

# Statistical annex



## Background

Each year, over 100 countries send detailed information on the number of deaths from various diseases, illnesses or injuries to the World Health Organization (WHO). Data from these WHO Member States are compiled from vital registration systems using the International Classification of Diseases (ICD) codes (1, 2). National vital registration systems capture about 17 million deaths that occur annually throughout the world. Data from these registration systems, as well as from surveys, censuses and epidemiological studies, are analysed by the World Health Organization to determine patterns of causes of death for countries, regions and the world.

WHO has also used these data, along with other information, to assess the global burden of disease. First published in 1996, these estimates represent the most comprehensive examination of global mortality and morbidity ever produced (3). A new assessment of the global burden of disease for the year 2000 is in progress (4). Estimates of the global burden of injury for the year 2000 are presented here. A description of the tables included in the annex and the data used to produce the 2000 estimates of violence-related deaths is provided below.

## Types of tables

The statistical annex includes three types of tables:

- global and regional estimates of mortality;
- the ten leading causes of death and disability-adjusted life years (DALYs) for all WHO Member States combined and for each of the WHO regions;
- country-level rates of mortality.

### *Global and regional estimates of mortality*

Table A.1 provides an overview of the population counts used to estimate global and regional rates of mortality. Tables A.2–A.5 contain estimates of violence-related mortality for the year 2000. Table A.2 presents mortality estimates for all intentional injuries, by sex, age group, WHO region and income level. Estimates for homicide, suicide and war, by sex, age group, WHO region and income level, are given separately in Tables A.3–A.5.

### *Cause of death and DALY rankings*

Table A.6 presents the ten leading causes of death and DALYs for the year 2000, as well as the rankings for violence-related deaths and DALYs. These rankings are given for all WHO Member States combined and for each of the WHO regions.

### *Country-level rates of mortality*

Tables A.7–A.9, respectively, present the numbers and rates of deaths due to intentional injury, homicide and suicide, while Table A.10 provides the corresponding figures for firearm-related mortality, categorized by manner of death. In these tables, the absolute numbers and rates per 100 000 population are presented by sex and age group for countries reporting data to WHO.

## Methods

### Categories

Deaths and non-fatal injuries are categorically attributed to one underlying cause using the rules and conventions of the International Classification of Diseases (1, 2). The cause list for the Global Burden of Disease project for 2000 (GBD 2000 project) has four levels of disaggregation and includes 135 specific diseases and injuries (5). Unintentional and intentional injury categories are defined in terms of external cause codes. For instance, the codes for intentional injuries are as follows:<sup>1</sup>

- Homicide – ICD-9 E960–E969 or ICD-10 X85–Y09.
- Suicide – ICD-9 E950–E959 or ICD-10 X60–X84.
- War-related injuries – ICD-9 E990–E999 or ICD-10 Y36.
- Legal intervention – ICD-9 E970–E978 or ICD-10 Y35.
- All intentional injury – ICD-9 E950–E978, E990–E999 or ICD-10 X60–Y09, Y35, Y36.

Absolute numbers and rates per 100 000 in the population are presented by sex and WHO region for

<sup>1</sup> Based on the *International classification of diseases*, ninth revision (ICD-9) (1) and the *International statistical classification of diseases and related health problems*, tenth revision (ICD-10) (2).

six age groups: 0–4 years, 5–14 years, 15–29 years, 30–44 years, 45–59 years and 60 years or older.

### WHO regions

WHO Member States are grouped in six regions: the African Region, the Region of the Americas, the South-East Asia Region, the European Region, the Eastern Mediterranean Region and the Western Pacific Region. The countries included in each region are indicated in Table A.1.

Countries within the six WHO regions in Tables A.1–A.5 are further divided by income level based on 1996 estimates of gross national product (GNP) per capita (now referred to as gross national income) compiled by the World Bank and used in the *World health report 1999* (6). On the basis of the GNP per capita, economies are classified as low income (US\$ 785 or less), middle income (US\$ 786–9635) or high income (US\$ 9636 or more).

### Global estimates of mortality

The GBD 2000 project uses the latest population estimates for WHO Member States prepared by the United Nations Population Division (7). New life tables for the year 2000 have been constructed for all 191 WHO Member States (8, 9). The results for injuries reported here from Version 1 of the GBD 2000 project are based on an extensive analysis of mortality data for all regions of the world, together with systematic reviews of epidemiological studies and health service data (4). Complete or incomplete vital registration data together with sample registration systems cover 72% of global mortality. Survey data and indirect demographic techniques provide information on levels of child and adult mortality for the remaining 28% of estimated global mortality.

Data on causes of death have been analysed to take into account incomplete coverage of vital registration in countries and the likely differences in cause-of-death patterns that would be expected in the uncovered and often poorer subpopulations (4). For example, the patterns of causes of death in China and India were based on existing mortality registration systems. In China, the disease surveillance points system and the vital registration system

of the Ministry of Health were used. In India, mortality data from the medical certificate of cause of death were used for urban areas and the annual survey of cause of death was employed for rural areas.

For all other countries lacking vital registration data, cause-of-death models were used for an initial estimate of the maximum likelihood distribution of deaths across the broad categories of communicable and noncommunicable diseases and injuries, based on estimated total mortality rates and income. A regional model pattern of specific causes of death was then constructed based on local vital registration and verbal autopsy data and this proportionate distribution was then applied within each broad group of causes. Finally, the resulting estimates were adjusted based on other epidemiological evidence from studies on specific diseases and injuries.

Special attention has been paid to problems of misattribution or miscoding of causes of death. The category “Injury undetermined whether accidentally or purposely inflicted” (E980–E989 in the 3-digit ICD-9 codes or Y10–Y34 in ICD-10) can often include a significant share of deaths due to injury. Except where more detailed local information is available, these deaths have been proportionately allocated to the other injury causes of death.

### Global and regional rankings of DALYs

The DALY measure is used to quantify the burden of disease (3, 10). The DALY is a health-gap measure that combines information on the number of years of life lost from premature death with the loss of health from disability.

Years lived with disability (YLDs) are the disability component of DALYs. YLDs measure the equivalent healthy years of life lost as a result of disabling sequelae of diseases and injuries. They require estimation of incidence, average duration of disability and disability weights (in the range 0–1).

Many sources of information were used to estimate YLDs for diseases and injuries in the GBD 2000 project. These included national and international surveillance data and disease registries, health survey data, data on use of hospital and medical

services, and international and country-specific epidemiological studies (4).

The analysis of the burden of injury in the GBD 2000 project is based on methods developed for the 1990 project. These methods define a case of injury as one severe enough to warrant medical attention or one that leads to death. Estimation of YLDs resulting from injuries was based on analysis of databases of health facility data that recorded both type and nature of injury codes. National databases in Australia, Chile, Mauritius, Sweden and the United States of America were used to develop ratios of death to incidence. These ratios were then applied to extrapolate YLDs from injury deaths for all regions of the world. The death:incidence ratios were quite consistent for developed and developing countries. The proportion of incident cases resulting in long-term disabling sequelae was estimated for each nature of injury category from a review of long-term epidemiological studies of injury outcomes.

To produce the rankings in Table A.6, deaths and disabilities were first divided into three broad groups:

- communicable diseases, maternal causes and conditions arising in the perinatal period, and nutritional deficiencies;
- noncommunicable diseases;
- injuries.

Next, deaths and disabilities were grouped into categories. For example, injuries were divided between unintentional and intentional injuries. Following this level of disaggregation, deaths and disabilities were further divided into subcategories. Unintentional injuries, for example, were subdivided into road traffic injuries, poisonings, falls, fires, drowning and other unintentional injuries, while intentional injuries were subdivided into self-inflicted injuries, interpersonal violence and war-related injuries. The rankings were produced by ordering the subcategories.

The ten leading causes of death and DALYs are reported in Table A.6 for all WHO Member States combined and for each of the six WHO regions. In regions where violence-related deaths and DALYs rank below the ten leading causes, the actual rank

order is reported. The DALYs reported in Table A.6 use the standard rates of time discounting (3%) and standard age weights (3).

### Country-level rates of mortality

The numbers and rates of violence-related mortality reported in Tables A.7–A.10 are for the most recent year between 1990 and 2000 reported to WHO by countries with a population greater than 1 million. For countries with populations under 1 million, an average rate based on the last 3 years of data reported to WHO between 1990 and 2000 is given.

Rates were not calculated where the number of deaths in a particular category was less than 20, though the number of deaths is reported. Age-specific and age-standardized rates are reported. Age-standardized rates are calculated by applying the age-specific rates to the World Standard Population (11) and they allow comparison of rates in populations with different age structures.

The population counts used to estimate the rates of mortality for each country in Tables A.7–A.10 are available from the World Health Organization at <http://www3.who.int/whosis/whsa/ftp/download.htm>.

### References

1. *International classification of diseases*, ninth revision. Geneva, World Health Organization, 1978.
2. *International statistical classification of diseases and related health problems*, tenth revision. *Volume 1: Tabular list; Volume 2: Instruction manual; Volume 3: Index*. Geneva, World Health Organization, 1992–1994.
3. Murray CJL, Lopez AD. *The Global Burden of Disease: a comprehensive assessment of mortality and disability from diseases, injuries and risk factors in 1990 and projected to 2020*. Cambridge, MA, Harvard School of Public Health, 1996 (Global Burden of Disease and Injury Series, Vol. I).
4. Murray CJL et al. *The Global Burden of Disease 2000 project: aims, methods and data sources*. Geneva, World Health Organization, 2001 (GPE Discussion Paper, No. 36).
5. Murray CJL, Lopez AD. Progress and directions in refining the global burden of disease approach: response to Williams. *Health Economics*, 2000, 9:69–82.

6. *World health report 1999 – making a difference*. Geneva, World Health Organization, 1999.
7. *World population prospects: the 2000 revision*. New York, NY, United Nations, 2001.
8. Lopez AD et al. *Life tables for 191 countries for 2000: data, methods, results*. Geneva, World Health Organization, 2001 (GPE Discussion Paper, No. 40).
9. *World health report 2000 – health systems: improving performance*. Geneva, World Health Organization, 2000.
10. Murray CJ, Lopez AD. *Global health statistics*. Cambridge, MA, Harvard School of Public Health, 1996 (Global Burden of Disease and Injury Series, Vol. II).
11. Ahmad OA et al. *Age standardization of rates: a new WHO standard*. Geneva, World Health Organization, 2000 (GPE Discussion Paper, No. 31).



TABLE A.1

Population (in thousands) by sex and age group, for all WHO Member States, 2000<sup>a</sup>

Member States by WHO region and income level	Total <sup>b</sup>	Males						
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥ 60 years
<b>All</b>	<b>6 045 172</b>	<b>3 045 375</b>	<b>314 256</b>	<b>615 986</b>	<b>797 048</b>	<b>643 148</b>	<b>404 000</b>	<b>270 937</b>
<b>High-income</b>	<b>915 866</b>	<b>451 069</b>	<b>27 970</b>	<b>59 366</b>	<b>94 800</b>	<b>106 787</b>	<b>86 747</b>	<b>75 398</b>
<b>Low-income and middle-income</b>	<b>5 129 306</b>	<b>2 594 306</b>	<b>286 286</b>	<b>556 619</b>	<b>702 249</b>	<b>536 361</b>	<b>317 253</b>	<b>195 539</b>
<b>African Region (low-income and middle-income)<sup>c</sup></b>	<b>639 631</b>	<b>318 751</b>	<b>54 547</b>	<b>87 461</b>	<b>88 948</b>	<b>48 416</b>	<b>25 515</b>	<b>13 865</b>
Algeria	30 291	15 346	1 798	3 601	4 724	2 959	1 425	839
Angola	13 134	6 499	1 300	1 867	1 683	888	493	269
Benin	6 272	3 092	557	900	839	441	227	127
Botswana	1 541	755	113	214	234	118	50	26
Burkina Faso	11 535	5 576	1 114	1 713	1 531	658	332	227
Burundi	6 356	3 088	559	955	837	423	211	104
Cameroon	14 876	7 405	1 182	2 046	2 099	1 089	609	381
Cape Verde	427	199	31	54	62	38	5	9
Central African Republic	3 717	1 811	304	494	489	268	158	98
Chad	7 885	3 900	749	1 087	1 031	557	302	174
Comoros	706	354	59	95	104	55	27	13
Congo	3 018	1 478	282	413	391	212	113	68
Côte d'Ivoire	16 013	8 206	1 219	2 166	2 317	1 301	785	417
Democratic Republic of the Congo	50 948	25 245	5 043	7 427	6 522	3 414	1 834	1 005
Equatorial Guinea	457	225	40	60	58	35	20	12
Eritrea	3 659	1 817	311	496	488	287	156	78
Ethiopia	62 908	31 259	5 628	8 629	8 284	4 730	2 617	1 372
Gabon	1 230	609	98	150	147	95	69	49
Gambia	1 303	644	103	159	165	118	66	32
Ghana	19 306	9 613	1 421	2 555	2 836	1 526	823	452
Guinea	8 154	4 102	733	1 087	1 129	646	338	169
Guinea-Bissau	1 199	591	105	156	154	93	53	31
Kenya	30 669	15 273	2 367	4 333	4 697	2 251	1 023	602
Lesotho	2 035	1 009	148	256	281	167	99	59
Liberia	2 913	1 465	277	347	499	183	99	61
Madagascar	15 970	7 943	1 436	2 140	2 122	1 248	646	350
Malawi	11 308	5 617	1 038	1 609	1 534	783	420	233
Mali	11 351	5 624	1 081	1 552	1 531	778	394	287
Mauritania	2 665	1 321	236	354	361	203	110	56
Mauritius	1 161	579	48	103	154	145	84	45
Mozambique	18 292	9 042	1 589	2 426	2 475	1 377	753	421
Namibia	1 757	868	142	245	242	132	64	44
Niger	10 832	5 459	1 157	1 584	1 457	746	352	162
Nigeria	113 862	57 383	9 996	16 068	15 825	8 410	4 546	2 538
Rwanda	7 609	3 765	642	1 040	1 137	540	267	140
Sao Tome and Principe	138	64	10	17	20	12	2	3
Senegal	9 421	4 697	805	1 303	1 296	731	385	178
Seychelles	80	40	3	7	11	10	6	3
Sierra Leone	4 405	2 165	403	568	580	336	185	94
South Africa	43 309	21 323	2 608	4 784	6 334	4 340	2 270	986
Swaziland	925	456	70	123	130	72	39	22
Togo	4 527	2 248	386	620	628	335	178	100
Uganda	23 300	11 625	2 358	3 393	3 181	1 515	774	403
United Republic of Tanzania	35 119	17 422	3 015	4 937	4 960	2 552	1 319	639
Zambia	10 421	5 236	954	1 497	1 501	701	369	214
Zimbabwe	12 627	6 315	1 030	1 831	1 864	898	418	273
<b>Region of the Americas (high-income)</b>	<b>314 291</b>	<b>155 035</b>	<b>11 201</b>	<b>23 350</b>	<b>32 303</b>	<b>37 526</b>	<b>28 679</b>	<b>21 977</b>
Bahamas	304	150	15	30	42	35	17	11
Canada	30 757	15 229	920	2 095	3 166	3 817	2 953	2 277
United States of America	283 230	139 655	10 265	21 225	29 095	33 674	25 709	19 689



Member States by WHO region and income level	Females						
	All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥ 60 years
<b>All</b>	<b>2 999 797</b>	<b>297 863</b>	<b>582 630</b>	<b>761 707</b>	<b>621 685</b>	<b>402 225</b>	<b>333 687</b>
<b>High-income</b>	<b>464 797</b>	<b>26 478</b>	<b>56 255</b>	<b>90 803</b>	<b>103 963</b>	<b>87 204</b>	<b>100 094</b>
<b>Low-income and middle-income</b>	<b>2 535 000</b>	<b>271 385</b>	<b>526 375</b>	<b>670 904</b>	<b>517 722</b>	<b>315 021</b>	<b>233 593</b>
<b>African Region (low-income and middle-income)<sup>c</sup></b>	<b>320 880</b>	<b>53 609</b>	<b>86 331</b>	<b>88 370</b>	<b>48 701</b>	<b>27 079</b>	<b>16 790</b>
Algeria	14 945	1 721	3 435	4 515	2 891	1 392	992
Angola	6 635	1 292	1 867	1 700	919	534	324
Benin	3 180	551	899	849	503	242	137
Botswana	787	111	211	232	121	68	44
Burkina Faso	5 959	1 096	1 694	1 642	779	417	331
Burundi	3 268	555	955	857	459	272	170
Cameroon	7 471	1 163	2 021	2 088	1 097	652	451
Cape Verde	228	30	53	65	48	14	18
Central African Republic	1 907	304	497	511	286	181	128
Chad	3 985	743	1 085	1 043	574	328	212
Comoros	352	57	92	103	55	29	16
Congo	1 540	281	420	405	223	126	86
Côte d'Ivoire	7 807	1 202	2 157	2 279	1 141	648	380
Democratic Republic of the Congo	25 703	4 984	7 392	6 532	3 479	2 012	1 304
Equatorial Guinea	231	40	60	58	36	22	15
Eritrea	1 842	306	494	490	293	165	94
Ethiopia	31 649	5 568	8 589	8 287	4 815	2 787	1 602
Gabon	621	97	149	148	96	73	58
Gambia	658	103	159	169	123	69	36
Ghana	9 692	1 397	2 527	2 827	1 545	871	525
Guinea	4 052	715	1 057	1 101	637	348	194
Guinea-Bissau	608	105	156	156	96	57	37
Kenya	15 396	2 330	4 301	4 697	2 284	1 103	681
Lesotho	1 026	145	250	276	170	109	75
Liberia	1 448	274	346	491	168	97	72
Madagascar	8 028	1 430	2 137	2 122	1 258	675	406
Malawi	5 692	1 016	1 576	1 513	811	485	291
Mali	5 727	1 061	1 540	1 527	788	445	365
Mauritania	1 344	234	352	360	210	117	70
Mauritius	583	47	100	149	140	88	59
Mozambique	9 251	1 589	2 434	2 482	1 407	825	515
Namibia	889	140	242	238	136	77	56
Niger	5 373	1 128	1 532	1 410	737	372	193
Nigeria	56 479	9 688	15 549	15 357	8 304	4 700	2 881
Rwanda	3 844	642	1 047	1 150	537	289	179
Sao Tome and Principe	73	10	17	21	15	4	6
Senegal	4 723	787	1 281	1 292	741	405	218
Seychelles	40	3	7	10	10	6	4
Sierra Leone	2 239	403	575	591	350	203	116
South Africa	21 986	2 569	4 773	6 369	4 356	2 443	1 476
Swaziland	469	69	123	132	75	42	27
Togo	2 279	381	617	629	340	192	120
Uganda	11 676	2 333	3 382	3 171	1 480	827	482
United Republic of Tanzania	17 697	2 960	4 889	5 020	2 637	1 425	767
Zambia	5 185	933	1 465	1 466	669	393	259
Zimbabwe	6 313	1 021	1 826	1 841	858	446	320
<b>Region of the Americas (high-income)</b>	<b>159 256</b>	<b>10 666</b>	<b>22 263</b>	<b>31 189</b>	<b>36 916</b>	<b>29 301</b>	<b>28 922</b>
Bahamas	154	15	29	41	36	20	14
Canada	15 527	874	1 993	3 040	3 773	2 987	2 860
United States of America	143 575	9 777	20 240	28 108	33 108	26 294	26 048

TABLE A.1 (continued)

Member States by WHO region and income level	Total <sup>b</sup>	Males						
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥ 60 years
<b>Region of the Americas (low-income and middle-income)</b>	<b>513 081</b>	<b>254 252</b>	<b>27 942</b>	<b>54 610</b>	<b>72 444</b>	<b>51 530</b>	<b>29 507</b>	<b>18 219</b>
Antigua and Barbuda	65	32	3	7	9	7	4	3
Argentina	37 032	18 163	1 779	3 436	4 785	3 454	2 612	2 098
Barbados	267	130	9	19	33	35	19	14
Belize	226	115	15	29	34	20	10	7
Bolivia	8 329	4 144	617	1 063	1 155	683	393	233
Brazil	170 406	84 169	8 145	16 804	24 344	18 495	10 440	5 941
Chile	15 211	7 531	734	1 469	1 865	1 737	1 057	669
Colombia	42 105	20 786	2 429	4 608	5 758	4 375	2 318	1 297
Costa Rica	4 024	2 040	226	441	557	438	236	142
Cuba	11 199	5 611	368	850	1 310	1 432	918	733
Dominica	71	35	3	7	9	7	4	3
Dominican Republic	8 373	4 254	479	950	1 215	876	466	268
Ecuador	12 646	6 350	747	1 429	1 857	1 239	668	410
El Salvador	6 278	3 082	407	731	954	495	293	201
Grenada	94	46	5	9	13	10	6	4
Guatemala	11 385	5 741	942	1 593	1 637	828	448	292
Guyana	761	369	41	76	118	74	36	23
Haiti	8 142	3 989	578	1 099	1 179	601	326	206
Honduras	6 417	3 230	491	874	935	524	252	153
Jamaica	2 576	1 270	134	278	370	242	132	113
Mexico	98 872	48 926	5 705	11 012	14 605	9 374	5 094	3 136
Nicaragua	5 071	2 523	408	691	741	389	189	105
Panama	2 856	1 441	154	303	393	302	176	113
Paraguay	5 496	2 772	394	711	761	509	267	129
Peru	25 662	12 726	1 475	2 877	3 743	2 399	1 368	865
Saint Kitts and Nevis	38	19	2	4	5	4	2	2
Saint Lucia	148	72	9	16	22	14	7	5
Saint Vincent and the Grenadines	113	56	6	11	15	12	7	5
Suriname	417	207	20	44	65	45	17	15
Trinidad and Tobago	1 294	644	45	119	188	143	91	57
Uruguay	3 337	1 619	145	278	396	318	244	239
Venezuela	24 170	12 161	1 429	2 771	3 371	2 449	1 404	737
<b>South-East Asia Region (low-income and middle-income)<sup>c</sup></b>	<b>1 535 634</b>	<b>786 265</b>	<b>90 144</b>	<b>172 450</b>	<b>218 856</b>	<b>160 218</b>	<b>90 548</b>	<b>54 049</b>
Bangladesh	137 439	70 858	9 562	17 773	20 431	13 252	6 434	3 405
Bhutan	2 085	1 054	167	287	281	157	98	64
Democratic People's Republic of Korea	22 268	11 179	987	2 030	2 789	2 728	1 644	1 001
India	1 008 937	520 312	60 014	114 668	142 803	105 142	60 892	36 792
Indonesia	212 092	106 379	11 094	22 082	31 038	22 647	12 123	7 394
Maldives	291	149	24	41	41	23	12	8
Myanmar	47 749	23 729	2 740	5 246	6 885	4 655	2 696	1 507
Nepal	23 043	11 811	1 833	3 052	3 184	1 923	1 150	669
Sri Lanka	18 924	9 718	794	1 734	2 629	2 214	1 449	898
Thailand	62 806	31 078	2 928	5 536	8 776	7 476	4 049	2 312
<b>European Region (high-income)</b>	<b>394 607</b>	<b>193 120</b>	<b>10 797</b>	<b>23 462</b>	<b>39 208</b>	<b>46 232</b>	<b>37 098</b>	<b>36 323</b>
Andorra	86	45	2	5	10	13	8	7
Austria	8 080	3 942	209	481	768	1 046	759	680
Belgium	10 249	5 020	282	624	978	1 198	971	966
Denmark	5 320	2 633	169	330	499	607	564	464
Finland	5 172	2 523	148	329	492	569	566	420
France	59 238	28 856	1 862	3 817	6 081	6 431	5 526	5 138
Germany	82 017	40 148	1 965	4 583	7 254	10 564	7 897	7 885
Greece	10 610	5 230	259	565	1 161	1 158	965	1 122

Member States by WHO region and income level	Females						
	All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥ 60 years
<b>Region of the Americas (low-income and middle-income)</b>	<b>258 829</b>	<b>26 872</b>	<b>52 717</b>	<b>71 810</b>	<b>53 591</b>	<b>31 566</b>	<b>22 273</b>
Antigua and Barbuda	33	3	6	8	7	4	3
Argentina	18 868	1 720	3 330	4 691	3 509	2 780	2 839
Barbados	138	8	19	33	35	21	22
Belize	112	14	28	34	20	9	7
Bolivia	4 185	593	1 026	1 149	711	426	280
Brazil	86 238	7 860	16 268	24 223	19 206	11 301	7 380
Chile	7 680	707	1 418	1 821	1 742	1 110	882
Colombia	21 319	2 331	4 438	5 727	4 669	2 555	1 599
Costa Rica	1 983	216	420	528	426	235	158
Cuba	5 588	350	809	1 258	1 423	953	796
Dominica	36	3	7	9	8	5	4
Dominican Republic	4 119	461	915	1 150	841	468	284
Ecuador	6 296	719	1 383	1 812	1 231	684	466
El Salvador	3 196	390	707	949	573	327	250
Grenada	47	4	9	12	10	6	5
Guatemala	5 645	903	1 527	1 593	852	460	310
Guyana	392	40	75	119	86	43	30
Haiti	4 153	557	1 072	1 187	683	402	253
Honduras	3 187	472	844	910	526	261	173
Jamaica	1 307	129	270	367	268	139	134
Mexico	49 946	5 463	10 590	14 694	10 008	5 483	3 707
Nicaragua	2 548	393	669	742	414	203	127
Panama	1 415	147	290	384	302	174	118
Paraguay	2 725	379	688	740	495	259	164
Peru	12 935	1 421	2 794	3 727	2 560	1 442	992
Saint Kitts and Nevis	19	2	4	5	4	3	2
Saint Lucia	75	8	15	22	15	8	7
Saint Vincent and the Grenadines	57	5	11	15	12	8	6
Suriname	210	20	43	63	46	20	19
Trinidad and Tobago	651	43	116	185	147	93	67
Uruguay	1 718	139	266	383	331	265	334
Venezuela	12 009	1 368	2 659	3 271	2 433	1 421	857
<b>South-East Asia Region (low- income and middle-income)<sup>f</sup></b>	<b>749 369</b>	<b>85 306</b>	<b>162 342</b>	<b>204 600</b>	<b>149 046</b>	<b>88 487</b>	<b>59 589</b>
Bangladesh	66 582	9 090	16 765	19 111	12 132	6 093	3 391
Bhutan	1 032	160	276	271	153	99	71
Democratic People's Republic of Korea	11 090	945	1 940	2 675	2 629	1 665	1 236
India	488 626	56 384	106 854	131 070	95 662	58 596	40 060
Indonesia	105 713	10 688	21 367	30 239	22 054	12 615	8 750
Maldives	142	23	39	39	22	11	7
Myanmar	24 020	2 667	5 154	6 866	4 752	2 848	1 734
Nepal	11 232	1 730	2 839	2 968	1 878	1 125	692
Sri Lanka	9 206	767	1 681	2 546	2 113	1 238	861
Thailand	31 728	2 851	5 426	8 815	7 650	4 197	2 788
<b>European Region (high-income)</b>	<b>201 490</b>	<b>10 224</b>	<b>22 287</b>	<b>37 512</b>	<b>45 016</b>	<b>37 338</b>	<b>49 109</b>
Andorra	41	2	4	9	12	7	7
Austria	4 138	198	456	739	992	758	996
Belgium	5 229	269	596	944	1 159	959	1 302
Denmark	2 687	159	314	481	581	553	600
Finland	2 649	141	315	472	549	560	612
France	30 382	1 771	3 648	5 875	6 483	5 584	7 021
Germany	41 869	1 861	4 330	6 838	9 876	7 778	11 184
Greece	5 380	242	532	1 104	1 158	982	1 361

TABLE A.1 (continued)

Member States by WHO region and income level	Total <sup>b</sup>	Males						≥ 60 years
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	
<b>European Region (high-income) (continued)</b>								
Iceland	279	140	11	23	32	31	24	19
Ireland	3803	1890	136	286	502	384	324	258
Israel	6 040	2 980	316	560	773	561	429	341
Italy	57 530	27 902	1 350	2 870	5 665	6 676	5 434	5 908
Luxembourg	437	215	14	28	42	53	42	36
Monaco	33	16	1	2	3	4	3	3
Netherlands	15 864	7 862	480	1 005	1 520	1 992	1 616	1 249
Norway	4 469	2 213	149	305	437	509	437	376
Portugal	10 016	4 819	288	569	1 159	1 065	860	879
San Marino	27	13	1	1	3	3	3	3
Spain	39 910	19 511	939	2 088	4 657	4 634	3 454	3 738
Sweden	8 842	4 375	226	599	817	941	921	870
Switzerland	7 170	3 546	187	424	619	896	764	655
United Kingdom	59 415	29 242	1 804	3 972	5 733	6 896	5 529	5 307
<b>European Region (low-income and middle-income)</b>	<b>478 968</b>	<b>230 651</b>	<b>15 396</b>	<b>38 477</b>	<b>59 421</b>	<b>51 974</b>	<b>36 583</b>	<b>28 800</b>
Albania	3 134	1 603	159	326	418	365	203	131
Armenia	3 787	1 834	106	356	496	433	231	212
Azerbaijan	8 041	3 959	314	886	1 083	935	392	350
Belarus	10 187	4 746	241	732	1 153	1 150	793	677
Bosnia and Herzegovina	3 977	1 968	106	283	462	521	342	254
Bulgaria	7 949	3 864	162	479	890	813	773	747
Croatia	4 654	2 253	138	292	486	527	434	377
Czech Republic	10 272	4 995	231	633	1 229	1 045	1 096	761
Estonia	1 393	649	31	95	155	150	118	99
Georgia	5 262	2 512	153	399	611	575	379	395
Hungary	9 968	4 756	251	613	1 149	1 001	983	758
Kazakhstan	16 172	7 844	648	1 570	2 131	1 807	1 011	676
Kyrgyzstan	4 921	2 413	265	579	676	486	230	177
Latvia	2 421	1 116	48	168	261	265	203	171
Lithuania	3 696	1 743	95	272	412	423	289	252
Malta	390	193	12	28	44	40	40	28
Poland	38 605	18 761	1 024	2 767	4 772	4 143	3 498	2 557
Republic of Moldova	4 295	2 054	133	375	539	453	325	229
Romania	22 438	10 977	584	1 511	2 760	2 376	1 930	1 816
Russian Federation	145 491	68 130	3 254	10 103	16 713	16 737	11 983	9 339
Slovakia	5 399	2 625	148	391	686	590	479	331
Slovenia	1 988	966	46	116	222	230	201	151
Tajikistan	6 087	3 032	393	822	852	551	232	182
The former Yugoslav Republic of Macedonia	2 034	1 017	75	162	249	226	172	133
Turkey	66 668	33 676	3 614	6 581	10 002	6 843	4 024	2 612
Turkmenistan	4 737	2 345	305	598	653	463	197	128
Ukraine	49 568	23 019	1 122	3 397	5 549	5 281	4 011	3 659
Uzbekistan	24 881	12 357	1 407	3 182	3 538	2 436	1 045	749
Yugoslavia	10 552	5 248	332	762	1 226	1 109	970	848
<b>Eastern Mediterranean Region (high-income)</b>	<b>5 870</b>	<b>3 594</b>	<b>230</b>	<b>597</b>	<b>783</b>	<b>1 000</b>	<b>763</b>	<b>221</b>
Cyprus	784	391	28	66	89	85	69	55
Kuwait	1 914	1 115	73	231	287	261	205	57
Qatar	565	366	27	50	62	141	74	13
United Arab Emirates	2 606	1 722	102	250	345	513	414	97
<b>Eastern Mediterranean Region (low-income and middle-income)</b>	<b>475 785</b>	<b>242 847</b>	<b>34 697</b>	<b>62 275</b>	<b>67 412</b>	<b>41 988</b>	<b>23 809</b>	<b>12 666</b>
Afghanistan	21 765	11 227	1 954	2 923	3 018	1 814	1 008	510

Member States by WHO region and income level	Females						
	All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥ 60 years
<b>European Region (high-income) (continued)</b>							
Iceland	139	10	21	31	31	23	23
Ireland	1 913	128	270	481	393	321	321
Israel	3 060	298	533	737	581	458	453
Italy	29 628	1 271	2 726	5 460	6 631	5 603	7 937
Luxembourg	222	13	26	41	52	40	49
Monaco	17	1	2	3	4	3	4
Netherlands	8 002	457	960	1 464	1 904	1 567	1 649
Norway	2 256	141	289	420	487	422	498
Portugal	5 197	272	542	1 132	1 098	943	1 210
San Marino	14	1	1	3	3	3	4
Spain	20 400	877	1 970	4 462	4 584	3 555	4 952
Sweden	4 467	214	569	781	898	896	1 109
Switzerland	3 624	178	405	589	837	743	871
United Kingdom	30 173	1 719	3 778	5 447	6 704	5 578	6 947
<b>European Region (low-income and middle-income)</b>	<b>248 317</b>	<b>14 736</b>	<b>36 869</b>	<b>57 486</b>	<b>52 418</b>	<b>40 312</b>	<b>46 495</b>
Albania	1 531	150	305	391	346	189	150
Armenia	1 953	101	336	479	477	274	286
Azerbaijan	4 082	296	836	1 024	996	437	493
Belarus	5 441	227	704	1 147	1 205	911	1 248
Bosnia and Herzegovina	2 009	99	266	437	511	357	339
Bulgaria	4 086	155	457	852	815	831	976
Croatia	2 401	131	279	469	518	442	562
Czech Republic	5 276	220	602	1 178	1 015	1 136	1 125
Estonia	745	30	91	151	151	140	182
Georgia	2 750	146	379	587	611	437	591
Hungary	5 212	239	586	1 099	995	1 084	1 209
Kazakhstan	8 329	625	1 520	2 094	1 818	1 141	1 131
Kyrgyzstan	2 508	259	567	670	497	249	266
Latvia	1 305	46	160	254	269	242	334
Lithuania	1 953	91	261	400	427	341	434
Malta	197	12	26	41	39	40	38
Poland	19 844	970	2 634	4 594	4 080	3 724	3 843
Republic of Moldova	2 242	126	360	533	485	379	358
Romania	11 461	553	1 447	2 659	2 351	2 044	2 406
Russian Federation	77 361	3 108	9 657	16 269	16 974	13 768	17 584
Slovakia	2 773	141	374	662	580	515	501
Slovenia	1 022	44	110	212	228	198	230
Tajikistan	3 055	381	801	836	573	232	233
The former Yugoslav Republic of Macedonia	1 017	70	153	238	220	176	160
Turkey	32 992	3 494	6 332	9 528	6 659	3 960	3 019
Turkmenistan	2 393	296	583	646	477	212	179
Ukraine	26 549	1 068	3 254	5 399	5 527	4 775	6 526
Uzbekistan	12 524	1 354	3 079	3 487	2 506	1 089	1 009
Yugoslavia	5 305	308	710	1 148	1 068	988	1 083
<b>Eastern Mediterranean Region (high-income)</b>	<b>2 276</b>	<b>219</b>	<b>563</b>	<b>627</b>	<b>440</b>	<b>289</b>	<b>137</b>
Cyprus	393	26	62	85	83	70	68
Kuwait	800	71	224	262	126	88	28
Qatar	199	26	48	46	51	23	5
United Arab Emirates	884	96	229	234	180	108	37
<b>Eastern Mediterranean Region (low-income and middle-income)</b>	<b>232 939</b>	<b>33 023</b>	<b>59 158</b>	<b>64 526</b>	<b>39 940</b>	<b>22 641</b>	<b>13 650</b>
Afghanistan	10 538	1 852	2 736	2 796	1 679	955	519

TABLE A.1 (continued)

Member States by WHO region and income level	Total <sup>b</sup>	Males						≥ 60 years
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	
<b>Eastern Mediterranean Region</b>								
<b>(low-income and middle-income) (continued)</b>								
Bahrain	640	368	29	63	75	120	64	16
Djibouti	632	297	52	86	80	38	28	14
Egypt	67 884	34 364	4 096	8 182	9 788	6 652	3 721	1 925
Iraq	22 946	11 666	1 817	3 063	3 329	1 939	1 018	501
Islamic Republic of Iran	70 330	35 998	3 882	9 640	10 578	6 420	3 702	1 776
Jordan	4 913	2 554	390	618	780	459	194	113
Lebanon	3 496	1 711	171	384	498	357	163	137
Libyan Arab Jamahiriya	5 290	2 741	329	589	877	473	316	157
Morocco	29 878	14 964	1 832	3 441	4 457	2 948	1 429	856
Oman	2 538	1 347	206	363	334	223	166	55
Pakistan	141 256	72 622	11 427	18 985	19 041	11 856	7 234	4 080
Saudi Arabia	20 346	10 872	1 630	2 835	2 682	1 731	1 471	523
Somalia	8 778	4 358	897	1 216	1 154	619	314	158
Sudan	31 095	15 639	2 412	3 943	4 390	2 645	1 456	792
Syrian Arab Republic	16 189	8 200	1 146	2 228	2 488	1 400	575	363
Tunisia	9 459	4 776	430	1 013	1 441	986	511	396
Yemen	18 349	9 142	1 996	2 703	2 402	1 308	439	294
<b>Western Pacific Region</b> <b>(high-income)</b>	<b>201 099</b>	<b>99 320</b>	<b>5 743</b>	<b>11 957</b>	<b>22 505</b>	<b>22 029</b>	<b>20 208</b>	<b>16 878</b>
Australia	19 138	9 529	648	1 368	2 127	2 176	1 788	1 421
Brunei Darussalam	328	173	18	36	41	44	25	9
Japan	127 096	62 212	3 159	6 424	13 293	12 493	14 004	12 839
New Zealand	3 778	1 861	142	302	393	424	335	265
Republic of Korea	46 740	23 522	1 631	3 517	6 239	6 309	3 679	2 147
Singapore	4 018	2 023	145	310	412	583	376	197
<b>Western Pacific Region</b> <b>(low-income and middle-income)</b>	<b>1 486 206</b>	<b>761 540</b>	<b>63 560</b>	<b>141 345</b>	<b>195 168</b>	<b>182 236</b>	<b>111 291</b>	<b>67 940</b>
Cambodia	13 104	6 389	1 070	1 846	1 700	1 050	518	205
China	1 282 437	659 410	51 092	116 265	165 941	162 699	101 353	62 059
Cook Islands	20	10	1	2	3	2	1	1
Federated States of Micronesia	123	64	9	15	16	12	7	4
Fiji	814	414	50	90	118	85	49	22
Kiribati	83	43	6	10	11	8	5	3
Lao People's Democratic Republic	5 279	2 636	426	722	719	420	210	139
Malaysia	22 218	11 255	1 350	2 541	3 029	2 286	1 357	692
Marshall Islands	51	26	4	6	7	5	3	2
Mongolia	2 533	1 268	139	315	387	259	105	63
Nauru	12	6	1	2	2	1	1	<1
Niue	2	1	<1	<1	<1	<1	<1	<1
Palau	19	10	1	2	2	2	1	1
Papua New Guinea	4 809	2 507	366	635	746	436	223	101
Philippines	75 653	38 092	5 031	9 474	10 973	6 925	3 785	1 903
Samoa	159	83	11	23	27	12	6	5
Solomon Islands	447	230	41	63	66	33	18	10
Tonga	99	52	6	12	15	10	6	3
Tuvalu	10	5	1	1	2	1	1	<1
Vanuatu	197	101	16	27	27	17	9	5
Viet Nam	78 137	38 938	3 939	9 293	11 379	7 973	3 633	2 722

Source: United Nations, 2001.

<sup>a</sup> Numbers are rounded to the nearest 1000. Any apparent discrepancies in total sums are a result of rounding.<sup>b</sup> Combined total for males and females.<sup>c</sup> No high-income countries in the region.

Member States by WHO region and income level	Females						
	All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥ 60 years
<b>Eastern Mediterranean Region</b>							
<b>(low-income and middle-income) (continued)</b>							
Bahrain	272	28	60	68	72	30	14
Djibouti	335	51	85	83	53	43	21
Egypt	33 521	3 915	7 811	9 197	6 367	3 871	2 359
Iraq	11 280	1 739	2 935	3 178	1 875	1 001	553
Islamic Republic of Iran	34 332	3 672	9 107	10 154	6 007	3 496	1 895
Jordan	2 359	372	588	713	392	184	110
Lebanon	1 786	164	370	489	404	197	162
Libyan Arab Jamahiriya	2 549	314	563	848	444	248	133
Morocco	14 914	1 764	3 318	4 307	2 966	1 511	1 049
Oman	1 191	198	352	325	170	94	52
Pakistan	68 634	10 783	17 826	18 240	11 178	6 542	4 065
Saudi Arabia	9 474	1 556	2 713	2 590	1 330	831	453
Somalia	4 420	890	1 206	1 164	639	336	184
Sudan	15 457	2 316	3 803	4 284	2 641	1 507	905
Syrian Arab Republic	7 988	1 093	2 144	2 417	1 340	593	401
Tunisia	4 682	403	964	1 387	1 005	522	402
Yemen	9 207	1 914	2 575	2 285	1 378	680	375
<b>Western Pacific Region</b>	<b>101 778</b>	<b>5 368</b>	<b>11 142</b>	<b>21 475</b>	<b>21 591</b>	<b>20 276</b>	<b>21 926</b>
<b>(high-income)</b>							
Australia	9 608	615	1 296	2 052	2 179	1 762	1 705
Brunei Darussalam	156	17	34	38	39	19	8
Japan	64 884	2 993	6 118	12 730	12 229	14 135	16 679
New Zealand	1 917	135	288	383	452	337	323
Republic of Korea	23 218	1 474	3 118	5 883	6 107	3 653	2 984
Singapore	1 995	135	289	388	585	370	227
<b>Western Pacific Region</b>	<b>724 667</b>	<b>57 838</b>	<b>128 958</b>	<b>184 113</b>	<b>174 027</b>	<b>104 936</b>	<b>74 795</b>
<b>(low-income and middle-income)</b>							
Cambodia	6 715	1 037	1 797	1 681	1 170	665	366
China	623 027	45 892	104 807	155 577	154 205	94 679	67 867
Cook Islands	9	1	2	3	2	1	1
Federated States of Micronesia	59	8	15	15	11	6	4
Fiji	400	47	85	112	82	50	25
Kiribati	40	6	10	10	7	4	3
Lao People's Democratic Republic	2 643	410	698	705	441	231	157
Malaysia	10 964	1 280	2 405	2 925	2 269	1 314	771
Marshall Islands	25	4	6	6	4	3	2
Mongolia	1 265	133	305	380	262	108	78
Nauru	6	1	1	1	1	1	<1
Niue	1	<1	<1	<1	<1	<1	<1
Palau	9	1	2	2	2	1	1
Papua New Guinea	2 303	344	583	637	422	217	98
Philippines	37 561	4 800	9 090	10 641	6 901	3 837	2 293
Samoa	75	11	21	22	9	6	6
Solomon Islands	217	38	59	61	34	17	9
Tonga	47	6	11	13	9	5	4
Tuvalu	5	1	1	1	1	1	<1
Vanuatu	96	14	25	26	17	8	5
Viet Nam	39 199	3 804	9 034	11 295	8 179	3 782	3 106

TABLE A.2

Estimated mortality caused by intentional injury,<sup>a</sup> by sex, age group, WHO region and income level, 2000

Absolute numbers (in thousands) <sup>b</sup>										
WHO region	Income level	Total <sup>c</sup>	Males							
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years	
All	all	1659	1153	41	54	351	320	205	182	
	high	149	111	1	1	24	31	27	27	
	low and middle	1510	1042	40	54	326	288	178	156	
African Region <sup>d</sup>	low and middle	311	225	17	23	72	57	31	25	
	Region of the Americas	all	228	196	2	3	87	60	28	17
		high	56	44	<1	1	13	14	9	7
South-East Asia Region <sup>d</sup>	low and middle	171	152	1	2	74	46	19	10	
	European Region	low and middle	317	216	5	15	69	59	38	29
		all	303	239	2	5	53	78	58	44
Eastern Mediterranean Region	high	55	41	<1	<1	7	11	10	12	
	low and middle	248	198	2	5	46	67	48	31	
	all	95	62	14	5	20	11	7	5	
Western Pacific Region	high	1	<1	<1	<1	<1	<1	<1	<1	
	low and middle	95	61	14	5	20	11	7	5	
	all	405	216	1	4	50	55	44	62	
	high	37	26	<1	<1	4	6	8	7	
	low and middle	368	190	1	4	45	48	36	55	

## Rate per 100 000 population

WHO region	Income level	Total <sup>c, e</sup>	Males							
			All ages <sup>e</sup>	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years	
All	all	28.8	40.5	13.0	8.8	44.0	49.7	50.7	67.4	
	high	14.4	22.1	2.2	1.5	25.7	29.4	31.3	35.8	
	low and middle	32.1	44.8	14.1	9.6	46.5	53.8	56.0	79.6	
African Region <sup>d</sup>	low and middle	60.9	94.6	31.2	25.9	80.9	118.0	119.7	182.5	
	Region of the Americas	all	27.7	48.6	3.8	3.4	83.2	67.2	48.0	43.1
		high	17.2	27.6	4.0	2.4	41.8	36.3	30.7	33.7
South-East Asia Region <sup>d</sup>	low and middle	34.3	62.1	3.8	3.8	101.7	89.7	64.9	54.5	
	European Region	low and middle	22.8	31.3	6.0	8.9	31.7	36.6	41.8	54.1
		all	32.0	52.5	6.5	7.9	53.7	79.6	78.1	67.0
Eastern Mediterranean Region	high	11.5	17.8	0.9	0.7	16.6	24.7	26.7	34.3	
	low and middle	49.6	83.7	10.4	12.4	78.1	128.4	130.2	108.3	
	all	21.6	27.4	39.9	7.3	29.1	26.6	27.2	40.8	
Western Pacific Region	high	10.3	13.9	3.9	3.3	19.0	17.6	12.3	20.2	
	low and middle	21.8	27.7	40.2	7.3	29.2	26.9	27.7	41.2	
	all	24.3	26.5	1.9	2.8	22.7	26.7	33.6	72.9	
	high	15.4	22.3	1.1	1.2	18.7	27.9	41.3	41.8	
	low and middle	26.2	27.7	2.0	3.0	23.2	26.6	32.2	80.6	

## Proportion of all deaths due to injury (%)

WHO region	Income level	Total <sup>c</sup>	Males							
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years	
All	all	32.8	33.8	15.0	20.0	39.8	38.7	34.7	31.9	
	high	31.6	35.7	12.8	14.9	37.2	42.7	41.9	26.1	
	low and middle	32.9	33.6	15.1	20.1	40.0	38.3	33.8	33.2	
African Region <sup>d</sup>	low and middle	41.3	43.9	23.7	29.7	56.3	53.4	43.8	43.0	
	Region of the Americas	all	40.6	44.9	8.7	17.6	57.7	50.2	41.2	26.0
		high	33.1	37.9	19.6	19.6	46.2	42.8	39.9	25.7
South-East Asia Region <sup>d</sup>	low and middle	43.9	47.5	7.1	17.1	60.4	52.9	41.8	26.3	
	European Region	low and middle	23.1	24.3	7.9	18.7	28.1	28.4	26.1	21.1
		all	37.1	39.3	16.0	29.7	41.7	43.2	39.2	34.6
	high	29.4	33.7	8.1	10.0	28.9	44.0	42.8	27.1	
	low and middle	39.4	40.7	17.0	31.9	44.5	43.1	38.5	38.9	



Absolute numbers (in thousands) <sup>b</sup>								
WHO region	Income level	Females						
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	506	23	37	153	119	77	97
	high	38	<1	1	6	10	9	12
	low and middle	468	23	37	147	109	68	85
African Region <sup>d</sup>	low and middle	86	12	13	32	15	9	6
	all	31	1	1	11	9	5	4
	high	12	<1	<1	3	4	3	2
Region of the Americas	low and middle	19	1	1	8	5	2	2
	all	101	4	13	37	23	13	12
	high	64	1	1	11	17	14	21
South-East Asia Region <sup>d</sup>	low and middle	15	<1	<1	2	3	4	6
	all	50	1	1	9	13	11	15
	high	34	4	5	12	5	3	4
Eastern Mediterranean Region	low and middle	<1	<1	<1	<1	<1	<1	<1
	all	34	4	5	12	5	3	4
	high	<1	<1	<1	<1	<1	<1	<1
Western Pacific Region	low and middle	34	4	5	12	5	3	4
	all	189	1	3	50	50	33	52
	high	11	<1	<1	2	2	3	5
	low and middle	178	1	3	48	47	31	47

Rate per 100 000 population								
WHO region	Income level	Females						
		All ages <sup>e</sup>	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	17.3	7.7	6.4	20.1	19.1	19.1	29.2
	high	6.9	1.8	0.9	6.7	9.2	10.3	12.2
	low and middle	19.7	8.3	7.0	21.9	21.1	21.5	36.5
African Region <sup>d</sup>	low and middle	29.6	21.9	14.6	36.1	31.5	32.2	36.4
	all	7.5	2.7	1.8	10.5	10.1	8.4	7.2
	high	7.1	3.2	1.4	8.2	10.8	9.3	6.6
Region of the Americas	low and middle	7.6	2.6	2.0	11.5	9.6	7.5	7.9
	all	14.3	4.3	8.3	18.2	15.2	14.2	19.7
	high	12.5	3.3	2.1	11.3	17.2	18.4	21.6
South-East Asia Region <sup>d</sup>	low and middle	5.7	0.7	0.5	4.4	7.5	9.7	11.7
	all	18.3	5.2	3.1	15.7	25.5	26.5	31.9
	high	15.5	13.1	8.7	19.1	12.9	11.6	27.2
Eastern Mediterranean Region	low and middle	4.4	2.1	0.7	5.7	6.0	4.0	6.1
	all	15.7	13.2	8.8	19.2	13.0	11.7	27.4
	high	22.5	2.2	2.4	24.5	25.3	26.6	53.3
Western Pacific Region	low and middle	8.8	1.3	0.9	8.4	9.9	12.8	21.0
	all	25.0	2.3	2.5	26.3	27.2	29.2	62.8
	high							

Proportion of all deaths due to injury (%)								
WHO region	Income level	Females						
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	30.7	10.3	18.1	42.9	42.3	37.3	26.0
	high	24.4	14.8	17.1	35.2	45.3	43.1	13.7
	low and middle	31.4	10.2	18.1	43.3	42.0	36.6	29.9
African Region <sup>d</sup>	low and middle	35.8	19.0	27.2	60.8	44.3	36.8	27.4
	all	25.3	9.2	18.1	42.1	41.0	32.3	9.0
	high	22.6	22.4	19.6	32.6	39.1	35.0	8.1
Region of the Americas	low and middle	27.3	7.1	17.7	46.3	42.6	29.6	10.3
	all	20.9	7.9	14.6	29.1	26.5	23.8	14.5
	high	30.8	11.7	18.7	39.1	47.6	38.2	21.6
South-East Asia Region <sup>d</sup>	low and middle	21.8	8.9	12.9	31.0	50.8	48.1	12.5
	all	35.1	12.1	19.5	41.0	46.8	35.7	30.1
	high							

TABLE A.2 (continued)

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
Eastern Mediterranean Region	all	28.2	28.9	41.0	17.9	33.1	28.4	23.2	21.0
	high	19.9	19.5	15.8	17.2	21.4	23.0	15.1	16.6
	low and middle	28.3	29.0	41.1	17.9	33.3	28.5	23.4	21.1
Western Pacific Region	all	33.1	28.5	1.9	7.6	29.3	31.6	33.5	39.3
	high	33.0	33.5	5.0	10.5	32.4	41.5	43.8	25.1
	low and middle	33.2	27.9	1.8	7.5	29.1	30.7	31.8	42.3

**Proportion of all deaths (%)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	3.0	3.9	0.7	7.4	18.6	10.6	4.7	1.3
	high	1.9	2.7	1.4	7.3	26.4	15.7	5.2	0.8
	low and middle	3.2	4.1	0.7	7.4	18.2	10.2	4.6	1.4
African Region <sup>d</sup>	low and middle	2.9	4.1	0.8	10.5	13.8	6.4	5.0	2.7
	all	3.9	6.2	0.6	7.4	40.3	20.3	6.0	0.9
Region of the Americas	high	2.1	3.3	2.2	11.0	35.3	16.7	4.7	0.7
	low and middle	5.4	8.4	0.4	6.8	41.3	21.7	6.8	1.1
	all	2.2	2.8	0.3	5.9	12.7	7.4	3.1	0.9
South-East Asia Region <sup>d</sup>	low and middle	2.2	2.8	0.3	5.9	12.7	7.4	3.1	0.9
	all	3.1	4.8	1.2	16.2	29.5	19.7	7.0	1.3
European Region	high	1.4	2.1	0.7	4.0	18.8	14.6	4.6	0.8
	low and middle	4.3	6.6	1.3	18.1	32.0	20.9	7.9	1.7
Eastern Mediterranean Region	all	2.4	2.9	1.8	5.9	15.3	6.9	2.6	0.7
	high	2.4	3.0	1.3	9.7	16.2	9.7	2.1	0.5
	low and middle	2.4	2.9	1.8	5.9	15.3	6.9	2.6	0.7
Western Pacific Region	all	3.6	3.4	0.2	3.8	17.3	11.4	4.5	1.6
	high	2.6	3.3	0.8	5.2	22.8	16.4	7.2	1.2
	low and middle	3.7	3.4	0.2	3.7	16.9	11.0	4.2	1.6

Source: WHO Global Burden of Disease project for 2000, Version 1.

<sup>a</sup> Intentional injury = ICD-10 X60–Y09, Y35, Y36 (ICD-9 E950–E978, E990–E999).<sup>b</sup> Absolute numbers are rounded to the nearest 1000. Any apparent discrepancies in total sums are a result of rounding.<sup>c</sup> Combined total for males and females.<sup>d</sup> No high-income countries in the region.<sup>e</sup> Age-standardized.

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Eastern Mediterranean Region	all	27.1	12.2	25.3	44.7	34.5	27.5	24.7
	high	22.3	13.4	9.3	34.2	26.1	18.0	13.8
	low and middle	27.1	12.2	25.3	44.7	34.6	27.5	24.8
Western Pacific Region	all	40.8	2.3	10.1	52.3	56.3	50.4	43.0
	high	32.2	7.4	17.0	46.2	52.1	48.1	22.7
	low and middle	41.5	2.2	10.0	52.6	56.5	50.6	47.1

**Proportion of all deaths (%)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
All	all	1.9	0.4	5.2	8.8	5.8	2.9	0.7
	high	1.0	1.5	4.8	18.1	10.0	3.3	0.3
	low and middle	2.1	0.4	5.2	8.6	5.6	2.8	0.8
African Region <sup>d</sup>	low and middle	1.7	0.6	5.7	4.1	1.9	2.0	0.6
	all	1.1	0.5	5.1	13.7	6.3	1.8	0.2
Region of the Americas	high	0.9	2.2	9.1	17.9	9.3	2.4	0.2
	low and middle	1.4	0.4	4.5	12.7	5.0	1.3	0.2
	all	1.6	0.2	4.8	7.5	4.2	1.5	0.4
South-East Asia Region <sup>d</sup>	low and middle	1.6	0.2	4.8	7.5	4.2	1.5	0.4
	all	1.4	0.7	6.9	17.4	11.6	4.0	0.5
European Region	high	0.7	0.6	4.1	14.2	9.3	3.4	0.3
	low and middle	1.8	0.8	7.4	18.2	12.4	4.2	0.7
	all	1.8	0.6	6.7	9.7	4.0	1.4	0.6
Eastern Mediterranean Region	high	1.1	0.8	2.8	14.2	5.3	1.1	0.2
	low and middle	1.8	0.6	6.7	9.7	4.0	1.4	0.6
	all	3.7	0.3	3.8	24.7	16.5	5.9	1.5
Western Pacific Region	high	1.8	1.1	6.6	25.0	13.3	5.4	0.8
	low and middle	4.0	0.3	3.7	24.7	16.7	5.9	1.7



<b>Absolute numbers (in thousands)<sup>b</sup></b>								
<b>WHO region</b>	<b>Income level</b>	<b>Females</b>						
		<b>All ages</b>	<b>0–4 years</b>	<b>5–14 years</b>	<b>15–29 years</b>	<b>30–44 years</b>	<b>45–59 years</b>	<b>≥60 years</b>
All	all	119	14	12	33	27	18	15
	high	7	<1	<1	2	2	1	1
	low and middle	112	14	11	32	25	17	14
African Region <sup>d</sup>	low and middle	34	7	2	12	7	4	2
	all	17	1	1	7	5	2	1
	high	5	<1	<1	1	2	1	<1
Region of the Americas	low and middle	12	1	1	5	4	1	1
	all	24	3	4	3	4	5	4
	high	1	<1	<1	<1	<1	<1	<1
South-East Asia Region <sup>d</sup>	low and middle	18	<1	<1	4	5	4	5
	all	11	2	2	4	2	1	1
	high	<1	<1	<1	<1	<1	<1	<1
European Region	low and middle	11	2	2	3	2	1	1
	all	14	1	1	4	4	2	2
	high	1	<1	<1	<1	<1	<1	<1
Eastern Mediterranean Region	low and middle	13	1	1	4	4	2	1

<b>Rate per 100 000 population</b>								
<b>WHO region</b>	<b>Income level</b>	<b>Females</b>						
		<b>All ages<sup>e</sup></b>	<b>0–4 years</b>	<b>5–14 years</b>	<b>15–29 years</b>	<b>30–44 years</b>	<b>45–59 years</b>	<b>≥60 years</b>
All	all	4.0	4.8	2.0	4.4	4.3	4.5	4.5
	high	1.5	1.8	0.5	2.0	2.1	1.2	1.0
	low and middle	4.6	5.1	2.1	4.7	4.7	5.4	6.1
African Region <sup>d</sup>	low and middle	11.8	12.7	2.9	14.1	13.8	14.6	11.8
	all	4.0	2.6	1.2	6.4	5.7	3.3	2.6
	high	3.0	3.2	1.0	4.4	4.2	2.2	1.7
Region of the Americas	low and middle	4.8	2.3	1.3	7.3	6.6	4.3	3.8
	all	3.9	1.2	0.7	4.0	5.7	5.6	5.3
	high	0.6	0.7	0.2	0.7	0.8	0.7	0.7
South-East Asia Region <sup>d</sup>	low and middle	6.8	1.6	1.0	6.1	9.9	10.1	10.3
	all	4.8	5.5	3.6	5.4	4.3	3.8	5.9
	high	1.2	0.4	0.0	1.5	1.3	1.4	2.6
European Region	low and middle	4.8	5.5	3.6	5.4	4.4	3.8	5.9
	all	1.7	2.2	1.0	1.9	2.0	1.4	1.6
	high	0.8	1.3	0.4	0.8	1.1	0.8	0.8
Eastern Mediterranean Region	low and middle	1.8	2.3	1.0	2.0	2.1	1.6	1.9

<b>Proportion of all deaths due to injury (%)</b>								
<b>WHO region</b>	<b>Income level</b>	<b>Females</b>						
		<b>All ages</b>	<b>0–4 years</b>	<b>5–14 years</b>	<b>15–29 years</b>	<b>30–44 years</b>	<b>45–59 years</b>	<b>≥60 years</b>
All	all	7.2	6.4	5.6	9.4	9.5	8.8	4.1
	high	4.4	14.7	10.2	10.4	10.4	5.2	1.1
	low and middle	7.5	6.3	5.5	9.3	9.5	9.2	5.0
African Region <sup>d</sup>	low and middle	14.3	11.0	5.4	23.7	19.4	16.7	8.9
	all	13.7	8.7	11.8	25.6	23.0	12.7	3.3
	high	8.8	22.4	13.5	17.2	15.3	8.3	2.1
Region of the Americas	low and middle	17.4	6.5	11.4	29.3	29.6	17.0	5.0
	all	4.9	6.4	4.6	2.6	4.3	9.5	5.4
	high	9.3	4.4	6.2	13.8	15.9	11.6	5.3
South-East Asia Region <sup>d</sup>	low and middle	2.0	8.9	6.0	4.6	5.7	3.5	0.7
	all	12.8	3.8	6.2	16.0	18.2	13.7	9.7
	high	2.0	8.9	6.0	4.6	5.7	3.5	0.7
European Region	low and middle	12.8	3.8	6.2	16.0	18.2	13.7	9.7

TABLE A.3 (continued)

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
Eastern Mediterranean Region	all	9.0	9.2	5.2	4.9	12.9	11.8	8.4	7.0
	high	8.3	8.7	5.6	3.0	11.4	11.8	5.0	4.7
	low and middle	9.1	9.2	5.2	4.9	12.9	11.8	8.5	7.0
Western Pacific Region	all	4.8	5.9	1.9	3.9	10.1	8.7	4.9	1.8
	high	2.0	1.8	5.0	4.5	2.5	2.9	1.7	0.7
	low and middle	5.1	6.4	1.8	3.9	10.8	9.3	5.5	2.1

**Proportion of all deaths (%)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	0.9	1.4	0.3	1.8	8.2	4.0	1.4	0.3
	high	0.3	0.5	1.4	3.4	8.7	2.9	0.6	0.0
	low and middle	1.0	1.5	0.3	1.8	8.2	4.0	1.5	0.3
African Region <sup>d</sup>	low and middle	1.1	1.5	0.4	1.6	5.8	2.2	1.7	0.9
	all	2.7	4.5	0.5	5.3	33.2	14.8	3.6	0.4
	high	0.7	1.1	2.2	5.5	18.1	5.3	1.0	0.1
Region of the Americas	low and middle	4.4	7.0	0.4	5.2	36.4	18.5	5.3	0.7
	all	2.7	4.5	0.5	5.3	33.2	14.8	3.6	0.4
	high	0.7	1.1	2.2	5.5	18.1	5.3	1.0	0.1
South-East Asia Region <sup>d</sup>	low and middle	0.5	0.7	0.2	1.4	2.4	1.8	0.9	0.3
	all	0.8	1.2	0.3	1.7	8.3	5.8	1.6	0.2
	high	0.1	0.1	0.7	1.6	2.0	1.2	0.3	0.0
European Region	low and middle	1.3	1.8	0.3	1.7	9.8	6.9	2.1	0.3
	all	0.8	0.9	0.2	1.6	5.9	2.9	0.9	0.2
	high	1.0	1.4	0.5	1.7	8.6	5.0	0.7	0.2
Eastern Mediterranean Region	low and middle	0.8	0.9	0.2	1.6	5.9	2.9	0.9	0.2
	all	0.8	0.9	0.2	1.6	5.9	2.9	0.9	0.2
	high	1.0	1.4	0.5	1.7	8.6	5.0	0.7	0.2
Western Pacific Region	low and middle	0.5	0.7	0.2	1.9	6.0	3.1	0.7	0.1
	all	0.5	0.7	0.2	1.9	6.0	3.1	0.7	0.1
	high	0.2	0.2	0.8	2.2	1.8	1.2	0.3	0.0
Western Pacific Region	low and middle	0.6	0.8	0.2	1.9	6.3	3.3	0.7	0.1
	all	0.6	0.8	0.2	1.9	6.3	3.3	0.7	0.1

Source: WHO Global Burden of Disease project for 2000, Version 1.

<sup>a</sup> Homicide = ICD-10 X85–Y09 (ICD-9 E960–E969).<sup>b</sup> Absolute numbers are rounded to the nearest 1000. Any apparent discrepancies in total sums are a result of rounding.<sup>c</sup> Combined total for males and females.<sup>d</sup> No high-income countries in the region.<sup>e</sup> Age-standardized.

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Eastern Mediterranean Region	all	8.8	5.1	10.5	12.6	11.6	9.0	5.4
	high	5.9	2.9	0.2	9.3	5.5	6.3	6.0
	low and middle	8.8	5.1	10.5	12.6	11.7	9.0	5.4
Western Pacific Region	all	3.0	2.3	4.1	4.0	4.4	2.7	1.3
	high	2.4	7.4	7.6	4.6	5.6	3.0	0.8
	low and middle	3.0	2.2	4.0	4.0	4.4	2.7	1.4

**Proportion of all deaths (%)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
All	all	0.5	0.3	1.6	1.9	1.3	0.7	0.1
	high	0.2	1.4	4.0	5.4	2.3	0.4	0.0
	low and middle	0.5	0.3	1.6	1.8	1.3	0.7	0.1
African Region <sup>d</sup>	low and middle	0.7	0.3	1.1	1.6	0.8	0.9	0.2
	low and middle	0.6	0.5	3.3	8.3	3.5	0.7	0.1
Region of the Americas	all	0.6	0.5	3.3	8.3	3.5	0.7	0.1
	high	0.3	2.2	6.3	9.5	3.7	0.6	0.0
	low and middle	0.9	0.3	2.9	8.0	3.5	0.8	0.1
South-East Asia Region <sup>d</sup>	low and middle	0.4	0.2	1.5	0.7	0.7	0.6	0.2
European Region	all	0.4	0.3	2.3	6.1	3.9	1.2	0.1
	high	0.1	0.6	1.9	2.1	1.1	0.2	0.0
	low and middle	0.7	0.2	2.4	7.1	4.8	1.6	0.2
Eastern Mediterranean Region	all	0.6	0.2	2.8	2.7	1.3	0.5	0.1
	high	0.3	0.2	0.1	3.9	1.1	0.4	0.1
	low and middle	0.6	0.2	2.8	2.7	1.4	0.5	0.1
Western Pacific Region	all	0.3	0.3	1.5	1.9	1.3	0.3	0.0
	high	0.1	1.1	2.9	2.5	1.4	0.3	0.0
	low and middle	0.3	0.3	1.5	1.9	1.3	0.3	0.1

TABLE A.4

Estimated mortality caused by suicide,<sup>a</sup> by sex, age group, WHO region and income level, 2000

Absolute numbers (in thousands) <sup>b</sup>									
WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	815	509	0	10	124	138	115	122
	high	122	91	0	<1	16	25	24	25
	low and middle	692	418	0	10	108	113	91	96
African Region <sup>d</sup>	low and middle	27	21	0	1	6	5	5	4
	all	65	52	0	1	14	15	11	10
Region of the Americas	high	36	29	0	<1	6	9	7	6
	low and middle	29	22	0	<1	8	6	4	4
	all	168	107	0	5	37	30	21	14
South-East Asia Region <sup>d</sup>	low and middle	168	107	0	5	37	30	21	14
	all	186	149	0	1	30	46	39	33
	high	51	38	0	<1	6	10	9	12
European Region	low and middle	135	111	0	1	24	35	29	21
	all	24	12	0	1	5	3	2	1
	high	<1	<1	0	<1	<1	<1	<1	<1
Eastern Mediterranean Region	low and middle	23	12	0	1	5	3	2	1
	all	344	169	0	2	32	39	38	59
	high	35	24	0	<1	4	6	8	7
Western Pacific Region	low and middle	309	144	0	2	28	33	30	52

## Rate per 100 000 population

WHO region	Income level	Total <sup>c, e</sup>	Males						
			All ages <sup>e</sup>	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	14.5	18.9	0.0	1.7	15.6	21.5	28.4	44.9
	high	11.4	17.7	0.0	0.8	17.0	23.6	27.9	33.8
	low and middle	15.5	19.5	0.0	1.8	15.4	21.1	28.6	49.2
African Region <sup>d</sup>	low and middle	6.7	10.6	0.0	1.4	6.4	11.2	18.1	26.6
	all	8.1	13.2	0.0	0.7	13.7	17.1	18.7	26.0
Region of the Americas	high	10.6	17.4	0.0	1.2	19.9	24.1	23.8	29.9
	low and middle	6.3	10.2	0.0	0.5	11.0	12.1	13.9	21.2
	all	19.1	32.2	0.0	1.8	30.2	46.7	52.3	51.3
South-East Asia Region <sup>d</sup>	low and middle	12.0	15.7	0.0	3.1	16.9	18.5	23.3	26.1
	all	19.1	32.2	0.0	1.8	30.2	46.7	52.3	51.3
	high	10.5	16.4	0.0	0.4	14.8	22.6	25.1	33.2
European Region	low and middle	26.6	46.8	0.0	2.6	40.3	68.2	79.9	74.1
	all	5.9	6.3	0.0	0.8	7.6	7.6	8.5	10.8
	high	3.4	4.1	0.0	0.4	5.2	5.6	4.1	7.3
Eastern Mediterranean Region	low and middle	5.9	6.4	0.0	0.8	7.6	7.7	8.6	10.8
	all	20.8	21.2	0.0	1.1	14.7	19.0	28.7	69.2
	high	14.3	20.9	0.0	0.7	17.1	25.8	39.7	40.7
Western Pacific Region	low and middle	22.3	21.8	0.0	1.2	14.4	18.2	26.7	76.2

## Proportion of all deaths due to injury (%)

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	16.1	14.9	0.0	3.8	14.1	16.7	19.5	21.3
	high	25.9	28.8	0.0	7.7	24.7	34.4	37.2	24.7
	low and middle	15.1	13.5	0.0	3.7	13.2	15.0	17.3	20.5
African Region <sup>d</sup>	low and middle	3.6	4.0	0.0	1.6	4.5	5.1	6.6	6.3
	all	11.7	11.8	0.0	3.5	9.5	12.8	16.1	15.7
Region of the Americas	high	21.5	24.9	0.0	9.6	22.1	28.5	30.9	22.8
	low and middle	7.4	7.0	0.0	2.1	6.5	7.1	8.9	10.2
	all	12.3	12.1	0.0	6.6	15.0	14.3	14.6	10.2
South-East Asia Region <sup>d</sup>	low and middle	12.3	12.1	0.0	6.6	15.0	14.3	14.6	10.2
	all	22.8	24.5	0.0	6.6	23.5	25.4	26.2	26.5
	high	27.2	31.3	0.0	6.1	25.8	40.1	40.2	26.2
European Region	low and middle	21.5	22.8	0.0	6.7	23.0	22.9	23.6	26.6



Absolute numbers (in thousands) <sup>b</sup>								
WHO region	Income level	Females						
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	305	0	12	93	77	50	74
	high	31	0	<1	4	7	8	11
	low and middle	274	0	11	88	70	43	63
African Region <sup>d</sup>	low and middle	7	0	1	2	2	1	1
	all	14	0	<1	4	4	3	2
Region of the Americas	high	7	0	<1	1	3	2	1
	low and middle	7	0	<1	3	1	1	1
	low and middle	61	0	8	30	15	5	4
South-East Asia Region <sup>d</sup>	low and middle	37	0	<1	5	8	9	15
	high	13	0	<1	1	3	3	5
	low and middle	24	0	<1	4	5	5	10
European Region	all	11	0	1	6	2	1	1
	high	<1	0	<1	<1	<1	<1	<1
	low and middle	11	0	1	6	2	1	1
Eastern Mediterranean Region	all	175	0	2	46	46	31	50
	high	10	0	<1	2	2	2	4
	low and middle	164	0	1	45	44	29	46

Rate per 100 000 population								
WHO region	Income level	Females						
		All ages <sup>e</sup>	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	10.6	0.0	2.0	12.2	12.4	12.6	22.1
	high	5.4	0.0	0.4	4.7	7.1	9.0	11.3
	low and middle	11.9	0.0	2.1	13.2	13.4	13.5	26.8
African Region <sup>d</sup>	low and middle	3.1	0.0	0.7	1.7	4.8	4.1	7.5
	all	3.3	0.0	0.6	4.0	4.3	5.0	4.4
Region of the Americas	high	4.1	0.0	0.4	3.9	6.6	7.1	4.9
	low and middle	2.7	0.0	0.6	4.1	2.8	3.1	3.9
	low and middle	8.3	0.0	4.7	14.5	9.9	5.7	7.2
South-East Asia Region <sup>d</sup>	low and middle	6.8	0.0	0.4	5.8	8.1	11.4	15.7
	all	5.0	0.0	0.2	3.8	6.6	9.0	11.0
	low and middle	8.4	0.0	0.5	7.0	9.4	13.6	20.6
European Region	all	5.4	0.0	2.0	8.6	6.2	4.4	7.0
	high	2.1	0.0	0.1	3.2	3.5	1.7	2.0
	low and middle	5.4	0.0	2.0	8.6	6.2	4.4	7.0
Eastern Mediterranean Region	all	20.7	0.0	1.1	22.6	23.3	25.1	51.7
	high	8.0	0.0	0.5	7.6	8.9	12.0	20.2
	low and middle	23.2	0.0	1.1	24.3	25.0	27.7	60.9

Proportion of all deaths due to injury (%)								
WHO region	Income level	Females						
		All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	18.5	0.0	5.6	26.0	27.4	24.6	19.7
	high	20.0	0.0	6.6	24.7	34.9	37.9	12.6
	low and middle	18.4	0.0	5.6	26.0	26.8	23.1	22.0
African Region <sup>d</sup>	low and middle	2.8	0.0	1.2	2.9	6.7	4.6	5.6
	all	11.2	0.0	5.6	16.1	17.6	19.3	5.6
Region of the Americas	high	13.8	0.0	5.9	15.3	23.8	26.7	6.0
	low and middle	9.3	0.0	5.5	16.5	12.4	12.2	5.0
	low and middle	12.6	0.0	8.2	23.2	17.2	9.5	5.3
South-East Asia Region <sup>d</sup>	all	17.9	0.0	3.7	19.9	22.5	23.6	15.8
	high	19.7	0.0	6.2	26.4	45.0	44.4	11.8
	low and middle	17.1	0.0	3.4	18.4	17.2	18.3	19.4

TABLE A.4 (continued)

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
Eastern Mediterranean Region	all	7.0	5.8	0.0	2.0	8.6	8.1	7.2	5.6
	high	6.5	5.8	0.0	2.3	5.9	7.3	5.0	6.0
	low and middle	7.0	5.8	0.0	2.0	8.6	8.1	7.3	5.5
Western Pacific Region	all	28.1	22.3	0.0	3.0	18.9	22.5	28.6	37.2
	high	31.0	31.6	0.0	6.0	29.7	38.3	42.0	24.4
	low and middle	27.8	21.2	0.0	2.9	18.1	21.0	26.3	40.0

**Proportion of all deaths (%)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	1.5	1.7	0.0	1.4	6.6	4.6	2.6	0.9
	high	1.5	2.2	0.0	3.8	17.5	12.7	4.6	0.8
	low and middle	1.5	1.6	0.0	1.4	6.0	4.0	2.4	0.9
African Region <sup>d</sup>	low and middle	0.3	0.4	0.0	0.6	1.1	0.6	0.8	0.4
	all	1.1	1.6	0.0	1.5	6.6	5.2	2.3	0.6
Region of the Americas	high	1.3	2.2	0.0	5.4	16.8	11.1	3.7	0.7
	low and middle	0.9	1.2	0.0	0.8	4.5	2.9	1.5	0.4
	all	1.2	1.4	0.0	2.1	6.8	3.7	1.7	0.4
South-East Asia Region <sup>d</sup>	low and middle	1.2	1.4	0.0	2.1	6.8	3.7	1.7	0.4
	all	1.9	3.0	0.0	3.6	16.6	11.6	4.7	1.0
European Region	high	1.3	1.9	0.0	2.4	16.8	13.3	4.3	0.8
	low and middle	2.3	3.7	0.0	3.8	16.5	11.1	4.9	1.2
	all	0.6	0.6	0.0	0.7	4.0	2.0	0.8	0.2
Eastern Mediterranean Region	high	0.8	0.9	0.0	1.3	4.5	3.1	0.7	0.2
	low and middle	0.6	0.6	0.0	0.7	4.0	2.0	0.8	0.2
	all	3.0	2.7	0.0	1.5	11.1	8.1	3.9	1.5
Western Pacific Region	high	2.4	3.1	0.0	3.0	20.9	15.2	7.0	1.1
	low and middle	3.1	2.6	0.0	1.5	10.5	7.5	3.4	1.5

Source: WHO Global Burden of Disease project for 2000, Version 1.

<sup>a</sup> Suicide = ICD-10 X60–X84 (ICD-9 E950–E959).<sup>b</sup> Absolute numbers are rounded to the nearest 1000. Any apparent discrepancies in total sums are a result of rounding.<sup>c</sup> Combined total for males and females.<sup>d</sup> No high-income countries in the region.<sup>e</sup> Age-standardized.

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Eastern Mediterranean Region	all	9.0	0.0	5.8	20.0	16.5	10.4	6.3
	high	10.8	0.0	0.9	19.3	15.1	7.7	4.5
	low and middle	9.0	0.0	5.8	20.0	16.5	10.4	6.3
Western Pacific Region	all	37.7	0.0	4.6	48.3	51.7	47.7	41.7
	high	29.7	0.0	9.4	41.7	46.5	45.1	21.9
	low and middle	38.3	0.0	4.5	48.5	52.0	47.9	45.7

**Proportion of all deaths (%)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
All	all	1.2	0.0	1.6	5.3	3.7	1.9	0.5
	high	0.8	0.0	2.6	12.7	7.7	2.9	0.3
	low and middle	1.2	0.0	1.6	5.1	3.5	1.8	0.6
African Region <sup>d</sup>	low and middle	0.1	0.0	0.3	0.2	0.3	0.3	0.1
	all	0.5	0.0	1.6	5.2	2.7	1.0	0.1
Region of the Americas	high	0.5	0.0	2.8	8.4	5.7	1.9	0.1
	low and middle	0.5	0.0	1.4	4.5	1.5	0.5	0.1
	all	0.9	0.0	2.7	6.0	2.7	0.6	0.2
South-East Asia Region <sup>d</sup>	low and middle	0.9	0.0	2.7	6.0	2.7	0.6	0.2
	all	0.8	0.0	1.4	8.9	5.5	2.4	0.4
European Region	high	0.7	0.0	2.0	12.1	8.3	3.1	0.3
	low and middle	0.9	0.0	1.3	8.1	4.6	2.2	0.4
	all	0.6	0.0	1.5	4.4	1.9	0.5	0.2
Eastern Mediterranean Region	high	0.5	0.0	0.3	8.0	3.1	0.5	0.0
	low and middle	0.6	0.0	1.6	4.3	1.9	0.5	0.2
	all	3.5	0.0	1.7	22.7	15.1	5.5	1.5
Western Pacific Region	high	1.6	0.0	3.7	22.5	11.9	5.0	0.8
	low and middle	3.7	0.0	1.7	22.8	15.3	5.6	1.6



<b>Absolute numbers (in thousands)<sup>b</sup></b>								
<b>WHO region</b>	<b>Income level</b>	<b>Females</b>						
		<b>All ages</b>	<b>0–4 years</b>	<b>5–14 years</b>	<b>15–29 years</b>	<b>30–44 years</b>	<b>45–59 years</b>	<b>≥60 years</b>
All	all	77	8	14	26	14	8	8
	high	<1	<1	<1	<1	<1	<1	<1
	low and middle	77	8	14	26	14	8	8
African Region <sup>d</sup>	low and middle	45	5	10	18	6	4	3
	all	<1	<1	<1	<1	<1	<1	<1
	high	0	0	0	0	0	0	0
South-East Asia Region <sup>d</sup>	low and middle	<1	<1	<1	<1	<1	<1	<1
	low and middle	14	<1	1	4	4	2	3
	all	6	<1	1	1	3	1	<1
European Region	high	<1	0	<1	0	<1	0	<1
	low and middle	6	<1	1	1	3	1	<1
	all	10	2	2	3	1	1	2
Eastern Mediterranean Region	high	<1	<1	<1	<1	<1	<1	<1
	low and middle	10	2	2	3	1	1	2
	all	1	0	<1	0	<1	0	0
Western Pacific Region	high	0	0	0	0	0	0	0
	low and middle	1	0	<1	0	<1	0	0
	all	1	0	<1	0	<1	0	0

<b>Rate per 100 000 population</b>								
<b>WHO region</b>	<b>Income level</b>	<b>Females</b>						
		<b>All ages<sup>e</sup></b>	<b>0–4 years</b>	<b>5–14 years</b>	<b>15–29 years</b>	<b>30–44 years</b>	<b>45–59 years</b>	<b>≥60 years</b>
All	all	2.6	2.6	2.3	3.4	2.2	1.9	2.4
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	low and middle	3.0	2.9	2.6	3.9	2.7	2.4	3.4
African Region <sup>d</sup>	low and middle	14.7	9.2	11.0	20.3	12.9	13.5	17.1
	all	0.1	0.2	0.1	0.1	0.1	0.1	0.1
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South-East Asia Region <sup>d</sup>	low and middle	0.1	0.2	0.1	0.1	0.1	0.1	0.2
	low and middle	2.2	0.6	0.9	1.8	2.5	2.6	4.8
	all	1.5	0.7	1.0	1.5	3.0	1.2	0.4
European Region	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	low and middle	2.6	1.3	1.5	2.4	5.6	2.4	0.8
	all	4.9	6.6	2.8	4.8	2.0	3.0	13.7
Eastern Mediterranean Region	high	1.0	1.6	0.6	0.9	1.3	0.9	1.5
	low and middle	4.9	6.7	2.8	4.8	2.1	3.0	13.8
	all	0.1	0.0	0.3	0.0	0.1	0.0	0.0
Western Pacific Region	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	low and middle	0.1	0.0	0.4	0.0	0.1	0.0	0.0
	all	0.1	0.0	0.4	0.0	0.1	0.0	0.0

<b>Proportion of all deaths due to injury (%)</b>								
<b>WHO region</b>	<b>Income level</b>	<b>Females</b>						
		<b>All ages</b>	<b>0–4 years</b>	<b>5–14 years</b>	<b>15–29 years</b>	<b>30–44 years</b>	<b>45–59 years</b>	<b>≥60 years</b>
All	all	4.7	3.5	6.6	7.3	5.0	3.7	2.1
	high	0.0	0.1	0.3	0.0	0.0	0.0	0.0
	low and middle	5.2	3.6	6.7	7.7	5.4	4.1	2.8
African Region <sup>d</sup>	low and middle	18.8	8.0	20.6	34.2	18.1	15.5	12.9
	all	0.3	0.5	0.7	0.4	0.3	0.2	0.1
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South-East Asia Region <sup>d</sup>	low and middle	0.5	0.6	0.9	0.5	0.6	0.5	0.3
	low and middle	3.0	1.1	1.5	2.9	4.3	4.4	3.5
	all	3.1	2.6	8.5	5.1	8.3	2.6	0.4
European Region	high	0.0	0.0	0.6	0.0	0.0	0.0	0.0
	low and middle	4.5	2.9	9.5	6.4	10.2	3.2	0.8
	all	4.5	2.9	9.5	6.4	10.2	3.2	0.8

TABLE A.5 (continued)

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
Eastern Mediterranean Region	all	11.5	13.4	35.6	10.1	11.2	8.0	7.0	7.9
	high	5.0	4.9	10.2	11.9	4.1	3.8	5.1	5.9
	low and middle	11.6	13.5	35.6	10.1	11.3	8.0	7.0	8.0
Western Pacific Region	all	0.2	0.2	0.0	0.7	0.2	0.2	0.0	0.2
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	low and middle	0.2	0.2	0.0	0.7	0.2	0.3	0.0	0.2

**Proportion of all deaths (%)**

WHO region	Income level	Total <sup>c</sup>	Males						
			All ages	0–4 years	5–14 years	15–29 years	30–44 years	45–59 years	≥60 years
All	all	0.6	0.8	0.4	4.1	3.7	1.9	0.7	0.2
	high	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
	low and middle	0.7	0.9	0.4	4.2	3.8	2.1	0.7	0.2
African Region <sup>d</sup>	low and middle	1.6	2.3	0.3	8.3	6.9	3.7	2.6	1.4
	all	0.0	0.1	0.0	0.6	0.2	0.2	0.0	0.0
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Region of the Americas	low and middle	0.1	0.1	0.1	0.7	0.3	0.2	0.1	0.0
	all	0.4	0.6	0.1	2.2	3.2	1.6	0.4	0.2
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South-East Asia Region <sup>d</sup>	low and middle	0.4	0.6	0.8	10.8	4.4	2.2	0.6	0.1
	all	0.4	0.6	0.8	10.8	4.4	2.2	0.6	0.1
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
European Region	low and middle	0.6	1.0	0.9	12.4	5.4	2.7	0.9	0.2
	all	1.0	1.3	1.5	3.4	5.2	1.9	0.8	0.3
	high	0.6	0.8	0.8	6.7	3.1	1.6	0.7	0.2
Eastern Mediterranean Region	low and middle	1.0	1.3	1.5	3.4	5.2	1.9	0.8	0.3
	all	1.0	1.3	1.5	3.4	5.2	1.9	0.8	0.3
	high	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0
Western Pacific Region	all	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	low and middle	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0

Source: WHO Global Burden of Disease project for 2000, Version 1.

<sup>a</sup> War-related injuries = ICD-10 Y36 (ICD-9 E990–E999).<sup>b</sup> Absolute numbers are rounded to the nearest 1000. Any apparent discrepancies in total sums are a result of rounding.<sup>c</sup> Combined total for males and females.<sup>d</sup> No high-income countries in the region.<sup>e</sup> Age-standardized.

**Proportion of all deaths due to injury (%) (continued)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Eastern Mediterranean Region	all	8.4	6.2	8.0	11.3	5.5	7.1	12.5
	high	5.6	10.6	8.2	5.6	5.4	4.0	3.4
	low and middle	8.4	6.2	8.0	11.3	5.5	7.1	12.5
Western Pacific Region	all	0.1	0.0	1.4	0.0	0.1	0.0	0.0
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	low and middle	0.1	0.0	1.4	0.0	0.2	0.0	0.0

**Proportion of all deaths (%)**

WHO region	Income level	Females						
		All ages	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
All	all	0.3	0.1	1.9	1.5	0.7	0.3	0.1
	high	0.0	0.0	0.1	0.0	0.0	0.0	0.0
	low and middle	0.4	0.2	1.9	1.5	0.7	0.3	0.1
African Region <sup>d</sup>	low and middle	0.9	0.2	4.3	2.3	0.8	0.9	0.3
	all	0.0	0.0	0.2	0.1	0.1	0.0	0.0
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Region of the Americas	low and middle	0.0	0.0	0.2	0.1	0.1	0.0	0.0
	all	0.2	0.0	0.5	0.7	0.7	0.3	0.1
	high	0.0	0.0	0.2	0.0	0.0	0.0	0.0
South-East Asia Region <sup>d</sup>	low and middle	0.2	0.0	0.5	0.7	0.7	0.3	0.1
	all	0.1	0.2	3.1	2.3	2.0	0.3	0.0
	high	0.0	0.0	0.2	0.0	0.0	0.0	0.0
European Region	low and middle	0.2	0.2	3.6	2.8	2.7	0.4	0.0
	all	0.5	0.3	2.1	2.4	0.6	0.4	0.3
	high	0.3	0.6	2.5	2.3	1.1	0.2	0.0
Eastern Mediterranean Region	low and middle	0.5	0.3	2.1	2.4	0.6	0.4	0.3
	all	0.0	0.0	0.5	0.0	0.0	0.0	0.0
	high	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Pacific Region	low and middle	0.0	0.0	0.5	0.0	0.0	0.0	0.0
	all	0.0	0.0	0.5	0.0	0.0	0.0	0.0
	high	0.0	0.0	0.5	0.0	0.0	0.0	0.0

TABLE A.6

The ten leading causes of death and DALYs, and rankings for violence-related deaths and DALYs, by WHO region, 2000

**ALL MEMBER STATES****Total**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	12.4
2	Cerebrovascular disease	9.2
3	Lower respiratory infections	6.9
4	HIV/AIDS	5.3
5	Chronic obstructive pulmonary disease	4.5
6	Perinatal conditions	4.4
7	Diarrhoeal diseases	3.8
8	Tuberculosis	3.0
9	Road traffic injuries	2.3
10	Trachea, bronchus, lung cancers	2.2
13	Suicide	1.5
22	Homicide	0.9
30	War	0.6

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Lower respiratory infections	6.4
2	Perinatal conditions	6.2
3	HIV/AIDS	6.1
4	Unipolar depressive disorders	4.4
5	Diarrhoeal diseases	4.2
6	Ischaemic heart disease	3.8
7	Cerebrovascular disease	3.1
8	Road traffic injuries	2.8
9	Malaria	2.7
10	Tuberculosis	2.4
17	Self-inflicted injuries	1.3
21	Interpersonal violence	1.1
32	War	0.7

**Males**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	12.2
2	Cerebrovascular disease	8.1
3	Lower respiratory infections	7.0
4	HIV/AIDS	5.0
5	Chronic obstructive pulmonary disease	4.6
6	Perinatal conditions	4.4
7	Diarrhoeal diseases	4.0
8	Tuberculosis	3.5
9	Road traffic injuries	3.1
10	Trachea, bronchus, lung cancers	3.0
13	Suicide	1.7
17	Homicide	1.4
27	War	0.8

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Perinatal conditions	6.4
2	Lower respiratory infections	6.4
3	HIV/AIDS	5.8
4	Diarrhoeal diseases	4.2
5	Ischaemic heart disease	4.2
6	Road traffic injuries	4.0
7	Unipolar depressive disorders	3.4
8	Cerebrovascular disease	3.0
9	Tuberculosis	2.9
10	Malaria	2.5
16	Interpersonal violence	1.6
19	Self-inflicted injuries	1.5
26	War	1.0

**Females**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	12.6
2	Cerebrovascular disease	10.4
3	Lower respiratory infections	6.9
4	HIV/AIDS	5.6
5	Chronic obstructive pulmonary disease	4.4
6	Perinatal conditions	4.4
7	Diarrhoeal diseases	3.6
8	Tuberculosis	2.4
9	Malaria	2.1
10	Hypertensive heart disease	1.9
17	Suicide	1.2
37	Homicide	0.5
46	War	0.3

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	HIV/AIDS	6.5
2	Lower respiratory infections	6.4
3	Perinatal conditions	6.0
4	Unipolar depressive disorders	5.5
5	Diarrhoeal diseases	4.2
6	Ischaemic heart disease	3.4
7	Cerebrovascular disease	3.2
8	Malaria	3.0
9	Congenital anomalies	2.2
10	Chronic obstructive pulmonary disease	2.1
18	Self-inflicted injuries	1.1
43	Interpersonal violence	0.5
49	War	0.4



TABLE A.6 (continued)

**ALL MEMBER STATES (continued)**
**High-income countries**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	17.9
2	Cerebrovascular disease	10.7
3	Trachea, bronchus, lung cancers	5.6
4	Lower respiratory infections	4.7
5	Chronic obstructive pulmonary disease	3.5
6	Colon and rectum cancers	3.2
7	Diabetes mellitus	2.3
8	Stomach cancer	2.0
9	Breast cancer	2.0
10	Alzheimer and other dementias	1.8
13	Suicide	1.5
35	Homicide	0.3
61	War	0.0

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Unipolar depressive disorders	8.8
2	Ischaemic heart disease	6.7
3	Alcohol use disorders	5.4
4	Cerebrovascular disease	4.9
5	Alzheimer and other dementias	4.3
6	Road traffic injuries	3.1
7	Trachea, bronchus, lung cancers	3.0
8	Osteoarthritis	2.7
9	Chronic obstructive pulmonary disease	2.5
10	Hearing loss, adult onset	2.5
12	Self-inflicted injuries	2.0
31	Interpersonal violence	0.7
88	War	0.0

**Low-income and middle-income countries**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	11.5
2	Cerebrovascular disease	8.9
3	Lower respiratory infections	7.3
4	HIV/AIDS	6.1
5	Perinatal conditions	5.1
6	Chronic obstructive pulmonary disease	4.7
7	Diarrhoeal diseases	4.4
8	Tuberculosis	3.4
9	Road traffic injuries	2.4
10	Malaria	2.3
14	Suicide	1.5
21	Homicide	1.0
27	War	0.7

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Lower respiratory infections	6.8
2	Perinatal conditions	6.7
3	HIV/AIDS	6.6
4	Meningitis	4.6
5	Diarrhoeal diseases	4.6
6	Unipolar depressive disorders	4.0
7	Ischaemic heart disease	3.5
8	Malaria	3.0
9	Cerebrovascular disease	2.9
10	Road traffic injuries	2.8
19	Self-inflicted injuries	1.2
21	Interpersonal violence	1.1
31	War	0.8

Source: WHO Global Burden of Disease project for 2000, Version 1.

TABLE A.6 (continued)

**AFRICAN REGION****Total**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	HIV/AIDS	22.6
2	Lower respiratory infections	10.1
3	Malaria	9.1
4	Diarrhoeal diseases	6.7
5	Perinatal conditions	5.5
6	Measles	4.3
7	Tuberculosis	3.6
8	Ischaemic heart disease	3.1
9	Cerebrovascular disease	2.9
10	Road traffic injuries	1.6
11	War	1.6
14	Homicide	1.1
42	Suicide	0.3

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	HIV/AIDS	20.6
2	Malaria	10.1
3	Lower respiratory infections	8.6
4	Perinatal conditions	6.3
5	Diarrhoeal diseases	6.1
6	Measles	4.5
7	Tuberculosis	2.8
8	Whooping cough	1.8
9	Road traffic injuries	1.6
10	Protein–energy malnutrition	1.6
11	War	1.6
15	Interpersonal violence	1.0
58	Self-inflicted injuries	0.2

**Males**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	HIV/AIDS	20.9
2	Lower respiratory infections	11.2
3	Malaria	8.4
4	Diarrhoeal diseases	7.2
5	Perinatal conditions	6.1
6	Tuberculosis	4.8
7	Measles	4.2
8	Ischaemic heart disease	2.9
9	War	2.3
10	Cerebrovascular disease	2.1
13	Homicide	1.5
28	Suicide	0.4

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	HIV/AIDS	18.7
2	Lower respiratory infections	9.6
3	Malaria	9.5
4	Perinatal conditions	7.2
5	Diarrhoeal diseases	6.7
6	Measles	4.5
7	Tuberculosis	3.6
8	Road traffic injuries	2.1
9	War	2.1
10	Whooping cough	1.8
12	Interpersonal violence	1.4
44	Self-inflicted injuries	0.3

**Females**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	HIV/AIDS	24.4
2	Malaria	9.9
3	Lower respiratory infections	8.9
4	Diarrhoeal diseases	6.1
5	Perinatal conditions	4.8
6	Measles	4.4
7	Cerebrovascular disease	3.7
8	Ischaemic heart disease	3.3
9	Tuberculosis	2.4
10	Whooping cough	1.6
17	War	0.9
22	Homicide	0.7
53	Suicide	0.1

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	HIV/AIDS	22.4
2	Malaria	10.7
3	Lower respiratory infections	7.6
4	Diarrhoeal diseases	5.5
5	Perinatal conditions	5.4
6	Measles	4.5
7	Tuberculosis	1.9
8	Whooping cough	1.9
9	Protein–energy malnutrition	1.5
10	Unipolar depressive disorders	1.4
18	War	1.0
25	Interpersonal violence	0.7
69	Self-inflicted injuries	0.1

TABLE A.6 (continued)

**AFRICAN REGION<sup>a</sup> (continued)**
**Low-income and middle-income countries**

Rank	Cause	Proportion of total (%)	Rank	Cause	Proportion of total (%)
<b>Deaths</b>			<b>DALYs</b>		
1	HIV/AIDS	22.6	1	HIV/AIDS	20.6
2	Lower respiratory infections	10.1	2	Malaria	10.1
3	Malaria	9.1	3	Lower respiratory infections	8.6
4	Diarrhoeal diseases	6.7	4	Perinatal conditions	6.3
5	Perinatal conditions	5.5	5	Diarrhoeal diseases	6.1
6	Measles	4.3	6	Measles	4.5
7	Tuberculosis	3.6	7	Tuberculosis	2.8
8	Ischaemic heart disease	3.1	8	Whooping cough	1.8
9	Cerebrovascular disease	2.9	9	Road traffic injuries	1.6
10	Road traffic injuries	1.6	10	Protein–energy malnutrition	1.6
11	War	1.6	11	War	1.6
14	Homicide	1.1	15	Interpersonal violence	1.0
42	Suicide	0.3	58	Self-inflicted injuries	0.2

Source: WHO Global Burden of Disease project for 2000, Version 1.

<sup>a</sup> No high-income countries in the region.

TABLE A.6 (continued)

**REGION OF THE AMERICAS****Total**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	15.6
2	Cerebrovascular disease	7.7
3	Lower respiratory infections	4.4
4	Trachea, bronchus and lung cancers	3.9
5	Diabetes mellitus	3.7
6	Chronic obstructive pulmonary disease	3.5
7	Homicide	2.7
8	Perinatal conditions	2.6
9	Road traffic injuries	2.4
10	Hypertensive heart disease	2.3
21	Suicide	1.1
62	War	0.0

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Unipolar depressive disorders	8.1
2	Alcohol use disorders	4.4
3	Ischaemic heart disease	4.4
4	Perinatal conditions	3.9
5	Interpersonal violence	3.8
6	Cerebrovascular disease	3.3
7	Road traffic injuries	3.2
8	Lower respiratory infections	2.7
9	Congenital anomalies	2.6
10	Hearing loss, adult onset	2.6
26	Self-inflicted injuries	1.1
86	War	0.0

**Males**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	15.5
2	Cerebrovascular disease	6.5
3	Trachea, bronchus and lung cancers	4.6
4	Homicide	4.5
5	Lower respiratory infections	4.1
6	Chronic obstructive pulmonary disease	3.6
7	Road traffic injuries	3.3
8	Diabetes mellitus	3.1
9	Perinatal conditions	2.8
10	Cirrhosis of the liver	2.4
15	Suicide	1.6
51	War	0.1

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Alcohol use disorders	6.6
2	Interpersonal violence	6.2
3	Unipolar depressive disorders	5.5
4	Ischaemic heart disease	4.9
5	Road traffic injuries	4.5
6	Perinatal conditions	4.1
7	Cerebrovascular disease	2.8
8	Lower respiratory infections	2.7
9	Hearing loss, adult onset	2.6
10	Congenital anomalies	2.5
19	Self-inflicted injuries	1.5
73	War	0.1

**Females**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	15.7
2	Cerebrovascular disease	9.1
3	Lower respiratory infections	4.7
4	Diabetes mellitus	4.5
5	Chronic obstructive pulmonary disease	3.4
6	Trachea, bronchus and lung cancers	3.2
7	Breast cancer	3.2
8	Hypertensive heart disease	2.7
9	Perinatal conditions	2.3
10	Colon and rectum cancers	2.0
30	Homicide	0.6
32	Suicide	0.5
66	War	0.3

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Unipolar depressive disorders	11.2
2	Ischaemic heart disease	3.8
3	Cerebrovascular disease	3.8
4	Perinatal conditions	3.7
5	Diabetes mellitus	2.8
6	Congenital anomalies	2.8
7	Lower respiratory infections	2.7
8	Hearing loss, adult onset	2.6
9	Diarrhoeal diseases	2.0
10	Anaemia	2.0
27	Interpersonal violence	0.9
42	Self-inflicted injuries	0.6
87	War	0.0

TABLE A.6 (continued)

**REGION OF THE AMERICAS (continued)**
**High-income countries**

Rank	Cause	Proportion of total (%)
Deaths		
1	Ischaemic heart disease	20.8
2	Cerebrovascular disease	7.0
3	Trachea, bronchus and lung cancers	6.6
4	Chronic obstructive pulmonary disease	4.5
5	Lower respiratory infections	4.0
6	Colon and rectum cancers	2.8
7	Diabetes mellitus	2.8
8	Alzheimer and other dementias	2.2
9	Breast cancer	2.0
10	Hypertensive heart disease	1.8
14	Suicide	1.3
22	Homicide	0.7
66	War	0.0

Rank	Cause	Proportion of total (%)
DALYs		
1	Unipolar depressive disorders	11.0
2	Ischaemic heart disease	7.1
3	Alcohol use disorders	6.7
4	Cerebrovascular disease	3.4
5	Road traffic injuries	3.3
6	Trachea, bronchus and lung cancers	3.2
7	Alzheimer and other dementias	3.1
8	Diabetes mellitus	2.8
9	Chronic obstructive pulmonary disease	2.8
10	Hearing loss, adult onset	2.6
12	Self-inflicted injuries	1.7
18	Interpersonal violence	1.4
87	War	0.0

**Low-income and middle-income countries**

Rank	Cause	Proportion of total (%)
Deaths		
1	Ischaemic heart disease	11.2
2	Cerebrovascular disease	8.2
3	Lower respiratory infections	4.7
4	Diabetes mellitus	4.5
5	Homicide	4.4
6	Perinatal conditions	4.2
7	Road traffic injuries	2.9
8	Chronic obstructive pulmonary disease	2.7
9	Hypertensive heart disease	2.6
10	Diarrhoeal diseases	2.4
24	Suicide	0.9
60	War	0.1

Rank	Cause	Proportion of total (%)
DALYs		
1	Unipolar depressive disorders	6.7
2	Perinatal conditions	5.1
3	Interpersonal violence	4.8
4	Alcohol use disorders	3.4
5	Lower respiratory infections	3.4
6	Road traffic injuries	3.2
7	Cerebrovascular disease	3.2
8	Congenital anomalies	3.1
9	Ischaemic heart disease	3.1
10	Diarrhoeal diseases	2.8
30	Self-inflicted injuries	0.8
82	War	0.1

Source: WHO Global Burden of Disease project for 2000, Version 1.

TABLE A.6 (continued)

**SOUTH-EAST ASIA REGION****Total**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	13.7
2	Lower respiratory infections	9.5
3	Perinatal conditions	7.1
4	Diarrhoeal diseases	6.7
5	Cerebrovascular disease	5.7
6	Tuberculosis	4.8
7	Road traffic injuries	3.1
8	HIV/AIDS	2.6
9	Chronic obstructive pulmonary disease	2.2
10	Congenital anomalies	1.9
16	Suicide	1.2
28	Homicide	0.5
34	War	0.4

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Perinatal conditions	8.9
2	Lower respiratory infections	7.4
3	Diarrhoeal diseases	5.5
4	Unipolar depressive disorders	4.7
5	Ischaemic heart disease	4.4
6	Tuberculosis	3.5
7	Road traffic injuries	3.3
8	Congenital anomalies	3.0
9	HIV/AIDS	2.7
10	Anaemia	2.3
19	Self-inflicted injuries	1.2
38	Interpersonal violence	0.5
41	War	0.5

**Males**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	13.6
2	Lower respiratory infections	9.8
3	Diarrhoeal diseases	7.1
4	Perinatal conditions	6.8
5	Cerebrovascular disease	5.3
6	Tuberculosis	5.1
7	Road traffic injuries	4.3
8	HIV/AIDS	3.1
9	Chronic obstructive pulmonary disease	2.1
10	Cirrhosis of the liver	1.9
14	Suicide	1.4
22	Homicide	0.7
25	War	0.6

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Perinatal conditions	9.0
2	Lower respiratory infections	7.2
3	Diarrhoeal diseases	5.4
4	Road traffic injuries	5.0
5	Ischaemic heart disease	4.8
6	Tuberculosis	4.0
7	Unipolar depressive disorders	3.7
8	HIV/AIDS	3.3
9	Congenital anomalies	3.1
10	Hearing loss, adult onset	2.1
17	Self-inflicted injuries	1.3
27	War	0.8
32	Interpersonal violence	0.7

**Females**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	13.9
2	Lower respiratory infections	9.0
3	Perinatal conditions	7.5
4	Diarrhoeal diseases	6.3
5	Cerebrovascular disease	6.2
6	Tuberculosis	4.3
7	Chronic obstructive pulmonary disease	2.3
8	Congenital anomalies	2.0
9	HIV/AIDS	2.0
10	Cervix uteri cancer	1.8
20	Suicide	0.9
37	Homicide	0.4
48	War	0.2

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Perinatal conditions	8.7
2	Lower respiratory infections	7.6
3	Unipolar depressive disorders	5.7
4	Diarrhoeal diseases	5.6
5	Ischaemic heart disease	4.1
6	Tuberculosis	3.1
7	Congenital anomalies	2.9
8	Anaemia	2.7
9	Cerebrovascular disease	2.1
10	HIV/AIDS	2.1
25	Self-inflicted injuries	1.0
51	Interpersonal violence	0.3
63	War	0.2

TABLE A.6 (continued)

**SOUTH-EAST ASIA REGION<sup>a</sup> (continued)**
**Low-income and middle-income countries**

Rank	Cause	Proportion of total (%)	Rank	Cause	Proportion of total (%)
<b>Deaths</b>			<b>DALYs</b>		
1	Ischaemic heart disease	13.7	1	Perinatal conditions	8.9
2	Lower respiratory infections	9.5	2	Lower respiratory infections	7.4
3	Perinatal conditions	7.1	3	Diarrhoeal diseases	5.5
4	Diarrhoeal diseases	6.7	4	Unipolar depressive disorders	4.7
5	Cerebrovascular disease	5.7	5	Ischaemic heart disease	4.4
6	Tuberculosis	4.8	6	Tuberculosis	3.5
7	Road traffic injuries	3.1	7	Road traffic injuries	3.3
8	HIV/AIDS	2.6	8	Congenital anomalies	3.0
9	Chronic obstructive pulmonary disease	2.2	9	HIV/AIDS	2.7
10	Congenital anomalies	1.9	10	Anaemia	2.3
16	Suicide	1.2	19	Self-inflicted injuries	1.2
28	Homicide	0.5	38	Interpersonal violence	0.5
34	War	0.4	41	War	0.5

Source: WHO Global Burden of Disease project for 2000, Version 1.

<sup>a</sup> No high-income countries in the region.

TABLE A.6 (continued)

**EUROPEAN REGION****Total**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	24.3
2	Cerebrovascular disease	15.4
3	Trachea, bronchus and lung cancers	3.9
4	Lower respiratory infections	3.0
5	Chronic obstructive pulmonary disease	2.8
6	Colon and rectum cancers	2.5
7	Suicide	1.9
8	Stomach cancer	1.9
9	Cirrhosis of the liver	1.8
10	Hypertensive heart disease	1.6
18	Homicide	0.8
34	War	0.4

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Ischaemic heart disease	10.1
2	Cerebrovascular disease	6.8
3	Unipolar depressive disorders	6.0
4	Alcohol use disorders	3.4
5	Alzheimer and other dementias	3.0
6	Self-inflicted injuries	2.6
7	Road traffic injuries	2.5
8	Lower respiratory infections	2.4
9	Hearing loss, adult onset	2.3
10	Trachea, bronchus and lung cancers	2.2
18	Interpersonal violence	1.4
33	War	0.7

**Males**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	23.4
2	Cerebrovascular disease	11.6
3	Trachea, bronchus and lung cancers	6.0
4	Chronic obstructive pulmonary disease	3.6
5	Suicide	3.0
6	Lower respiratory infections	3.0
7	Colon and rectum cancers	2.4
8	Stomach cancer	2.2
9	Cirrhosis of the liver	2.2
10	Prostate cancer	1.9
14	Homicide	1.2
29	War	0.6

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Ischaemic heart disease	11.0
2	Cerebrovascular disease	5.6
3	Alcohol use disorders	5.1
4	Unipolar depressive disorders	4.0
5	Self-inflicted injuries	3.7
6	Road traffic injuries	3.4
7	Trachea, bronchus and lung cancers	3.2
8	Chronic obstructive pulmonary disease	2.6
9	Lower respiratory infections	2.5
10	Poisonings	2.1
15	Interpersonal violence	1.9
26	War	1.0

**Females**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	25.2
2	Cerebrovascular disease	19.3
3	Breast cancer	3.3
4	Lower respiratory infections	3.1
5	Colon and rectum cancers	2.5
6	Chronic obstructive pulmonary disease	2.0
7	Hypertensive heart disease	2.0
8	Diabetes mellitus	1.8
9	Stomach cancer	1.6
10	Trachea, bronchus and lung cancers	1.6
16	Suicide	0.8
28	Homicide	0.4
44	War	0.1

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Ischaemic heart disease	9.0
2	Unipolar depressive disorders	8.6
3	Cerebrovascular disease	8.3
4	Alzheimer and other dementias	4.2
5	Osteoarthritis	2.9
6	Breast cancer	2.8
7	Hearing loss, adult onset	2.5
8	Lower respiratory infections	2.3
9	Diabetes mellitus	2.0
10	Perinatal conditions	1.8
21	Self-inflicted injuries	1.1
34	Interpersonal violence	0.7
58	War	0.3



TABLE A.6 (continued)

**EUROPEAN REGION (continued)**
**High-income countries**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	18.4
2	Cerebrovascular disease	11.3
3	Trachea, bronchus and lung cancers	5.1
4	Lower respiratory infections	4.1
5	Colon and rectum cancers	3.4
6	Chronic obstructive pulmonary disease	3.4
7	Breast cancer	2.3
8	Diabetes mellitus	2.1
9	Alzheimer and other dementias	1.9
10	Prostate cancer	1.8
15	Suicide	1.3
44	Homicide	0.1
68	War	0.0

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Unipolar depressive disorders	7.9
2	Ischaemic heart disease	7.5
3	Alzheimer and other dementias	6.1
4	Alcohol use disorders	5.3
5	Cerebrovascular disease	5.1
6	Trachea, bronchus and lung cancers	3.1
7	Osteoarthritis	2.9
8	Road traffic injuries	2.7
9	Hearing loss, adult onset	2.5
10	Chronic obstructive pulmonary disease	2.4
14	Self-inflicted injuries	1.9
53	Interpersonal violence	0.2
86	War	0.0

**Low-income and middle-income countries**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	28.3
2	Cerebrovascular disease	18.1
3	Trachea, bronchus and lung cancers	3.1
4	Chronic obstructive pulmonary disease	2.4
5	Suicide	2.3
6	Lower respiratory infections	2.3
7	Stomach cancer	2.1
8	Cirrhosis of the liver	1.8
9	Poisonings	1.8
10	Colon and rectum cancers	1.8
13	Homicide	1.3
21	War	0.6

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Ischaemic heart disease	11.4
2	Cerebrovascular disease	7.7
3	Unipolar depressive disorders	5.1
4	Lower respiratory infections	3.0
5	Self-inflicted injuries	2.9
6	Alcohol use disorders	2.5
7	Perinatal conditions	2.4
8	Road traffic injuries	2.3
9	Hearing loss, adult onset	2.2
10	Poisonings	2.1
12	Interpersonal violence	1.9
24	War	1.0

Source: WHO Global Burden of Disease project for 2000, Version 1.

TABLE A.6 (continued)

**EASTERN MEDITERRANEAN REGION****Total**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	10.5
2	Lower respiratory infections	9.1
3	Perinatal conditions	7.5
4	Diarrhoeal diseases	7.1
5	Cerebrovascular disease	5.3
6	Tuberculosis	3.4
7	Road traffic injuries	2.3
8	Congenital anomalies	2.2
9	Measles	2.0
10	Hypertensive heart disease	1.8
18	War	1.0
21	Homicide	0.8
25	Suicide	0.6

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Perinatal conditions	8.4
2	Lower respiratory infections	8.4
3	Diarrhoeal diseases	6.9
4	Unipolar depressive disorders	3.5
5	Congenital anomalies	3.3
6	Ischaemic heart disease	3.1
7	Road traffic injuries	2.5
8	Tuberculosis	2.2
9	Measles	2.2
10	Cerebrovascular disease	2.0
20	War	1.0
29	Interpersonal violence	0.7
34	Self-inflicted injuries	0.5

**Males**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Ischaemic heart disease	11.7
2	Lower respiratory infections	8.6
3	Perinatal conditions	7.6
4	Diarrhoeal diseases	6.7
5	Cerebrovascular disease	5.0
6	Tuberculosis	4.3
7	Road traffic injuries	3.2
8	Congenital anomalies	2.1
9	Measles	1.9
10	Nephritis and nephrosis	1.8
15	War	1.3
21	Homicide	0.9
26	Suicide	0.6

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Perinatal conditions	8.9
2	Lower respiratory infections	8.3
3	Diarrhoeal diseases	6.7
4	Road traffic injuries	3.7
5	Ischaemic heart disease	3.6
6	Congenital anomalies	3.3
7	Tuberculosis	2.8
8	Unipolar depressive disorders	2.8
9	Measles	2.1
10	Cerebrovascular disease	2.0
15	War	1.5
25	Interpersonal violence	0.9
37	Self-inflicted injuries	0.5

**Females**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Lower respiratory infections	9.6
2	Ischaemic heart disease	9.2
3	Diarrhoeal diseases	7.5
4	Perinatal conditions	7.4
5	Cerebrovascular disease	5.7
6	Tuberculosis	2.3
7	Congenital anomalies	2.2
8	Measles	2.1
9	Hypertensive heart disease	2.0
10	Diabetes mellitus	1.7
26	Suicide	0.6
27	Homicide	0.6
29	War	0.5

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Lower respiratory infections	8.4
2	Perinatal conditions	7.9
3	Diarrhoeal diseases	7.1
4	Unipolar depressive disorders	4.2
5	Congenital anomalies	3.2
6	Ischaemic heart disease	2.6
7	Anaemia	2.3
8	Measles	2.2
9	Cerebrovascular disease	2.0
10	Whooping cough	1.7
36	Self-inflicted injuries	0.6
39	War	0.6
40	Interpersonal violence	0.5

TABLE A.6 (continued)

**EASTERN MEDITERRANEAN REGION (continued)****High-income countries**

Rank	Cause	Proportion of total (%)
Deaths		
1	Ischaemic heart disease	20.7
2	Cerebrovascular disease	11.3
3	Road traffic injuries	6.3
4	Hypertensive heart disease	4.2
5	Trachea, bronchus and lung cancers	3.1
6	Nephritis and nephrosis	2.3
7	Diabetes mellitus	2.3
8	Lower respiratory infections	2.2
9	Congenital anomalies	1.8
10	Chronic obstructive pulmonary disease	1.6
16	Homicide	1.0
22	Suicide	0.8
27	War	0.6

Rank	Cause	Proportion of total (%)
DALYs		
1	Ischaemic heart disease	7.5
2	Road traffic injuries	7.2
3	Unipolar depressive disorders	6.9
4	Hearing loss, adult onset	5.5
5	Cerebrovascular disease	3.4
6	Congenital anomalies	3.1
7	Anaemia	2.7
8	Diabetes mellitus	2.5
9	Drug use disorders	2.3
10	Falls	2.3
22	Interpersonal violence	1.0
31	Self-inflicted injuries	0.7
35	War	0.6

**Low-income and middle-income countries**

Rank	Cause	Proportion of total (%)
Deaths		
1	Ischaemic heart disease	10.4
2	Lower respiratory infections	9.1
3	Perinatal conditions	7.6
4	Diarrhoeal diseases	7.1
5	Cerebrovascular disease	5.3
6	Tuberculosis	3.4
7	Road traffic injuries	2.2
8	Congenital anomalies	2.2
9	Measles	2.0
10	Hypertensive heart disease	1.8
18	War	1.0
20	Homicide	0.8
26	Suicide	0.6

Rank	Cause	Proportion of total (%)
DALYs		
1	Perinatal conditions	8.5
2	Lower respiratory infections	8.4
3	Diarrhoeal diseases	6.9
4	Unipolar depressive disorders	3.5
5	Congenital anomalies	3.3
6	Ischaemic heart disease	3.1
7	Road traffic injuries	2.5
8	Tuberculosis	2.2
9	Measles	2.2
10	Cerebrovascular disease	2.0
20	War	1.0
29	Interpersonal violence	0.7
34	Self-inflicted injuries	0.5

Source: WHO Global Burden of Disease project for 2000, Version 1.

TABLE A.6 (continued)

**WESTERN PACIFIC REGION****Total**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Cerebrovascular disease	16.2
2	Chronic obstructive pulmonary disease	13.8
3	Ischaemic heart disease	8.2
4	Lower respiratory infections	4.7
5	Trachea, bronchus and lung cancers	3.5
6	Liver cancer	3.5
7	Stomach cancer	3.2
8	Suicide	3.0
9	Tuberculosis	3.0
10	Perinatal conditions	2.8
27	Homicide	0.5
66	War	0.0

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Chronic obstructive pulmonary disease	7.3
2	Cerebrovascular disease	5.8
3	Unipolar depressive disorders	5.8
4	Lower respiratory infections	5.2
5	Perinatal conditions	4.6
6	Road traffic injuries	3.7
7	Anaemia	3.2
8	Ischaemic heart disease	3.0
9	Self-inflicted injuries	2.8
10	Falls	2.6
33	Interpersonal violence	0.7
85	War	0.1

**Males**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Cerebrovascular disease	15.8
2	Chronic obstructive pulmonary disease	13.1
3	Ischaemic heart disease	8.3
4	Liver cancer	4.5
5	Trachea, bronchus and lung cancers	4.5
6	Lower respiratory infections	4.0
7	Stomach cancer	3.8
8	Road traffic injuries	3.4
9	Tuberculosis	3.3
10	Suicide	2.7
23	Homicide	0.7
56	War	0.0

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Chronic obstructive pulmonary disease	7.3
2	Cerebrovascular disease	6.1
3	Road traffic injuries	4.9
4	Unipolar depressive disorders	4.8
5	Lower respiratory infections	4.6
6	Perinatal conditions	4.3
7	Ischaemic heart disease	3.2
8	Anaemia	3.1
9	Falls	2.8
10	Liver cancer	2.7
13	Self-inflicted injuries	2.3
27	Interpersonal violence	0.9
75	War	0.1

**Females**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Cerebrovascular disease	16.6
2	Chronic obstructive pulmonary disease	14.6
3	Ischaemic heart disease	8.1
4	Lower respiratory infections	5.6
5	Suicide	3.5
6	Perinatal conditions	3.2
7	Hypertensive heart disease	2.8
8	Tuberculosis	2.7
9	Stomach cancer	2.5
10	Trachea, bronchus and lung cancers	2.3
39	Homicide	0.3
67	War	0.0

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Chronic obstructive pulmonary disease	7.2
2	Unipolar depressive disorders	7.1
3	Lower respiratory infections	5.9
4	Cerebrovascular disease	5.5
5	Perinatal conditions	4.9
6	Self-inflicted injuries	3.5
7	Anaemia	3.3
8	Ischaemic heart disease	2.6
9	Osteoarthritis	2.5
10	Congenital anomalies	2.4
51	Interpersonal violence	0.4
86	War	0.0

TABLE A.6 (continued)

**WESTERN PACIFIC REGION (continued)****High-income countries**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Cerebrovascular disease	15.7
2	Ischaemic heart disease	10.8
3	Lower respiratory infections	7.4
4	Trachea, bronchus and lung cancers	5.3
5	Stomach cancer	5.1
6	Colon and rectum cancers	3.4
7	Liver cancer	3.3
8	Suicide	2.4
9	Road traffic injuries	2.2
10	Diabetes mellitus	2.1
43	Homicide	0.2
— <sup>a</sup>	War	— <sup>a</sup>

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Cerebrovascular disease	7.6
2	Unipolar depressive disorders	6.4
3	Ischaemic heart disease	4.2
4	Osteoarthritis	3.4
5	Road traffic injuries	3.4
6	Alcohol use disorders	3.1
7	Self-inflicted injuries	2.9
8	Stomach cancer	2.7
9	Diabetes mellitus	2.7
10	Trachea, bronchus, lung cancers	2.6
52	Interpersonal violence	0.3
— <sup>a</sup>	War	— <sup>a</sup>

**Low-income and middle-income countries**

Rank	Cause	Proportion of total (%)
<b>Deaths</b>		
1	Cerebrovascular disease	16.2
2	Chronic obstructive pulmonary disease	15.5
3	Ischaemic heart disease	7.8
4	Lower respiratory infections	4.4
5	Liver cancer	3.5
6	Tuberculosis	3.3
7	Trachea, bronchus and lung cancers	3.3
8	Perinatal conditions	3.2
9	Suicide	3.1
10	Stomach cancer	3.0
26	Homicide	6.0
64	War	0.0

Rank	Cause	Proportion of total (%)
<b>DALYs</b>		
1	Chronic obstructive pulmonary disease	7.7
2	Unipolar depressive disorders	5.8
3	Cerebrovascular disease	5.7
4	Lower respiratory infections	5.5
5	Perinatal conditions	5.0
6	Road traffic injuries	3.7
7	Anaemia	3.3
8	Ischaemic heart disease	2.8
9	Self-inflicted injuries	2.8
10	Falls	2.6
32	Interpersonal violence	0.7
83	War	0.1

Source: WHO Global Burden of Disease project for 2000, Version 1.

<sup>a</sup> No war-related deaths or injuries reported.

TABLE A.7

Mortality caused by intentional injury,<sup>a</sup> by sex, age group and country, most recent year available between 1990 and 2000<sup>b</sup>

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Albania	1998	No.	846	689	4	16	333	193	103	39
		Rate	26.7	46.4	—	—	93.1	53.2	45.9	27.8
Argentina	1996	No.	3 980	3 145	37	85	936	720	689	678
		Rate	11.4	19.0	2.1	1.7	21.0	21.9	28.5	34.1
Armenia	1999	No.	167	128	2	3	29	45	27	22
		Rate	4.3	6.9	—	—	5.9	10.4	12.0	10.3
Australia	1998	No.	2 954	2 325	9	23	727	803	435	328
		Rate	14.9	23.6	—	1.1	34.6	37.4	25.7	24.0
Austria	1999	No.	1 629	1 161	3	7	174	304	279	394
		Rate	16.3	25.0	—	—	22.1	29.6	36.7	60.4
Azerbaijan	1999	No.	430	367	0	10	185	107	41	24
		Rate	5.8	10.0	—	—	17.5	12.6	10.9	8.3
Bahamas	1995-1997	No.	47	40	1	2	21	11	3	2
		Rate	16.0	28.4	—	—	50.4	—	—	—
Barbados	1993-1995	No.	36	28	0	0	11	9	4	3
		Rate	14.0	22.1	—	—	—	—	—	—
Belarus	1999	No.	4 537	3 664	3	27	755	1 226	968	685
		Rate	41.4	72.5	—	2.7	67.6	105.9	125.6	101.5
Belgium	1995	No.	2 330	1 653	3	14	276	505	395	460
		Rate	19.5	28.9	—	—	26.6	42.7	44.4	50.4
Brazil	1995	No.	43 866	39 046	99	573	20 183	12 011	4 344	1 835
		Rate	27.7	50.2	1.2	2.2	89.1	71.9	49.5	35.8
Bulgaria	1999	No.	1 550	1 143	4	12	156	227	293	451
		Rate	14.9	23.5	—	—	17.0	27.2	37.0	57.9
Canada	1997	No.	4 145	3 222	14	65	784	1 091	758	510
		Rate	12.8	20.1	—	2.1	24.8	28.4	28.7	23.8
Chile	1994	No.	1 226	1 070	10	16	365	329	191	159
		Rate	9.0	16.5	—	—	19.7	21.5	22.2	28.1
China										
(Hong Kong SAR)	1996	No.	863	548	5	14	105	181	103	141
		Rate	12.3	15.9	—	—	15.0	19.8	20.0	33.6
Selected urban and rural areas	1999	No.	19 276	9 719	16	143	1 766	2 702	1 944	3 148
		Rate	15.5	15.9	—	1.1	10.1	17.2	20.7	47.7
Colombia	1995	No.	24 728	22 685	56	310	12 169	7 272	2 141	737
		Rate	65.1	122.4	2.3	4.6	220.5	191.3	116.5	65.1
Costa Rica	1995	No.	394	330	3	9	124	124	50	21
		Rate	12.0	20.1	—	—	24.9	32.9	27.0	18.3
Croatia	1999	No.	1 134	825	1	8	131	207	197	281
		Rate	21.4	34.8	—	—	27.1	39.6	49.8	86.2
Cuba	1997	No.	2 819	2 024	7	17	511	581	375	533
		Rate	23.5	33.9	—	—	35.7	44.4	42.7	78.0
Czech Republic	1999	No.	1 769	1 386	3	7	245	335	426	370
		Rate	14.4	24.1	—	—	19.9	31.8	39.6	49.1
Denmark	1996	No.	955	670	2	4	92	178	184	210
		Rate	14.8	21.6	—	—	16.7	29.9	34.6	47.1
Ecuador	1996	No.	2 242	1 905	5	34	872	643	234	117
		Rate	20.8	36.0	—	1.6	50.7	58.5	41.5	32.6
El Salvador	1991	No.	2 776	2 491	2	31	1 464	552	250	192
		Rate	61.9	119.2	—	2.9	204.9	143.2	106.3	125.2
Estonia	1999	No.	701	546	2	4	102	156	167	115
		Rate	42.9	74.0	—	—	63.6	101.8	138.7	112.8
Finland	1998	No.	1 355	1 053	1	5	188	334	312	213
		Rate	23.3	37.3	—	—	38.1	57.3	57.2	52.8

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Albania	1998	No.	156	5	10	76	39	16	11
		Rate	9.1	—	—	17.4	10.8	—	—
Argentina	1996	No.	835	35	60	214	176	160	190
		Rate	4.4	2.1	1.2	4.9	5.2	6.2	7.1
Armenia	1999	No.	39	0	2	3	10	8	16
		Rate	1.9	—	—	—	—	—	—
Australia	1998	No.	629	10	13	161	209	118	117
		Rate	6.2	—	—	7.9	9.7	7.2	7.1
Austria	1999	No.	468	3	4	50	101	109	201
		Rate	8.4	—	—	6.5	10.3	14.3	20.6
Azerbaijan	1999	No.	63	1	3	14	22	12	11
		Rate	1.8	—	—	—	2.4	—	—
Bahamas	1995-1997	No.	7	0	1	2	3	1	0
		Rate	—	—	—	—	—	—	—
Barbados	1993-1995	No.	9	0	0	3	2	2	1
		Rate	—	—	—	—	—	—	—
Belarus	1999	No.	873	3	13	143	215	219	279
		Rate	14.2	—	—	13.2	18.1	24.9	22.8
Belgium	1995	No.	677	3	9	73	195	156	241
		Rate	10.7	—	—	—	17.0	17.5	19.2
Brazil	1995	No.	4 820	84	302	1 977	1 518	569	370
		Rate	6.0	1.0	1.2	8.7	8.8	6.0	6.0
Bulgaria	1999	No.	407	1	5	44	64	86	207
		Rate	7.1	—	—	5.0	7.7	10.1	20.7
Canada	1997	No.	923	10	32	189	303	233	156
		Rate	5.6	—	1.1	6.2	8.0	8.7	5.7
Chile	1994	No.	156	5	12	50	42	25	22
		Rate	2.2	—	—	2.7	2.7	2.7	2.9
China									
Hong Kong SAR	1996	No.	315	4	13	65	83	39	110
		Rate	8.6	—	—	9.0	8.8	8.9	23.4
Selected urban and rural areas	1999	No.	9 557	19	120	2 117	2 587	1 757	2 957
		Rate	15.2	—	1.0	13.1	17.5	19.6	40.5
Colombia	1995	No.	2 043	34	151	982	575	218	83
		Rate	10.4	1.5	2.3	17.8	14.2	10.9	6.0
Costa Rica	1995	No.	64	1	4	31	20	7	1
		Rate	3.7	—	—	6.5	5.3	—	—
Croatia	1999	No.	309	1	3	21	50	74	160
		Rate	9.9	—	—	4.5	9.9	17.1	31.1
Cuba	1997	No.	795	4	14	208	212	164	193
		Rate	13.4	—	—	15.1	16.1	18.1	26.3
Czech Republic	1999	No.	383	4	6	54	64	99	156
		Rate	5.7	—	—	4.6	6.3	8.9	14.0
Denmark	1996	No.	285	1	1	21	73	90	99
		Rate	8.3	—	—	4.0	12.8	17.2	16.8
Ecuador	1996	No.	337	6	28	185	70	24	24
		Rate	5.8	—	1.4	11.0	6.4	4.2	5.9
El Salvador	1991	No.	285	1	23	164	50	29	18
		Rate	11.5	—	2.2	21.6	11.6	11.4	—
Estonia	1999	No.	155	3	4	14	35	43	56
		Rate	16.3	—	—	9.2	22.7	29.7	29.7
Finland	1998	No.	302	1	3	43	77	99	79
		Rate	9.9	—	—	9.1	13.7	18.4	13.2

TABLE A.7 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
France	1998	No.	10 997	8 058	14	36	1 092	2 358	1 938	2 620
		Rate	15.6	24.1	—	0.6	17.8	36.6	36.7	51.7
Georgia	1992	No.	214	160	0	0	38	42	30	50
		Rate	4.1	6.8	—	—	7.0	8.4	8.6	16.9
Germany	1999	No.	11 928	8 532	27	65	1 185	2 348	2 133	2 774
		Rate	11.5	17.7	1.3	1.0	15.9	22.6	26.9	36.4
Greece	1998	No.	548	425	1	1	82	107	100	134
		Rate	4.3	6.9	—	—	6.9	9.5	10.6	12.4
Guyana	1994-1996	No.	126	99	0	0	43	32	16	8
		Rate	19.1	32.3	—	—	37.1	47.8	—	—
Hungary	1999	No.	3 628	2 724	4	19	302	747	873	780
		Rate	29.5	49.0	—	—	25.9	72.8	90.5	102.3
Iceland	1994-1996	No.	29	24	0	0	8	6	5	4
		Rate	10.6	17.8	—	—	—	—	—	—
Ireland	1997	No.	498	398	1	5	156	118	76	42
		Rate	13.4	21.6	—	—	33.8	31.2	25.8	16.9
Israel	1997	No.	430	335	0	2	108	82	48	95
		Rate	7.3	12.1	—	—	14.6	15.1	12.4	28.4
Italy	1997	No.	5 416	4 108	0	11	748	933	873	1 543
		Rate	7.3	11.8	—	—	12.1	14.6	16.2	27.4
Japan	1997	No.	24 300	16 376	32	86	2 036	3 145	5 963	5 114
		Rate	15.1	21.4	1.1	0.9	14.9	26.1	43.2	43.1
Kazakhstan	1992	No.	5 844	4 569	14	99	1 470	1 706	845	434
		Rate	36.7	60.3	—	3.7	68.8	91.6	86.3	74.3
Kuwait	1999	No.	97	71	1	3	24	38	3	2
		Rate	4.2	5.1	—	—	7.5	7.9	—	—
Kyrgyzstan	1999	No.	906	727	1	16	201	272	153	84
		Rate	22.6	38.1	—	—	30.1	56.2	74.3	52.7
Latvia	1999	No.	1 075	806	0	1	132	256	246	171
		Rate	38.6	64.4	—	—	50.5	96.4	122.4	99.1
Lithuania	1999	No.	1 856	1 498	2	13	282	482	468	251
		Rate	45.8	80.5	—	—	68.7	115.1	163.3	100.9
Luxembourg	1995-1997	No.	75	55	0	0	8	17	14	16
		Rate	15.4	23.4	—	—	—	—	—	—
Malta	1997-1999	No.	25	19	0	0	4	8	2	4
		Rate	6.1	—	—	—	—	—	—	—
Mauritius	1999	No.	214	144	2	3	40	66	22	11
		Rate	17.5	23.6	—	—	26.2	45.6	27.5	—
Mexico	1997	No.	17 153	15 131	129	434	6 636	4 540	2 116	1 276
		Rate	19.8	36.5	2.2	2.6	46.6	53.5	46.3	45.0
Netherlands	1999	No.	1 729	1 166	4	15	202	380	308	257
		Rate	9.5	13.1	—	—	12.9	19.5	19.5	20.9
New Zealand	1998	No.	638	479	5	16	180	132	77	69
		Rate	16.6	25.3	—	—	44.0	30.8	24.0	26.5
Nicaragua	1996	No.	522	398	2	13	193	108	51	30
		Rate	14.4	23.8	—	—	30.1	31.7	32.2	32.9
Norway	1997	No.	575	416	1	6	94	114	91	110
		Rate	11.8	17.4	—	—	20.4	23.0	22.6	29.6
Panama (excluding Canal Zone)	1997	No.	453	401	5	8	186	125	44	32
		Rate	17.0	30.1	—	—	48.5	45.3	28.0	31.1
Paraguay	1994	No.	577	508	3	11	203	162	76	53
		Rate	15.9	28.6	—	—	31.8	37.2	39.8	50.4



Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
France	1998	No.	2 939	8	23	308	721	781	1 098
		Rate	7.9	—	0.4	5.1	11.1	14.7	15.8
Georgia	1992	No.	54	0	0	12	13	9	20
		Rate	1.9	—	—	—	—	—	4.4
Germany	1999	No.	3 396	16	42	303	685	783	1 567
		Rate	5.9	—	0.7	4.3	7.0	10.0	14.3
Greece	1998	No.	123	0	1	15	26	37	44
		Rate	1.9	—	—	—	2.3	3.8	3.4
Guyana	1994-1996	No.	27	0	1	13	8	4	2
		Rate	7.5	—	—	—	—	—	—
Hungary	1999	No.	904	5	9	73	173	222	422
		Rate	12.7	—	—	6.6	16.9	20.8	34.8
Iceland	1994-1996	No.	5	0	0	1	0	1	2
		Rate	—	—	—	—	—	—	—
Ireland	1997	No.	100	1	1	26	24	24	24
		Rate	5.1	—	—	5.8	6.2	8.3	7.8
Israel	1997	No.	95	0	3	14	25	8	45
		Rate	3.0	—	—	—	4.4	—	10.4
Italy	1997	No.	1 308	2	14	173	252	279	588
		Rate	3.3	—	—	2.9	4.0	5.0	7.8
Japan	1997	No.	7 923	42	82	903	1 139	2 078	3 679
		Rate	9.0	1.5	0.9	6.9	9.6	14.9	23.7
Kazakhstan	1992	No.	1 275	18	40	299	354	239	325
		Rate	15.1	—	1.5	14.6	18.6	21.8	30.1
Kuwait	1999	No.	26	0	0	6	18	1	1
		Rate	3.2	—	—	—	—	—	—
Kyrgyzstan	1999	No.	179	5	10	56	39	21	48
		Rate	8.2	—	—	8.5	7.9	9.4	20.9
Latvia	1999	No.	269	3	6	27	63	66	103
		Rate	16.7	—	—	10.7	23.5	27.3	31.8
Lithuania	1999	No.	358	5	9	44	78	87	135
		Rate	15.1	—	—	11.0	18.4	25.6	31.4
Luxembourg	1995-1997	No.	20	0	0	3	7	5	5
		Rate	8.3	—	—	—	—	—	—
Malta	1997-1999	No.	6	0	0	2	1	1	2
		Rate	—	—	—	—	—	—	—
Mauritius	1999	No.	70	2	3	29	26	7	3
		Rate	11.4	—	—	19.7	18.8	—	—
Mexico	1997	No.	2 022	109	236	825	467	195	190
		Rate	4.2	2.0	1.5	5.7	5.2	4.0	5.7
Netherlands	1999	No.	563	1	10	96	156	147	153
		Rate	6.1	—	—	6.3	8.3	9.6	9.4
New Zealand	1998	No.	159	2	7	58	51	22	19
		Rate	8.1	—	—	14.2	11.3	6.8	—
Nicaragua	1996	No.	124	2	18	71	17	10	6
		Rate	5.7	—	—	10.9	—	—	—
Norway	1997	No.	159	0	1	28	46	47	37
		Rate	6.4	—	—	6.3	9.7	12.1	7.5
Panama (excluding Canal Zone)	1997	No.	52	3	6	22	10	5	6
		Rate	3.7	—	—	5.9	—	—	—
Paraguay	1994	No.	69	2	4	25	19	9	10
		Rate	3.7	—	—	4.0	—	—	—

TABLE A.7 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Philippines	1993	No.	8 677	7 770	20	80	3 296	3 039	1 041	294
		Rate	15.9	28.5	0.4	0.6	34.9	53.4	35.4	20.0
Poland	1995	No.	6 619	5 364	12	82	944	1 919	1 485	922
		Rate	16.0	27.3	—	1.8	21.8	42.1	50.2	37.9
Portugal	1999	No.	671	494	3	4	70	98	85	234
		Rate	5.2	8.3	—	—	6.0	9.3	10.0	27.0
Puerto Rico	1998	No.	1 129	1 022	1	11	557	238	125	89
		Rate	28.6	53.7	—	—	112.6	65.2	45.1	38.1
Republic of Korea	1997	No.	7 061	4 794	17	71	1 141	1 646	1 125	794
		Rate	14.9	21.3	—	1.3	17.2	26.3	33.9	45.3
Republic of Moldova	1999	No.	999	794	4	15	150	255	221	149
		Rate	26.7	46.2	—	—	33.6	66.0	82.9	76.3
Romania	1999	No.	3 560	2 817	10	57	479	763	843	665
		Rate	14.1	23.3	—	2.6	17.2	32.3	44.5	37.2
Russian Federation	1998	No.	85 511	68 013	98	581	15 476	25 190	16 695	9 973
		Rate	53.7	91.9	2.9	4.0	95.7	146.3	143.5	111.7
Singapore	1998	No.	446	280	0	3	67	97	57	56
		Rate	13.9	17.4	—	—	19.3	21.4	21.3	37.2
Slovakia	1999	No.	825	680	0	5	111	208	215	141
		Rate	13.8	24.1	—	—	16.3	34.9	46.4	42.9
Slovenia	1999	No.	623	476	1	5	65	125	135	145
		Rate	26.0	42.4	—	—	29.5	55.0	68.8	97.7
Spain	1998	No.	3 620	2 757	2	9	561	636	489	1 060
		Rate	7.3	11.7	—	—	11.8	14.3	14.9	29.2
Saint Lucia	1993-1995	No.	21	17	0	0	9	5	2	1
		Rate	16.0	—	—	—	—	—	—	—
Sweden	1996	No.	1 367	947	0	1	147	239	274	286
		Rate	13.0	18.4	—	—	17.0	25.8	31.3	33.7
Switzerland	1996	No.	1 513	1 060	2	10	197	265	262	324
		Rate	17.8	26.5	—	—	28.5	30.8	38.6	55.7
Tajikistan	1995	No.	557	451	4	6	149	175	74	43
		Rate	13.7	22.4	—	—	19.6	37.2	36.3	28.7
Thailand	1994	No.	6 530	5 133	21	106	1 881	1 866	885	375
		Rate	11.6	18.5	0.8	1.3	20.6	29.9	27.7	19.5
The former Yugoslav Republic of Macedonia	1997	No.	202	153	0	1	18	53	31	50
		Rate	9.7	15.0	—	—	—	23.5	19.7	39.1
Trinidad and Tobago	1994	No.	313	243	0	4	82	78	52	27
		Rate	26.1	39.0	—	—	45.3	53.1	64.5	48.1
Turkmenistan	1998	No.	742	603	2	19	249	215	94	23
		Rate	18.9	31.4	—	—	38.1	47.9	53.0	20.1
Ukraine	1999	No.	20 762	16 255	28	148	2 862	5 133	4 710	3 373
		Rate	36.9	63.8	2.5	3.2	51.8	96.7	117.4	93.5
United Kingdom	1999	No.	4 920	3 803	20	34	886	1 329	868	666
		Rate	7.6	12.0	1.1	0.6	15.1	19.3	15.9	12.7
England and Wales	1999	No.	4 015	3 077	19	29	667	1 050	736	576
		Rate	6.9	10.8	—	0.6	12.9	17.2	15.2	12.3
Northern Ireland	1999	No.	145	123	0	1	49	50	15	8
		Rate	8.8	14.9	—	—	25.9	27.6	—	—

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Philippines	1993	No.	907	11	46	403	226	136	86
		Rate	3.3	—	0.4	4.4	4.0	4.6	4.7
Poland	1995	No.	1 255	14	25	168	379	301	368
		Rate	5.6	—	0.6	4.0	8.4	9.4	10.1
Portugal	1999	No.	177	3	8	18	33	25	90
		Rate	2.5	—	—	—	3.0	2.7	7.6
Puerto Rico	1998	No.	107	3	4	43	30	13	14
		Rate	5.1	—	—	8.9	7.2	—	—
Republic of Korea	1997	No.	2 267	19	72	663	690	363	460
		Rate	9.2	—	1.5	10.5	11.6	10.8	17.2
Republic of Moldova	1999	No.	205	5	11	28	49	48	64
		Rate	9.9	—	—	6.3	11.8	15.4	21.3
Romania	1999	No.	743	11	20	114	157	177	264
		Rate	5.5	—	1.0	4.2	6.7	8.8	11.1
Russian Federation	1998	No.	17 498	90	303	3 000	4 342	3 862	5 902
		Rate	19.2	2.8	2.2	19.3	24.8	28.6	34.5
Singapore	1998	No.	166	0	0	50	30	29	56
		Rate	10.4	—	—	14.5	6.7	11.1	32.4
Slovakia	1999	No.	145	0	1	18	42	40	44
		Rate	4.5	—	—	—	7.2	8.0	8.8
Slovenia	1999	No.	147	0	0	15	28	48	56
		Rate	11.4	—	—	—	12.3	24.6	24.6
Spain	1998	No.	863	1	5	122	174	162	399
		Rate	3.2	—	—	2.7	4.0	4.8	8.3
Saint Lucia	1993-1995	No.	3	0	0	2	0	0	0
		Rate	—	—	—	—	—	—	—
Sweden	1996	No.	420	3	8	48	90	132	139
		Rate	7.7	—	—	5.8	10.2	15.5	12.7
Switzerland	1996	No.	453	3	5	53	102	114	176
		Rate	9.9	—	—	7.7	12.2	16.9	21.8
Tajikistan	1995	No.	106	0	0	38	31	15	21
		Rate	5.3	—	—	5.0	6.4	—	11.0
Thailand	1994	No.	1 397	15	78	550	418	210	126
		Rate	4.9	—	1.0	6.2	6.7	6.3	5.3
The former Yugoslav Republic of Macedonia	1997	No.	49	0	1	6	18	5	19
		Rate	4.7	—	—	—	—	—	—
Trinidad and Tobago	1994	No.	70	2	2	33	19	6	8
		Rate	11.6	—	—	21.2	—	—	—
Turkmenistan	1998	No.	139	1	4	59	35	18	21
		Rate	7.1	—	—	9.1	7.6	—	13.5
Ukraine	1999	No.	4 507	22	72	559	983	1 100	1 771
		Rate	13.6	2.0	1.6	10.5	17.7	22.9	27.4
United Kingdom	1999	No.	1 117	7	14	195	330	261	310
		Rate	3.2	—	—	3.5	4.9	4.7	4.5
England and Wales	1999	No.	938	7	13	152	272	219	275
		Rate	3.0	—	—	3.1	4.6	4.5	4.5
Northern Ireland	1999	No.	22	0	0	11	8	1	2
		Rate	2.7	—	—	—	—	—	—

TABLE A.7 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Scotland	1999	No.	760	603	1	4	170	229	117	82
		Rate	14.1	22.9	—	—	33.4	38.7	25.3	18.7
United States of America	1998	No.	49 586	38 974	396	894	12 511	11 688	6 885	6 600
		Rate	17.4	28.3	4.1	3.0	44.2	36.4	30.1	34.6
Uruguay	1990	No.	457	357	1	5	64	90	86	111
		Rate	14.0	23.5	—	—	17.8	31.5	36.7	50.3
Uzbekistan	1998	No.	2 414	1 821	2	73	585	690	315	156
		Rate	12.1	19.0	—	1.6	17.6	29.7	33.0	22.2
Venezuela	1994	No.	4 704	4 254	16	104	2 435	1 109	357	232
		Rate	23.2	42.0	—	2.6	80.8	53.1	33.4	38.6

Source: WHO mortality database as of September 2001.

<sup>a</sup> Intentional injury = ICD-10 X60–Y09, Y35, Y36 (ICD-9 E950–E978, E990–E999).

<sup>b</sup> Or average of the three most recent years available between 1990 and 2000 for countries with populations under 1 million.

<sup>c</sup> No. = number of deaths; rate = number of deaths per 100 000 population. Deaths where the age of the deceased person was not known were proportionally distributed across age groups based on the distribution of intentional injury deaths in the population. The numbers of deaths have therefore been rounded to the nearest whole number. Any apparent discrepancy in the total sums is due to rounding. The rate was not calculated if fewer than 20 deaths were reported. The population counts on which the rates are based are available from the World Health Organization at <http://www3.who.int/whosis/whsa/ftp/download.htm>.

<sup>d</sup> Age-standardized.

<sup>e</sup> Combined total for males and females.

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Scotland	1999	No.	157	0	1	32	50	41	33
		Rate	5.4	—	—	6.5	8.4	8.5	5.4
United States of America	1998	No.	10 612	326	613	2 297	3 524	2 170	1 682
		Rate	7.1	3.5	2.2	8.3	10.8	9.0	6.6
Uruguay	1990	No.	100	2	6	25	14	13	39
		Rate	5.6	—	—	7.1	—	—	13.6
Uzbekistan	1998	No.	593	2	17	266	147	77	84
		Rate	5.7	—	—	8.1	6.2	7.8	8.7
Venezuela	1994	No.	450	16	43	202	116	38	35
		Rate	4.4	—	1.1	6.9	5.6	3.5	5.1

TABLE A.8

Mortality caused by homicide,<sup>a</sup> by sex, age group and country, most recent year available between 1990 and 2000<sup>b</sup>

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Albania	1998	No.	660	573	2	9	286	165	84	27
		Rate	21.0	38.7	—	—	79.9	45.5	37.2	19.4
Argentina	1996	No.	1 611	1 347	37	35	514	371	239	152
		Rate	4.7	8.1	2.1	1.0	11.5	11.3	9.9	7.6
Armenia	1999	No.	98	77	2	1	20	29	16	9
		Rate	2.6	4.2	—	—	4.1	6.7	—	—
Australia	1998	No.	295	201	9	8	59	66	42	17
		Rate	1.6	2.1	—	—	2.8	3.1	2.5	—
Austria	1999	No.	68	32	3	2	3	15	4	5
		Rate	0.8	0.8	—	—	—	—	—	—
Azerbaijan	1999	No.	375	323	0	10	176	86	32	19
		Rate	5.0	8.7	—	—	16.6	10.1	8.5	—
Bahamas	1995-1997	No.	43	37	1	1	20	10	3	2
		Rate	14.9	26.1	—	—	48.4	—	—	—
Belarus	1999	No.	1 123	784	3	2	203	303	171	102
		Rate	10.5	15.6	—	—	18.2	26.2	22.1	15.1
Belgium	1995	No.	169	100	3	1	24	34	22	16
		Rate	1.6	1.9	—	—	2.3	2.9	2.5	—
Brazil	1995	No.	37 076	33 751	99	436	18 400	10 352	3 393	1 071
		Rate	23.0	42.5	1.2	2.5	81.2	61.9	38.7	20.9
Bulgaria	1999	No.	238	174	4	1	38	47	48	36
		Rate	2.6	4.0	—	—	4.1	5.6	6.1	4.6
Canada	1997	No.	431	285	14	12	100	76	48	35
		Rate	1.4	1.9	—	—	3.2	2.0	1.8	1.6
Chile	1994	No.	410	356	10	4	125	118	58	41
		Rate	3.0	5.4	—	—	6.7	7.7	6.7	7.2
China										
Hong Kong SAR	1996	No.	63	39	5	3	8	10	3	9
		Rate	1.0	1.3	—	—	—	—	—	—
Selected urban and rural areas	1999	No.	2 405	1 655	16	44	514	684	264	133
		Rate	1.8	2.5	—	0.5	3.0	4.4	2.8	2.0
Colombia	1995	No.	23 443	21 705	56	239	11 730	7 039	2 016	625
		Rate	61.6	116.8	2.3	5.5	212.5	185.1	109.7	55.2
Costa Rica	1995	No.	179	153	3	1	57	62	22	7
		Rate	5.4	9.3	—	—	11.5	16.6	12.2	—
Croatia	1999	No.	128	95	1	1	17	33	22	21
		Rate	2.6	4.0	—	—	—	6.3	5.6	6.4
Cuba	1997	No.	747	584	7	5	263	210	63	36
		Rate	6.2	9.6	—	—	18.4	16.0	7.2	5.3
Czech Republic	1999	No.	151	97	3	1	22	36	27	8
		Rate	1.4	1.8	—	—	1.8	3.4	2.5	—
Denmark	1996	No.	59	36	2	1	12	14	4	3
		Rate	1.1	1.4	—	—	—	—	—	—
Ecuador	1996	No.	1 632	1 501	5	21	684	535	178	78
		Rate	15.3	28.2	—	1.5	39.8	48.7	31.5	21.8
El Salvador	1993	No.	2 480	2 290	8	35	1 043	659	344	201
		Rate	55.6	108.4	—	5.1	133.1	165.4	139.5	122.7
Estonia	1999	No.	227	168	2	0	29	59	56	23
		Rate	14.8	23.1	—	—	18.0	38.4	46.3	22.2
Finland	1998	No.	125	90	1	1	15	38	22	13
		Rate	2.2	3.3	—	—	—	6.5	4.0	—
France	1998	No.	436	269	14	12	56	80	75	32
		Rate	0.7	0.9	—	—	0.9	1.2	1.4	0.6

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥ 60 years
Albania	1998	No.	87	4	3	31	30	12	6
		Rate	5.3	—	—	7.2	8.3	—	—
Argentina	1996	No.	264	36	15	86	63	30	35
		Rate	1.5	2.1	—	2.0	1.9	1.2	1.3
Armenia	1999	No.	21	0	2	3	6	5	5
		Rate	1.0	—	—	—	—	—	—
Australia	1998	No.	94	10	1	26	26	15	16
		Rate	1.0	—	—	1.3	1.2	—	—
Austria	1999	No.	36	3	0	4	16	8	5
		Rate	0.8	—	—	—	—	—	—
Azerbaijan	1999	No.	52	1	2	12	19	9	9
		Rate	1.4	—	—	—	—	—	—
Bahamas	1995-1997	No.	7	0	1	2	3	1	0
		Rate	—	—	—	—	—	—	—
Belarus	1999	No.	339	3	6	60	102	78	90
		Rate	5.8	—	—	5.5	8.6	8.8	7.3
Belgium	1995	No.	69	3	3	12	24	9	18
		Rate	1.2	—	—	—	2.1	—	—
Brazil	1995	No.	3 325	85	183	1 484	1 089	308	177
		Rate	4.1	1.1	1.1	6.5	6.3	3.3	2.8
Bulgaria	1999	No.	64	1	1	12	13	15	22
		Rate	1.3	—	—	—	—	—	2.2
Canada	1997	No.	146	10	10	33	48	25	20
		Rate	1.0	—	—	1.1	1.3	0.9	0.7
Chile	1994	No.	54	5	3	17	17	5	7
		Rate	0.8	—	—	—	—	—	—
China									
Hong Kong SAR	1996	No.	24	4	4	4	9	3	0
		Rate	0.8	—	—	—	—	—	—
Selected urban and rural areas	1999	No.	750	19	37	218	283	117	76
		Rate	1.2	—	0.4	1.4	1.9	1.3	1.0
Colombia	1995	No.	1 738	33	106	827	511	189	72
		Rate	9.0	1.4	2.5	15.0	12.6	9.4	5.2
Costa Rica	1995	No.	26	1	2	15	7	1	0
		Rate	1.4	—	—	—	—	—	—
Croatia	1999	No.	33	1	1	3	7	9	12
		Rate	1.2	—	—	—	—	—	—
Cuba	1997	No.	163	4	4	78	55	13	9
		Rate	2.7	—	—	5.7	4.2	—	—
Czech Republic	1999	No.	54	4	2	14	9	13	12
		Rate	1.0	—	—	—	—	—	—
Denmark	1996	No.	23	1	0	7	7	5	3
		Rate	0.8	—	—	—	—	—	—
Ecuador	1996	No.	131	5	5	54	40	9	18
		Rate	2.5	—	—	3.2	3.7	—	—
El Salvador	1993	No.	190	3	4	72	56	34	20
		Rate	8.4	—	—	8.8	12.4	12.9	9.8
Estonia	1999	No.	59	3	1	4	19	21	11
		Rate	7.4	—	—	—	—	14.4	—
Finland	1998	No.	35	1	0	3	12	14	5
		Rate	1.2	—	—	—	—	—	—
France	1998	No.	167	8	6	31	42	41	39
		Rate	0.5	—	—	0.5	0.6	0.8	0.6

TABLE A.8 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Germany	1999	No.	720	418	27	12	95	127	101	56
		Rate	0.9	1.0	1.3	—	1.3	1.2	1.3	0.7
Greece	1998	No.	144	109	1	0	21	38	31	18
		Rate	1.2	1.9	—	—	1.8	3.4	3.3	—
Guyana	1994-1996	No.	42	35	0	0	14	12	6	3
		Rate	6.6	11.8	—	—	—	—	—	—
Hungary	1999	No.	291	170	4	4	19	54	58	31
		Rate	2.6	3.2	—	—	—	5.3	6.0	4.1
Ireland	1997	No.	30	21	1	0	8	6	5	1
		Rate	0.8	1.2	—	—	—	—	—	—
Israel	1997	No.	30	24	0	0	11	8	3	2
		Rate	0.5	0.9	—	—	—	—	—	—
Italy	1997	No.	720	561	0	6	170	207	101	77
		Rate	1.1	1.8	—	—	2.7	3.2	1.9	1.4
Japan	1997	No.	719	435	32	19	72	80	132	99
		Rate	0.6	0.7	1.1	—	0.5	0.7	1.0	0.8
Kazakhstan	1999	No.	2 448	1 841	14	17	483	738	380	209
		Rate	17.1	27.4	—	—	24.8	45.5	42.4	36.1
Kuwait	1999	No.	39	26	1	1	9	12	2	1
		Rate	2.2	2.4	—	—	—	—	—	—
Kyrgyzstan	1999	No.	341	266	1	3	63	110	59	30
		Rate	8.6	14.2	—	—	9.4	22.7	28.7	18.8
Latvia	1999	No.	308	213	0	0	47	69	61	36
		Rate	11.6	17.3	—	—	18.0	26.0	30.4	20.9
Lithuania	1999	No.	297	209	2	3	45	72	55	32
		Rate	7.5	11.3	—	—	11.0	17.2	19.2	12.9
Mauritius	1999	No.	33	19	2	0	3	9	2	3
		Rate	2.9	—	—	—	—	—	—	—
Mexico	1997	No.	13 542	12 170	129	224	5 281	3 810	1 751	975
		Rate	15.9	29.6	2.3	2.1	37.1	44.9	38.3	34.4
Netherlands	1999	No.	203	144	4	4	36	58	31	11
		Rate	1.3	1.7	—	—	2.3	3.0	2.0	—
New Zealand	1998	No.	57	32	5	2	10	6	6	3
		Rate	1.5	1.7	—	—	—	—	—	—
Nicaragua	1996	No.	285	246	2	5	117	66	37	19
		Rate	8.4	15.1	—	—	18.2	19.3	23.3	—
Norway	1997	No.	41	28	1	2	7	11	6	1
		Rate	0.9	1.3	—	—	—	—	—	—
Panama (excluding Canal Zone)	1997	No.	293	265	5	2	136	75	29	18
		Rate	10.9	19.8	—	—	35.3	27.1	18.5	—
Paraguay	1994	No.	459	420	3	4	171	144	61	37
		Rate	12.6	23.4	—	—	26.8	33.0	31.9	35.9
Philippines	1993	No.	7 726	7 181	20	59	3 020	2 845	977	260
		Rate	14.2	26.4	0.4	0.7	31.9	49.9	33.2	17.7
Poland	1995	No.	1 088	785	12	10	132	292	211	128
		Rate	2.7	4.0	—	—	3.0	6.4	7.1	5.3
Portugal	1999	No.	118	82	3	0	30	19	14	16
		Rate	1.1	1.6	—	—	2.6	—	—	—
Puerto Rico	1998	No.	804	731	1	7	500	149	59	15
		Rate	20.6	38.1	—	—	101.0	40.8	21.3	—
Republic of Korea	1997	No.	987	602	17	23	168	243	112	39
		Rate	2.0	2.4	—	0.7	2.5	3.9	3.4	2.2
Republic of Moldova	1999	No.	410	307	4	5	78	106	65	49
		Rate	11.2	18.0	—	—	17.5	27.4	24.4	25.1



Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Germany	1999	No.	302	16	17	53	98	58	60
		Rate	0.7	—	—	0.7	1.0	0.7	0.5
Greece	1998	No.	35	0	0	4	6	9	16
		Rate	0.5	—	—	—	—	—	—
Guyana	1994-1996	No.	7	0	0	3	3	1	0
		Rate	—	—	—	—	—	—	—
Hungary	1999	No.	121	5	3	19	35	23	36
		Rate	2.0	—	—	—	3.4	2.2	3.0
Ireland	1997	No.	9	1	0	2	1	3	2
		Rate	—	—	—	—	—	—	—
Israel	1997	No.	6	0	0	2	3	0	1
		Rate	—	—	—	—	—	—	—
Italy	1997	No.	159	2	6	36	28	27	60
		Rate	0.5	—	—	0.6	0.4	0.5	0.8
Japan	1997	No.	284	42	21	37	29	64	91
		Rate	0.4	1.5	0.3	0.3	0.2	0.5	0.6
Kazakhstan	1999	No.	607	2	19	130	184	117	156
		Rate	7.9	—	—	6.8	11.0	11.2	15.4
Kuwait	1999	No.	13	0	0	4	7	1	1
		Rate	—	—	—	—	—	—	—
Kyrgyzstan	1999	No.	75	5	3	22	17	12	16
		Rate	3.5	—	—	3.4	—	—	—
Latvia	1999	No.	95	3	3	8	31	23	27
		Rate	6.6	—	—	—	11.5	9.5	8.3
Lithuania	1999	No.	88	5	3	10	21	16	33
		Rate	4.0	—	—	—	5.0	—	7.7
Mauritius	1999	No.	14	2	1	1	6	2	2
		Rate	—	—	—	—	—	—	—
Mexico	1997	No.	1 372	110	97	496	360	148	161
		Rate	3.1	2.0	0.9	3.4	4.0	3.0	4.8
Netherlands	1999	No.	59	1	4	21	16	7	10
		Rate	0.8	—	—	1.4	—	—	—
New Zealand	1998	No.	25	2	1	9	11	2	0
		Rate	1.3	—	—	—	—	—	—
Nicaragua	1996	No.	39	2	4	16	7	6	4
		Rate	2.2	—	—	—	—	—	—
Norway	1997	No.	13	0	1	3	3	4	2
		Rate	—	—	—	—	—	—	—
Panama (excluding Canal Zone)	1997	No.	28	3	3	13	5	1	3
		Rate	2.0	—	—	—	—	—	—
Paraguay	1994	No.	39	2	0	16	10	6	5
		Rate	2.2	—	—	—	—	—	—
Philippines	1993	No.	545	11	33	173	160	108	59
		Rate	2.1	—	0.4	1.9	2.8	3.6	3.3
Poland	1995	No.	303	14	5	46	93	56	89
		Rate	1.4	—	—	1.1	2.1	1.8	2.4
Portugal	1999	No.	36	3	2	6	10	9	6
		Rate	0.7	—	—	—	—	—	—
Puerto Rico	1998	No.	73	3	1	33	23	7	6
		Rate	3.7	—	—	6.8	5.6	—	—
Republic of Korea	1997	No.	385	19	19	100	141	59	47
		Rate	1.6	—	—	1.6	2.4	1.8	1.8
Republic of Moldova	1999	No.	103	4	6	13	31	19	30
		Rate	5.2	—	—	—	7.5	—	10.0

TABLE A.8 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Romania	1999	No.	803	572	10	12	122	164	140	124
		Rate	3.3	4.8	—	—	4.4	6.9	7.4	6.9
Russian Federation	1998	No.	33 553	25 130	99	147	6 067	10 595	5 792	2 429
		Rate	21.6	34.0	2.9	1.3	37.5	61.5	49.8	27.2
Singapore	1998	No.	45	29	0	0	9	13	5	2
		Rate	1.3	1.7	—	—	—	—	—	—
Slovakia	1999	No.	132	89	0	0	21	38	18	12
		Rate	2.3	3.2	—	—	3.1	6.4	—	—
Slovenia	1999	No.	30	20	1	0	3	6	7	3
		Rate	1.3	1.8	—	—	—	—	—	—
Spain	1998	No.	355	255	2	3	70	91	50	39
		Rate	0.8	1.2	—	—	1.5	2.1	1.5	1.1
Sweden	1996	No.	110	74	0	0	11	28	21	14
		Rate	1.2	1.5	—	—	—	3.0	2.4	—
Switzerland	1996	No.	77	48	2	4	10	17	11	4
		Rate	1.1	1.4	—	—	—	—	—	—
Tajikistan	1995	No.	354	301	4	2	107	129	38	21
		Rate	8.5	14.3	—	—	14.0	27.4	18.6	14.0
Thailand	1994	No.	4 161	3 481	21	83	1 138	1 394	628	217
		Rate	7.5	12.6	0.8	1.4	12.5	22.3	19.7	11.3
The former Yugoslav Republic of Macedonia	1997	No.	47	38	0	0	5	19	7	7
		Rate	2.2	3.7	—	—	—	—	—	—
Trinidad and Tobago	1994	No.	146	108	0	2	39	35	23	9
		Rate	12.1	17.1	—	—	21.6	23.8	28.5	—
Turkmenistan	1998	No.	333	279	2	2	116	114	32	12
		Rate	8.6	14.6	—	—	17.8	25.5	18.2	—
Ukraine	1999	No.	6 260	4 421	28	41	941	1 674	1 196	541
		Rate	11.7	17.8	2.5	1.2	17.0	31.6	29.8	15.0
United Kingdom	1999	No.	440	335	20	10	108	109	60	28
		Rate	0.8	1.2	1.1	—	1.8	1.6	1.1	0.5
England and Wales	1999	No.	295	214	19	8	68	61	34	24
		Rate	0.6	0.9	—	—	1.3	1.0	0.7	0.5
Northern Ireland	1999	No.	24	20	0	1	4	11	3	1
		Rate	1.4	2.4	—	—	—	—	—	—
Scotland	1999	No.	121	101	1	1	36	37	23	3
		Rate	2.4	4.1	—	—	7.1	6.3	5.0	—
United States of America	1998	No.	17 893	13 652	396	257	6 670	3 984	1 609	736
		Rate	6.9	10.7	4.1	1.3	23.6	12.4	7.0	3.9
Uruguay	1990	No.	136	105	1	1	22	36	22	24
		Rate	4.4	7.1	—	—	6.0	12.6	9.2	10.8
Uzbekistan	1998	No.	790	567	2	18	178	222	100	47
		Rate	4.1	6.0	—	—	5.3	9.6	10.5	6.7
Venezuela	1994	No.	3 353	3 120	15	60	1 926	787	232	100
		Rate	16.0	29.7	—	2.3	63.9	37.7	21.7	16.7

Source: WHO mortality database as of September 2001.

<sup>a</sup> Homicide = ICD-10 X85–Y09 (ICD-9 E960–E969).

<sup>b</sup> Or average of the three most recent years available between 1990 and 2000 for countries with populations under 1 million.

<sup>c</sup> No. = number of deaths; rate = number of deaths per 100 000 population. Deaths where the age of the deceased person was not known were proportionally distributed across age groups based on the distribution of homicides in the population. The numbers of deaths have therefore been rounded to the nearest whole number. Any apparent discrepancy in the total sums is due to rounding. The rate was not calculated if fewer than 20 deaths were reported. The population counts on which the rates are based are available from the World Health Organization at <http://www3.who.int/whosis/whsa/ftp/download.htm>.

<sup>d</sup> Age-standardized.

<sup>e</sup> Combined total for males and females.

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Romania	1999	No.	231	11	5	37	56	48	74
		Rate	1.8	—	—	1.4	2.4	2.4	3.1
Russian Federation	1998	No.	8 423	90	135	1 632	2 452	1 907	2 207
		Rate	9.8	2.8	1.3	10.5	14.0	14.1	12.9
Singapore	1998	No.	16	0	0	5	4	3	3
		Rate	—	—	—	—	—	—	—
Slovakia	1999	No.	43	0	1	4	14	11	13
		Rate	1.4	—	—	—	—	—	—
Slovenia	1999	No.	10	0	0	1	4	0	5
		Rate	—	—	—	—	—	—	—
Spain	1998	No.	100	1	0	24	22	15	38
		Rate	0.4	—	—	0.5	0.5	—	0.8
Sweden	1996	No.	36	3	3	5	14	6	5
		Rate	0.8	—	—	—	—	—	—
Switzerland	1996	No.	29	3	2	6	5	4	9
		Rate	0.8	—	—	—	—	—	—
Tajikistan	1995	No.	53	0	0	16	18	7	11
		Rate	2.8	—	—	—	—	—	—
Thailand	1994	No.	680	15	62	208	216	109	71
		Rate	2.5	—	1.1	2.4	3.4	3.3	3.0
The former Yugoslav Republic of Macedonia	1997	No.	9	0	1	0	5	1	2
		Rate	—	—	—	—	—	—	—
Trinidad and Tobago	1994	No.	38	2	0	15	11	5	5
		Rate	6.6	—	—	—	—	—	—
Turkmenistan	1998	No.	54	1	0	13	21	8	11
		Rate	3.0	—	—	—	4.5	—	—
Ukraine	1999	No.	1 839	22	36	285	500	454	541
		Rate	6.1	2.0	1.1	5.3	9.0	9.5	8.4
United Kingdom	1999	No.	105	7	6	26	38	15	13
		Rate	0.4	—	—	0.5	0.6	—	—
England and Wales	1999	No.	81	7	6	19	28	11	10
		Rate	0.3	—	—	—	0.5	—	—
Northern Ireland	1999	No.	4	0	0	2	2	0	0
		Rate	—	—	—	—	—	—	—
Scotland	1999	No.	20	0	0	5	8	4	3
		Rate	0.7	—	—	—	—	—	—
United States of America	1998	No.	4 241	327	202	1 268	1 446	542	457
		Rate	3.1	3.5	1.1	4.6	4.4	2.2	1.8
Uruguay	1990	No.	31	2	1	12	5	2	9
		Rate	1.9	—	—	—	—	—	—
Uzbekistan	1998	No.	223	2	8	58	67	49	39
		Rate	2.4	—	—	1.8	2.8	4.9	4.0
Venezuela	1994	No.	233	16	18	103	67	14	15
		Rate	2.3	—	—	3.5	3.2	—	—

TABLE A.9

Mortality caused by suicide,<sup>a</sup> by sex, age group and country, most recent year available between 1990 and 2000<sup>b</sup>

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Albania	1998	No.	165	104	0	2	46	28	18	10
		Rate	5.3	7.1	—	—	12.7	7.8	—	—
Argentina	1996	No.	2 245	1 709	0	14	402	328	442	523
		Rate	6.5	10.6	—	—	9.0	10.0	18.3	26.3
Armenia	1999	No.	67	49	0	0	9	16	11	13
		Rate	1.7	2.6	—	—	—	—	—	—
Australia	1998	No.	2 633	2 108	0	6	666	732	393	311
		Rate	13.3	21.4	—	—	31.7	34.1	23.2	22.7
Austria	1999	No.	1 555	1 126	0	2	171	289	275	389
		Rate	15.5	24.2	—	—	21.7	28.2	36.1	59.7
Azerbaijan	1999	No.	54	44	0	0	9	21	9	5
		Rate	0.8	1.3	—	—	—	2.5	—	—
Belarus	1999	No.	3 408	2 877	0	22	552	923	797	583
		Rate	30.9	56.9	—	2.9	49.4	79.7	103.4	86.3
Belgium	1995	No.	2 155	1 550	0	10	252	471	373	444
		Rate	17.9	27.1	—	—	24.3	39.9	41.9	48.7
Bosnia and Herzegovina	1991	No.	531	457	0	15	167	151	83	41
		Rate	11.3	19.4	—	—	27.0	29.4	22.9	20.4
Brazil	1995	No.	6 584	5 174	0	38	1 812	1 649	935	740
		Rate	4.7	7.6	—	0.2	8.0	9.9	10.7	14.4
Bulgaria	1999	No.	1 307	965	0	7	118	180	245	415
		Rate	12.3	19.6	—	—	12.8	21.5	30.9	53.3
Canada	1997	No.	3 681	2 914	0	39	682	1 010	708	475
		Rate	11.3	18.1	—	1.9	21.6	26.3	26.8	22.1
Chile	1994	No.	801	704	0	2	240	211	133	118
		Rate	6.1	11.1	—	—	12.9	13.8	15.5	20.9
China										
Hong Kong SAR	1996	No.	788	501	0	6	96	168	99	131
		Rate	11.2	14.6	—	—	13.8	18.5	19.4	31.2
Selected urban and rural areas	1999	No.	16 836	8 048	0	83	1 252	2 018	1 680	3 015
		Rate	13.7	13.5	—	0.9	7.2	12.9	17.9	45.7
Colombia	1995	No.	1 172	905	0	15	427	230	123	110
		Rate	3.4	5.5	—	—	7.7	6.1	6.7	9.7
Costa Rica	1995	No.	211	174	0	5	66	61	27	14
		Rate	6.6	10.9	—	—	13.4	16.4	14.8	—
Croatia	1999	No.	989	716	0	5	112	170	171	258
		Rate	18.5	30.2	—	—	23.2	32.5	43.2	79.1
Cuba	1997	No.	2 029	1 401	0	5	235	355	310	496
		Rate	17.1	23.8	—	—	16.4	27.1	35.3	72.6
Czech Republic	1999	No.	1 610	1 285	0	3	223	298	399	362
		Rate	13.0	22.3	—	—	18.1	28.2	37.1	48.1
Denmark	1996	No.	892	631	0	1	80	163	180	207
		Rate	13.6	20.2	—	—	14.5	27.4	33.8	46.5
Ecuador	1996	No.	593	396	0	7	188	107	56	38
		Rate	5.5	7.8	—	—	10.9	9.7	9.9	10.5
El Salvador	1993	No.	429	276	0	4	168	56	26	21
		Rate	8.5	12.1	—	—	21.5	14.0	10.7	13.0
Estonia	1999	No.	469	376	0	2	73	97	111	92
		Rate	28.1	50.9	—	—	45.5	63.6	92.5	90.3
Finland	1998	No.	1 228	962	0	3	173	296	290	200
		Rate	21.1	34.0	—	—	35.1	50.8	53.2	49.6

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Albania	1998	No.	61	0	1	42	9	4	4
		Rate	3.6	—	—	9.7	—	—	—
Argentina	1996	No.	536	0	9	129	113	130	155
		Rate	3.0	—	—	2.9	3.3	5.1	5.8
Armenia	1999	No.	18	0	0	0	4	3	11
		Rate	—	—	—	—	—	—	—
Australia	1998	No.	525	0	2	135	183	103	101
		Rate	5.2	—	—	6.6	8.5	6.3	6.1
Austria	1999	No.	429	0	1	46	85	101	196
		Rate	7.6	—	—	6.0	8.6	13.2	20.1
Azerbaijan	1999	No.	10	0	0	2	3	3	2
		Rate	—	—	—	—	—	—	—
Belarus	1999	No.	531	0	4	83	113	142	189
		Rate	8.5	—	—	7.7	9.5	16.1	15.4
Belgium	1995	No.	605	0	3	61	171	147	223
		Rate	9.4	—	—	6.1	14.9	16.5	17.8
Bosnia and Herzegovina	1991	No.	74	0	4	19	17	16	18
		Rate	3.3	—	—	—	—	—	—
Brazil	1995	No.	1 410	0	36	496	430	258	190
		Rate	1.9	—	0.2	2.2	2.5	2.7	3.1
Bulgaria	1999	No.	342	0	3	32	51	71	185
		Rate	5.8	—	—	3.6	6.1	8.4	18.5
Canada	1997	No.	767	0	12	156	255	208	136
		Rate	4.6	—	—	5.1	6.7	7.8	5.0
Chile	1994	No.	97	0	4	33	25	20	15
		Rate	1.4	—	—	1.8	1.6	2.2	—
China									
Hong Kong SAR	1996	No.	287	0	5	61	74	36	110
		Rate	7.9	—	—	8.5	7.9	8.2	23.4
Selected urban and rural areas	1999	No.	8 788	0	64	1 899	2 304	1 640	2 881
		Rate	14.0	—	0.8	11.8	15.6	18.3	39.5
Colombia	1995	No.	267	0	10	153	63	29	11
		Rate	1.4	—	—	2.8	1.6	1.4	—
Costa Rica	1995	No.	37	0	1	16	12	6	1
		Rate	2.3	—	—	—	—	—	—
Croatia	1999	No.	273	0	1	18	41	65	148
		Rate	8.6	—	—	—	8.1	15.0	28.8
Cuba	1997	No.	628	0	6	130	157	151	184
		Rate	10.6	—	—	9.5	11.9	16.6	25.1
Czech Republic	1999	No.	325	0	0	40	55	86	144
		Rate	4.7	—	—	3.4	5.4	7.7	12.9
Denmark	1996	No.	261	0	0	14	66	85	96
		Rate	7.5	—	—	—	11.6	16.2	16.3
Ecuador	1996	No.	197	0	17	130	30	14	6
		Rate	3.2	—	—	7.7	2.7	—	—
El Salvador	1993	No.	153	0	13	103	18	11	8
		Rate	5.3	—	—	12.5	—	—	—
Estonia	1999	No.	93	0	0	10	17	22	44
		Rate	8.9	—	—	—	—	15.3	23.4
Finland	1998	No.	266	0	2	40	65	85	74
		Rate	8.8	—	—	8.5	11.6	15.8	12.3

TABLE A.9 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
France	1998	No.	10 534	7 771	0	10	1 036	2 278	1 863	2 584
		Rate	14.8	23.2	—	—	16.9	35.3	35.3	51.0
Georgia	1992	No.	204	151	0	0	35	37	29	50
		Rate	3.9	6.4	—	—	6.4	7.4	8.3	16.9
Germany	1999	No.	11 160	8 082	0	26	1 087	2 221	2 032	2 716
		Rate	10.6	16.7	—	0.6	14.6	21.3	25.6	35.6
Greece	1998	No.	403	315	0	0	61	69	69	116
		Rate	3.1	4.9	—	—	5.2	6.1	7.3	10.7
Guyana	1994-1996	No.	84	64	0	0	28	20	10	5
		Rate	12.5	20.5	—	—	24.6	30.2	—	—
Hungary	1999	No.	3 328	2 550	0	11	283	693	815	749
		Rate	26.9	45.7	—	—	24.3	67.5	84.5	98.2
Iceland	1994-1996	No.	28	24	0	0	8	6	5	4
		Rate	10.4	17.5	—	—	—	—	—	—
Ireland	1997	No.	466	376	0	4	148	112	71	41
		Rate	12.5	20.4	—	—	32.0	29.6	24.1	16.5
Israel	1997	No.	379	301	0	2	95	70	44	90
		Rate	6.5	10.8	—	—	12.8	12.9	11.4	26.9
Italy	1997	No.	4 694	3 547	0	5	578	726	772	1 466
		Rate	6.2	9.9	—	—	9.3	11.4	14.3	26.0
Japan	1997	No.	23 502	15 906	0	34	1 964	3 064	5 829	5 015
		Rate	14.5	20.7	—	0.5	14.4	25.4	42.2	42.3
Kazakhstan	1999	No.	4 004	3 340	0	49	963	1 172	711	445
		Rate	27.9	50.3	—	3.2	49.4	72.2	79.3	76.9
Kuwait	1999	No.	47	34	0	1	11	21	1	0
		Rate	1.5	1.8	—	—	—	4.3	—	—
Kyrgyzstan	1999	No.	559	460	0	12	138	162	94	54
		Rate	14.0	23.9	—	—	20.6	33.5	45.6	34.0
Latvia	1999	No.	764	593	0	1	85	187	185	135
		Rate	27.0	47.1	—	—	32.5	70.4	92.1	78.3
Lithuania	1999	No.	1 552	1 287	0	8	237	410	413	219
		Rate	38.4	69.2	—	—	57.8	97.9	144.1	88.1
Luxembourg	1995-1997	No.	72	53	0	0	8	16	14	15
		Rate	14.7	22.5	—	—	—	—	—	—
Mauritius	1999	No.	174	120	0	1	35	56	20	8
		Rate	14.3	19.7	—	—	23.0	38.7	25.0	—
Mexico	1997	No.	3 369	2 828	0	81	1 350	731	365	300
		Rate	3.9	6.9	—	0.8	9.5	8.6	8.0	10.6
Netherlands	1999	No.	1 517	1 015	0	7	165	321	276	246
		Rate	8.3	11.3	—	—	10.5	16.5	17.5	20.0
New Zealand	1998	No.	574	442	0	9	170	126	71	66
		Rate	15.0	23.6	—	—	41.5	29.4	22.1	25.3
Nicaragua	1996	No.	230	147	0	6	76	41	13	11
		Rate	5.9	8.4	—	—	11.8	12.0	—	—
Norway	1997	No.	533	387	0	3	87	103	85	109
		Rate	10.9	16.1	—	—	18.8	20.8	21.1	29.3
Panama (excluding Canal Zone)	1997	No.	145	124	0	1	48	46	15	14
		Rate	5.8	9.8	—	—	12.5	16.7	—	—
Paraguay	1994	No.	109	82	0	4	30	18	14	15
		Rate	3.2	5.1	—	—	4.8	—	—	—
Philippines	1993	No.	851	509	0	0	256	163	59	31
		Rate	1.5	1.9	—	—	2.7	2.9	2.0	2.1

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
France	1998	No.	2 763	0	9	277	679	740	1 058
		Rate	7.4	—	—	4.6	10.4	14.0	15.3
Georgia	1992	No.	53	0	0	11	13	9	20
		Rate	1.9	—	—	—	—	—	4.4
Germany	1999	No.	3 078	0	9	250	587	725	1 507
		Rate	5.1	—	—	3.5	6.0	9.2	13.7
Greece	1998	No.	88	0	1	11	20	28	28
		Rate	1.4	—	—	—	1.8	2.9	2.1
Guyana	1994–1996	No.	20	0	1	10	5	3	1
		Rate	5.6	—	—	—	—	—	—
Hungary	1999	No.	778	0	1	54	138	199	386
		Rate	10.7	—	—	4.8	13.5	18.6	31.8
Iceland	1994–1996	No.	5	0	0	1	0	1	2
		Rate	—	—	—	—	—	—	—
Ireland	1997	No.	90	0	0	24	23	21	22
		Rate	4.7	—	—	5.4	5.9	7.3	7.1
Israel	1997	No.	78	0	0	12	20	7	39
		Rate	2.4	—	—	—	3.5	—	9.0
Italy	1997	No.	1 147	0	6	137	224	252	528
		Rate	2.9	—	—	2.3	3.5	4.5	7.0
Japan	1997	No.	7 596	0	19	866	1 110	2 013	3 588
		Rate	8.5	—	—	6.6	9.4	14.4	23.2
Kazakhstan	1999	No.	664	0	10	187	163	136	167
		Rate	8.7	—	—	9.8	9.7	13.1	16.6
Kuwait	1999	No.	13	0	0	2	11	0	0
		Rate	—	—	—	—	—	—	—
Kyrgyzstan	1999	No.	99	0	2	34	22	9	32
		Rate	4.7	—	—	5.2	4.5	—	13.9
Latvia	1999	No.	171	0	0	19	32	43	76
		Rate	10.0	—	—	—	11.9	17.9	23.5
Lithuania	1999	No.	265	0	1	34	57	71	102
		Rate	11.2	—	—	8.5	13.4	20.9	23.7
Luxembourg	1995–1997	No.	19	0	0	3	7	5	5
		Rate	—	—	—	—	—	—	—
Mauritius	1999	No.	54	0	0	28	20	5	1
		Rate	8.9	—	—	19.0	14.5	—	—
Mexico	1997	No.	541	0	30	327	107	47	29
		Rate	1.1	—	0.3	2.3	1.2	1.0	0.9
Netherlands	1999	No.	502	0	5	75	140	139	143
		Rate	5.4	—	—	4.9	7.5	9.1	8.8
New Zealand	1998	No.	132	0	4	49	40	20	19
		Rate	6.8	—	—	12.0	8.9	6.2	—
Nicaragua	1996	No.	83	0	12	55	10	4	2
		Rate	3.5	—	—	8.5	—	—	—
Norway	1997	No.	146	0	0	25	43	43	35
		Rate	5.9	—	—	5.6	9.1	11.0	7.1
Panama (excluding Canal Zone)	1997	No.	21	0	0	9	5	4	3
		Rate	1.7	—	—	—	—	—	—
Paraguay	1994	No.	27	0	2	9	8	3	5
		Rate	1.5	—	—	—	—	—	—
Philippines	1993	No.	342	0	0	226	64	27	24
		Rate	1.2	—	—	2.5	1.1	0.9	1.3

TABLE A.9 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Poland	1995	No.	5 499	4 562	0	60	809	1 625	1 274	794
		Rate	13.4	23.2	—	1.9	18.7	35.7	43.0	32.7
Portugal	1999	No.	545	407	0	1	39	78	71	218
		Rate	4.0	6.7	—	—	3.3	7.4	8.3	25.1
Puerto Rico	1998	No.	321	290	0	3	58	89	66	74
		Rate	8.1	15.6	—	—	11.7	24.4	23.7	31.6
Republic of Korea	1997	No.	6 024	4 162	0	31	966	1 398	1 012	755
		Rate	12.8	18.8	—	0.9	14.6	22.3	30.5	43.1
Republic of Moldova	1999	No.	579	482	0	6	72	149	155	100
		Rate	15.5	28.1	—	—	16.1	38.6	58.2	51.2
Romania	1999	No.	2 736	2 235	0	35	357	599	703	541
		Rate	10.8	18.5	—	2.2	12.8	25.4	37.1	30.3
Russian Federation	1998	No.	51 770	42 785	0	335	9 414	14 614	10 898	7 524
		Rate	32.1	57.9	—	3.0	58.2	84.9	93.7	84.3
Singapore	1998	No.	371	221	0	3	50	66	50	52
		Rate	11.7	14.1	—	—	14.4	14.5	18.8	34.7
Slovakia	1999	No.	692	590	0	5	90	170	197	128
		Rate	11.5	20.8	—	—	13.2	28.5	42.5	38.9
Slovenia	1999	No.	590	453	0	4	61	119	128	141
		Rate	24.6	40.3	—	—	27.7	52.3	65.3	95.0
Spain	1998	No.	3 261	2 499	0	4	490	545	439	1 021
		Rate	6.5	10.5	—	—	10.3	12.3	13.3	28.1
Sweden	1996	No.	1 253	872	0	1	135	211	253	272
		Rate	11.8	16.9	—	—	15.6	22.8	28.9	32.0
Switzerland	1996	No.	1 431	1 010	0	4	187	248	251	320
		Rate	16.7	25.1	—	—	27.0	28.9	37.0	55.0
Tajikistan	1995	No.	199	146	0	0	42	46	36	22
		Rate	5.2	8.1	—	—	5.5	9.8	17.7	14.7
Thailand	1994	No.	2 333	1 631	0	1	743	473	257	158
		Rate	4.1	5.9	—	—	8.1	7.6	8.1	8.2
The former Yugoslav Republic of Macedonia	1997	No.	155	115	0	1	13	34	24	43
		Rate	7.4	11.3	—	—	—	15.1	15.3	33.6
Trinidad and Tobago	1994	No.	148	118	0	2	35	35	28	18
		Rate	12.6	19.5	—	—	19.3	23.8	34.7	—
Turkmenistan	1998	No.	406	322	0	15	133	101	62	11
		Rate	10.4	16.9	—	—	20.3	22.5	34.8	—
Ukraine	1999	No.	14 452	11 806	0	80	1 922	3 460	3 514	2 830
		Rate	25.2	46.0	—	2.3	34.8	65.2	87.6	78.4
United Kingdom	1999	No.	4 448	3 443	0	4	777	1 220	806	636
		Rate	6.8	10.8	—	—	13.2	17.7	14.8	12.1
England and Wales	1999	No.	3 690	2 840	0	2	598	989	700	551
		Rate	6.3	9.9	—	—	11.5	16.2	14.4	11.8
Northern Ireland	1999	No.	121	103	0	0	45	39	12	7
		Rate	7.3	12.5	—	—	23.8	21.5	—	—
Scotland	1999	No.	637	500	0	2	134	192	94	78
		Rate	11.7	18.8	—	—	26.3	32.5	20.3	17.8
United States of America	1998	No.	30 575	24 538	0	241	5 718	7 523	5 218	5 838
		Rate	10.4	17.3	—	1.2	20.2	23.4	22.8	30.6



Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Poland	1995	No.	937	0	6	121	286	245	279
		Rate	4.2	—	—	2.9	6.3	7.7	7.6
Portugal	1999	No.	138	0	3	12	23	16	84
		Rate	1.9	—	—	—	2.1	—	7.1
Puerto Rico	1998	No.	31	0	0	10	7	6	8
		Rate	1.5	—	—	—	—	—	—
Republic of Korea	1997	No.	1 862	0	34	563	549	303	413
		Rate	7.6	—	1.1	8.9	9.3	9.0	15.5
Republic of Moldova	1999	No.	97	1	0	15	18	29	34
		Rate	4.7	—	—	—	—	9.3	11.3
Romania	1999	No.	501	0	4	77	101	129	190
		Rate	3.6	—	—	2.9	4.3	6.4	8.0
Russian Federation	1998	No.	8 985	0	79	1 369	1 893	1 955	3 689
		Rate	9.4	—	0.8	8.8	10.8	14.5	21.6
Singapore	1998	No.	150	0	0	45	26	26	53
		Rate	9.4	—	—	12.9	5.8	9.9	30.5
Slovakia	1999	No.	102	0	0	14	28	29	31
		Rate	3.2	—	—	—	4.8	5.8	6.2
Slovenia	1999	No.	137	0	0	14	24	48	51
		Rate	10.6	—	—	—	10.5	24.6	22.4
Spain	1998	No.	762	0	4	98	152	147	361
		Rate	2.8	—	—	2.1	3.5	4.3	7.5
Sweden	1996	No.	381	0	2	43	76	126	134
		Rate	6.9	—	—	5.2	8.6	14.8	12.2
Switzerland	1996	No.	421	0	0	47	97	110	167
		Rate	9.1	—	—	6.8	11.6	16.3	20.7
Tajikistan	1995	No.	53	0	0	22	13	8	10
		Rate	2.5	—	—	2.8	—	—	—
Thailand	1994	No.	702	0	1	342	202	101	56
		Rate	2.4	—	—	3.9	3.2	3.0	2.4
The former Yugoslav Republic of Macedonia	1997	No.	40	0	0	6	13	4	17
		Rate	3.8	—	—	—	—	—	—
Trinidad and Tobago	1994	No.	30	0	0	18	8	1	3
		Rate	5.0	—	—	—	—	—	—
Turkmenistan	1998	No.	84	0	3	47	14	10	10
		Rate	4.1	—	—	7.1	—	—	—
Ukraine	1999	No.	2 646	0	14	275	484	645	1 228
		Rate	7.6	—	—	5.1	8.7	13.4	19.0
United Kingdom	1999	No.	1 005	0	1	169	292	246	297
		Rate	2.9	—	—	3.0	4.4	4.5	4.3
England and Wales	1999	No.	850	0	0	133	244	208	265
		Rate	2.7	—	—	2.7	4.1	4.3	4.3
Northern Ireland	1999	No.	18	0	0	9	6	1	2
		Rate	—	—	—	—	—	—	—
Scotland	1999	No.	137	0	1	27	42	37	30
		Rate	4.7	—	—	5.5	7.1	7.7	5.0
United States of America	1998	No.	6 037	0	83	1 029	2 076	1 624	1 225
		Rate	4.0	—	0.4	3.7	6.4	6.7	4.8

TABLE A.9 (continued)

Country or area	Year	Measure <sup>c</sup>	Total <sup>d,e</sup>	Males						
				All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Uruguay	1990	No.	318	251	0	3	42	54	65	87
		Rate	9.6	16.4	—	—	11.8	19.0	27.5	39.4
Uzbekistan	1998	No.	1 620	1 252	0	53	407	468	215	109
		Rate	8.0	13.0	—	1.7	12.2	20.1	22.5	15.5
Venezuela	1994	No.	1 089	890	0	26	349	262	121	131
		Rate	6.1	10.3	—	1.0	11.6	12.6	11.3	21.8

Source: WHO mortality database as of September 2001.

<sup>a</sup> Suicide = ICD-10 X60–X84 (ICD-9 E950–E959).

<sup>b</sup> Or average of the three most recent years available between 1990 and 2000 for countries with populations under 1 million.

<sup>c</sup> No. = number of deaths; rate = number of deaths per 100 000 population. Deaths where the age of the deceased person was not known were proportionally distributed across age groups based on the distribution of suicides in the population. The numbers of deaths have therefore been rounded to the nearest whole number. Any apparent discrepancy in the total sums is due to rounding. The rate was not calculated if fewer than 20 deaths were reported. The population counts on which the rates are based are available from the World Health Organization at <http://www3.who.int/whosis/whsa/ftp/download.htm>.

<sup>d</sup> Age-standardized.

<sup>e</sup> Combined total for males and females.

Country or area	Year	Measure <sup>c</sup>	Females						
			All ages <sup>d</sup>	0-4 years	5-14 years	15-29 years	30-44 years	45-59 years	≥60 years
Uruguay	1990	No.	67	0	3	13	9	11	30
		Rate	3.7	—	—	—	—	—	10.5
Uzbekistan	1998	No.	368	0	7	208	80	28	45
		Rate	3.3	—	—	6.3	3.3	2.8	4.7
Venezuela	1994	No.	199	0	9	98	49	23	20
		Rate	2.1	—	—	3.3	2.4	2.1	2.9

TABLE A.10

Firearm-related mortality, by manner of death<sup>a</sup> and country, most recent year available between 1990 and 2000<sup>b</sup>

Country or area	Year	Measure <sup>c</sup>	Total	Firearm-related deaths			
				Homicide	Suicide	Unintentional	Undetermined
Albania	1998	No.	741	591	98	50	2
		Rate	22.1	17.6	2.9	1.5	—
Australia	1998	No.	334	56	248	23	7
		Rate	1.8	0.3	1.3	0.1	—
Austria	1999	No.	293	17	272	3	1
		Rate	3.6	—	3.4	—	—
Belgium	1995	No.	379	59	289	2	29
		Rate	3.7	0.6	2.9	—	0.3
Bulgaria	1999	No.	133	51	55	20	7
		Rate	1.6	0.6	0.7	0.2	—
Canada	1997	No.	1034	159	818	45	12
		Rate	3.4	0.5	2.7	0.1	—
China (Hong Kong SAR)	1996	No.	6	3	3	0	0
		Rate	—	—	—	—	—
Croatia	1999	No.	226	69	145	11	1
		Rate	5.0	1.5	3.2	—	—
Czech Republic	1999	No.	259	46	185	17	11
		Rate	2.5	0.4	1.8	—	—
Denmark	1996	No.	101	15	80	4	2
		Rate	1.9	—	1.5	—	—
Estonia	1999	No.	71	31	32	1	7
		Rate	4.9	2.1	2.2	—	—
Finland	1998	No.	295	22	267	3	3
		Rate	5.7	0.4	5.2	—	—
France	1998	No.	2964	170	2386	68	340
		Rate	5.0	0.3	4.1	0.1	0.6
Germany	1999	No.	1201	155	906	16	124
		Rate	1.5	0.2	1.1	—	0.2
Greece	1998	No.	194	74	86	34	0
		Rate	1.8	0.7	0.8	0.3	—
Hungary	1999	No.	129	31	96	1	1
		Rate	1.3	0.3	1.0	—	—
Iceland	1994–1996	No.	7	1	5	0	1
		Rate	—	—	—	—	—
Ireland	1997	No.	54	7	44	3	0
		Rate	1.5	—	1.2	—	—
Israel	1997	No.	161	15	73	0	73
		Rate	2.8	—	1.3	—	1.3
Italy	1997	No.	1171	463	626	38	44
		Rate	2.0	0.8	1.1	0.1	0.1
Japan	1997	No.	83	22	45	10	6
		Rate	0.1	0.0	0.0	—	—
Kuwait	1999	No.	16	16	0	0	0
		Rate	—	—	—	—	—
Latvia	1999	No.	92	34	47	5	6
		Rate	3.8	1.4	1.9	—	—
Lithuania	1999	No.	67	18	35	4	10
		Rate	1.8	—	0.9	—	—
Luxembourg	1995–1997	No.	12	1	9	0	2
		Rate	—	—	—	—	—
Malta	1997–1999	No.	7	4	2	1	0
		Rate	—	—	—	—	—
Netherlands	1999	No.	131	75	51	5	0
		Rate	0.8	0.5	0.3	—	—

TABLE A.10 (continued)

Country or area	Year	Measure <sup>c</sup>	Total	Firearm-related deaths			
				Homicide	Suicide	Unintentional	Undetermined
New Zealand	1998	No.	84	4	72	6	2
		Rate	2.2	—	1.9	—	—
Norway	1997	No.	139	10	127	2	0
		Rate	3.2	—	2.9	—	—
Portugal	1999	No.	202	61	62	2	77
		Rate	2.0	0.6	0.6	—	0.8
Republic of Korea	1997	No.	59	19	22	9	9
		Rate	0.1	—	0.0	—	—
Republic of Moldova	1999	No.	68	45	7	9	7
		Rate	1.9	1.2	—	—	—
Romania	1999	No.	73	19	24	26	4
		Rate	0.3	—	0.1	0.1	—
Singapore	1998	No.	6	0	5	1	0
		Rate	—	—	—	—	—
Slovakia	1999	No.	171	43	88	20	20
		Rate	3.2	0.8	1.6	0.4	0.4
Slovenia	1999	No.	61	9	49	2	1
		Rate	3.1	—	2.5	—	—
Spain	1998	No.	352	85	224	43	0
		Rate	0.9	0.2	0.6	0.1	—
Sweden	1996	No.	183	11	163	3	6
		Rate	2.1	—	1.8	—	—
Thailand	1994	No.	2 434	2 184	158	84	8
		Rate	4.2	3.8	0.3	0.1	—
The former Yugoslav Republic of Macedonia	1997	No.	41	20	16	5	0
		Rate	2.1	1.0	—	—	—
United Kingdom	1999	No.	197	45	140	6	6
		Rate	0.3	0.1	0.2	—	—
England and Wales	1999	No.	159	23	115	6	15
		Rate	0.3	0.0	0.2	—	—
Northern Ireland	1999	No.	28	15	11	0	2
		Rate	1.7	—	—	—	—
Scotland	1999	No.	25	7	14	0	4
		Rate	0.5	—	—	—	—
United States of America	1998	No.	30 419	11 802	17 432	866	319
		Rate	11.3	4.4	6.4	0.3	0.1

Source: WHO mortality database as of September 2001.

<sup>a</sup> Homicide by firearm discharge = ICD-10 X93–X95 (ICD-9 E965); suicide by firearm discharge = ICD-10 X72–X74 (ICD-9 E955); firearm discharge, unintentional = ICD-10 W32–W34 (ICD-9 E922); firearm discharge, intent undetermined = ICD-10 Y22–Y24 (ICD-9 E985).

<sup>b</sup> Or average of the three most recent years available between 1990 and 2000 for countries with populations under 1 million.

<sup>c</sup> No. = number of deaths; rate = number of deaths per 100 000 population. The rate was not calculated if fewer than 20 deaths were reported. The population counts on which the rates are based are available from the World Health Organization at <http://www3.who.int/whosis/whsa/ftp/download.htm>.



---

# Resources

The following is a listing of resources on violence-related topics, primarily Internet addresses of organizations involved in violence research, prevention and advocacy. In preparing this listing, the intention was to offer an illustrative sampling rather than a comprehensive listing of resources. Every effort was made to ensure that the web sites listed are reliable, current and content-rich. Section I contains a list of metasites, section II a list of web sites categorized according to type of violence, and section III a list of general web sites which may be of interest to those involved in violence research, prevention and advocacy.

## **Section I. Violence-related metasites**

Included below are five metasites. Collectively, they offer access to hundreds of web sites of violence-related organizations from all over the world. A brief description is provided of each.

### **WHO Department of Injuries and Violence Prevention: external links**

[http://www.who.int/violence\\_injury\\_prevention/externallinks.htm](http://www.who.int/violence_injury_prevention/externallinks.htm)

The WHO Department of Injuries and Violence Prevention offers an extensive listing of external links to organizations around the world involved in violence research, prevention and advocacy. The web sites of these agencies are listed by geographical region and country and by type of violence and other topics.

### **Economics of Civil Wars, Crime and Violence: related links**

<http://www.worldbank.org/research/conflict>

Hosted on the web site of the World Bank, this link provides access to web sites dedicated to the study of conflict. The list includes data on political and economic variables for countries that have experienced internal violent conflicts; information on organizations and institutes that are working in the area of conflict resolution; and sites that provide historical background and analyses of specific cases of internal conflict.

### **Injury Control Resource Information Network**

<http://www.injurycontrol.com/icrin>

The Injury Control Resource Information Network offers a dynamic list of key resources related to the field of injury and violence research and control that are accessible via the Internet. The sites are listed by categories, including data and statistics, recent research, and education and training. While the majority of sites are those of federal and state agencies in the United States, there are a handful of sites from other countries.

### **Injury Prevention Web**

<http://www.injuryprevention.org>

The Injury Prevention Web contains more than 1400 links to injury and violence prevention web sites worldwide. The sites are listed alphabetically and by categories such as violence prevention, suicide prevention, and war and conflict. The site also offers a weekly literature update of recent journal articles and

agency reports, book reviews, and listings of employment opportunities in the injury and violence research and prevention field.

### Minnesota Center Against Violence and Abuse: electronic clearing house

<http://www.mincava.umn.edu>

The electronic clearing house of the Minnesota Center Against Violence and Abuse provides articles, fact sheets and other information resources, as well as links to web sites on a wide variety of violence-related topics, including child abuse, gang violence and abuse of the elderly. The site also provides searchable databases with over 700 training manuals, videos and other educational resources.

## Section II. Violence-related web sites

Table 1 includes a list of web sites, primarily the home pages of organizations concerned with violence, categorized according to the type of violence. The web sites listed provide information not only about the organizations themselves, but also about violence-related topics in general.

TABLE 1

### Violence-related web sites

Type of violence	Web site
<b>Child abuse and neglect</b>	
Casa Alianza: Covenant House Latin America	<a href="http://www.casa-alianza.org/EN/index-en.shtml">http://www.casa-alianza.org/EN/index-en.shtml</a>
Child Abuse Prevention Network	<a href="http://child-abuse.com">http://child-abuse.com</a>
Great Lakes Area Regional Resource Center: Early Prevention of Violence Database	<a href="http://www.glarrc.org/Resources/EPVD.cfm">http://www.glarrc.org/Resources/EPVD.cfm</a>
International Society for Prevention of Child Abuse and Neglect	<a href="http://www.ispcan.org">http://www.ispcan.org</a>
Minnesota Center Against Violence and Abuse	<a href="http://www.mincava.umn.edu">http://www.mincava.umn.edu</a>
Office of the United Nations High Commissioner for Human Rights: Convention on the Rights of the Child	<a href="http://www.unhcr.ch/html/menu2/6/crc.htm">http://www.unhcr.ch/html/menu2/6/crc.htm</a>
United Nations Children's Fund Innocenti Research Centre	<a href="http://www.unicef.org">http://www.unicef.org</a> <a href="http://www.unicef-icdc.org">http://www.unicef-icdc.org</a>
<b>Collective violence</b>	
Centre for the Study of Violence and Reconciliation	<a href="http://www.wits.ac.za/csvr">http://www.wits.ac.za/csvr</a>
Correlates of War Project	<a href="http://www.umich.edu/~cowproj">http://www.umich.edu/~cowproj</a>
Global Internally Displaced Persons Project	<a href="http://www.idpproject.org">http://www.idpproject.org</a>
International Relations and Security Network: Security Watch	<a href="http://www.isn.ethz.ch/infoservice">http://www.isn.ethz.ch/infoservice</a>
Office for the Coordination of Humanitarian Affairs	<a href="http://www.reliefweb.int/ocha_ol">http://www.reliefweb.int/ocha_ol</a>
Office of the United Nations High Commissioner for Refugees	<a href="http://www.unhcr.ch">http://www.unhcr.ch</a>
Stockholm International Peace Research Institute	<a href="http://www.sipri.se">http://www.sipri.se</a>
<b>Elder abuse</b>	
Action on Elder Abuse	<a href="http://www.elderabuse.org.uk">http://www.elderabuse.org.uk</a>
Canadian Network for the Prevention of Elder Abuse	<a href="http://www.mun.ca/elderabuse">http://www.mun.ca/elderabuse</a>
HelpAge International	<a href="http://www.helpage.org">http://www.helpage.org</a>
International Network for the Prevention of Elder Abuse	<a href="http://www.inpea.net">http://www.inpea.net</a>
National Center on Elder Abuse	<a href="http://www.elderabusecenter.org">http://www.elderabusecenter.org</a>
National Committee for the Prevention of Elder Abuse	<a href="http://www.preventelderabuse.org/index.html">http://www.preventelderabuse.org/index.html</a>



TABLE 1 (continued)

Type of violence	Web site
<b>Suicide</b>	
American Association of Suicidology	<a href="http://www.suicidology.org">http://www.suicidology.org</a>
Australian Institute for Suicide Research and Prevention	<a href="http://www.gu.edu.au/school/psy/aisrap">http://www.gu.edu.au/school/psy/aisrap</a>
National Strategy for Suicide Prevention	<a href="http://www.mentalhealth.org/suicideprevention">http://www.mentalhealth.org/suicideprevention</a>
Suicide Information and Education Centre/Suicide Prevention Training Programmes	<a href="http://www.suicideinfo.ca">http://www.suicideinfo.ca</a>
The Suicidology Web: Suicide and Parasuicide	<a href="http://www.suicide-parasuicide.rumos.com">http://www.suicide-parasuicide.rumos.com</a>
<b>Violence against women</b>	
Global Alliance Against Traffic in Women	<a href="http://www.inet.co.en/org/gaatw">http://www.inet.co.en/org/gaatw</a>
International Center for Research on Women	<a href="http://www.icrw.org">http://www.icrw.org</a>
Latin American and Caribbean Women's Health Network	<a href="http://www.reddesalud.web.cl">http://www.reddesalud.web.cl</a>
National Sexual Violence Resource Center	<a href="http://www.nsvrc.org">http://www.nsvrc.org</a>
Network of East-West Women	<a href="http://www.neww.org/index.htm">http://www.neww.org/index.htm</a>
Office of the United Nations High Commissioner for Human Rights: Women's Rights are Human Rights	<a href="http://www.unhchr.ch/women/index.html">http://www.unhchr.ch/women/index.html</a>
Research, Action and Information Network for the Bodily Integrity of Women	<a href="http://www.rainbo.org">http://www.rainbo.org</a>
United Nations Development Fund for Women	<a href="http://www.undp.org/unifem">http://www.undp.org/unifem</a>
United Nations Development Programme: Gender in Development	<a href="http://www.undp.org/gender">http://www.undp.org/gender</a>
Women Against Violence Europe	<a href="http://www.wave-network.org">http://www.wave-network.org</a>
<b>Youth violence</b>	
Center for the Prevention of School Violence	<a href="http://www.ncsu.edu/cpsv">http://www.ncsu.edu/cpsv</a>
Center for the Study and Prevention of Violence	<a href="http://www.colorado.edu/cspv">http://www.colorado.edu/cspv</a>
Inter-American Development Bank: Violence Prevention	<a href="http://www.iadb.org/sds/SOC/site_471_e.htm">http://www.iadb.org/sds/SOC/site_471_e.htm</a>
National Center for Injury Prevention and Control	<a href="http://www.cdc.gov/ncipc">http://www.cdc.gov/ncipc</a>
National Criminal Justice Reference Service	<a href="http://www.ncjrs.org/intl/www.html">http://www.ncjrs.org/intl/www.html</a>
Partnerships Against Violence Network	<a href="http://pavnet.org">http://pavnet.org</a>
TMR Network Project: Nature and Prevention of Bullying	<a href="http://www.goldsmiths.ac.uk/tmr">http://www.goldsmiths.ac.uk/tmr</a>
United Nations Crime and Justice Information Network	<a href="http://www.uncjin.org/Statistics/statistics.html">http://www.uncjin.org/Statistics/statistics.html</a>

### Section III. Other web sites

Table 2 lists other web sites that may be of interest to those involved in violence research, prevention and advocacy. They relate primarily to broad contextual issues such as economic and social development, human rights and crime, but also include some relevant tools for improving the understanding of violence-related injuries.

TABLE 2

#### Other web sites

Organization	Web site
Amnesty International	<a href="http://www.amnesty.org/">http://www.amnesty.org/</a>
Campbell Collaboration's Crime and Justice Coordinating Group	<a href="http://www.aic.gov.au/campbellcj/">http://www.aic.gov.au/campbellcj/</a>
Centers for Disease Control and Prevention: National Center for Injury Prevention and Control	<a href="http://www.cdc.gov/ncipc">http://www.cdc.gov/ncipc</a> <a href="http://www.cdc.gov/ncipc/pub_res/intimate.htm">http://www.cdc.gov/ncipc/pub_res/intimate.htm</a> ( <i>Intimate partner surveillance: uniform elements and recommended data elements</i> )
Centro Latino-Americano de Estudos sobre Violência e Saúde	<a href="http://www.ensp.fiocruz.br/claves.html">http://www.ensp.fiocruz.br/claves.html</a>
Economic and Social Research Council: Violence Research Programme	<a href="http://www1.rhnc.ac.uk/sociopolitical-science/vrp/realhome.htm">http://www1.rhnc.ac.uk/sociopolitical-science/vrp/realhome.htm</a>
Human Rights Watch	<a href="http://www.hrw.org/">http://www.hrw.org/</a>
Institute for Security Studies	<a href="http://www.iss.co.za">http://www.iss.co.za</a>
Inter-American Coalition for the Prevention of Violence	<a href="http://www.iacpv.org">http://www.iacpv.org</a>
International Action Network on Small Arms	<a href="http://www.iansa.org">http://www.iansa.org</a>
International Campaign to Ban Landmines	<a href="http://www.icbl.org/">http://www.icbl.org/</a>
International Center for the Prevention of Crime	<a href="http://www.crime-prevention-intl.org">http://www.crime-prevention-intl.org</a>
International Labour Organization	<a href="http://www.ilo.org">http://www.ilo.org</a>
Medical Research Council of South Africa: Crime, Violence and Injury Lead Programme	<a href="http://www.mrc.ac.za/crime/crime.htm">http://www.mrc.ac.za/crime/crime.htm</a>
National Library of Medicine: Entrez PubMed	<a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi</a>
Pan American Health Organization: Prevention of Violence and Injuries	<a href="http://www.paho.org/English/hcp/hcn/violence-unit-page.htm">http://www.paho.org/English/hcp/hcn/violence-unit-page.htm</a> <a href="http://www.paho.org/English/HCP/HCN/guidelines-eng.htm">http://www.paho.org/English/HCP/HCN/guidelines-eng.htm</a> ( <i>Guidelines for the epidemiological surveillance of violence and injuries in the Americas</i> )
Red Andina de Prevención de Violencia	<a href="http://www.redandina.org">http://www.redandina.org</a>
Trauma.org	<a href="http://www.trauma.org/trauma.html">http://www.trauma.org/trauma.html</a>
United Nations Educational, Scientific and Cultural Organization	<a href="http://www.unesco.org">http://www.unesco.org</a>
United Nations Human Settlements Programme	<a href="http://www.unhabitat.org/default.asp">http://www.unhabitat.org/default.asp</a>
United Nations Institute for Disarmament Research	<a href="http://www.unog.ch/unidir">http://www.unog.ch/unidir</a>
United Nations Interregional Crime and Justice Research Institute	<a href="http://www.unicri.it">http://www.unicri.it</a>
United Nations Office of Drug Control and Crime Prevention	<a href="http://www.odccp.org/crime_prevention.html">http://www.odccp.org/crime_prevention.html</a>
United Nations Population Fund	<a href="http://www.unfpa.org">http://www.unfpa.org</a>
United Nations Research Institute for Social Development	<a href="http://www.unrisd.org">http://www.unrisd.org</a>
University for Peace	<a href="http://www.upeace.org">http://www.upeace.org</a>
World Health Organization	<a href="http://www.who.int/">http://www.who.int/</a> <a href="http://www.who.int/violence_injury_prevention/pdf/injuryguidelines.pdf">http://www.who.int/violence_injury_prevention/pdf/injuryguidelines.pdf</a> ( <i>Injury surveillance guidelines</i> )

For readers without access to the Internet, the WHO Department of Injuries and Violence Prevention would be pleased to provide the full mailing address of the organizations listed. Kindly contact the Department at the following address:

Department of Injuries and Violence Prevention

World Health Organization

20 Avenue Appia

1211 Geneva 27

Switzerland

Tel.: +41 22 791 3480

Fax: +41 22 791 4332

Email: [vip@who.int](mailto:vip@who.int)

