Chagas disease	0	0	0	0	0	0	0	0	0
Schistosomiasis	0	0	0	0	0	0	0	0	0
Leishmaniasis	0	0	0	0	0	0	0	0	0
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	0	0	0
Dengue	0	0	0	0	0	0	0	0	0
Japanese encephalitis	0	0	0	0	0	0	0	0	0
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	0	0	0	0	0	0	0	0	0
Ascariasis	0	0	0	0	0	0	0	0	0
Trichuriasis	0	0	0	0	0	0	0	0	0
Hookworm disease	0	0	0	0	0	0	0	0	0
Respiratory infections	311	145	166	2	9	135	2	5	159
Lower respiratory infections	307	143	164	2	9	133	2	5	157
Upper respiratory infections	4	2	2	0	0	2	0	0	2
Otitis media	0	0	0	0	0	0	0	0	0
Maternal conditions	2	0	2	0	0	0	0	2	0
Maternal haemorrhage	0	0	0	0	0	0	0	0	0
Maternal sepsis	0	0	0	0	0	0	0	0	0
Hypertensive disorders of pregnancy	0	0	0	0	0	0	0	0	0
Obstructed labour	0	0	0	0	0	0	0	0	0
Abortion	0	0	0	0	0	0	0	0	0
Perinatal conditions^f	37	21	16	21	0	0	16	0	0
Prematurity and low birth weight	16	9	7	9	0	0	7	0	0
Birth asphyxia and birth trauma	7	4	3	4	0	0	3	0	0
Neonatal infections and other conditions ^g	14	8	6	8	0	0	6	0	0

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Annex A

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Annex C

References

(Table A5b continued)

Cause ^b	High-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	977	482	495	92	308	83	87	300	108
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	8 144	4 106	4 038	57	820	3 229	45	425	3 568
Nutritional deficiencies	19	7	12	0	1	6	0	0	11
Protein-energy malnutrition	9	3	5	0	0	3	0	0	5
Iodine deficiency	0	0	0	0	0	0	0	0	0
Vitamin A deficiency	0	0	0	0	0	0	0	0	0
Iron-deficiency anaemia	8	3	5	0	0	3	0	0	5
II. Noncommunicable conditions	7 096	3 505	3 591	21	565	2 918	18	338	3 235
Malignant neoplasms	2 163	1 204	959	3	216	985	2	178	779
Mouth and oropharynx cancers	43	32	11	0	12	20	0	3	9
Oesophagus cancer	61	47	14	0	11	36	0	2	12
Stomach cancer	145	89	56	0	15	74	0	8	48
Colon and rectum cancer	266	138	127	0	22	116	0	16	112
Liver cancer	108	73	35	0	17	56	0	4	31
Pancreas cancer	122	62	60	0	12	50	0	7	53
Trachea, bronchus and lung cancers	478	320	157	0	55	265	0	28	129
Melanoma and other skin cancers	34	20	14	0	6	14	0	3	10
Breast cancer	162	2	160	0	0	1	0	48	112
Cervix uteri cancer	24	0	24	0	0	0	0	9	15
Corpus uteri cancer	21	0	21	0	0	0	0	3	18
Ovary cancer	48	0	48	0	0	0	0	12	37
Prostate cancer	122	122	0	0	4	119	0	0	0
Bladder cancer	63	45	18	0	4	41	0	1	17
Lymphomas and multiple myeloma	119	62	56	0	12	50	0	7	49
Leukaemia	78	43	35	1	9	34	1	6	28
Other neoplasms	61	30	30	0	4	26	0	3	27
Diabetes mellitus	224	103	121	0	18	86	0	10	111
Endocrine disorders	76	34	43	2	9	23	1	7	35
Neuropsychiatric disorders	453	183	270	2	37	144	2	18	251
Unipolar depressive disorders	3	1	2	0	0	1	0	0	2
Bipolar affective disorder	0	0	0	0	0	0	0	0	0
Schizophrenia	2	1	1	0	0	1	0	0	1
Epilepsy	11	6	5	0	4	2	0	2	3
Alcohol use disorders	23	18	5	0	12	7	0	3	2
Alzheimer and other dementias	277	83	194	0	1	82	0	1	193
Parkinson disease	51	28	24	0	0	27	0	0	24
Multiple sclerosis	8	3	5	0	1	1	0	2	3
Drug use disorders	10	8	2	0	7	0	0	2	0
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	0	0	0	0	0	0	0	0
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Refractive errors	0	0	0	0	0	0	0	0	0
Hearing loss, adult onset	0	0	0	0	0	0	0	0	0
Macular degeneration and other ^b	0	0	0	0	0	0	0	0	0

Cause ^b	High-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	977	482	495	92	308	83	87	300	108
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	8 144	4 106	4 038	57	820	3 229	45	425	3 568
Cardiovascular diseases	3 027	1 398	1 628	2	193	1 204	1	75	1 552
Rheumatic heart disease	18	6	12	0	1	5	0	1	11
Hypertensive heart disease	145	55	89	0	10	46	0	5	84
Ischaemic heart disease	1 331	698	634	0	107	591	0	28	606
Cerebrovascular disease	760	312	448	0	31	281	0	20	427
Inflammatory heart diseases ^d	78	44	34	0	11	32	0	4	30
Respiratory diseases	476	258	218	1	17	240	1	12	205
Chronic obstructive pulmonary disease	287	162	125	0	8	154	0	6	119
Asthma	21	9	12	0	2	7	0	2	10
Digestive diseases	349	181	167	1	57	123	1	22	144
Peptic ulcer disease	24	11	13	0	2	9	0	1	12
Cirrhosis of the liver	116	79	37	0	39	40	0	13	24
Appendicitis	1	1	1	0	0	1	0	0	1
Diseases of the genitourinary system	173	78	95	0	7	70	0	5	89
Nephritis and nephrosis	127	60	67	0	6	53	0	4	63
Benign prostatic hypertrophy	2	2	0	0	0	2	0	0	0
Skin diseases	16	5	11	0	1	5	0	1	10
Musculoskeletal diseases	46	14	32	0	2	12	0	4	29
Rheumatoid arthritis	9	2	7	0	0	2	0	0	6
Osteoarthritis	3	1	2	0	0	1	0	0	2
Congenital abnormalities	31	16	15	10	4	2	9	3	2
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	509	339	171	11	212	116	6	65	99
Unintentional	343	214	128	9	120	85	5	37	86
Road traffic accidents	116	83	32	4	61	18	2	19	11
Poisonings	31	21	10	0	19	2	0	8	2
Falls	76	38	37	0	10	28	0	2	35
Fires	9	5	3	0	2	2	0	1	2
Drownings	17	12	5	1	7	4	1	1	3
Other unintentional injuries	95	55	40	3	21	31	2	5	33
Intentional	166	124	42	1	92	31	1	28	13
Self-inflicted injuries	137	102	35	0	73	29	0	23	12
Violence	27	20	7	1	18	1	1	5	1
War and conflict	1	1	0	0	1	0	0	0	0

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

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References

Table A5c: Deaths (thousands) by age, sex, cause in middle-income countries, 2004

Cause ^b	Middle-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	3 045	1 531	1 513	400	989	142	372	969	172
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	24 349	13 150	11 199	1 235	4 681	7 234	1 106	2 594	7 499
Communicable, maternal, perinatal and nutritional conditions	3 848	2 100	1 748	837	742	521	764	520	464
Infectious and parasitic diseases	1 948	1 148	800	274	619	254	251	377	173
Tuberculosis	541	372	170	10	220	142	10	102	58
STDs excluding HIV	15	8	8	2	2	3	2	3	3
Syphilis	9	5	4	2	1	2	2	0	2
Chlamydia	1	0	1	0	0	0	0	1	0
Gonorrhoea	0	0	0	0	0	0	0	0	0
HIV/AIDS	509	280	229	27	247	7	26	197	6
Diarrhoeal diseases	343	178	165	139	19	20	129	13	23
Childhood-cluster diseases	66	37	28	32	5	1	25	2	1
Pertussis	11	6	5	6	0	0	5	0	0
Poliomyelitis ^d	0	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0
Measles	35	18	16	16	2	0	15	1	0
Tetanus	20	13	7	10	3	1	5	1	1
Meningitis	73	38	35	22	12	5	21	9	4
Hepatitis B ^e	42	32	11	1	23	7	1	5	5
Hepatitis C ^e	20	14	5	0	10	4	0	2	3
Malaria	32	17	15	14	2	0	13	2	0
Tropical-cluster diseases	21	12	8	1	7	5	1	4	4
Trypanosomiasis	3	2	1	1	1	0	0	1	0
Chagas disease	11	6	5	0	3	4	0	1	3
Schistosomiasis	5	3	2	0	2	1	0	1	0
Leishmaniasis	1	1	1	0	1	0	0	0	0
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	1	1	0	0	0	1	0	0	0
Dengue	7	4	4	3	0	0	3	0	0
Japanese encephalitis	3	1	2	1	0	0	1	0	0
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	1	1	1	1	0	0	1	0	0
Ascariasis	0	0	0	0	0	0	0	0	0
Trichuriasis	0	0	0	0	0	0	0	0	0
Hookworm disease	0	0	0	0	0	0	0	0	0
Respiratory infections	955	505	450	147	111	248	137	52	261
Lower respiratory infections	925	489	435	142	106	242	132	50	253
Upper respiratory infections	30	16	14	5	5	6	5	2	7
Otitis media	1	1	0	0	0	0	0	0	0
Maternal conditions	75	0	75	0	0	0	0	75	0
Maternal haemorrhage	20	0	20	0	0	0	0	20	0
Maternal sepsis	7	0	7	0	0	0	0	7	0
Hypertensive disorders of pregnancy	13	0	13	0	0	0	0	13	0
Obstructed labour	3	0	3	0	0	0	0	3	0
Abortion	6	0	6	0	0	0	0	6	0
Perinatal conditions^f	745	391	354	391	0	0	354	0	0
Prematurity and low birth weight	318	167	151	167	0	0	151	0	0
Birth asphyxia and birth trauma	194	101	93	101	0	0	93	0	0
Neonatal infections and other conditions ^g	233	123	110	123	0	0	110	0	0

Cause ^b	Middle-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	3 045	1 531	1 513	400	989	142	372	969	172
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	24 349	13 150	11 199	1 235	4 681	7 234	1 106	2 594	7 499
Nutritional deficiencies	124	55	69	25	11	19	22	16	31
Protein-energy malnutrition	76	39	37	21	7	12	18	4	15
Iodine deficiency	0	0	0	0	0	0	0	0	0
Vitamin A deficiency	1	1	1	1	0	0	0	0	0
Iron-deficiency anaemia	38	13	25	3	4	6	2	11	12
II. Noncommunicable conditions	17 547	9 047	8 500	181	2 482	6 384	166	1 541	6 793
Malignant neoplasms	3 698	2 142	1 556	21	735	1 386	18	533	1 005
Mouth and oropharynx cancers	112	84	28	0	42	42	0	10	18
Oesophagus cancer	315	209	105	0	66	143	0	27	79
Stomach cancer	548	347	201	0	113	234	0	56	145
Colon and rectum cancer	300	156	144	0	47	110	0	36	108
Liver cancer	401	276	125	0	126	150	1	40	84
Pancreas cancer	114	60	54	0	21	39	0	12	43
Trachea, bronchus and lung cancers	694	502	192	0	150	352	0	55	137
Melanoma and other skin cancers	24	12	12	0	5	7	0	4	8
Breast cancer	232	1	231	0	0	0	0	116	116
Cervix uteri cancer	102	0	102	0	0	0	0	50	52
Corpus uteri cancer	26	0	26	0	0	0	0	8	18
Ovary cancer	58	0	58	0	0	0	0	25	33
Prostate cancer	112	112	0	0	8	104	0	0	0
Bladder cancer	85	64	20	0	12	52	0	4	16
Lymphomas and multiple myeloma	117	69	48	3	35	32	2	17	29
Leukaemia	134	75	59	10	40	25	9	29	22
Other neoplasms	63	33	30	2	14	17	2	13	16
Diabetes mellitus	523	217	306	1	61	156	1	64	240
Endocrine disorders	132	62	70	12	21	29	11	22	37
Neuropsychiatric disorders	405	230	175	13	121	96	10	51	114
Unipolar depressive disorders	1	1	1	0	0	0	0	0	0
Bipolar affective disorder	0	0	0	0	0	0	0	0	0
Schizophrenia	9	5	5	0	4	1	0	3	2
Epilepsy	53	33	20	4	24	4	3	14	3
Alcohol use disorders	47	41	6	0	31	10	0	5	1
Alzheimer and other dementias	101	40	61	1	5	34	1	4	56
Parkinson disease	43	21	22	0	2	18	0	1	21
Multiple sclerosis	7	3	4	0	2	1	0	3	2
Drug use disorders	37	31	7	0	30	1	0	6	0
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	2	1	1	0	0	1	0	0	1
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Refractive errors	0	0	0	0	0	0	0	0	0
Hearing loss, adult onset	0	0	0	0	0	0	0	0	0
Macular degeneration and other ^h	2	1	1	0	0	1	0	0	1

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References

(Table A5c continued)

Cause ^b	Middle-income countries			Males			Females		
	Total ^a	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	3 045	1 531	1 513	400	989	142	372	969	172
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	24 349	13 150	11 199	1 235	4 681	7 234	1 106	2 594	7 499
Cardiovascular diseases	8 896	4 303	4 593	20	1 009	3 274	18	556	4 019
Rheumatic heart disease	131	49	81	1	23	24	2	33	47
Hypertensive heart disease	617	299	318	1	60	238	0	40	277
Ischaemic heart disease	3 395	1 738	1 657	1	456	1 281	1	177	1 480
Cerebrovascular disease	3 468	1 629	1 839	5	303	1 322	4	210	1 624
Inflammatory heart diseases ⁱ	233	122	111	3	43	76	2	17	91
Respiratory diseases	2 231	1 158	1 073	13	157	989	11	102	960
Chronic obstructive pulmonary disease	1 798	925	873	1	82	842	1	53	819
Asthma	120	66	54	2	30	33	2	25	27
Digestive diseases	965	580	385	27	275	278	26	117	241
Peptic ulcer disease	119	72	47	1	28	43	1	12	34
Cirrhosis of the liver	399	270	129	1	154	114	1	57	71
Appendicitis	10	6	4	0	3	2	0	1	2
Diseases of the genitourinary system	401	210	191	5	69	137	4	61	126
Nephritis and nephrosis	313	160	154	4	58	98	3	50	100
Benign prostatic hypertrophy	15	15	0	0	1	14	0	0	0
Skin diseases	23	10	13	0	3	6	0	3	10
Musculoskeletal diseases	51	18	33	1	6	12	1	11	22
Rheumatoid arthritis	11	4	8	0	1	3	0	2	6
Osteoarthritis	2	1	1	0	0	1	0	0	1
Congenital abnormalities	156	82	74	69	11	2	64	8	2
Oral diseases	1	1	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	2 954	2 003	952	217	1 457	329	177	533	242
Unintentional	1 922	1 308	614	164	922	222	127	322	165
Road traffic accidents	674	504	170	33	398	72	19	114	37
Poisonings	173	121	52	5	100	17	5	34	12
Falls	199	129	70	6	75	48	4	22	44
Fires	62	33	29	5	20	8	5	15	8
Drownings	202	137	65	46	76	15	25	27	13
Other unintentional injuries	613	384	229	69	253	62	68	110	51
Intentional	819	594	225	13	488	93	10	156	59
Self-inflicted injuries	413	247	165	4	173	70	2	113	50
Violence	317	267	50	5	245	17	4	38	8
War and conflict	82	74	8	4	64	6	3	4	1

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

Table A5d: Deaths (thousands) by age, sex, cause in low-income countries, 2004

Cause ^b	Low-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	2 413	1 229	1 184	459	697	73	435	668	81
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	26 251	13 812	12 439	4 877	4 485	4 450	4 562	3 644	4 233
Communicable, maternal, perinatal and nutritional conditions	13 575	6 918	6 657	4 348	1 709	860	4 062	1 823	772
Infectious and parasitic diseases	7 395	3 958	3 437	2 101	1 455	402	1 954	1 156	326
Tuberculosis	907	588	319	32	421	135	29	230	61
STDs excluding HIV	112	63	49	31	12	20	29	10	10
Syphilis	90	55	35	31	6	18	29	1	6
Chlamydia	8	0	8	0	0	0	0	7	1
Gonorrhoea	0	0	0	0	0	0	0	0	0
HIV/AIDS	1 509	730	778	126	583	21	123	641	15
Diarrhoeal diseases	1 806	943	863	797	77	69	737	53	73
Childhood-cluster diseases	780	419	361	413	6	1	356	4	1
Pertussis	243	124	120	124	0	0	120	0	0
Poliomyelitis ^d	0	0	0	0	0	0	0	0	0
Diphtheria	5	2	2	2	0	0	2	0	0
Measles	389	201	187	201	0	0	187	0	0
Tetanus	143	92	51	86	6	1	46	4	1
Meningitis	263	140	123	85	41	14	91	23	9
Hepatitis B ^e	56	38	18	4	26	7	4	10	4
Hepatitis C ^e	21	15	7	2	10	3	2	4	1
Malaria	857	439	418	420	17	2	397	18	2
Tropical-cluster diseases	131	82	49	26	48	9	18	26	5
Trypanosomiasis	50	31	18	13	17	1	8	10	1
Chagas disease	0	0	0	0	0	0	0	0	0
Schistosomiasis	36	22	13	1	15	6	1	9	3
Leishmaniasis	45	28	17	12	15	2	9	7	1
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	4	3	1	0	2	1	0	0	1
Dengue	11	5	5	5	0	0	5	0	0
Japanese encephalitis	8	4	4	3	0	0	4	0	0
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	5	3	2	3	0	0	2	0	0
Ascariasis	2	1	1	1	0	0	1	0	0
Trichuriasis	2	1	1	1	0	0	1	0	0
Hookworm disease	0	0	0	0	0	0	0	0	0
Respiratory infections	2 990	1 555	1 435	908	206	440	862	160	414
Lower respiratory infections	2 943	1 529	1 414	896	202	432	850	156	407
Upper respiratory infections	43	23	20	11	4	8	10	3	6
Otitis media	4	2	2	1	1	0	1	1	0
Maternal conditions	449	0	449	0	0	0	2	447	0
Maternal haemorrhage	120	0	120	0	0	0	0	120	0
Maternal sepsis	55	0	55	0	0	0	0	54	0
Hypertensive disorders of pregnancy	49	0	49	0	0	0	2	47	0
Obstructed labour	31	0	31	0	0	0	0	31	0
Abortion	61	0	61	0	0	0	0	61	0
Perinatal conditions^f	2 397	1 244	1 153	1 244	0	0	1 153	0	0
Prematurity and low birth weight	845	436	408	436	0	0	408	0	0
Birth asphyxia and birth trauma	655	341	315	341	0	0	315	0	0
Neonatal infections and other conditions ^g	897	468	429	468	0	0	429	0	0

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Annex A

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References

(Table A5d continued)

Cause ^b	Low-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	2 413	1 229	1 184	459	697	73	435	668	81
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	26 251	13 812	12 439	4 877	4 485	4 450	4 562	3 644	4 233
Nutritional deficiencies	344	160	183	95	48	18	91	59	33
Protein-energy malnutrition	166	84	81	67	14	4	66	12	3
Iodine deficiency	5	3	2	3	0	0	2	0	0
Vitamin A deficiency	16	9	7	8	0	0	7	0	0
Iron-deficiency anaemia	107	40	67	11	27	2	11	43	13
II. Noncommunicable conditions	10 358	5 425	4 933	285	1 758	3 383	295	1 348	3 290
Malignant neoplasms	1 560	806	754	22	273	511	21	290	443
Mouth and oropharynx cancers	180	124	57	0	47	77	0	18	39
Oesophagus cancer	132	75	58	0	23	52	0	18	39
Stomach cancer	110	63	47	0	22	41	0	16	31
Colon and rectum cancer	73	41	32	0	16	25	0	11	21
Liver cancer	100	68	32	1	29	39	1	13	18
Pancreas cancer	29	15	14	0	5	10	0	5	9
Trachea, bronchus and lung cancers	151	120	31	0	34	85	0	10	21
Melanoma and other skin cancers	10	5	5	0	2	3	0	2	3
Breast cancer	125	0	125	0	0	0	0	59	66
Cervix uteri cancer	142	0	142	0	0	0	0	62	80
Corpus uteri cancer	8	0	8	0	0	0	0	2	6
Ovary cancer	38	0	38	0	0	0	0	15	22
Prostate cancer	73	73	0	0	6	67	0	0	0
Bladder cancer	39	29	10	0	4	24	0	2	9
Lymphomas and multiple myeloma	97	59	38	7	27	25	4	14	20
Leukaemia	64	35	29	6	19	9	7	14	8
Other neoplasms	40	20	20	2	10	8	3	9	8
Diabetes mellitus	393	187	206	2	63	122	3	56	147
Endocrine disorders	94	45	49	12	16	18	10	16	22
Neuropsychiatric disorders	404	233	171	26	99	108	24	46	101
Unipolar depressive disorders	10	5	5	0	4	1	0	4	1
Bipolar affective disorder	0	0	0	0	0	0	0	0	0
Schizophrenia	18	10	8	0	7	2	0	5	4
Epilepsy	78	43	35	14	22	7	14	15	6
Alcohol use disorders	18	16	2	0	12	4	0	1	1
Alzheimer and other dementias	113	57	56	0	1	56	0	1	55
Parkinson disease	15	9	6	0	0	9	0	0	6
Multiple sclerosis	2	1	1	0	0	0	0	0	0
Drug use disorders	44	36	8	0	35	1	0	7	0
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	2	1	1	0	0	1	0	0	1
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Refractive errors	0	0	0	0	0	0	0	0	0
Hearing loss, adult onset	0	0	0	0	0	0	0	0	0
Macular degeneration and other ^b	2	1	1	0	0	1	0	0	1

Cause ^b	Low-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	2 413	1 229	1 184	459	697	73	435	668	81
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL Deaths	26 251	13 812	12 439	4 877	4 485	4 450	4 562	3 644	4 233
Cardiovascular diseases	5 142	2 633	2 510	40	771	1 822	42	543	1 924
Rheumatic heart disease	149	72	77	7	37	28	10	35	32
Hypertensive heart disease	224	102	122	1	33	69	1	30	91
Ischaemic heart disease	2 468	1 389	1 079	5	419	965	3	230	846
Cerebrovascular disease	1 482	719	764	6	169	544	6	133	625
Inflammatory heart diseases ^d	129	63	66	6	24	33	6	20	40
Respiratory diseases	1 328	738	589	19	217	503	18	168	403
Chronic obstructive pulmonary disease	939	533	406	1	130	402	1	90	315
Asthma	146	77	70	4	47	26	4	44	22
Digestive diseases	730	404	326	31	213	160	42	148	136
Peptic ulcer disease	126	79	47	3	46	30	3	20	25
Cirrhosis of the liver	257	161	96	9	86	66	14	44	38
Appendicitis	11	6	4	1	3	3	0	1	3
Diseases of the genitourinary system	353	205	148	11	80	114	10	56	82
Nephritis and nephrosis	298	165	133	10	67	88	9	49	74
Benign prostatic hypertrophy	22	22	0	0	6	16	0	0	0
Skin diseases	29	12	17	1	4	7	1	5	11
Musculoskeletal diseases	29	13	16	1	3	9	1	4	11
Rheumatoid arthritis	6	2	4	0	1	2	0	1	3
Osteoarthritis	2	1	1	0	0	1	0	0	1
Congenital abnormalities	253	127	126	118	8	1	119	7	1
Oral diseases	2	1	1	0	1	0	0	1	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	2 318	1 469	849	244	1 018	207	205	473	171
Unintentional	1 640	997	643	216	622	158	183	317	143
Road traffic accidents	485	356	128	64	249	43	44	63	22
Poisonings	142	80	62	14	53	13	9	29	24
Falls	149	92	57	13	37	42	10	16	31
Fires	240	82	157	27	47	8	35	104	18
Drownings	169	114	55	38	68	9	25	23	8
Other unintentional injuries	455	272	183	60	169	43	61	82	40
Intentional	656	462	195	23	391	48	18	151	26
Self-inflicted injuries	294	179	115	4	154	22	3	99	13
Violence	255	198	58	11	168	19	9	40	9
War and conflict	100	79	20	7	66	6	5	11	4

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

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References

Table A6: Burden of disease in DALYs by cause, sex and age group, countries grouped by income per capita,^a 2004

Table A6a: DALYs (thousands) by age, sex, cause in the world, 2004

Cause ^b	World			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	6 437	3 244	3 193	951	1 994	298	895	1 938	360
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	1 523 259	796 133	727 126	283 314	403 131	109 688	265 052	349 256	112 817
Communicable, maternal, perinatal and nutritional conditions	603 993	294 075	309 918	209 259	75 063	9 753	197 231	103 763	8 924
Infectious and parasitic diseases	302 144	159 741	142 403	91 646	63 028	5 067	84 859	53 361	4 182
Tuberculosis	34 217	21 658	12 558	1 723	17 683	2 252	1 655	9 873	1 031
STDs excluding HIV	10 425	3 558	6 866	1 675	1 743	141	1 639	5 136	92
Syphilis	2 846	1 531	1 316	1 145	264	121	1 062	208	46
Chlamydia	3 748	320	3 428	9	311	0	72	3 341	14
Gonorrhoea	3 550	1 554	1 996	502	1 052	1	489	1 505	2
HIV/AIDS	58 513	28 569	29 944	5 322	22 975	272	5 191	24 539	214
Diarrhoeal diseases	72 777	37 905	34 872	33 808	3 505	592	31 390	2 832	650
Childhood-cluster diseases	30 226	16 221	14 005	15 912	295	13	13 811	184	10
Pertussis	9 882	5 009	4 873	5 007	2	0	4 870	3	0
Poliomyelitis ^d	34	19	15	11	7	1	11	3	1
Diphtheria	174	86	88	83	3	0	86	1	0
Measles	14 853	7 699	7 154	7 624	75	0	7 102	52	0
Tetanus	5 283	3 409	1 875	3 188	209	12	1 741	126	8
Meningitis	11 426	5 891	5 536	4 314	1 451	126	4 472	959	104
Hepatitis B ^e	2 068	1 437	630	192	1 125	121	184	376	70
Hepatitis C ^e	955	653	302	73	507	73	72	172	58
Malaria	33 976	17 340	16 636	16 595	719	26	15 851	754	31
Tropical-cluster diseases	12 113	8 264	3 850	3 075	5 050	138	1 582	2 159	109
Trypanosomiasis	1 673	1 041	631	515	518	9	320	305	5
Chagas disease	430	231	199	0	205	27	0	176	22
Schistosomiasis	1 707	1 021	686	503	467	51	360	292	34
Leishmaniasis	1 974	1 227	748	565	644	17	407	327	14
Lymphatic filariasis	5 941	4 521	1 420	1 459	3 045	17	463	935	22
Onchocerciasis	389	223	166	33	172	18	31	123	12
Leprosy	194	116	78	32	74	11	28	45	4
Dengue	670	336	334	320	15	1	316	17	1
Japanese encephalitis	681	330	351	279	49	2	300	49	2
Trachoma	1 334	338	997	2	233	102	4	647	346
Intestinal nematode infections	4 013	2 052	1 961	1 654	373	24	1 574	361	26
Ascariasis	1 851	943	908	942	2	0	906	1	0
Trichuriasis	1 012	525	487	525	0	0	487	0	0
Hookworm disease	1 092	551	541	160	369	23	157	359	25
Respiratory infections	97 786	51 266	46 520	39 303	7 819	4 144	36 890	5 702	3 929
Lower respiratory infections	94 511	49 542	44 969	37 967	7 523	4 052	35 633	5 487	3 850
Upper respiratory infections	1 787	952	835	601	262	89	574	183	78
Otitis media	1 488	772	716	735	34	3	682	32	2
Maternal conditions	38 936	0	38 936	0	0	0	531	38 404	0
Maternal haemorrhage	4 439	0	4 439	0	0	0	1	4 438	0
Maternal sepsis	6 535	0	6 535	0	0	0	8	6 527	0
Hypertensive disorders of pregnancy	1 888	0	1 888	0	0	0	62	1 827	0
Obstructed labour	2 882	0	2 882	0	0	0	0	2 882	0
Abortion	7 424	0	7 424	0	0	0	436	6 989	0
Perinatal conditions^f	126 423	64 633	61 791	64 631	2	0	61 789	1	0
Prematurity and low birth weight	44 307	22 624	21 683	22 624	0	0	21 682	0	0
Birth asphyxia and birth trauma	41 684	21 051	20 633	21 050	1	0	20 632	1	0
Neonatal infections and other conditions ^g	40 433	20 957	19 476	20 957	1	0	19 475	1	0

Cause ^b	World			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	6 437	3 244	3 193	951	1 994	298	895	1 938	360
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	1 523 259	796 133	727 126	283 314	403 131	109 688	265 052	349 256	112 817
Nutritional deficiencies	38 703	18 436	20 268	13 679	4 215	542	13 161	6 294	813
Protein-energy malnutrition	17 462	8 925	8 536	8 365	481	80	8 067	366	103
Iodine deficiency	3 529	1 789	1 740	1 787	1	0	1 737	2	1
Vitamin A deficiency	629	339	291	336	2	0	289	2	0
Iron-deficiency anaemia	16 152	6 918	9 234	2 973	3 555	390	2 843	5 792	599
II. Noncommunicable conditions	731 652	378 693	352 959	47 526	235 848	95 318	46 003	206 670	100 286
Malignant neoplasms	77 812	41 893	35 919	1 682	22 708	17 503	1 527	20 705	13 687
Mouth and oropharynx cancers	3 790	2 790	999	24	1 830	936	24	565	410
Oesophagus cancer	4 768	3 121	1 647	4	1 646	1 472	3	832	813
Stomach cancer	7 491	4 683	2 808	11	2 598	2 074	4	1 547	1 257
Colon and rectum cancer	5 874	3 207	2 666	9	1 680	1 518	4	1 301	1 362
Liver cancer	6 712	4 726	1 986	47	3 096	1 584	44	1 114	828
Pancreas cancer	2 219	1 228	992	3	637	588	1	412	579
Trachea, bronchus and lung cancers	11 766	8 312	3 454	11	3 937	4 364	11	1 643	1 800
Melanoma and other skin cancers	706	389	317	4	248	138	5	193	119
Breast cancer	6 629	18	6 611	0	9	9	4	4 595	2 011
Cervix uteri cancer	3 719	0	3 719	0	0	0	2	2 663	1 054
Corpus uteri cancer	745	0	745	0	0	0	4	428	313
Ovary cancer	1 745	0	1 745	0	0	0	32	1 113	600
Prostate cancer	1 843	1 843	0	3	315	1 525	0	0	0
Bladder cancer	1 451	1 079	372	4	394	681	2	144	226
Lymphomas and multiple myeloma	4 284	2 660	1 624	380	1 660	621	236	831	557
Leukaemia	4 944	2 805	2 139	638	1 781	386	590	1 228	321
Other neoplasms	1 953	1 016	937	151	612	253	166	525	245
Diabetes mellitus	19 705	9 046	10 659	161	6 055	2 830	181	6 408	4 071
Endocrine disorders	10 446	4 793	5 653	1 801	2 351	642	1 576	3 144	933
Neuropsychiatric disorders	199 280	98 328	100 952	15 521	76 342	6 465	15 086	75 693	10 172
Unipolar depressive disorders	65 472	24 392	41 080	2 787	20 594	1 011	2 885	35 938	2 257
Bipolar affective disorder	14 425	7 299	7 126	394	6 901	4	328	6 792	6
Schizophrenia	16 769	8 544	8 226	1 279	7 223	42	352	7 807	67
Epilepsy	7 854	4 234	3 621	1 439	2 640	155	1 338	2 134	149
Alcohol use disorders	23 738	21 154	2 584	694	19 995	465	111	2 397	75
Alzheimer and other dementias	11 158	4 312	6 847	355	591	3 366	334	635	5 878
Parkinson disease	1 710	854	856	8	337	509	7	309	540
Multiple sclerosis	1 527	656	871	70	563	22	90	743	38
Drug use disorders	8 370	6 586	1 784	169	6 393	24	86	1 690	8
Post-traumatic stress disorder	3 468	960	2 508	34	921	5	26	2 464	19
Obsessive-compulsive disorder	5 104	2 195	2 909	211	1 959	25	422	2 445	42
Panic disorder	6 991	2 374	4 617	116	2 247	11	115	4 476	26
Insomnia (primary)	3 623	1 562	2 060	45	1 362	155	44	1 749	267
Migraine	7 765	2 116	5 649	888	1 228	0	2 477	3 172	0
Sense organ disorders	86 883	41 843	45 040	2 375	28 404	11 064	2 119	28 938	13 983
Glaucoma	4 728	2 100	2 628	74	1 399	628	22	1 631	974
Cataracts	17 757	7 858	9 899	106	5 498	2 254	75	6 492	3 331
Refractive errors	27 745	13 769	13 977	2 164	7 981	3 624	2 002	7 862	4 113
Hearing loss, adult onset	27 356	14 073	13 283	0	10 851	3 223	0	9 738	3 545
Macular degeneration and other ^h	9 297	4 043	5 254	30	2 677	1 336	20	3 214	2 020

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Annex A

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References

(Table A6a continued)

Cause ^b	World			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	6 437	3 244	3 193	951	1 994	298	895	1 938	360
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	1 523 259	796 133	727 126	283 314	403 131	109 688	265 052	349 256	112 817
Cardiovascular diseases	151 377	82 894	68 483	2 546	44 066	36 283	2 591	28 065	37 827
Rheumatic heart disease	5 188	2 301	2 887	342	1 610	350	443	1 823	621
Hypertensive heart disease	8 020	4 066	3 953	54	1 934	2 079	56	1 450	2 447
Ischaemic heart disease	62 587	37 271	25 316	213	20 373	16 685	145	9 831	15 340
Cerebrovascular disease	46 591	24 129	22 462	423	11 227	12 479	398	8 462	13 602
Inflammatory heart diseases ^f	6 236	3 689	2 547	357	2 421	911	336	1 313	897
Respiratory diseases	59 039	33 215	25 824	4 644	17 706	10 865	4 549	12 402	8 872
Chronic obstructive pulmonary disease	30 196	17 399	12 796	93	8 480	8 826	67	5 661	7 068
Asthma	16 317	8 856	7 461	3 128	5 302	426	3 269	3 769	424
Digestive diseases	42 498	24 657	17 841	3 278	17 354	4 025	3 267	11 011	3 563
Peptic ulcer disease	4 963	3 293	1 670	268	2 480	546	148	1 105	417
Cirrhosis of the liver	13 640	8 868	4 772	522	6 641	1 706	673	3 012	1 087
Appendicitis	418	259	160	50	176	33	31	95	34
Diseases of the genitourinary system	14 754	8 735	6 019	831	5 888	2 016	749	3 648	1 622
Nephritis and nephrosis	9 057	4 889	4 168	695	2 944	1 249	636	2 295	1 237
Benign prostatic hypertrophy	2 664	2 664	0	0	2 193	471	0	0	0
Skin diseases	3 879	1 936	1 943	510	1 202	224	357	1 219	368
Musculoskeletal diseases	30 869	13 604	17 265	701	10 514	2 390	868	12 389	4 007
Rheumatoid arthritis	5 050	1 446	3 604	127	1 066	253	311	2 741	552
Osteoarthritis	15 586	6 095	9 491	4	4 559	1 531	6	6 854	2 631
Congenital abnormalities	25 280	12 853	12 427	12 187	638	28	11 892	507	29
Oral diseases	7 875	3 878	3 997	1 138	2 010	730	1 074	2 015	907
Dental caries	4 882	2 476	2 406	1 122	1 180	174	1 057	1 148	201
Periodontal disease	320	160	160	0	150	9	2	147	11
Edentulism	2 555	1 191	1 364	0	651	540	0	679	685
III. Injuries	187 614	123 366	64 249	26 529	92 220	4 617	21 819	38 823	3 607
Unintentional	138 564	87 130	51 434	24 340	59 345	3 445	20 211	28 318	2 905
Road traffic accidents	41 223	29 240	11 983	5 308	22 974	958	4 174	7 266	542
Poisonings	7 447	4 893	2 554	678	3 979	236	528	1 739	287
Falls	17 157	10 447	6 710	3 312	6 336	799	2 984	2 933	793
Fires	11 271	4 534	6 738	2 051	2 367	116	2 514	4 038	185
Drownings	10 728	7 354	3 374	3 094	4 079	181	1 839	1 392	143
Other unintentional injuries	50 738	30 663	20 076	9 898	19 610	1 155	8 171	10 951	954
Intentional	49 050	36 236	12 815	2 189	32 874	1 172	1 609	10 505	701
Self-inflicted injuries	19 566	11 686	7 880	432	10 471	783	498	6 874	508
Violence	21 701	17 892	3 810	1 213	16 403	276	696	2 971	142
War and conflict	7 383	6 320	1 063	524	5 694	102	401	616	47

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

Table A6b: DALYs (thousands) by age, sex, cause in high-income countries, 2004

Cause ^b	High-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	977	482	495	92	308	83	87	300	108
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	122 092	64 189	57 902	5 277	37 789	21 124	4 665	31 499	21 739
Communicable, maternal, perinatal and nutritional conditions	7 340	3 482	3 858	1 423	1 288	770	1 265	1 843	750
Infectious and parasitic diseases	2 754	1 500	1 254	237	984	279	240	734	280
Tuberculosis	185	120	65	6	74	40	6	38	21
STDs excluding HIV	215	35	180	3	32	0	5	174	2
Syphilis	7	4	3	1	2	0	1	2	0
Chlamydia	159	13	145	0	13	0	2	143	0
Gonorrhoea	46	17	29	1	16	0	1	28	0
HIV/AIDS	628	466	162	2	452	11	2	155	5
Diarrhoeal diseases	438	213	225	102	88	24	109	82	33
Childhood-cluster diseases	55	28	27	25	1	1	25	1	2
Pertussis	44	22	22	22	0	0	22	0	0
Poliomyelitis ^d	4	2	2	0	1	1	0	0	1
Diphtheria	0	0	0	0	0	0	0	0	0
Measles	3	2	2	1	0	0	2	0	0
Tetanus	4	2	1	2	0	0	1	0	0
Meningitis	108	56	52	29	22	5	28	18	6
Hepatitis B ^e	82	57	26	0	41	15	0	12	13
Hepatitis C ^e	153	98	56	0	72	26	0	26	29
Malaria	5	3	2	2	1	0	1	1	0
Tropical-cluster diseases	15	9	6	3	6	0	2	3	0
Trypanosomiasis	0	0	0	0	0	0	0	0	0
Chagas disease	2	1	1	0	1	0	0	1	0
Schistosomiasis	9	5	3	2	3	0	2	2	0
Leishmaniasis	4	2	2	1	1	0	1	1	0
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	0	0	0
Dengue	6	3	3	3	0	0	2	0	0
Japanese encephalitis	2	1	1	1	0	0	1	0	0
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	24	12	12	7	5	1	6	5	1
Ascariasis	6	3	3	3	0	0	3	0	0
Trichuriasis	6	3	3	3	0	0	3	0	0
Hookworm disease	12	6	6	0	5	0	0	5	1
Respiratory infections	1 374	742	632	123	194	425	127	121	383
Lower respiratory infections	1 220	663	557	69	178	417	76	106	375
Upper respiratory infections	54	28	27	4	16	8	4	15	8
Otitis media	99	51	48	50	0	0	48	0	0
Maternal conditions	667	0	667	0	0	0	2	665	0
Maternal haemorrhage	6	0	6	0	0	0	0	6	0
Maternal sepsis	143	0	143	0	0	0	0	143	0
Hypertensive disorders of pregnancy	6	0	6	0	0	0	0	6	0
Obstructed labour	15	0	15	0	0	0	0	15	0
Abortion	31	0	31	0	0	0	2	29	0
Perinatal conditions^f	1 770	968	803	966	1	0	801	1	0
Prematurity and low birth weight	739	406	333	406	0	0	333	0	0
Birth asphyxia and birth trauma	497	264	234	263	1	0	233	0	0
Neonatal infections and other conditions ^g	534	298	236	297	1	0	235	1	0

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Annex A

Annex B

Annex C

References

(Table A6b continued)

Cause ^b	High-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	977	482	495	92	308	83	87	300	108
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	122 092	64 189	57 902	5 277	37 789	21 124	4 665	31 499	21 739
Nutritional deficiencies	775	272	504	97	109	66	95	322	87
Protein-energy malnutrition	128	65	64	49	6	9	48	4	12
Iodine deficiency	3	2	2	1	0	0	1	0	0
Vitamin A deficiency	0	0	0	0	0	0	0	0	0
Iron-deficiency anaemia	630	200	430	45	100	55	45	312	73
II. Noncommunicable conditions	103 529	52 701	50 829	3 109	29 932	19 659	2 945	27 417	20 466
Malignant neoplasms	17 826	9 604	8 222	107	3 886	5 611	86	3 849	4 287
Mouth and oropharynx cancers	432	336	96	1	201	134	0	49	46
Oesophagus cancer	488	394	94	0	177	218	0	33	61
Stomach cancer	1 027	652	375	0	256	396	0	159	216
Colon and rectum cancer	2 095	1 155	940	0	445	709	0	350	590
Liver cancer	845	614	231	2	282	330	2	70	159
Pancreas cancer	857	474	383	0	194	281	0	119	264
Trachea, bronchus and lung cancers	3 608	2 388	1 220	1	874	1 513	1	475	744
Melanoma and other skin cancers	316	192	124	0	111	81	0	73	50
Breast cancer	1 856	11	1 845	0	5	6	0	1 129	716
Cervix uteri cancer	330	0	330	0	0	0	0	234	95
Corpus uteri cancer	259	0	259	0	0	0	0	122	137
Ovary cancer	463	0	463	0	0	0	1	240	222
Prostate cancer	704	704	0	0	94	609	0	0	0
Bladder cancer	436	330	106	0	98	232	0	26	79
Lymphomas and multiple myeloma	900	508	392	7	233	268	4	142	246
Leukaemia	688	396	292	36	186	173	28	130	134
Other neoplasms	366	196	170	12	77	107	13	59	99
Diabetes mellitus	3 623	1 772	1 851	6	1 064	703	5	969	876
Endocrine disorders	1 927	860	1 067	177	490	193	148	660	260
Neuropsychiatric disorders	31 558	14 785	16 773	1 131	11 365	2 289	1 042	11 868	3 864
Unipolar depressive disorders	9 997	3 525	6 472	273	3 010	242	288	5 711	474
Bipolar affective disorder	1 543	783	760	31	751	1	25	733	2
Schizophrenia	1 553	823	730	169	649	5	84	639	7
Epilepsy	538	296	242	56	212	28	50	161	30
Alcohol use disorders	4 207	3 372	835	45	3 225	101	12	800	24
Alzheimer and other dementias	4 387	1 515	2 872	40	121	1 354	39	139	2 694
Parkinson disease	694	364	331	0	89	274	0	68	263
Multiple sclerosis	320	139	181	10	118	11	10	149	22
Drug use disorders	1 894	1 427	468	17	1 405	4	11	455	2
Post-traumatic stress disorder	512	137	376	3	132	2	3	367	5
Obsessive-compulsive disorder	597	249	348	7	239	4	9	336	3
Panic disorder	795	269	526	12	254	3	10	508	7
Insomnia (primary)	768	334	434	5	273	56	4	342	88
Migraine	1 437	368	1 070	147	221	0	228	842	0
Sense organ disorders	9 235	4 442	4 792	157	2 586	1 699	155	2 604	2 033
Glaucoma	371	153	218	0	84	68	2	109	107
Cataracts	406	187	219	3	129	55	5	130	84
Refractive errors	2 745	1 327	1 418	153	777	397	146	764	508
Hearing loss, adult onset	4 203	2 164	2 038	0	1 271	893	0	1 099	940
Macular degeneration and other ^h	1 510	611	899	1	325	285	3	502	395

Cause ^b	High-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	977	482	495	92	308	83	87	300	108
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	122 092	64 189	57 902	5 277	37 789	21 124	4 665	31 499	21 739
Cardiovascular diseases	17 853	10 272	7 581	64	4 576	5 632	57	2 251	5 274
Rheumatic heart disease	120	44	76	1	19	24	1	24	52
Hypertensive heart disease	801	396	406	0	172	223	0	90	315
Ischaemic heart disease	7 739	4 996	2 743	1	2 164	2 830	1	615	2 126
Cerebrovascular disease	4 763	2 403	2 360	11	1 048	1 344	9	845	1 506
Inflammatory heart diseases ^d	748	481	267	17	278	186	15	119	133
Respiratory diseases	7 266	3 874	3 392	457	2 014	1 402	485	1 794	1 113
Chronic obstructive pulmonary disease	3 663	1 912	1 750	5	990	917	2	1 055	693
Asthma	1 919	1 021	898	377	604	40	428	400	70
Digestive diseases	4 714	2 684	2 030	102	1 788	793	87	1 165	779
Peptic ulcer disease	194	107	86	1	63	43	1	45	41
Cirrhosis of the liver	1 653	1 160	493	5	851	305	1	317	175
Appendicitis	35	21	14	3	14	3	2	9	3
Diseases of the genitourinary system	1 248	750	498	14	341	396	18	165	316
Nephritis and nephrosis	630	326	304	9	115	201	12	86	207
Benign prostatic hypertrophy	302	302	0	0	174	128	0	0	0
Skin diseases	230	96	134	5	45	46	5	50	79
Musculoskeletal diseases	5 237	2 116	3 121	35	1 378	702	63	1 688	1 370
Rheumatoid arthritis	955	268	688	9	173	85	34	474	179
Osteoarthritis	2 777	1 107	1 670	0	630	477	0	735	934
Congenital abnormalities	1 606	839	767	737	91	11	683	71	13
Oral diseases	840	411	429	105	231	75	100	226	103
Dental caries	507	257	251	104	128	24	99	121	30
Periodontal disease	38	19	19	0	18	1	0	18	1
Edentulism	287	132	155	0	83	49	0	85	70
III. Injuries	11 222	8 007	3 215	744	6 568	694	455	2 238	523
Unintentional	7 595	5 264	2 331	654	4 113	497	396	1 503	432
Road traffic accidents	3 127	2 262	865	180	1 964	118	120	669	75
Poisonings	693	479	214	7	460	11	4	200	11
Falls	1 297	838	459	123	556	159	75	196	188
Fires	187	118	69	29	76	13	22	38	10
Drownings	307	242	65	53	166	23	22	29	14
Other unintentional injuries	1 983	1 325	658	262	891	173	153	371	134
Intentional	3 627	2 743	884	91	2 455	197	59	736	90
Self-inflicted injuries	2 616	1 946	670	44	1 717	185	26	562	82
Violence	928	717	211	46	659	12	32	171	8
War and conflict	67	64	2	0	64	0	0	2	0

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

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Annex A

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Annex C

References

Table A6c: DALYs (thousands) by age, sex, cause in middle-income countries, 2004

Cause ^b	Middle-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	3 045	1 531	1 513	400	989	142	372	969	172
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	572 859	313 409	259 450	67 138	192 506	53 765	61 259	143 399	54 792
Communicable, maternal, perinatal and nutritional conditions	127 572	63 208	64 364	36 742	23 084	3 383	34 443	27 118	2 803
Infectious and parasitic diseases	58 128	32 029	26 099	11 197	18 905	1 927	10 362	14 362	1 376
Tuberculosis	11 661	7 692	3 969	411	6 176	1 105	417	3 070	482
STDs excluding HIV	2 327	610	1 717	157	436	17	162	1 534	21
Syphilis	301	160	141	85	65	10	72	61	8
Chlamydia	1 169	97	1 072	2	95	0	20	1 050	3
Gonorrhoea	799	331	468	68	262	0	68	398	2
HIV/AIDS	14 977	8 043	6 935	916	7 062	64	892	5 983	59
Diarrhoeal diseases	13 107	6 817	6 290	5 348	1 298	171	4 971	1 139	180
Childhood-cluster diseases	2 504	1 393	1 112	1 251	135	7	1 039	68	4
Pertussis	675	345	329	345	0	0	329	1	0
Poliomyelitis ^d	4	3	1	0	2	0	0	1	0
Diphtheria	11	6	5	5	0	0	4	1	0
Measles	1 238	654	584	581	73	0	535	50	0
Tetanus	576	385	192	319	59	7	171	16	4
Meningitis	2 412	1 259	1 153	896	329	34	847	271	34
Hepatitis B ^e	748	574	174	35	482	58	32	110	32
Hepatitis C ^e	325	246	78	12	207	28	11	47	19
Malaria	1 177	598	579	519	75	4	503	72	4
Tropical-cluster diseases	1 271	796	475	177	582	38	97	349	29
Trypanosomiasis	86	53	32	26	27	0	16	16	0
Chagas disease	423	228	195	0	202	26	0	174	22
Schistosomiasis	204	121	83	54	61	7	41	38	4
Leishmaniasis	110	73	37	27	45	1	17	20	1
Lymphatic filariasis	444	319	125	69	246	3	22	101	3
Onchocerciasis	4	2	2	0	2	0	1	1	0
Leprosy	34	20	14	4	11	5	4	9	1
Dengue	266	134	133	125	8	0	122	10	1
Japanese encephalitis	198	95	103	78	16	1	86	16	1
Trachoma	436	106	330	0	69	37	1	207	122
Intestinal nematode infections	1 293	661	632	442	204	14	420	196	16
Ascariasis	420	215	205	214	1	0	204	0	0
Trichuriasis	344	178	167	177	0	0	167	0	0
Hookworm disease	502	254	247	38	202	14	36	196	15
Respiratory infections	17 565	9 612	7 953	5 915	2 485	1 211	5 518	1 344	1 091
Lower respiratory infections	16 319	8 947	7 372	5 429	2 340	1 178	5 046	1 263	1 064
Upper respiratory infections	642	351	291	182	137	32	190	74	27
Otitis media	604	313	291	303	9	1	282	8	0
Maternal conditions	9 227	0	9 227	0	0	0	100	9 127	0
Maternal haemorrhage	592	0	592	0	0	0	0	591	0
Maternal sepsis	1 895	0	1 895	0	0	0	1	1 894	0
Hypertensive disorders of pregnancy	378	0	378	0	0	0	5	372	0
Obstructed labour	527	0	527	0	0	0	0	527	0
Abortion	1 515	0	1 515	0	0	0	90	1 425	0
Perinatal conditions^f	31 290	16 147	15 143	16 147	0	0	15 143	0	0
Prematurity and low birth weight	11 459	5 948	5 511	5 948	0	0	5 511	0	0
Birth asphyxia and birth trauma	11 384	5 777	5 607	5 777	0	0	5 607	0	0
Neonatal infections and other conditions ^g	8 447	4 422	4 025	4 422	0	0	4 025	0	0

Cause ^b	Middle-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	3 045	1 531	1 513	400	989	142	372	969	172
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	572 859	313 409	259 450	67 138	192 506	53 765	61 259	143 399	54 792
Nutritional deficiencies	11 362	5 421	5 941	3 483	1 693	245	3 321	2 284	336
Protein-energy malnutrition	4 032	2 112	1 920	1 910	150	52	1 766	88	66
Iodine deficiency	1 558	770	789	769	0	0	787	1	1
Vitamin A deficiency	41	22	19	21	1	0	18	0	0
Iron-deficiency anaemia	5 569	2 454	3 115	748	1 522	184	717	2 150	248
II. Noncommunicable conditions	355 196	188 117	167 078	19 744	120 408	47 966	18 380	98 433	50 264
Malignant neoplasms	40 975	22 963	18 013	764	13 464	8 735	659	10 871	6 483
Mouth and oropharynx cancers	1 374	1 064	310	8	760	295	6	189	116
Oesophagus cancer	2 963	1 999	964	1	1 075	923	1	464	500
Stomach cancer	5 294	3 370	1 925	6	1 931	1 432	2	1 069	853
Colon and rectum cancer	2 945	1 576	1 369	4	908	665	1	720	647
Liver cancer	4 625	3 292	1 333	17	2 273	1 002	18	769	546
Pancreas cancer	1 066	601	465	1	354	246	0	208	257
Trachea, bronchus and lung cancers	6 673	4 777	1 896	6	2 478	2 293	4	977	914
Melanoma and other skin cancers	269	138	131	1	96	40	3	82	46
Breast cancer	3 144	7	3 137	0	4	3	2	2 300	835
Cervix uteri cancer	1 486	0	1 486	0	0	0	1	1 109	376
Corpus uteri cancer	396	0	396	0	0	0	0	258	138
Ovary cancer	783	0	783	0	0	0	13	540	230
Prostate cancer	686	686	0	2	128	556	0	0	0
Bladder cancer	714	535	179	2	221	313	1	81	97
Lymphomas and multiple myeloma	1 729	1 101	628	126	774	201	72	370	186
Leukaemia	2 759	1 584	1 175	367	1 061	156	320	719	137
Other neoplasms	865	452	413	57	293	102	56	259	98
Diabetes mellitus	10 081	4 367	5 713	43	3 023	1 301	51	3 583	2 079
Endocrine disorders	4 760	2 147	2 614	853	1 038	256	818	1 456	340
Neuropsychiatric disorders	94 822	48 686	46 137	7 143	38 818	2 724	6 340	35 586	4 210
Unipolar depressive disorders	28 983	10 785	18 198	1 121	9 205	460	1 215	15 852	1 130
Bipolar affective disorder	7 041	3 511	3 530	161	3 348	2	167	3 360	3
Schizophrenia	8 429	4 323	4 106	688	3 616	19	195	3 883	27
Epilepsy	3 201	1 775	1 425	449	1 264	63	378	984	63
Alcohol use disorders	14 853	13 517	1 335	515	12 691	311	37	1 262	36
Alzheimer and other dementias	4 772	1 921	2 851	170	341	1 410	160	359	2 332
Parkinson disease	670	326	343	6	158	162	5	138	200
Multiple sclerosis	730	306	424	31	268	7	45	366	13
Drug use disorders	3 664	2 856	808	85	2 762	10	46	760	3
Post-traumatic stress disorder	1 663	470	1 193	14	454	2	10	1 173	10
Obsessive-compulsive disorder	2 484	1 082	1 402	95	971	16	125	1 252	24
Panic disorder	3 348	1 126	2 222	48	1 073	5	51	2 158	13
Insomnia (primary)	1 458	537	921	24	460	53	20	788	114
Migraine	3 512	928	2 585	327	600	0	835	1 749	0
Sense organ disorders	41 604	20 288	21 316	1 379	13 715	5 195	1 264	13 368	6 684
Glaucoma	2 517	1 124	1 393	15	736	372	14	804	575
Cataracts	8 813	3 953	4 860	41	2 637	1 274	46	2 922	1 892
Refractive errors	13 731	6 861	6 870	1 307	4 107	1 447	1 194	4 047	1 628
Hearing loss, adult onset	12 200	6 404	5 795	0	4 955	1 450	0	4 203	1 592
Macular degeneration and other ^d	4 343	1 946	2 398	16	1 279	651	9	1 391	998

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Annex A

Annex B

Annex C

References

(Table A6c continued)

Cause ^b	Middle-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	3 045	1 531	1 513	400	989	142	372	969	172
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	572 859	313 409	259 450	67 138	192 506	53 765	61 259	143 399	54 792
Cardiovascular diseases	76 204	42 151	34 053	814	22 230	19 107	796	12 856	20 401
Rheumatic heart disease	2 050	812	1 238	57	600	154	68	813	356
Hypertensive heart disease	4 769	2 496	2 273	21	1 095	1 380	17	752	1 504
Ischaemic heart disease	28 866	17 179	11 687	36	9 501	7 641	29	3 998	7 659
Cerebrovascular disease	27 529	14 467	13 062	187	6 561	7 720	156	4 681	8 225
Inflammatory heart diseases ^d	2 806	1 759	1 047	99	1 181	479	83	482	481
Respiratory diseases	29 044	16 936	12 109	1 968	8 972	5 995	1 943	5 163	5 002
Chronic obstructive pulmonary disease	16 123	9 586	6 536	42	4 447	5 098	37	2 281	4 218
Asthma	6 897	3 800	3 097	1 291	2 294	216	1 420	1 484	193
Digestive diseases	19 259	11 836	7 423	1 251	8 553	2 032	1 181	4 518	1 724
Peptic ulcer disease	1 898	1 252	646	52	921	279	36	409	201
Cirrhosis of the liver	6 731	4 625	2 106	67	3 681	877	59	1 467	581
Appendicitis	191	116	76	19	84	13	15	48	13
Diseases of the genitourinary system	7 008	4 049	2 959	251	2 906	891	248	1 945	767
Nephritis and nephrosis	3 858	2 019	1 839	187	1 296	536	191	1 083	565
Benign prostatic hypertrophy	1 372	1 372	0	0	1 177	196	0	0	0
Skin diseases	1 809	841	967	168	573	100	147	660	160
Musculoskeletal diseases	16 288	7 054	9 234	296	5 580	1 177	391	6 972	1 871
Rheumatoid arthritis	2 655	718	1 937	56	552	111	157	1 517	262
Osteoarthritis	8 425	3 234	5 191	2	2 464	768	2	3 968	1 220
Congenital abnormalities	8 530	4 418	4 112	4 099	307	12	3 872	230	10
Oral diseases	3 946	1 930	2 016	656	935	339	614	967	435
Dental caries	2 459	1 243	1 216	649	528	66	608	527	81
Periodontal disease	121	60	61	0	55	5	0	55	6
Edentulism	1 319	607	712	0	342	265	0	368	345
III. Injuries	90 092	62 083	28 009	10 653	49 014	2 416	8 435	17 848	1 725
Unintentional	65 905	43 401	22 504	9 832	31 806	1 763	7 873	13 320	1 312
Road traffic accidents	21 382	15 328	6 053	1 847	12 950	531	1 459	4 301	293
Poisonings	3 687	2 572	1 115	169	2 276	127	183	842	91
Falls	8 640	5 396	3 244	1 312	3 716	367	1 261	1 636	347
Fires	2 196	1 121	1 074	370	702	49	384	637	53
Drownings	5 573	3 856	1 717	1 673	2 079	104	929	710	78
Other unintentional injuries	24 428	15 127	9 301	4 460	10 083	584	3 657	5 194	450
Intentional	24 187	18 682	5 504	821	17 208	653	562	4 528	413
Self-inflicted injuries	8 516	5 040	3 476	193	4 385	461	200	2 935	341
Violence	11 967	10 292	1 675	432	9 722	139	220	1 396	58
War and conflict	3 493	3 166	327	192	2 924	50	140	174	13

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

Table A6d: DALYs (thousands) by age, sex, cause in low-income countries, 2004

Cause ^b	Low-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	2 413	1 229	1 184	459	697	73	435	668	81
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	827 669	418 206	409 463	210 789	172 662	34 754	199 027	174 199	36 236
Communicable, maternal, perinatal and nutritional conditions	468 811	227 259	241 552	171 013	50 652	5 595	161 446	74 740	5 366
Infectious and parasitic diseases	241 099	126 131	114 968	80 170	43 104	2 858	74 214	38 229	2 524
Tuberculosis	22 356	13 837	8 520	1 306	11 424	1 107	1 231	6 761	528
STDs excluding HIV	7 877	2 912	4 965	1 515	1 274	123	1 471	3 424	69
Syphilis	2 535	1 366	1 169	1 058	196	111	988	144	38
Chlamydia	2 419	210	2 209	7	203	0	50	2 148	11
Gonorrhoea	2 703	1 205	1 498	433	772	0	419	1 078	0
HIV/AIDS	42 867	20 042	22 825	4 401	15 445	196	4 294	18 382	149
Diarrhoeal diseases	59 207	30 862	28 345	28 346	2 119	396	26 299	1 610	437
Childhood-cluster diseases	27 650	14 793	12 857	14 628	160	5	12 738	116	4
Pertussis	9 158	4 639	4 519	4 637	2	0	4 517	2	0
Poliomyelitis ^d	27	15	12	11	4	0	11	1	0
Diphtheria	163	80	82	78	2	0	82	1	0
Measles	13 601	7 038	6 563	7 037	1	0	6 561	2	0
Tetanus	4 701	3 021	1 680	2 866	150	4	1 567	109	4
Meningitis	8 905	4 575	4 330	3 387	1 100	87	3 596	670	64
Hepatitis B ^e	1 236	806	430	157	602	48	151	254	25
Hepatitis C ^e	476	308	168	61	228	19	61	98	9
Malaria	32 766	16 725	16 041	16 062	641	21	15 335	680	27
Tropical-cluster diseases	10 823	7 456	3 367	2 895	4 461	100	1 482	1 805	79
Trypanosomiasis	1 586	987	598	488	490	9	304	289	5
Chagas disease	3	2	2	0	1	0	0	1	0
Schistosomiasis	1 493	893	600	446	403	44	317	253	29
Leishmaniasis	1 861	1 152	709	537	599	16	389	306	13
Lymphatic filariasis	5 496	4 202	1 295	1 390	2 798	13	442	834	19
Onchocerciasis	383	220	163	33	170	18	30	121	12
Leprosy	160	96	64	28	62	6	25	36	3
Dengue	397	199	198	191	7	1	191	7	1
Japanese encephalitis	481	234	247	200	33	1	213	33	1
Trachoma	897	231	666	2	164	66	3	438	224
Intestinal nematode infections	2 694	1 378	1 316	1 205	164	9	1 147	160	10
Ascariasis	1 424	725	700	724	1	0	699	1	0
Trichuriasis	661	344	317	344	0	0	317	0	0
Hookworm disease	578	291	287	121	161	8	120	158	9
Respiratory infections	78 807	40 891	37 915	33 249	5 137	2 506	31 231	4 231	2 453
Lower respiratory infections	76 932	39 911	37 021	32 453	5 002	2 456	30 498	4 113	2 410
Upper respiratory infections	1 091	573	517	415	110	49	381	94	42
Otitis media	784	407	377	381	25	1	352	24	1
Maternal conditions	29 022	0	29 022	0	0	0	429	28 593	0
Maternal haemorrhage	3 838	0	3 838	0	0	0	0	3 838	0
Maternal sepsis	4 493	0	4 493	0	0	0	7	4 486	0
Hypertensive disorders of pregnancy	1 504	0	1 504	0	0	0	57	1 447	0
Obstructed labour	2 339	0	2 339	0	0	0	0	2 339	0
Abortion	5 875	0	5 875	0	0	0	343	5 532	0
Perinatal conditions^f	93 331	47 500	45 831	47 500	0	0	45 831	0	0
Prematurity and low birth weight	32 099	16 265	15 834	16 265	0	0	15 834	0	0
Birth asphyxia and birth trauma	29 786	15 001	14 785	15 001	0	0	14 785	0	0
Neonatal infections and other conditions ^g	31 445	16 234	15 212	16 234	0	0	15 212	0	0

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Annex A

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References

(Table A6d continued)

Cause ^b	Low-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	2 413	1 229	1 184	459	697	73	435	668	81
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	827 669	418 206	409 463	210 789	172 662	34 754	199 027	174 199	36 236
Nutritional deficiencies	26 553	12 737	13 816	10 095	2 411	231	9 740	3 686	389
Protein-energy malnutrition	13 294	6 745	6 549	6 402	324	19	6 251	274	24
Iodine deficiency	1 967	1 017	950	1 016	1	0	949	1	0
Vitamin A deficiency	587	316	271	315	1	0	270	1	0
Iron-deficiency anaemia	9 948	4 262	5 686	2 179	1 933	151	2 080	3 327	278
II. Noncommunicable conditions	272 632	137 727	134 906	24 654	85 417	27 655	24 659	80 735	29 512
Malignant neoplasms	18 982	9 313	9 669	810	5 351	3 152	782	5 976	2 911
Mouth and oropharynx cancers	1 983	1 390	593	15	869	507	17	327	249
Oesophagus cancer	1 317	727	590	3	393	331	2	335	252
Stomach cancer	1 167	660	507	5	410	245	2	318	187
Colon and rectum cancer	833	476	357	6	326	144	2	230	125
Liver cancer	1 240	819	421	27	541	252	23	275	123
Pancreas cancer	295	152	144	2	89	61	0	86	58
Trachea, bronchus and lung cancers	1 483	1 145	338	4	584	557	6	191	141
Melanoma and other skin cancers	121	59	62	2	41	16	2	37	23
Breast cancer	1 626	0	1 626	0	0	0	2	1 164	459
Cervix uteri cancer	1 901	0	1 901	0	0	0	1	1 318	582
Corpus uteri cancer	89	0	89	0	0	0	4	47	38
Ovary cancer	498	0	498	0	0	0	18	333	148
Prostate cancer	452	452	0	1	93	359	0	0	0
Bladder cancer	300	213	88	2	74	137	1	37	49
Lymphomas and multiple myeloma	1 653	1 050	603	247	651	152	159	319	125
Leukaemia	1 495	824	671	234	533	57	242	378	50
Other neoplasms	721	367	354	82	241	44	97	208	49
Diabetes mellitus	5 991	2 902	3 090	112	1 965	824	124	1 853	1 113
Endocrine disorders	3 753	1 784	1 969	770	821	193	609	1 027	333
Neuropsychiatric disorders	72 824	34 821	38 003	7 240	26 131	1 450	7 697	28 210	2 095
Unipolar depressive disorders	26 469	10 073	16 396	1 392	8 372	309	1 381	14 362	652
Bipolar affective disorder	5 836	3 003	2 834	202	2 800	1	136	2 696	1
Schizophrenia	6 782	3 395	3 386	421	2 955	19	72	3 282	32
Epilepsy	4 112	2 160	1 952	933	1 163	64	909	987	56
Alcohol use disorders	4 671	4 259	413	134	4 073	52	63	334	15
Alzheimer and other dementias	1 996	875	1 121	144	130	601	135	136	850
Parkinson disease	346	164	182	3	90	71	2	103	77
Multiple sclerosis	477	210	266	30	177	4	35	227	4
Drug use disorders	2 806	2 299	507	67	2 222	10	30	474	3
Post-traumatic stress disorder	1 292	353	939	18	335	1	13	922	4
Obsessive-compulsive disorder	2 020	863	1 157	109	748	6	287	855	15
Panic disorder	2 845	977	1 868	55	919	3	54	1 808	6
Insomnia (primary)	1 395	691	704	15	629	46	20	619	65
Migraine	2 813	820	1 993	413	406	0	1 414	579	0
Sense organ disorders	36 010	17 097	18 914	839	12 092	4 166	700	12 954	5 259
Glaucoma	1 837	822	1 014	59	577	187	6	717	291
Cataracts	8 527	3 713	4 814	62	2 727	924	24	3 436	1 354
Refractive errors	11 262	5 577	5 686	704	3 095	1 778	662	3 049	1 975
Hearing loss, adult onset	10 945	5 500	5 445	0	4 621	878	0	4 433	1 012
Macular degeneration and other ^b	3 439	1 484	1 955	14	1 071	399	8	1 320	627

Cause ^b	Low-income countries			Males			Females		
	Total ^c	Males	Females	0-14	15-59	60+	0-14	15-59	60+
Population (millions)	2 413	1 229	1 184	459	697	73	435	668	81
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	827 669	418 206	409 463	210 789	172 662	34 754	199 027	174 199	36 236
Cardiovascular diseases	57 258	30 439	26 819	1 666	17 242	11 530	1 737	12 946	12 136
Rheumatic heart disease	3 016	1 445	1 572	284	990	171	374	985	213
Hypertensive heart disease	2 445	1 172	1 272	32	666	475	38	607	626
Ischaemic heart disease	25 958	15 082	10 876	175	8 700	6 207	114	5 214	5 548
Cerebrovascular disease	14 281	7 251	7 030	226	3 614	3 411	232	2 932	3 866
Inflammatory heart diseases ^d	2 678	1 447	1 231	241	961	245	238	711	282
Respiratory diseases	22 706	12 393	10 313	2 217	6 713	3 463	2 118	5 441	2 754
Chronic obstructive pulmonary disease	10 402	5 896	4 506	46	3 040	2 809	27	2 324	2 156
Asthma	7 494	4 031	3 463	1 458	2 402	170	1 419	1 884	160
Digestive diseases	18 508	10 127	8 381	1 924	7 005	1 198	1 998	5 323	1 059
Peptic ulcer disease	2 871	1 933	937	215	1 495	223	111	651	175
Cirrhosis of the liver	5 249	3 079	2 171	450	2 106	523	613	1 226	331
Appendicitis	192	122	70	28	78	16	14	38	17
Diseases of the genitourinary system	6 491	3 932	2 559	566	2 638	728	484	1 537	538
Nephritis and nephrosis	4 563	2 541	2 022	499	1 531	511	434	1 125	464
Benign prostatic hypertrophy	988	988	0	0	841	147	0	0	0
Skin diseases	1 838	998	840	337	582	79	204	507	129
Musculoskeletal diseases	9 332	4 430	4 903	369	3 551	509	414	3 724	764
Rheumatoid arthritis	1 437	460	978	62	341	57	119	749	110
Osteoarthritis	4 377	1 751	2 627	2	1 464	286	4	2 148	475
Congenital abnormalities	15 134	7 590	7 543	7 346	240	4	7 333	205	5
Oral diseases	3 085	1 535	1 550	376	843	315	360	822	368
Dental caries	1 913	975	938	368	523	83	349	499	90
Periodontal disease	160	81	80	0	77	4	1	74	4
Edentulism	948	451	496	0	226	225	0	226	270
III. Injuries	86 226	53 220	33 006	15 122	36 593	1 504	12 923	18 725	1 358
Unintentional	65 015	38 431	26 584	13 845	23 403	1 183	11 936	13 488	1 160
Road traffic accidents	16 697	11 637	5 060	3 278	8 051	308	2 593	2 292	174
Poisonings	3 064	1 841	1 223	501	1 243	97	341	697	186
Falls	7 215	4 210	3 005	1 876	2 062	272	1 647	1 100	258
Fires	8 886	3 293	5 593	1 651	1 588	54	2 108	3 363	122
Drownings	4 844	3 253	1 591	1 367	1 832	54	887	653	51
Other unintentional injuries	24 309	14 197	10 111	5 172	8 627	398	4 359	5 383	369
Intentional	21 211	14 789	6 422	1 277	13 191	321	987	5 237	198
Self-inflicted injuries	8 431	4 698	3 733	194	4 367	137	272	3 377	84
Violence	8 788	6 867	1 922	734	6 007	125	444	1 402	76
War and conflict	3 819	3 085	734	332	2 702	51	261	439	34

^a See Annex Table C1 for a list of Member States by WHO region and income category.

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

^c World totals for males and females include residual populations living outside WHO Member States.

^d For the Americas, Europe and Western Pacific regions, these figures include late effects of polio cases with onset prior to regional certification of polio eradication in 1994, 2000 and 2002, respectively.

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

^f This category includes 'Causes arising in the perinatal period' as defined in the International Classification of Diseases, and does not include all deaths occurring in the perinatal period.

^g Includes severe neonatal infections and other non-infectious causes arising in the perinatal period.

^h Includes macular degeneration and other age-related causes of vision loss not correctable by provision of glasses or contact lenses, together with deaths due to other sense organ disorders.

ⁱ Includes myocarditis, pericarditis, endocarditis and cardiomyopathy.

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Annex A

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References

