



Statistical Annex

The tables in this technical annex present updated information on the burden of disease and summary measures of population health in WHO Member States and Regions for the year 2000. The material in these tables will be presented on an annual basis in each World health report. As with any innovative approach, methods and data sources can be refined and improved. It is hoped that careful scrutiny and use of the results will lead to progressively better measurement of health attainment in the coming World health reports. All the main results are reported with uncertainty intervals in order to communicate to the user the plausible range of estimates for each country on each measure. Where data are presented by country, initial WHO estimates and technical explanations were sent to Member States for comment. Comments or data provided in response were discussed with them and incorporated where possible. The estimates reported here should still be interpreted as the best estimates of WHO rather than the official viewpoint of Member States.

STATISTICAL ANNEX

EXPLANATORY NOTES

The tables in this technical annex present updated information on the burden of disease and summary measures of population health in WHO Member States and Regions for the year 2000. The work leading to these annex tables was undertaken mostly by the WHO Global Programme on Evidence for Health Policy and the Department of Health Financing and Stewardship in collaboration with counterparts from the Regional Offices of WHO. The material in these tables will be presented on an annual basis in each *World health report*. Working papers have been prepared which provide details on the concepts, methods and results that are only briefly mentioned here. The footnotes to these technical notes include a complete listing of the detailed working papers.

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ANNEX TABLE 1

To assess overall levels of health achievement, it is crucial to develop the best possible assessment of the life table for each country. New life tables have been developed for all 191 Member States starting with a systematic review of all available evidence from surveys, censuses, sample registration systems, population laboratories and vital registration on levels and trends in child mortality and adult mortality.¹ This review benefited greatly from the work undertaken on child mortality by UNICEF² and on general mortality by the United States Census Bureau³ and the UN Population Division 2000 demographic assessment.⁴ All estimates of population size and structure for 2000 are based on the 2000 demographic assessment prepared by the United Nations Population Division.⁴ These estimates refer to the de facto resident population, and not the de jure population in each Member State. To aid in demographic, cause of death and burden of disease analyses, the 191 Member States have been divided into 5 mortality strata on the basis of their level of child (5q0) and adult male mortality (45q15). The matrix defined by the six WHO Regions and the 5 mortality strata leads to 14 subregions, since not every mortality stratum is represented in every Re-

gion. These subregions are used in Tables 2 and 3 for presentation of results.

Because of increasing heterogeneity of patterns of adult and child mortality, WHO has developed a model life table system of two-parameter logit life tables using a global standard, and with additional age-specific parameters to correct for systematic biases in the application of a two-parameter system.⁵ This system of model life tables has been used extensively in the development of life tables for those Member States without adequate vital registration and in projecting life tables to 2000 when the most recent data available are from earlier years. Details on the data, methods and results by country of this life table analysis are available in the corresponding technical paper.¹ The World Health Organization uses a standard method to estimate and project life tables for all Member States with comparable data. This may lead to minor differences compared with official life tables prepared by Member States.

To capture the uncertainty due to sampling, indirect estimation technique or projection to 2000, a total of 1000 life tables have been developed for each Member State. Uncertainty bounds are reported in Annex Table 1 by giving key life table values at the 10th percentile and the 90th percentile. This uncertainty analysis was facilitated by the development of new methods and software tools.⁶ In countries with a substantial HIV epidemic, recent estimates of the level and uncertainty range of the magnitude of the HIV epidemic have been incorporated into the life table uncertainty analysis.⁷

ANNEX TABLES 2 AND 3

Causes of death for the 14 subregions and the world have been estimated based on data from national vital registration systems that capture about 17 million deaths annually. In addition, information from sample registration systems, population laboratories and epidemiological analyses of specific conditions has been used to improve estimates of the cause of death patterns.⁸⁻⁸ WHO is intensifying efforts with Member States to obtain and verify recent vital registration data on causes of death.

Cause of death data have been carefully 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 sub-populations. Techniques to undertake this analysis have been developed based on the global burden of disease study⁹ and further refined using a much more extensive database and more robust modelling techniques.¹⁰

Special attention has been paid to problems of misattribution or miscoding of causes of death in cardiovascular diseases, cancer, injuries and general ill-defined categories. A correction algorithm for reclassifying ill-defined cardiovascular codes has been developed.¹¹ Cancer mortality by site has been evaluated using both vital registration data and population-based cancer incidence registries. The latter have been analysed using a complete age, period cohort model of cancer survival in each region.⁸

Annex Table 3 provides estimates of the burden of disease using disability-adjusted life years (DALYs) as a measure of the health gap in the world in 2000. DALYs along with healthy life expectancy are summary measures of population health.^{12,13} One DALY can be thought of as one lost year of “healthy” life and the burden of disease as a measurement of the gap between the current health of a population and an ideal situation where everyone in the population lives into old age in full health. DALYs for a disease or health condition are calculated as the sum of the years of life lost due to premature mortality (YLL) in the population and the years lost due to disability (YLD) for incident cases of the health condition. For a review of the development of the DALY and recent advances in the measure-

ment of the burden of disease, see Murray & Lopez.¹⁴ For a more comprehensive review of the conceptual and other issues underlying summary measures of population health, see Murray et al.¹³ DALYs for 2000 have been estimated based on cause of death information for each Region and regional assessments of the epidemiology of major disabling conditions. For this report, burden of disease estimates have been updated for many of the cause categories included in the Global Burden of Disease 2000 study, based on the wealth of data on major diseases and injuries available to WHO technical programmes and through collaboration with scientists worldwide.¹⁵ Examples are the extensive data sets on tuberculosis, maternal conditions, injuries, diabetes, cancer, and sexually transmitted infections. These data, together with new and revised estimates of deaths by cause, age and sex, for all Member States, have been used to develop internally consistent estimates of incidence, prevalence, duration and DALYs for over 130 major causes, for 14 sub-regions of the world.

ANNEX TABLE 4

Annex Table 4 reports the average level of population health for WHO Member States in terms of healthy life expectancy. Based on more than 15 years of work, WHO introduced disability-adjusted life expectancy (DALE) as a summary measure of the level of health attained by populations in *The World Health Report 2000*.^{16,17} To better reflect the inclusion of all states of health in the calculation of healthy life expectancy, the name of the indicator used to measure healthy life expectancy has been changed from disability-adjusted life expectancy (DALE) to health-adjusted life expectancy (HALE). HALE is based on life expectancy at birth (see Annex Table 1) but includes an adjustment for *time spent in poor health*. It is most easily understood as the equivalent number of years in full health that a newborn can expect to live based on current rates of ill-health and mortality.

The measurement of *time spent in poor health* is based on combining condition-specific estimates from the Global Burden of Disease 2000 study with estimates of the prevalence of different health states by age and sex derived from health surveys carried out by WHO.¹⁸ Representative household surveys are being undertaken in approximately 70 countries using a new instrument based on the International Classification of Functioning, Disability and Health,¹⁹ which seeks information from a representative sample of respondents on their current states of health according to 7 core domains.²⁰ These domains were identified from an extensive review of the currently available health status measurement instruments.

Analyses of over 50 national health surveys for the calculation of healthy life expectancy in *The World Health Report 2000* identified severe limitations in the comparability of self-reported health status data from different populations, even when identical survey instruments and methods are used.^{17,21} To overcome this problem, the WHO survey instrument uses performance tests and vignettes to calibrate self-reported health on selected domains such as cognition, mobility and vision. WHO is developing several statistical methods for correcting biases in self-reported health using these data, based on the hierarchical ordered probit (HOPIT) model.²² The calibrated responses are used to estimate the true prevalence of different states of health by age and sex.

The uncertainty ranges for healthy life expectancy given in Annex Table 4 are based on the 10th percentile and 90th percentile of the relevant uncertainty distributions.²³ The ranges thus define 80% uncertainty intervals around the estimates. HALE uncertainty is a function of the uncertainty in age-specific mortality measurement for each country, of the uncertainty in burden of disease based estimates of country-level disability prevalence, and of uncertainty in the health state prevalences derived from health surveys.

Healthy life expectancy estimates for Member States for the year 2000 are not directly comparable with those published in last year's World Health Report for 1999 as they incorporate new epidemiological information, new data from health surveys, and new information on mortality rates, as well as improvements in methods.

The new evidence from the WHO Multi-country Household Survey Study has resulted in an overall increase in severity-weighted prevalences, an increase for females relative to males, and hence to a reduction in HALE estimates. This has affected all Member States and at the global level, reduced HALE at birth from the previous estimate of 56.8 years in 1999 to the current estimate of 56.0 years for the year 2000. For some Member States, there have also been changes in HALE estimates due to new information provided on age-specific mortality rates.

ANNEX TABLE 5

National Health Accounts are designed to be a policy relevant, comprehensive, consistent, timely and standardized instrument that traces the levels and trends of consumption of health goods and services (the expenditure approach), the value added created by service and manufacturing industries producing these commodities (the production approach) and the incomes generated by this process as well as the taxes, mandatory contributions, premiums and direct payments that fund the system (the income approach). The current developmental stage of WHO's tentative summary National Health Accounts leans more towards a measurement of the financing flows.

The estimates shown are *measured* expenditure and order of magnitude only. All estimates are preliminary.

As in every systems accounting build-up, the "first round data" are likely to be substantially modified in subsequent stages of the accounting development process. The very first estimates for 1997 have been thoroughly revised in light of statistics and other data made accessible after the completion of *The World Health Report 2000*.

Public expenditure on health comprises the current and capital outlays of territorial government (central/federal authorities, regional/provincial/state authorities, and local/municipal authorities) plus social security schemes whose affiliation is compulsory for a sizeable share of the population and extrabudgetary funds earmarked for health services delivery or financing. They include grants and loans provided by international agencies, other national authorities and sometimes commercial banks.

Private expenditure on health comprises private insurance schemes and prepaid medical care plans, services delivered or financed by enterprises (other than contributions to social security and prepaid plans), mandated or not, outlays by nongovernmental organizations and non-profit institutions serving mainly households, out-of-pocket payments, and other privately funded schemes not elsewhere classified, including investment outlays.

The intended *Social security funding* of health expenditure is that of contributions by employers and employees at the exclusion of government transfer payments and subsidies to Social Security institutions which are tax funded flows; this netting-out has only been partly attained in the present state of health accounting.

The *External resources* contribution to health systems financing is mostly directed towards public programmes but includes transfers towards private programmes whose magnitude could not be documented. The ratios of traceable external resources below 0.05% of public expenditure on health, as well as a few entries known to be positive but without quantitative evidence, are shown as "...".

A share of *Tax-funded outlays* is directed in some countries towards the prepayment of loans contracted for health, which could not always be separated from direct expenditure on health services delivery and administration.

For the purpose of Annex Table 5, other private prepaid health plans that are not strictly based on risk-related contracts have been added to *Private insurance* as another form of risk pooling. Zeros in that column do not necessarily indicate the absence of such financial intermediaries and may only mean that, in the absence of data, this form of financing is lumped with out-of-pocket outlays. In cases of suspected positive entries without quantitative evidence, “...” has been used.

Out-of-pocket (OOP) disbursements include, to the extent possible, deductibles and co-payments under social security and other prepaid schemes, other costs incurred by households net of reimbursements under a private or public prepaid arrangement, and other private pre-paid plans.

When no information is available for *Private insurance*, *Nongovernmental organizations* (NGOs) and/or *Enterprise outlays on health service*, the lacunae inflate the OOPs. Private insurance and OOPs do not necessarily add up to Private expenditure on health.

Exchange rates are the average observed rates at which currencies are traded by the banking system, expressed in US dollars. International dollar estimates are derived by dividing local currency units by an estimate of their purchasing power parity (PPP) compared to US\$. PPPs are the rates of currency conversion that equalise the purchasing power of different currencies by eliminating the differences in price levels between countries.

The GDP levels for the OECD countries follow the new Standard National Accounts (SNA93) and those originating from the United Nations and the IMF incorporate SNA93 time series whenever Member States' statistical agencies moved to the new concepts and definitions. For non-OECD countries, where there were differences between the United Nations, the IMF and the World Bank, the reported number reflects the most plausible trend.

For statistical purposes, the data for China do not include those for the Hong Kong Special Administrative Region and the Macao Special Administrative Region. For Jordan, data for territory under occupation since 1967 by Israel is excluded.

Sources of data

Health Expenditure (Public, Private, Social Security, Tax-funded, External, Private Insurance, Out-of-pocket): WHO NHA data files based on *OECD Health Data 2001*; National Health Expenditure accounts in several Member States; IMF *Government Financial Statistics*; United Nations *National Accounts*, Tables 2.1 and 2.5 extended through 1998; World Bank *Development Indicators*; national *Statistical Yearbooks* and other reports containing estimates consistent with the principles underlying the data lifted from the sources quoted; household surveys; WHO secretariat estimates and correspondence with officials in Member States.

GDP: United Nations *National Accounts*, IMF *International Financial Statistics*, World Bank *World Development Indicators*, OECD *National Accounts*.

General Government Expenditures: United Nations *National Accounts*, Table 1.4 extended to 1998; OECD *National Accounts*, vol. II tables 5 and 6; IMF *International Financial Statistics*, central government disbursements grossed up to include regional and local authorities where possible.

Exchange rates: IMF *International Financial Statistics*. Purchasing power parities (PPPs) were estimated using methods similar to those used by the World Bank. PPPs were based

on price comparison studies for 1996 where they existed. For other countries they were estimated using the GDP per capita in US dollars, UN post adjustment multipliers, and other geographical dummy variables. Forward projections were made to 1998 using the real GDP growth rate with the adjustment for US inflation using the US GDP deflators.

- ¹ Lopez AD, Ahmad O, Guillot M, Inoue M, Ferguson B (2001). *Life tables for 191 countries for 2000: data, methods, results*. Geneva, World Health Organization (GPE Discussion Paper No. 40).
- ² Hill K, Rohini PO, Mahy M, Jones G (1999). *Trends in child mortality in the developing world: 1960 to 1996*. New York, UNICEF.
- ³ United States Bureau of the Census: International database available at <http://www.census.gov/ipc/www/idbnew.html>
- ⁴ *World population prospects: the 2000 revision* (2001). New York, United Nations.
- ⁵ Murray CJL, Ferguson B, Lopez AD, Guillot M, Salomon JA, Ahmad O (2001). *Modified-logit life table system: principles, empirical validation and application*. Geneva, World Health Organization (GPE Discussion Paper No. 39).
- ⁶ Murray CJL, Salomon JA (1998). Modeling the impact of global tuberculosis control strategies. *Proceedings of the National Academy of Science of the USA*, 95(23): 13881–13886.
- ⁷ Salomon JA, Murray CJL (2001). Modelling HIV/AIDS epidemics in sub-Saharan Africa using seroprevalence data from antenatal clinics. *Bulletin of the World Health Organization* 79(7): 596–607.
- ⁸ Mathers CD, Murray CJL, Lopez AD, Boschi-Pinto C (2001). *Cancer incidence, mortality and survival by site for 14 regions of the world*. Geneva, World Health Organization (GPE Discussion Paper No. 13).
- ⁹ Murray CJL, Lopez AD, eds (1996). *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 on behalf of the World Health Organization and the World Bank (Global Burden of Disease and Injury Series, Vol. 1).
- ¹⁰ Salomon JA, Murray CJL (2000). *The epidemiological transition revisited: new compositional models for mortality by age, sex and cause*. Geneva, World Health Organization (GPE Discussion Paper No. 11, revised edition).
- ¹¹ Lozano R, Murray CJL, Lopez AD, Satoh T (2001). *Miscoding and misclassification of ischaemic heart disease mortality*. Geneva, World Health Organization (GPE Discussion Paper No. 12).
- ¹² Murray CJL, Salomon JA, Mathers CD (2000). A critical examination of summary measures of population health. *Bulletin of the World Health Organization*, 78: 981–994.
- ¹³ Murray CJL, Salomon JA, Mathers CD, Lopez AD, eds (forthcoming in 2002). *Summary measures of population health: concepts, ethics, measurement and applications*. Geneva, World Health Organization.
- ¹⁴ Murray CJL, Lopez AD (2000). Progress and directions in refining the global burden of disease approach: response to Williams. *Health Economics*, 9: 69–82.
- ¹⁵ Murray CJL, Lopez AD, Mathers CD, Stein C (2001). *The Global Burden of Disease 2000 project: aims, methods and data sources*. Geneva, World Health Organization (GPE Discussion Paper No. 36).
- ¹⁶ World Health Organization (2000). *The World Health Report 2000 – Health systems: improving performance*. Geneva, World Health Organization.
- ¹⁷ Mathers CD, Sadana R, Salomon JA, Murray CJL, Lopez AD (2001). Healthy life expectancy in 191 countries, 1999. *Lancet*, 357(9269): 1685–1691.
- ¹⁸ Mathers CD, Murray CJL, Lopez AD, Salomon JA, Sadana R, Tandon A, Üstün TB, Chatterji S. (2001). *Estimates of healthy life expectancy for 191 countries in the year 2000: methods and results*. Geneva, World Health Organization (GPE discussion paper No. 38).
- ¹⁹ World Health Organization (2001). *International classification of functioning, disability and health (ICF)*. Geneva, World Health Organization.
- ²⁰ Üstün TB, Chatterji S, Villanueva M, Bendib L, Sadana R, Valentine N, Mathers CD, Ortiz J, Tandon A, Salomon J, Yang C, Xie Wan J, Murray CJL. *WHO Multi-country Household Survey Study on Health and Responsiveness, 2000-2001* (2001). Geneva, World Health Organization (GPE discussion paper No. 37).
- ²¹ Sadana R, Mathers CD, Lopez AD, Murray CJL (2000). *Comparative analysis of more than 50 household surveys on health status*. Geneva, World Health Organization (GPE Discussion Paper No. 15).
- ²² Murray CJL, Tandon A, Salomon JA, Mathers CD (2000). *Enhancing cross-population comparability of survey results*. Geneva, World Health Organization (GPE Discussion Paper No. 35).
- ²³ Salomon JA, Murray CJL, Mathers CD (2000). *Methods for life expectancy and healthy life expectancy uncertainty analysis*. Geneva, World Health Organization (GPE Discussion Paper No. 10).

Annex Table 1 Basic indicators for all Member States

Member State	POPULATION ESTIMATES								PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)					
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Under age 5 years				Between ages 15 and 59 years				Males		Females			
			1990	2000	1990	2000	1990	2000	1990	2000	Males		Females		Males		Females					
	2000	1990-2000	1990	2000	1990	2000	1990	2000	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval		
1	Afghanistan	21 765	4.8	88	86	4.7	4.7	7.1	6.9	1	252	202-301	249	199-299	437	341-529	376	280-473	44.2	38.5-50.1	45.1	39.2-51.7
2	Albania	3 134	-0.5	62	56	7.8	9.0	3.0	2.4	2	47	37-57	40	31-50	209	191-227	95	85-107	64.3	62.8-65.7	72.9	71.6-74.1
3	Algeria	30 291	2.0	84	64	5.7	6.0	4.5	3.0	3	54	44-63	47	38-56	155	141-168	119	106-132	68.1	66.9-69.4	71.2	69.9-72.4
4	Andorra	86	5.0	35	37	14.4	15.6	1.4	1.2	4	5	3-7	4	2-6	105	71-137	41	21-61	77.2	74.4-81.7	83.8	80.2-89.5
5	Angola	13 134	3.2	100	104	4.7	4.5	7.2	7.2	5	217	192-242	198	175-220	492	412-565	386	317-452	44.3	40.8-47.9	48.3	44.9-52.0
6	Antigua and Barbuda	65	0.3	64	57	9.1	9.9	1.9	1.6	6	25	20-30	22	17-27	183	165-200	133	118-147	71.8	70.5-73.1	76.6	75.4-77.9
7	Argentina	37 032	1.3	65	60	12.9	13.3	2.9	2.5	7	24	22-27	20	19-23	184	178-190	92	88-96	70.2	69.8-70.6	77.8	77.3-78.3
8	Armenia	3 787	0.7	56	48	10.0	13.2	2.3	1.2	8	56	50-62	38	32-44	223	213-233	106	96-118	64.4	63.8-65.0	71.2	70.2-72.2
9	Australia	19 138	1.3	49	49	15.5	16.3	1.9	1.8	9	7	6-8	5	4-6	100	95-103	54	51-58	76.6	76.3-77.1	82.1	81.7-82.5
10	Austria	8 080	0.4	48	47	20.1	20.7	1.5	1.3	10	6	5-7	5	4-5	125	118-133	60	57-63	74.9	74.4-75.4	81.4	81.0-81.8
11	Azerbaijan	8 041	1.1	61	56	8.0	10.5	2.7	1.7	11	101	82-121	88	71-106	261	231-290	153	134-172	61.7	59.2-64.2	68.9	66.6-71.3
12	Bahamas	304	1.8	59	54	6.7	8.0	2.6	2.4	12	14	10-20	12	9-18	267	252-281	161	149-173	68.0	67.1-68.9	74.8	73.9-75.6
13	Bahrain	640	2.7	51	45	3.8	4.7	3.7	2.5	13	11	7-15	8	5-12	120	110-130	93	83-103	72.7	71.9-73.9	74.7	73.7-75.8
14	Bangladesh	137 439	2.2	82	72	4.8	4.9	4.6	3.7	14	91	81-101	93	83-103	262	235-290	252	227-276	60.4	58.6-62.3	60.8	59.1-62.6
15	Barbados	267	0.4	57	45	15.3	13.4	1.7	1.5	15	13	9-16	13	10-16	180	161-200	122	110-134	71.6	70.4-72.8	77.7	76.6-78.9
16	Belarus	10 187	-0.1	51	47	16.5	18.9	1.8	1.2	16	17	13-21	12	9-15	381	362-401	133	123-143	62.0	61.0-62.9	74.0	73.2-74.9
17	Belgium	10 249	0.3	49	52	20.5	22.1	1.6	1.5	17	8	7-9	6	5-7	128	124-132	67	62-70	74.6	74.2-75.0	80.9	80.5-81.3
18	Belize	226	2.0	94	74	6.1	6.0	4.4	3.2	18	37	30-40	32	28-35	200	185-216	124	120-132	69.1	68.0-70.3	74.7	74.0-75.2
19	Benin	6 272	3.0	106	96	4.8	4.2	6.7	5.9	19	162	153-168	151	143-158	384	356-408	328	297-350	51.7	50.4-53.0	53.8	52.5-55.8
20	Bhutan	2 085	2.1	85	89	6.0	6.5	5.8	5.3	20	93	72-112	92	73-113	268	213-325	222	173-271	60.4	57.0-64.4	62.5	58.9-66.3
21	Bolivia	8 329	2.4	81	77	5.8	6.2	4.9	4.1	21	88	81-96	80	66-80	264	239-292	219	189-236	60.9	59.1-62.4	63.6	62.7-65.9
22	Bosnia and Herzegovina	3 977	-0.8	43	41	10.4	14.9	1.7	1.3	22	21	17-26	16	13-22	200	166-224	93	80-108	68.7	67.4-70.7	74.7	73.3-76.0
23	Botswana	1 541	2.2	95	82	3.6	4.5	5.1	4.1	23	85	70-100	83	73-102	703	660-738	669	637-696	44.6	42.4-47.1	44.4	42.3-46.5
24	Brazil	170 406	1.4	64	51	6.7	7.8	2.7	2.2	24	49	41-58	42	35-49	259	240-282	136	120-155	64.5	63.0-65.7	71.9	70.2-73.5
25	Brunei Darussalam	328	2.5	59	54	4.1	5.1	3.2	2.7	25	12	10-15	7	6-10	144	128-163	97	85-110	73.4	72.1-74.8	78.7	77.3-80.3
26	Bulgaria	7 949	-0.9	50	47	19.1	21.7	1.7	1.1	26	22	20-24	17	16-19	239	235-249	103	98-106	67.4	66.8-67.6	74.9	74.6-75.4
27	Burkina Faso	11 535	2.5	108	108	5.2	4.8	7.3	6.8	27	217	212-222	206	201-211	559	544-573	507	493-520	42.6	42.0-43.4	43.6	42.9-44.4
28	Burundi	6 356	1.2	93	102	4.7	4.3	6.8	6.8	28	196	172-221	183	158-208	648	586-700	603	538-657	40.6	37.7-43.7	41.3	38.2-45.5
29	Cambodia	13 104	3.1	90	88	4.4	4.4	5.6	5.0	29	136	131-141	120	114-124	373	361-384	264	252-273	53.4	52.7-54.2	58.5	57.9-59.5
30	Cameroon	14 876	2.5	95	88	5.6	5.6	5.9	4.9	30	149	142-157	140	133-148	488	460-513	440	413-464	49.0	47.6-50.4	50.4	48.9-51.9
31	Canada	30 757	1.1	47	46	15.5	16.7	1.7	1.6	31	6	5-6	5	4-5	101	96-105	57	53-60	76.0	75.6-76.5	81.5	81.1-81.9
32	Cape Verde	427	2.3	93	78	7.0	6.5	4.3	3.4	32	56	45-70	40	30-54	210	191-239	121	111-133	66.5	64.4-67.9	72.3	71.1-73.3
33	Central African Republic	3 717	2.4	90	89	6.3	6.1	5.6	5.1	33	199	192-206	185	177-192	620	588-652	573	536-605	41.6	40.3-43.1	42.5	41.1-44.4
34	Chad	7 885	3.1	95	98	5.3	4.9	6.7	6.7	34	192	182-202	171	161-181	449	429-471	361	340-381	47.4	46.1-48.7	51.1	49.7-52.6
35	Chile	15 211	1.5	57	55	9.0	10.2	2.6	2.4	35	12	10-14	10	8-11	151	132-157	67	60-71	72.5	72.0-73.8	79.5	78.8-80.4
36	China	1 282 437	1.0	50	46	8.6	10.0	2.2	1.8	36	38	31-41	44	38-49	161	150-170	110	100-120	68.9	68.2-69.7	73.0	72.0-74.2
37	Colombia	42 105	1.9	68	60	6.3	6.9	3.1	2.7	37	29	25-34	21	17-24	238	225-250	115	108-122	67.2	66.3-68.1	75.1	74.3-75.8
38	Comoros	706	3.0	98	84	4.1	4.2	6.2	5.2	38	107	99-114	95	88-102	381	345-415	325	294-356	55.3	53.6-57.1	58.1	56.3-59.8
39	Congo	3 018	3.1	95	98	5.3	5.1	6.3	6.3	39	134	124-154	122	103-142	475	413-537	406	344-465	50.1	46.8-52.7	52.9	49.5-56.4
40	Cook Islands	20	0.7	70	65	5.7	6.8	4.2	3.3	40	23	16-28	20	14-24	175	163-190	152	140-164	68.7	67.8-69.4	72.1	71.2-73.0
41	Costa Rica	4 024	2.8	69	60	6.4	7.5	3.2	2.7	41	18	15-20	15	12-17	131	118-139	78	71-82	73.4	72.7-74.5	78.8	78.1-79.8
42	Côte d'Ivoire	16 013	2.4	96	83	4.2	5.0	6.3	4.9	42	152	142-162	138	130-146	553	507-588	494	451-527	46.4	44.9-48.5	48.4	46.8-50.6
43	Croatia	4 654	0.3	47	47	17.1	20.2	1.7	1.7	43	10	9-12	7	7-9	178	173-183	74	70-79	69.8	69.5-70.1	77.7	77.3-78.1
44	Cuba	11 199	0.5	46	44	11.7	13.7	1.7	1.6	44	9	9-10	8	7-9	143	139-147	94	91-99	73.7	73.3-74.0	77.5	77.1-77.8
45	Cyprus	784	1.4	58	53	14.8	15.7	2.4	2.0	45	9	8-9	7	6-8	116	107-122	59	52-64	74.8	74.3-75.6	79.0	78.3-79.8
46	Czech Republic	10 272	0.0	51	43	17.7	18.4	1.8	1.2	46	6	6-7	6	5-6	174	171-177	75	72-76	71.5	71.3-71.7	78.2	78.0-78.6
47	Democratic People's Republic of Korea	22 268	1.1	47	48	7.6	10.0	2.4	2.1	47	54	31-80	52	30-79	238	215-264	192	167-217	64.5	62.0-66.3	67.2	64.6-69.2
48	Democratic Republic of the Congo	50 948	3.3	100	107	4.6	4.5	6.7	6.7	48	218	170-247	205	169-229	571	512-631	493	451-535	41.6	38.6-45.8	44.0	41.2-47.5
49	Denmark	5 320	0.3	48	50	20.4	20.0	1.6	1.7	49	7	6-7	5	5-6	129	126-133	82	76-85	74.2	73.8-74.5	78.5	78.2-79.0
50	Djibouti	632	2.3	82	87	4.1	5.5	6.3	5.9	50	184	153-212	168	139-195	590	497-667	541	461-618	43.5	39.9-48.2	44.7	40.1-49.3
51	Dominica	71	-0.1	64	57	9.1	9.9	2.2	1.8	51	14	10-18	13	9-16	183	173-197	105	95-115	72.6	71.5-73.6	78.3	77.0-79.7
52	Dominican Republic	8 373	1.7	72	61	5.4	6.6	3.4	2.8	52	55	50-60	45	41-50	234	222-246	146	136-158	65.5	64.5-66.4	71.6	70.5-72.6
53	Ecuador	12 646	2.1	76	63	6.1	6.9	3.8	2.9	53	41	36-44	33	30-36	199	189-208	120	114-127	68.2	67.5-68.9	74.2	73.6-74.8
54	Egypt	67 884	1.9	78	65	6.0	6.3	4.2	3.1	54	51	46-54	49	45-53	210	201-219	147	140-153	65.4	64.8-66.0	69.1	68.5-69.7
55	El Salvador	6 278	2.1	82	68	6.4	7.2	3.7	3.0	55	40	36-44	33	28-36	250	238-262	148	135-158	66.3	65.4-67.1	73.3	72.4-74.4

Annex Table 1 Basic indicators for all Member States

Member State	POPULATION ESTIMATES								PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)					
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Under age 5 years				Between ages 15 and 59 years				Males		Females			
			1990	2000	1990	2000	1990	2000	1990	2000	Males		Females		Males		Females					
	2000	1990-2000	1990	2000	1990	2000	1990	2000	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval		
56	Equatorial Guinea	457	2.6	87	91	6.4	6.0	5.9	5.9	56	156	137-185	143	127-167	339	270-414	280	224-338	53.5	49.0-57.0	56.2	52.4-59.6
57	Eritrea	3 659	1.7	88	88	4.4	4.7	6.2	5.5	57	142	129-153	130	119-142	493	422-554	441	375-499	49.1	46.6-52.6	51.0	48.3-54.6
58	Estonia	1 393	-1.2	51	47	17.2	20.2	1.9	1.2	58	14	12-16	9	8-12	316	302-328	114	100-122	65.4	64.8-66.1	76.5	75.6-77.8
59	Ethiopia	62 908	2.8	90	93	4.5	4.7	6.9	6.8	59	187	155-215	171	142-197	594	485-684	535	431-624	42.8	39.0-48.3	44.7	40.5-50.5
60	Fiji	814	1.2	69	58	4.9	5.7	3.4	3.1	60	27	20-34	24	18-30	240	221-262	180	160-199	66.9	65.7-68.1	71.2	69.9-72.3
61	Finland	5 172	0.4	49	49	18.5	19.9	1.7	1.6	61	6	5-6	5	4-5	144	141-147	61	58-64	73.7	73.5-74.0	80.9	80.5-81.3
62	France	59 238	0.4	52	53	19.1	20.5	1.8	1.8	62	8	8-9	6	5-6	144	139-148	61	56-64	75.2	74.8-75.5	83.1	82.5-83.8
63	Gabon	1 230	2.8	75	85	9.2	8.7	5.1	5.4	63	118	105-145	109	99-134	380	299-460	330	268-408	54.6	50.3-59.0	56.9	51.9-60.2
64	Gambia	1 303	3.4	81	77	4.8	5.2	5.9	5.0	64	101	85-115	90	77-102	373	305-440	320	261-381	55.9	52.4-59.4	58.7	55.2-62.2
65	Georgia	5 262	-0.4	51	50	15.0	18.7	2.1	1.5	65	30	22-38	19	15-25	250	213-282	133	107-155	65.7	64.0-67.7	71.8	70.3-74.2
66	Germany	82 017	0.3	45	47	20.4	23.2	1.4	1.3	66	6	6-7	5	4-6	127	122-131	60	58-63	74.3	74.0-74.8	80.6	80.3-80.9
67	Ghana	19 306	2.5	93	79	4.6	5.1	5.7	4.4	67	112	104-119	98	89-104	379	344-410	326	295-357	55.0	53.7-56.8	57.9	56.0-59.8
68	Greece	10 610	0.4	49	48	20.0	23.4	1.5	1.3	68	7	6-8	6	5-7	114	110-118	47	44-52	75.4	75.0-75.7	80.8	80.1-81.5
69	Grenada	94	0.3	64	57	9.1	9.9	4.2	3.5	69	25	18-30	22	15-27	202	187-222	159	146-171	70.9	69.5-72.1	73.2	72.1-74.6
70	Guatemala	11 385	2.7	97	89	5.1	5.3	5.6	4.7	70	54	50-59	52	47-56	286	260-308	182	157-200	63.5	62.2-65.2	68.6	67.2-70.6
71	Guinea	8 154	2.9	94	88	4.4	4.4	6.6	6.1	71	174	163-183	156	144-164	432	392-468	366	331-398	49.0	47.4-51.1	52.0	50.4-54.1
72	Guinea-Bissau	1 199	2.4	86	89	5.9	5.6	6.0	6.0	72	215	205-220	197	188-203	495	467-521	427	401-451	44.5	43.4-46.0	46.9	45.7-48.5
73	Guyana	761	0.4	70	55	6.7	6.9	2.6	2.4	73	77	62-91	66	50-80	299	275-335	209	176-235	61.5	59.2-63.2	67.0	64.9-69.8
74	Haiti	8 142	1.7	93	80	5.8	5.6	5.4	4.2	74	111	84-134	96	70-119	524	387-563	373	278-430	49.7	47.0-56.9	56.1	52.4-62.2
75	Honduras	6 417	2.8	93	82	4.5	5.1	5.1	4.0	75	45	40-50	42	38-48	221	200-249	157	140-178	66.3	64.5-67.9	71.0	69.2-72.5
76	Hungary	9 968	-0.4	51	46	19.0	19.7	1.8	1.3	76	11	10-12	8	8-9	295	291-299	123	120-126	66.3	66.1-66.5	75.2	74.9-75.5
77	Iceland	279	0.9	55	54	14.6	15.1	2.2	2.0	77	5	3-8	5	3-6	85	75-95	51	43-59	77.1	75.7-78.6	81.8	80.5-83.9
78	India	1 008 937	1.8	69	62	6.8	7.6	3.9	3.1	78	90	83-97	99	90-108	287	251-310	213	179-236	59.8	58.5-62.0	62.7	60.8-65.6
79	Indonesia	212 092	1.5	66	55	6.2	7.6	3.3	2.4	79	61	54-68	49	43-55	250	232-266	191	177-205	63.4	62.4-64.6	67.4	66.4-68.5
80	Iran, Islamic Republic of	70 330	1.9	89	69	4.7	5.2	5.0	3.0	80	44	35-50	47	38-53	170	159-179	139	128-147	68.1	67.4-69.0	69.9	69.2-70.8
81	Iraq	22 946	2.9	89	80	4.5	4.6	5.9	5.0	81	80	64-94	73	60-90	258	229-289	208	178-236	61.7	59.7-64.0	64.7	62.2-67.0
82	Ireland	3 803	0.8	63	49	15.1	15.2	2.1	2.0	82	6	6-7	5	5-6	108	103-114	62	60-65	74.1	73.6-74.5	79.7	79.3-80.0
83	Israel	6 040	3.0	68	62	12.4	13.2	3.0	2.8	83	8	7-8	6	5-7	99	96-102	56	53-58	76.6	76.3-76.9	80.6	80.3-81.0
84	Italy	57 530	0.1	45	48	21.1	24.1	1.3	1.2	84	7	6-8	6	6-7	110	107-113	53	52-56	76.0	75.6-76.3	82.4	82.0-82.7
85	Jamaica	2 576	0.8	74	63	10.0	9.6	2.8	2.4	85	17	14-20	14	11-17	169	147-180	127	110-140	72.8	72.0-74.7	76.6	75.3-78.3
86	Japan	127 096	0.3	44	47	17.4	23.2	1.6	1.4	86	5	5-6	4	4-5	98	96-99	44	42-45	77.5	77.4-77.7	84.7	84.4-85.1
87	Jordan	4 913	4.2	100	75	4.8	4.5	5.8	4.5	87	25	21-29	22	17-25	199	178-217	144	128-148	68.5	67.4-70.0	72.5	72.1-73.8
88	Kazakhstan	16 172	-0.3	60	51	9.6	11.2	2.7	2.0	88	80	75-80	60	56-64	366	350-375	201	182-215	58.0	57.6-58.9	68.4	67.2-70.0
89	Kenya	30 669	2.7	109	86	4.1	4.2	6.1	4.4	89	107	99-114	98	90-105	578	533-617	529	486-568	48.2	46.2-50.3	49.6	47.5-51.8
90	Kiribati	83	1.5	69	76	6.0	6.8	4.4	4.6	90	93	79-104	74	61-85	269	210-319	208	172-259	60.4	57.8-64.0	64.5	61.2-67.3
91	Kuwait	1 914	-1.1	61	50	2.1	4.4	3.6	2.8	91	13	11-17	12	9-15	100	93-107	68	62-74	74.2	73.5-75.0	76.8	76.0-77.6
92	Kyrgyzstan	4 921	1.1	74	67	8.3	9.0	3.7	2.6	92	70	62-78	58	50-67	335	306-364	175	152-200	60.0	58.5-61.7	68.8	66.8-70.8
93	Lao People's Democratic Republic	5 279	2.5	91	86	6.1	5.6	6.1	5.1	93	152	130-189	134	120-169	355	323-422	299	271-339	52.2	47.4-54.9	56.1	52.0-58.3
94	Latvia	2 421	-1.0	50	47	17.7	20.9	1.9	1.1	94	20	12-25	14	11-16	328	315-355	122	112-134	64.2	62.8-64.9	75.5	74.5-76.5
95	Lebanon	3 496	2.6	67	59	8.1	8.5	3.2	2.2	95	22	17-27	18	14-22	192	168-215	136	121-151	69.1	67.7-70.7	73.3	72.2-74.7
96	Lesotho	2 035	1.9	81	77	6.0	6.5	5.2	4.6	96	159	143-172	150	134-164	667	572-742	630	536-706	42.0	38.8-45.7	42.2	38.6-47.3
97	Liberia	2 913	3.1	118	84	5.1	4.5	6.8	6.8	97	205	173-233	187	161-211	448	367-521	385	312-452	46.6	43.3-51.3	49.1	45.7-53.9
98	Libyan Arab Jamahiriya	5 290	2.1	86	60	4.2	5.5	4.9	3.6	98	31	25-37	29	23-34	210	192-228	157	143-171	67.5	66.4-68.7	71.0	70.0-72.2
99	Lithuania	3 696	-0.1	50	49	16.1	18.6	1.9	1.3	99	15	11-17	12	9-14	286	270-300	106	98-110	66.9	66.1-67.8	77.2	76.7-78.2
100	Luxembourg	437	1.4	44	49	18.9	19.4	1.6	1.7	100	5	4-7	5	4-6	135	122-148	64	57-72	73.9	73.0-74.8	80.8	79.8-82.1
101	Madagascar	15 970	2.9	92	91	4.8	4.7	6.3	5.9	101	156	147-162	142	134-149	385	348-417	322	290-350	51.7	50.3-53.7	54.6	53.2-56.6
102	Malawi	11 308	1.8	99	97	4.3	4.6	7.3	6.5	102	229	206-251	211	190-234	701	604-779	653	557-733	37.1	33.6-41.1	37.8	34.0-42.2
103	Malaysia	22 218	2.2	67	62	5.8	6.6	3.8	3.1	103	15	13-18	12	10-15	202	186-218	113	100-125	68.3	67.4-69.4	74.1	73.1-75.3
104	Maldives	291	3.0	99	89	5.4	5.3	6.4	5.6	104	62	45-80	66	45-85	228	209-248	226	199-248	64.6	62.9-66.2	64.4	62.4-66.7
105	Mali	11 351	2.6	97	100	5.2	5.7	7.0	7.0	105	231	216-241	220	206-230	518	452-578	446	387-501	42.7	40.3-45.2	44.6	42.2-47.3
106	Malta	390	0.8	51	48	14.7	17.0	2.0	1.8	106	10	8-11	6	4-7	111	103-119	46	41-55	75.4	74.7-76.2	80.7	79.3-82.0
107	Marshall Islands	51	1.4	69	76	6.0	6.8	5.6	5.9	107	48	41-56	39	32-47	302	275-324	230	213-248	62.8	61.4-64.3	67.8	66.6-69.0
108	Mauritania	2 665	2.9	93	90	4.9	4.7	6.2	6.0	108	175	161-186	168	154-179	357	304-410	302	256-347	51.7	49.2-54.2	53.5	51.1-56.2
109	Mauritius	1 161	0.9	54	47	8.3	9.0	2.2	2.0	109	21	20-25	16	16-20	228	220-240	109	106-116	67.6	67.0-68.1	74.6	74.1-75.0
110	Mexico	98 872	1.7	74	61	5.9	6.9	3.4	2.6	110	31	27-35	25	22-28	180	167-187	101	96-106	71.0	70.4-72.0	76.2	75.7-76.8

Annex Table 1 Basic indicators for all Member States

Member State	POPULATION ESTIMATES								PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)					
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Under age 5 years				Between ages 15 and 59 years				Males		Females			
			1990	2000	1990	2000	1990	2000	1990	2000	Males		Females		Males		Females		2000	Uncertainty interval	2000	Uncertainty interval
											2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval				
111	Micronesia, Federated States of	123	2.6	69	76	6.0	6.8	4.8	5.1	111	61	45-79	48	35-64	243	211-270	188	160-209	63.7	61.6-66.1	67.7	65.8-69.9
112	Monaco	33	1.1	52	53	19.1	20.5	1.8	1.7	112	7	3-10	5	3-10	123	93-140	54	45-75	76.8	75.2-79.8	84.4	81.6-86.4
113	Mongolia	2 533	1.3	84	64	5.8	5.6	4.1	2.5	113	92	75-109	76	60-90	280	265-305	199	184-214	61.2	59.1-62.6	66.9	65.4-68.4
114	Morocco	29 878	2.0	77	63	6.0	6.4	4.3	3.2	114	68	60-75	59	52-66	174	159-183	113	105-130	66.1	65.2-67.4	70.4	68.7-71.4
115	Mozambique	18 292	3.0	89	89	5.1	5.1	6.5	6.1	115	227	217-232	208	199-214	674	634-712	612	573-646	37.9	36.7-39.5	39.5	38.2-41.2
116	Myanmar	47 749	1.7	71	61	6.8	6.8	4.0	3.1	116	111	96-136	97	84-122	343	320-380	245	225-285	56.2	53.5-58.0	61.1	57.6-62.8
117	Namibia	1 757	2.5	88	90	5.5	5.6	6.0	5.1	117	125	109-139	119	106-131	695	585-777	661	568-735	42.8	39.2-48.1	42.6	39.2-47.6
118	Nauru	12	2.6	69	76	6.0	6.8	4.3	4.6	118	16	14-21	11	9-15	480	374-567	310	225-399	58.8	55.3-62.9	66.6	62.5-71.3
119	Nepal	23 043	2.4	81	81	5.8	5.9	5.2	4.7	119	101	90-110	116	108-124	314	288-337	314	292-337	58.5	56.8-60.5	58.0	56.5-59.7
120	Netherlands	15 864	0.6	45	47	17.3	18.3	1.6	1.5	120	7	6-8	5	5-6	95	92-100	64	61-67	75.4	74.9-76.0	81.0	80.4-81.5
121	New Zealand	3 778	1.2	53	53	15.3	15.6	2.1	2.0	121	7	6-8	6	4-6	108	100-114	69	63-78	75.9	75.2-76.7	80.9	79.8-81.9
122	Nicaragua	5 071	2.9	97	84	4.4	4.6	4.9	4.1	122	49	44-52	39	35-44	225	211-241	161	151-171	66.4	65.4-67.5	71.1	70.2-72.0
123	Niger	10 832	3.5	109	108	3.5	3.3	8.1	8.0	123	257	231-264	252	234-259	473	402-537	408	351-461	42.7	40.5-46.1	43.9	42.1-46.7
124	Nigeria	113 862	2.9	97	93	4.7	4.8	6.5	5.7	124	158	149-164	151	142-157	443	402-478	393	356-426	49.8	48.3-51.9	51.4	49.8-53.6
125	Niue	2	-1.4	70	65	5.7	6.8	3.3	2.6	125	34	24-46	28	18-39	181	151-219	144	100-159	69.5	66.7-71.9	72.8	71.4-77.3
126	Norway	4 469	0.5	54	54	21.0	19.6	1.8	1.8	126	5	5-6	4	4-5	105	100-108	60	56-62	75.7	75.5-76.0	81.4	80.9-82.0
127	Oman	2 538	3.6	95	87	3.8	4.2	7.0	5.7	127	20	15-25	17	14-22	187	171-204	135	123-147	69.5	68.4-70.6	73.5	72.6-74.5
128	Pakistan	141 256	2.6	83	83	5.5	5.8	6.0	5.3	128	120	104-134	132	109-139	221	192-237	198	179-227	60.1	58.6-62.5	60.7	58.6-63.1
129	Palau	19	2.3	69	76	6.0	6.8	2.6	2.8	129	26	18-32	22	16-30	264	255-285	183	163-200	64.7	63.6-65.2	69.3	68.4-70.3
130	Panama	2 856	1.8	67	58	7.3	8.1	3.0	2.5	130	28	24-31	22	21-27	145	136-155	93	90-98	71.5	70.7-72.2	76.3	75.8-76.7
131	Papua New Guinea	4 809	2.5	79	74	4.2	4.1	5.1	4.5	131	118	85-134	109	74-124	359	336-395	329	310-370	55.1	52.8-57.7	57.5	54.8-60.0
132	Paraguay	5 496	2.7	84	75	5.4	5.3	4.7	4.0	132	35	28-38	31	25-35	173	157-189	129	115-147	70.2	69.0-71.5	74.2	72.4-75.7
133	Peru	25 662	1.8	73	62	6.1	7.2	3.7	2.8	133	53	48-56	48	44-52	190	178-201	139	128-151	66.7	65.9-67.6	71.6	70.4-72.7
134	Philippines	75 653	2.2	79	70	4.9	5.5	4.3	3.4	134	44	40-47	37	33-40	249	235-267	142	126-155	64.6	63.6-65.5	71.1	70.0-72.7
135	Poland	38 605	0.1	54	46	14.9	16.6	2.0	1.4	135	12	11-13	11	9-12	226	222-232	88	84-92	69.2	68.9-69.5	77.7	77.2-78.2
136	Portugal	10 016	0.1	51	48	19.0	20.8	1.6	1.5	136	10	9-11	7	6-8	164	161-169	66	64-70	71.7	71.4-72.0	79.3	78.8-79.8
137	Qatar	565	2.2	42	39	2.1	3.1	4.4	3.5	137	20	17-23	13	11-15	173	170-177	121	117-124	70.4	70.1-70.7	75.0	74.6-75.4
138	Republic of Korea	46 740	0.9	45	39	7.7	11.0	1.6	1.5	138	10	7-14	9	7-13	186	160-210	71	60-85	70.5	69.1-72.2	78.3	76.8-79.8
139	Republic of Moldova	4 295	-0.2	57	48	12.8	13.7	2.4	1.5	139	26	23-29	21	18-24	325	310-340	165	152-178	63.1	62.4-63.8	70.5	69.6-71.4
140	Romania	22 438	-0.3	51	46	15.7	18.8	1.9	1.3	140	25	22-27	21	18-23	260	245-275	117	105-125	66.2	65.5-67.0	73.5	72.7-74.6
141	Russian Federation	145 491	-0.2	49	44	16.0	18.5	1.8	1.2	141	23	22-25	17	16-19	428	394-453	156	143-161	59.4	58.4-60.8	72.0	71.6-73.0
142	Rwanda	7 609	1.2	99	88	4.1	4.2	6.9	6.0	142	219	202-227	199	182-207	667	604-722	599	537-653	38.5	36.8-41.1	40.5	38.6-43.3
143	Saint Kitts and Nevis	38	-0.8	64	57	9.1	9.9	2.8	2.4	143	25	22-28	22	18-25	243	219-258	148	133-162	66.1	65.3-67.3	72.0	70.8-73.3
144	Saint Lucia	148	1.2	78	61	8.8	7.8	3.4	2.6	144	20	17-24	14	13-19	210	200-225	135	125-150	69.2	68.2-69.9	74.2	73.1-75.2
145	Saint Vincent and the Grenadines	113	0.7	64	57	9.1	9.9	2.3	1.9	145	20	17-25	17	15-22	246	230-269	165	149-181	67.7	66.5-68.7	73.3	72.2-74.8
146	Samoa	159	-0.1	80	84	6.1	6.8	4.8	4.4	146	37	32-44	30	22-36	242	226-261	151	140-164	66.7	65.5-67.7	72.9	71.8-74.0
147	San Marino	27	1.4	45	48	21.1	24.1	1.7	1.5	147	8	7-11	9	7-10	81	75-89	38	35-43	76.1	75.1-77.2	83.8	82.8-84.7
148	Sao Tome and Principe	138	1.9	93	78	7.0	6.5	6.3	6.1	148	94	66-110	97	65-114	269	250-308	226	211-246	60.3	57.8-62.5	61.9	60.0-64.2
149	Saudi Arabia	20 346	2.8	84	85	4.1	4.8	6.9	5.8	149	40	35-45	26	22-30	181	166-195	116	105-126	68.1	67.1-69.1	73.5	72.7-74.5
150	Senegal	9 421	2.5	94	88	4.7	4.2	6.3	5.3	150	141	133-148	133	125-140	355	321-384	303	272-328	54.0	52.6-56.0	56.1	54.7-58.1
151	Seychelles	80	1.5	54	47	8.3	9.0	2.2	1.9	151	16	14-18	12	10-14	268	240-296	122	105-145	66.5	65.2-67.9	74.2	72.4-76.2
152	Sierra Leone	4 405	0.8	87	89	5.0	4.8	6.5	6.5	152	292	237-324	265	213-286	587	482-683	531	436-625	37.0	32.9-43.3	38.8	35.3-44.7
153	Singapore	4 018	2.9	37	41	8.4	10.6	1.7	1.5	153	5	4-6	4	4-5	114	110-120	61	57-66	75.4	74.7-76.0	80.2	79.5-81.1
154	Slovakia	5 399	0.3	55	45	14.8	15.4	2.0	1.3	154	11	9-12	8	8-10	216	211-222	83	81-87	69.2	68.8-69.6	77.5	77.2-77.9
155	Slovenia	1 988	0.4	45	42	17.1	19.2	1.5	1.2	155	6	6-8	5	4-6	170	164-174	76	72-81	71.9	71.5-72.3	79.4	78.9-80.2
156	Solomon Islands	447	3.5	95	90	4.6	4.2	5.9	5.4	156	37	31-43	27	21-33	221	176-259	154	112-193	66.6	64.4-69.6	71.4	68.5-75.3
157	Somalia	8 778	2.1	102	101	4.3	3.9	7.3	7.3	157	221	211-225	199	191-205	516	480-548	452	420-482	43.8	42.6-45.4	45.9	44.7-47.6
158	South Africa	43 309	1.8	71	60	5.0	5.7	3.6	3.0	158	90	86-92	78	74-82	567	545-585	502	487-521	49.6	48.8-50.6	52.1	51.0-53.0
159	Spain	39 910	0.2	50	46	19.2	21.8	1.4	1.1	159	6	6-7	5	5-6	122	118-128	49	47-51	75.4	74.7-75.8	82.3	82.0-82.6
160	Sri Lanka	18 924	1.1	59	48	8.0	9.3	2.6	2.1	160	24	21-28	17	14-20	244	224-284	124	119-140	67.6	65.1-68.9	75.3	73.8-76.0
161	Sudan	31 095	2.3	83	77	5.0	5.5	5.5	4.7	161	124	108-138	117	102-131	341	277-399	291	235-340	55.4	52.9-59.1	57.8	55.1-61.5
162	Suriname	417	0.4	68	56	6.8	8.1	2.7	2.1	162	29	25-35	21	18-26	230	204-255	138	118-160	68.0	66.6-69.6	73.5	71.8-75.3
163	Swaziland	925	1.9	90	82	4.9	5.3	5.6	4.6	163	135	99-169	123	93-153	627	513-718	587	473-678	44.7	39.4-50.7	45.6	40.8-52.0
164	Sweden	8 842	0.3	56	55	22.8	22.4	2.0	1.4	164	5	4-5	3	3-4	87	85-91	56	52-57	77.3	77.0-77.6	82.0	81.7-82.4
165	Switzerland	7 170	0.5	45	48	19.1	21.3	1.5	1.4	165	6	6-7	6	5-6	99	97-104	58	56-61	76.7	76.3-77.0	82.5	82.1-82.9

Annex Table 1 Basic indicators for all Member States

Member State	POPULATION ESTIMATES								PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)					
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Under age 5 years				Between ages 15 and 59 years				Males		Females			
			1990	2000	1990	2000	1990	2000	1990	2000	Males		Females		Males		Females					
	2000	1990-2000	1990	2000	1990	2000	1990	2000	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval	2000	Uncertainty interval		
166	Syrian Arab Republic	16 189	2.7	102	78	4.4	4.7	5.7	3.8	166	32	30 - 38	28	25 - 32	170	160 - 184	132	125 - 144	69.3	68.4 - 69.9	72.4	71.6 - 73.0
167	Tajikistan	6 087	1.4	89	78	6.2	6.8	4.9	3.3	167	85	76 - 96	82	75 - 97	293	264 - 313	204	176 - 224	60.4	59.0 - 62.3	64.7	63.0 - 66.9
168	Thailand	62 806	1.4	56	47	6.2	8.1	2.3	2.1	168	35	31 - 38	32	28 - 35	245	230 - 260	150	130 - 164	66.0	65.0 - 67.1	72.4	71.1 - 74.2
169	The former Yugoslav Republic of Macedonia	2 034	0.6	51	48	11.5	14.4	2.0	1.7	169	16	14 - 20	15	13 - 18	160	153 - 167	89	85 - 92	70.2	69.8 - 70.8	74.8	74.5 - 75.3
170	Togo	4 527	2.7	95	90	4.8	4.9	6.3	5.6	170	138	124 - 149	121	108 - 133	460	392 - 519	406	344 - 460	50.5	48.1 - 54.0	53.0	50.5 - 56.6
171	Tonga	99	0.3	70	65	5.7	6.8	4.8	3.8	171	29	24 - 33	19	15 - 23	226	211 - 236	159	145 - 160	67.4	66.8 - 68.3	72.9	72.6 - 73.9
172	Trinidad and Tobago	1 294	0.6	66	46	8.7	9.6	2.4	1.6	172	16	13 - 22	13	10 - 18	209	176 - 229	133	124 - 144	68.5	67.4 - 70.5	73.8	72.8 - 74.7
173	Tunisia	9 459	1.5	72	55	6.6	8.4	3.6	2.2	173	29	24 - 32	34	31 - 40	169	158 - 182	99	91 - 113	69.2	68.3 - 70.0	73.4	71.9 - 74.3
174	Turkey	66 668	1.7	65	56	7.1	8.4	3.4	2.5	174	49	45 - 52	45	41 - 48	218	201 - 220	120	107 - 126	66.8	66.6 - 68.0	72.5	71.9 - 74.0
175	Turkmenistan	4 737	2.6	79	72	6.2	6.5	4.3	3.4	175	59	54 - 66	52	49 - 60	343	328 - 353	217	201 - 224	60.0	59.3 - 60.8	64.9	64.3 - 66.0
176	Tuvalu	10	1.5	70	65	5.7	6.8	3.5	2.8	176	43	30 - 55	40	30 - 50	262	242 - 287	198	182 - 227	63.6	62.0 - 64.8	67.6	65.7 - 68.7
177	Uganda	23 300	3.1	103	107	4.1	3.8	7.1	7.1	177	165	148 - 178	151	138 - 165	617	531 - 686	567	486 - 637	43.5	40.8 - 47.3	44.6	41.7 - 48.7
178	Ukraine	49 568	-0.5	51	46	18.5	20.5	1.8	1.2	178	18	17 - 19	13	12 - 14	365	353 - 378	135	129 - 140	62.6	62.0 - 63.1	73.3	72.9 - 73.8
179	United Arab Emirates	2 606	2.6	45	40	2.5	5.1	4.2	3.0	179	16	13 - 19	14	11 - 16	143	128 - 157	93	84 - 102	72.3	71.2 - 73.5	76.4	75.4 - 77.7
180	United Kingdom	59 415	0.3	54	53	20.9	20.6	1.8	1.7	180	7	7 - 8	6	5 - 6	109	108 - 112	67	65 - 68	74.8	74.6 - 75.0	79.9	79.7 - 80.2
181	United Republic of Tanzania	35 119	3.0	96	90	3.7	4.0	6.1	5.3	181	150	143 - 153	140	135 - 145	569	554 - 583	520	508 - 531	45.8	45.1 - 46.7	47.2	46.4 - 47.9
182	United States of America	283 230	1.1	52	52	16.6	16.1	2.0	2.0	182	9	9 - 10	8	7 - 8	147	143 - 149	84	83 - 85	73.9	73.7 - 74.2	79.5	79.3 - 79.6
183	Uruguay	3 337	0.7	60	60	16.4	17.2	2.5	2.3	183	19	18 - 21	14	13 - 16	185	182 - 188	89	86 - 92	70.0	69.8 - 70.3	77.9	77.5 - 78.2
184	Uzbekistan	24 881	1.9	82	69	6.5	7.1	4.0	2.6	184	69	64 - 72	57	52 - 60	282	270 - 290	176	165 - 185	62.1	61.6 - 62.9	68.0	67.3 - 68.9
185	Vanuatu	197	2.8	91	83	5.3	5.0	4.9	4.4	185	57	42 - 72	45	32 - 57	240	169 - 303	185	134 - 243	64.2	60.5 - 69.1	68.1	64.2 - 72.3
186	Venezuela, Bolivarian Republic of	24 170	2.2	72	63	5.7	6.6	3.5	2.9	186	26	22 - 30	21	18 - 26	178	170 - 185	99	96 - 105	70.6	70.0 - 71.2	76.5	75.8 - 77.0
187	Viet Nam	78 137	1.7	78	63	7.3	7.5	3.7	2.4	187	38	35 - 41	30	27 - 33	203	188 - 217	139	128 - 151	66.7	65.7 - 67.8	71.0	69.9 - 72.0
188	Yemen	18 349	4.7	106	110	4.1	3.6	7.6	7.6	188	104	96 - 111	96	89 - 101	278	251 - 305	226	205 - 242	59.3	57.6 - 60.9	62.0	60.9 - 63.5
189	Yugoslavia	10 552	0.4	49	50	15.2	18.3	2.1	1.7	189	18	16 - 20	15	14 - 17	180	175 - 181	100	98 - 102	69.8	69.6 - 70.1	74.7	74.5 - 75.0
190	Zambia	10 421	2.6	95	98	4.4	4.5	6.3	5.9	190	170	150 - 185	156	143 - 170	725	630 - 798	687	600 - 754	39.2	36.1 - 43.8	39.5	36.5 - 43.7
191	Zimbabwe	12 627	2.1	95	94	4.6	4.7	5.8	4.8	191	108	101 - 111	98	91 - 101	650	628 - 662	612	596 - 631	45.4	44.7 - 46.5	46.0	44.9 - 47.1

Annex Table 2 Deaths by cause, sex and mortality stratum in WHO Regions, ^a estimates for 2000

Cause ^b	SEX						AFRICA			THE AMERICAS			Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			
	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult		High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult			
Population (000)	6 045 172		3 045 372		2 999 800		294 099	345 533	325 186	430 951	71 235	Population (000)	139 071	342 584	411 910	218 473	243 192	293 821	1 241 813	154 358	1 532 946	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	
TOTAL DEATHS	55 694	100	29 696	100	25 998	100	4 245	6 327	2 778	2 587	510	TOTAL DEATHS	690	3 346	4 076	1 952	3 636	2 142	12 015	1 152	10 238	
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	17 777	31.9	9 282	31.3	8 495	32.7	2 893	4 597	203	475	185	I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	153	1 556	240	221	152	604	4 913	131	1 454	
Infectious and parasitic diseases	10 457	18.8	5 637	19.0	4 819	18.5	1 969	3 467	60	213	93	Infectious and parasitic diseases	84	836	49	85	86	332	2 540	25	618	
Tuberculosis	1 660	3.0	1 048	3.5	613	2.4	146	235	2	33	22	Tuberculosis	7	129	6	19	49	157	517	6	336	
STDs excluding HIV	217	0.4	119	0.4	97	0.4	43	58	0	1	0	STDs excluding HIV	0	12	0	2	1	95	0	3		
Syphilis	197	0.4	118	0.4	79	0.3	42	56	0	0	0	Syphilis	0	10	0	1	0	85	0	2		
Chlamydia	7	0.0	0	0.0	7	0.0	1	1	0	0	0	Chlamydia	0	0	0	0	0	4	0	0		
Gonorrhoea	4	0.0	0	0.0	4	0.0	1	1	0	0	0	Gonorrhoea	0	0	0	0	0	2	0	0		
HIV/AIDS	2 943	5.3	1 500	5.0	1 443	5.6	517	1 875	15	34	23	HIV/AIDS	0	54	10	1	10	37	334	0	32	
Diarrhoeal diseases	2 124	3.8	1 178	4.0	946	3.6	272	433	2	49	27	Diarrhoeal diseases	24	262	2	27	4	30	921	1	71	
Childhood diseases	1 385	2.5	693	2.3	692	2.7	432	308	0	2	6	Childhood diseases	1	196	0	8	0	43	337	0	52	
Pertussis	296	0.5	148	0.5	148	0.6	92	74	0	1	6	Pertussis	0	57	0	0	0	1	62	0	2	
Poliomyelitis	1	0.0	0	0.0	0	0.0	0	0	0	0	0	Poliomyelitis	0	0	0	0	0	0	0	0	0	
Diphtheria	3	0.0	2	0.0	2	0.0	1	1	0	0	0	Diphtheria	0	0	0	0	0	0	1	0	0	
Measles	777	1.4	388	1.3	388	1.5	264	188	0	0	0	Measles	0	81	0	7	0	34	168	0	34	
Tetanus	309	0.6	154	0.5	154	0.6	75	45	0	1	1	Tetanus	0	57	0	0	0	8	105	0	17	
Meningitis	156	0.3	87	0.3	69	0.3	19	23	1	9	1	Meningitis	2	22	2	7	5	12	42	1	11	
Hepatitis ^c	128	0.2	70	0.2	57	0.2	15	18	5	3	1	Hepatitis ^c	3	7	4	5	2	5	32	5	22	
Malaria	1 080	1.9	522	1.8	558	2.1	489	477	0	1	1	Malaria	0	47	0	0	0	8	43	0	13	
Tropical diseases	124	0.2	76	0.3	48	0.2	33	30	0	20	3	Tropical diseases	1	5	0	0	0	0	30	0	2	
Trypanosomiasis	50	0.1	32	0.1	18	0.1	25	24	0	0	0	Trypanosomiasis	0	1	0	0	0	0	0	0	0	
Chagas disease	21	0.0	12	0.0	9	0.0	0	0	0	18	3	Chagas disease	0	0	0	0	0	0	0	0	0	
Schistosomiasis	11	0.0	8	0.0	3	0.0	3	2	0	1	0	Schistosomiasis	1	2	0	0	0	0	0	0	2	
Leishmaniasis	41	0.1	23	0.1	18	0.1	5	4	0	0	0	Leishmaniasis	0	2	0	0	0	0	30	0	0	
Lymphatic filariasis	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Lymphatic filariasis	0	0	0	0	0	0	0	0	0	
Onchocerciasis	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Onchocerciasis	0	0	0	0	0	0	0	0	0	
Leprosy	2	0.0	2	0.0	1	0.0	0	0	0	0	0	Leprosy	0	0	0	0	0	0	1	0	0	
Dengue	12	0.0	8	0.0	4	0.0	0	0	0	0	0	Dengue	0	1	0	0	0	1	10	0	1	
Japanese encephalitis	4	0.0	1	0.0	2	0.0	0	0	0	0	0	Japanese encephalitis	0	0	0	0	0	0	0	0	3	
Trachoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Trachoma	0	0	0	0	0	0	0	0	0	
Intestinal nematode infections	17	0.0	9	0.0	8	0.0	1	2	0	2	1	Intestinal nematode infections	0	2	0	0	0	1	5	0	3	
Ascariasis	6	0.0	3	0.0	3	0.0	0	1	0	1	0	Ascariasis	0	1	0	0	0	0	1	0	1	
Trichuriasis	2	0.0	1	0.0	1	0.0	0	0	0	0	0	Trichuriasis	0	0	0	0	0	0	0	0	1	
Hookworm disease	6	0.0	4	0.0	2	0.0	1	1	0	0	0	Hookworm disease	0	0	0	0	0	0	3	0	0	
Respiratory infections	3 941	7.1	2 121	7.1	1 821	7.0	460	622	115	104	43	Respiratory infections	40	330	168	86	44	142	1 221	102	463	
Lower respiratory infections	3 866	6.9	2 084	7.0	1 782	6.9	454	614	115	102	42	Lower respiratory infections	39	327	165	85	42	141	1 199	101	439	
Upper respiratory infections	69	0.1	34	0.1	35	0.1	4	5	0	1	1	Upper respiratory infections	1	3	3	1	1	22	1	24		
Otitis media	6	0.0	3	0.0	3	0.0	1	2	0	0	0	Otitis media	0	0	0	0	0	1	0	0		
Maternal conditions	495	0.9	0	0.0	495	1.9	97	146	0	13	7	Maternal conditions	3	62	0	2	1	21	122	0	19	
Perinatal conditions	2 439	4.4	1 307	4.4	1 133	4.4	296	281	17	106	28	Perinatal conditions	20	284	11	42	19	90	919	2	321	
Nutritional deficiencies	445	0.8	218	0.7	227	0.9	70	81	10	39	13	Nutritional deficiencies	5	43	11	6	2	19	110	1	32	
Protein–energy malnutrition	271	0.5	137	0.5	134	0.5	49	52	5	28	8	Protein–energy malnutrition	2	23	3	2	1	8	66	1	22	
Iodine deficiency	9	0.0	5	0.0	5	0.0	1	2	0	0	0	Iodine deficiency	0	2	0	0	0	0	3	0	0	
Vitamin A deficiency	41	0.1	17	0.1	24	0.1	11	13	0	0	0	Vitamin A deficiency	0	6	0	0	0	0	10	0	0	
Iron-deficiency anaemia	103	0.2	49	0.2	53	0.2	8	13	6	11	2	Iron-deficiency anaemia	1	8	8	3	2	6	27	0	7	

Annex Table 2 Deaths by cause, sex and mortality stratum in WHO Regions, ^a estimates for 2000

Cause ^b	SEX						AFRICA			THE AMERICAS			Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			
	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult		High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult			
Population (000)	6 045 172		3 045 372		2 999 800		294 099	345 533	325 186	430 951	71 235	Population (000)	139 071	342 584	411 910	218 473	243 192	293 821	1 241 813	154 358	1 532 946	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	
II. Noncommunicable conditions	32 855	59.0	16 998	57.2	15 856	61.0	1 043	1 286	2 397	1 779	276	II. Noncommunicable conditions	459	1 530	3 637	1 588	3 009	1 307	5 961	942	7 640	
Malignant neoplasms	6 930	12.4	3 918	13.2	3 011	11.6	228	305	652	371	50	Malignant neoplasms	78	164	1 056	290	536	226	877	341	1 756	
Mouth and oropharynx cancers	340	0.6	242	0.8	98	0.4	11	22	11	10	2	Mouth and oropharynx cancers	2	20	25	9	18	18	152	6	34	
Oesophagus cancer	413	0.7	274	0.9	139	0.5	5	21	16	14	1	Oesophagus cancer	4	10	28	11	15	3	68	12	205	
Stomach cancer	744	1.3	464	1.6	280	1.1	18	18	19	42	10	Stomach cancer	10	7	70	33	83	9	55	56	313	
Colon/rectum cancer	579	1.0	303	1.0	276	1.1	11	15	77	26	3	Colon/rectum cancer	5	7	141	29	67	23	32	44	100	
Liver cancer	626	1.1	433	1.5	193	0.7	28	35	15	14	3	Liver cancer	4	7	38	9	20	26	26	35	365	
Pancreas cancer	214	0.4	114	0.4	100	0.4	3	5	34	13	1	Pancreas cancer	2	1	52	12	30	4	11	20	26	
Trachea/bronchus/lung cancers	1 213	2.2	895	3.0	318	1.2	9	14	182	47	3	Trachea/bronchus/lung cancers	11	20	206	59	109	35	118	62	339	
Melanoma and other skin cancers	65	0.1	35	0.1	30	0.1	4	5	13	5	0	Melanoma and other skin cancers	1	1	15	4	9	1	2	3	2	
Breast cancer	459	0.8	0	0.0	458	1.8	14	24	56	28	3	Breast cancer	5	12	91	21	43	26	78	12	46	
Cervix uteri cancer	288	0.5	0	0.0	288	1.1	21	38	6	17	6	Cervix uteri cancer	5	14	8	8	13	15	102	3	33	
Corpus uteri cancer	76	0.1	0	0.0	76	0.3	1	2	9	10	1	Corpus uteri cancer	1	1	16	6	13	2	2	3	9	
Ovary cancer	128	0.2	0	0.0	128	0.5	3	7	16	6	1	Ovary cancer	1	3	26	5	17	7	17	5	15	
Prostate cancer	258	0.5	258	0.9	0	0.0	24	19	45	26	3	Prostate cancer	3	4	71	9	14	6	15	11	9	
Bladder cancer	157	0.3	117	0.4	40	0.2	8	6	16	6	1	Bladder cancer	3	9	37	9	18	5	15	6	18	
Lymphomas, multiple myeloma	291	0.5	173	0.6	118	0.5	18	19	47	16	3	Lymphomas, multiple myeloma	5	12	54	9	14	14	40	14	27	
Leukaemia	265	0.5	145	0.5	119	0.5	8	12	27	18	3	Leukaemia	7	9	37	9	15	12	38	9	62	
Other neoplasms	115	0.2	59	0.2	56	0.2	1	2	10	9	2	Other neoplasms	1	4	27	3	5	26	5	10	10	
Diabetes mellitus	810	1.5	345	1.2	465	1.8	19	35	76	120	23	Diabetes mellitus	11	52	86	26	25	50	146	17	123	
Nutritional/endocrine disorders	224	0.4	103	0.3	121	0.5	17	20	29	24	6	Nutritional/endocrine disorders	3	25	24	2	2	15	16	8	33	
Neuropsychiatric disorders	948	1.7	477	1.6	472	1.8	31	44	135	51	13	Neuropsychiatric disorders	11	73	158	27	33	51	169	20	131	
Unipolar depressive disorders	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Unipolar depressive disorders	0	0	0	0	0	0	0	0	0	
Bipolar affective disorder	4	0.0	1	0.0	3	0.0	0	0	0	0	0	Bipolar affective disorder	0	0	0	0	0	0	3	0	0	
Schizophrenia	17	0.0	8	0.0	9	0.0	0	0	1	0	0	Schizophrenia	1	1	1	0	0	2	6	0	5	
Epilepsy	98	0.2	59	0.2	38	0.1	9	15	2	6	2	Epilepsy	2	5	6	5	4	5	19	1	18	
Alcohol use disorders	84	0.2	73	0.2	12	0.0	2	5	8	13	4	Alcohol use disorders	0	2	13	5	9	5	7	1	11	
Alzheimer's and other dementias	276	0.5	93	0.3	183	0.7	2	3	61	7	1	Alzheimer's and other dementias	1	5	76	4	7	20	37	7	48	
Parkinson disease	90	0.2	44	0.1	45	0.2	2	2	16	2	0	Parkinson disease	1	4	21	1	1	2	10	4	24	
Multiple sclerosis	17	0.0	6	0.0	10	0.0	0	0	3	1	0	Multiple sclerosis	0	0	4	1	2	0	3	0	1	
Drug use disorders	15	0.0	14	0.0	2	0.0	0	0	2	1	0	Drug use disorders	0	0	4	0	0	1	3	1	3	
Post-traumatic stress disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Post-traumatic stress disorder	0	0	0	0	0	0	0	0	0	
Obsessive-compulsive disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Obsessive-compulsive disorder	0	0	0	0	0	0	0	0	0	
Panic disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Panic disorder	0	0	0	0	0	0	0	0	0	
Insomnia (primary)	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Insomnia (primary)	0	0	0	0	0	0	0	0	0	
Migraine	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Migraine	0	0	0	0	0	0	0	0	0	
Sense organ disorders	7	0.0	3	0.0	4	0.0	0	0	0	0	0	Sense organ disorders	0	0	0	0	0	0	1	0	3	
Glaucoma	1	0.0	0	0.0	0	0.0	0	0	0	0	0	Glaucoma	0	0	0	0	0	0	0	0	0	
Cataracts	1	0.0	0	0.0	1	0.0	0	0	0	0	0	Cataracts	0	0	0	0	0	0	0	0	1	
Hearing loss, adult onset	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Hearing loss, adult onset	0	0	0	0	0	0	0	0	0	
Cardiovascular diseases	16 701	30.0	8 195	27.6	8 506	32.7	460	514	1 138	786	98	Cardiovascular diseases	276	811	1 797	1 051	2 125	598	3 493	406	3 147	
Rheumatic heart disease	332	0.6	137	0.5	195	0.7	13	16	6	6	3	Rheumatic heart disease	4	17	12	10	16	11	106	3	110	
Ischaemic heart disease	6 894	12.4	3 625	12.2	3 269	12.6	162	167	581	306	29	Ischaemic heart disease	136	288	762	472	1 115	237	1 706	140	792	
Cerebrovascular disease	5 101	9.2	2 406	8.1	2 695	10.4	137	166	197	229	24	Cerebrovascular disease	58	158	470	276	741	181	625	173	1 667	
Inflammatory heart disease	395	0.7	216	0.7	180	0.7	15	19	34	27	3	Inflammatory heart disease	4	12	28	23	26	13	111	8	74	

Annex Table 2 Deaths by cause, sex and mortality stratum in WHO Regions,^a estimates for 2000

Cause ^b	SEX						AFRICA			THE AMERICAS			Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			
	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult		High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult			
Population (000)	6 045 172		3 045 372		2 999 800		294 099	345 533	325 186	430 951	71 235	Population (000)	139 071	342 584	411 910	218 473	243 192	293 821	1 241 813	154 358	1 532 946	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	
Respiratory diseases	3 542	6.4	1 891	6.4	1 651	6.3	101	131	172	170	16	Respiratory diseases	26	126	205	65	127	135	482	57	1 728	
Chronic obstructive pulmonary disease	2 523	4.5	1 367	4.6	1 156	4.4	51	63	124	76	6	Chronic obstructive pulmonary disease	13	43	136	42	93	52	255	23	1 545	
Asthma	218	0.4	107	0.4	111	0.4	8	16	7	11	3	Asthma	5	17	14	9	11	22	35	7	55	
Digestive diseases	1 923	3.5	1 151	3.9	772	3.0	87	112	97	144	32	Digestive diseases	23	123	185	81	112	115	367	46	399	
Peptic ulcer disease	237	0.4	140	0.5	96	0.4	6	10	6	11	4	Peptic ulcer disease	3	6	18	7	14	21	53	5	74	
Cirrhosis of the liver	797	1.4	531	1.8	266	1.0	31	38	30	58	17	Cirrhosis of the liver	7	28	68	47	55	42	181	15	180	
Appendicitis	33	0.1	19	0.1	13	0.1	1	1	1	2	1	Appendicitis	0	1	1	1	1	1	18	0	6	
Diseases of the genitourinary system	825	1.5	447	1.5	378	1.5	54	67	57	49	14	Diseases of the genitourinary system	17	69	60	26	28	56	140	27	162	
Nephritis/nephrosis	620	1.1	327	1.1	293	1.1	35	44	31	38	12	Nephritis/nephrosis	11	58	40	18	11	45	122	24	131	
Benign prostatic hypertrophy	35	0.1	35	0.1	0	0.0	3	4	1	2	1	Benign prostatic hypertrophy	1	1	1	2	3	1	8	0	8	
Skin diseases	68	0.1	30	0.1	38	0.1	10	12	4	5	2	Skin diseases	0	5	8	1	2	5	6	1	8	
Musculoskeletal diseases	104	0.2	36	0.1	68	0.3	6	7	12	9	3	Musculoskeletal diseases	1	3	18	2	4	10	3	5	20	
Rheumatoid arthritis	20	0.0	6	0.0	14	0.1	1	1	2	2	1	Rheumatoid arthritis	0	0	4	1	1	2	1	2	2	
Osteoarthritis	4	0.0	1	0.0	3	0.0	0	0	1	1	0	Osteoarthritis	0	0	1	0	0	0	0	0	0	
Congenital abnormalities	657	1.2	341	1.1	315	1.2	30	36	15	40	16	Congenital abnormalities	12	76	13	12	10	20	254	4	119	
Oral diseases	2	0.0	1	0.0	1	0.0	0	0	0	0	0	Oral diseases	0	0	0	0	0	0	1	0	0	
Dental caries	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Dental caries	0	0	0	0	0	0	0	0	0	
Periodontal disease	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Periodontal disease	0	0	0	0	0	0	0	0	0	
Edentulism	0	0.0	0	0.0	0	0.0	0	0	0	0	0	Edentulism	0	0	0	0	0	0	0	0	0	
III. Injuries	5 062	9.1	3 415	11.5	1 647	6.3	308	445	178	333	50	III. Injuries	79	259	199	143	475	231	1 141	78	1 144	
Unintentional	3 403	6.1	2 262	7.6	1 141	4.4	196	245	119	185	29	Unintentional	61	181	140	88	285	155	900	49	769	
Road traffic accidents	1 260	2.3	931	3.1	329	1.3	69	99	49	82	10	Road traffic accidents	40	51	46	20	55	115	320	16	288	
Poisoning	315	0.6	204	0.7	112	0.4	15	20	12	3	2	Poisoning	2	16	6	14	89	4	78	1	53	
Falls	283	0.5	170	0.6	113	0.4	8	10	23	15	2	Falls	4	17	48	11	17	8	31	8	81	
Fires	238	0.4	104	0.3	135	0.5	18	17	4	5	1	Fires	4	20	3	4	15	7	121	2	19	
Drowning	450	0.8	301	1.0	148	0.6	44	40	5	20	2	Drowning	3	16	4	10	33	12	85	6	169	
Other unintentional injuries	857	1.5	553	1.9	304	1.2	42	60	26	60	12	Other unintentional injuries	8	61	34	29	76	8	266	16	158	
Intentional	1 659	3.0	1 153	3.9	506	1.9	112	199	59	148	21	Intentional	17	78	59	55	190	76	241	30	376	
Self-inflicted	815	1.5	509	1.7	305	1.2	10	17	39	23	4	Self-inflicted	7	16	54	25	107	19	150	28	315	
Violence	520	0.9	401	1.4	119	0.5	40	76	20	123	17	Violence	7	24	4	11	62	11	66	1	58	
War	310	0.6	233	0.8	77	0.3	62	106	0	2	0	War	3	36	0	17	20	45	18	0	2	

^a See list of Member States by WHO Region and mortality stratum (pp. 168–169).

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

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

Annex Table 3 Burden of disease in disability-adjusted life years (DALYs) by cause, sex and mortality stratum in WHO Regions,^a estimates for 2000

Cause ^b	SEX						AFRICA			THE AMERICAS			Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			
	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult		Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult		
Population (000)	6 045 172		3 045 372		2 999 800		294 099	345 533	325 186	430 951	71 235	Population (000)	139 071	342 584	411 910	218 473	243 192	293 821	1 241 813	154 358	1 532 946	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	
TOTAL DALYs	1 472 392	100	765 774	100	706 619	100	143 671	209 616	45 991	79 562	16 803	TOTAL DALYs	22 400	110 959	52 862	40 278	59 972	60 423	364 581	16 393	248 883	
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	610 353	41.5	294 708	38.5	315 645	44.7	102 806	155 682	3 181	17 565	6 213	I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	6 592	56 529	2 800	8 608	5 164	20 700	163 137	1 110	60 266	
Infectious and parasitic diseases	340 176	23.1	173 704	22.7	166 473	23.6	68 459	114 085	1 478	7 820	3 058	Infectious and parasitic diseases	2 965	28 474	1 097	3 118	2 608	9 745	76 637	397	20 234	
Tuberculosis	35 792	2.4	21 829	2.9	13 962	2.0	3 754	6 034	20	633	482	Tuberculosis	176	2 775	63	444	1 096	3 063	11 929	53	5 272	
STDs excluding HIV	15 839	1.1	5 808	0.8	10 031	1.4	2 837	3 351	110	601	98	STDs excluding HIV	79	1 150	122	201	194	541	5 981	51	521	
Syphilis	5 574	0.4	3 095	0.4	2 479	0.4	1 353	1 817	1	23	4	Syphilis	3	316	1	24	4	33	1 932	1	62	
Chlamydia	6 128	0.4	902	0.1	5 226	0.7	829	837	91	389	63	Chlamydia	51	463	105	120	140	291	2 442	41	266	
Gonorrhoea	3 919	0.3	1 758	0.2	2 161	0.3	655	693	16	186	31	Gonorrhoea	20	313	15	35	38	215	1 505	8	189	
HIV/AIDS	90 392	6.1	44 366	5.8	46 026	6.5	15 605	57 046	504	1 145	714	HIV/AIDS	2	1 784	307	36	421	1 198	10 279	11	1 340	
Diarrhoeal diseases	62 227	4.2	32 399	4.2	29 828	4.2	8 070	13 424	108	1 838	882	Diarrhoeal diseases	815	8 358	109	963	166	976	22 387	45	4 084	
Childhood diseases	50 380	3.4	25 151	3.3	25 229	3.6	15 396	11 043	50	202	256	Childhood diseases	63	6 934	66	332	34	1 599	12 128	37	2 240	
Pertussis	12 768	0.9	6 369	0.8	6 398	0.9	3 612	2 922	50	178	236	Pertussis	42	2 204	63	63	29	133	2 737	36	462	
Poliomyelitis	184	0.0	95	0.0	89	0.0	16	7	0	6	1	Poliomyelitis	5	16	1	5	1	11	62	0	52	
Diphtheria	114	0.0	61	0.0	53	0.0	24	23	0	2	0	Diphtheria	0	16	0	6	1	4	35	0	4	
Measles	27 549	1.9	13 755	1.8	13 793	2.0	9 344	6 646	0	2	3	Measles	10	2 882	1	252	2	1 212	5 989	1	1 206	
Tetanus	9 766	0.7	4 870	0.6	4 895	0.7	2 400	1 446	0	14	17	Tetanus	7	1 816	1	6	1	239	3 306	0	516	
Meningitis	5 751	0.4	3 011	0.4	2 740	0.4	698	817	47	437	46	Meningitis	71	800	66	206	125	442	1 429	14	555	
Hepatitis ^c	2 739	0.2	1 400	0.2	1 339	0.2	334	444	82	59	35	Hepatitis ^c	73	181	45	142	46	98	756	56	389	
Malaria	40 213	2.7	19 237	2.5	20 976	3.0	17 916	17 832	1	83	27	Malaria	47	1 898	2	19	0	292	1 582	2	514	
Tropical diseases	12 289	0.8	8 271	1.1	4 018	0.6	3 051	3 012	9	701	109	Tropical diseases	62	846	0	7	0	242	3 772	4	472	
Trypanosomiasis	1 585	0.1	1 013	0.1	572	0.1	804	754	0	0	0	Trypanosomiasis	0	26	0	0	0	0	0	0	0	
Chagas disease	680	0.0	360	0.0	320	0.0	0	0	7	582	91	Chagas disease	0	0	0	0	0	0	0	0	0	
Schistosomiasis	1 713	0.1	1 037	0.1	676	0.1	648	724	1	70	9	Schistosomiasis	43	154	0	0	0	3	1	0	60	
Leishmaniasis	1 810	0.1	1 067	0.1	744	0.1	222	173	1	41	5	Leishmaniasis	16	124	0	6	0	6	1 210	0	9	
Lymphatic filariasis	5 549	0.4	4 245	0.6	1 304	0.2	894	966	0	8	1	Lymphatic filariasis	4	473	0	1	0	233	2 562	4	403	
Onchocerciasis	951	0.1	549	0.1	402	0.1	484	395	0	1	2	Onchocerciasis	0	69	0	0	0	0	0	0	0	
Leprosy	141	0.0	76	0.0	65	0.0	8	8	0	15	0	Leprosy	0	12	0	0	0	7	83	0	6	
Dengue	433	0.0	286	0.0	147	0.0	2	4	0	3	7	Dengue	0	19	0	0	0	25	346	0	26	
Japanese encephalitis	426	0.0	207	0.0	219	0.0	0	0	0	0	0	Japanese encephalitis	0	6	0	0	0	22	61	0	336	
Trachoma	1 181	0.1	319	0.0	862	0.1	212	232	0	0	0	Trachoma	71	108	0	0	0	24	50	0	484	
Intestinal nematode infections	4 811	0.3	2 461	0.3	2 350	0.3	289	364	11	549	123	Intestinal nematode infections	47	248	0	8	1	469	1 044	6	1 651	
Ascariasis	1 252	0.1	636	0.1	616	0.1	48	70	3	168	27	Ascariasis	20	83	0	7	0	114	123	1	588	
Trichuriasis	1 640	0.1	836	0.1	803	0.1	50	70	5	239	46	Trichuriasis	1	31	0	0	0	194	202	2	799	
Hookworm disease	1 829	0.1	939	0.1	890	0.1	191	222	3	125	20	Hookworm disease	26	134	0	0	0	160	703	2	242	
Respiratory infections	97 658	6.6	50 452	6.6	47 206	6.7	13 210	17 823	561	2 400	1 144	Respiratory infections	1 279	10 120	676	2 264	951	3 456	29 005	381	14 387	
Lower respiratory infections	94 222	6.4	48 786	6.4	45 436	6.4	12 933	17 467	509	2 233	1 095	Lower respiratory infections	1 212	9 929	612	2 182	894	3 350	28 134	358	13 316	
Upper respiratory infections	1 963	0.1	916	0.1	1 047	0.1	149	188	15	56	27	Upper respiratory infections	28	77	28	48	31	38	528	10	741	
Otitis media	1 472	0.1	750	0.1	722	0.1	128	168	37	110	22	Otitis media	40	115	37	34	27	69	343	13	330	
Maternal conditions	34 480	2.3	0	0.0	34 480	4.9	5 166	7 710	182	1 321	431	Maternal conditions	693	3 502	206	908	448	1 992	9 132	76	2 713	
Perinatal conditions	91 797	6.2	49 072	6.4	42 726	6.0	11 390	10 845	613	3 905	1 034	Perinatal conditions	819	10 424	435	1 669	771	3 224	34 473	94	12 101	
Nutritional deficiencies	46 242	3.1	21 480	2.8	24 761	3.5	4 580	5 219	347	2 119	547	Nutritional deficiencies	836	4 009	386	649	385	2 283	13 890	161	10 830	
Protein-energy malnutrition	16 483	1.1	8 298	1.1	8 185	1.2	2 578	2 904	34	763	239	Protein-energy malnutrition	176	1 647	25	151	61	567	4 907	21	2 409	
Iodine deficiency	1 218	0.1	572	0.1	646	0.1	140	193	3	7	2	Iodine deficiency	31	173	5	27	32	32	486	2	85	
Vitamin A deficiency	1 392	0.1	587	0.1	805	0.1	382	440	0	3	1	Vitamin A deficiency	3	161	0	1	0	6	373	0	23	
Iron-deficiency anaemia	26 650	1.8	11 807	1.5	14 843	2.1	1 468	1 680	306	1 341	237	Iron-deficiency anaemia	588	1 890	352	445	266	1 624	8 053	137	8 264	

Annex Table 3 Burden of disease in disability-adjusted life years (DALYs) by cause, sex and mortality stratum in WHO Regions,^a estimates for 2000

Cause ^b	SEX						AFRICA			THE AMERICAS			Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			
	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult		Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult		
Population (000)	6 045 172		3 045 372		2 999 800		294 099	345 533	325 186	430 951	71 235	Population (000)	139 071	342 584	411 910	218 473	243 192	293 821	1 241 813	154 358	1 532 946	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	
II. Noncommunicable conditions	679 484	46.1	352 434	46.0	327 050	46.3	28 701	36 552	38 260	49 550	8 658	II. Noncommunicable conditions	12 654	43 155	45 608	26 860	41 365	31 624	155 306	13 643	147 547	
Malignant neoplasms	78 508	5.3	42 208	5.5	36 300	5.1	2 741	3 942	5 624	4 320	628	Malignant neoplasms	1 086	2 514	8 659	3 278	5 706	3 160	12 398	2 820	21 633	
Mouth and oropharynx cancers	4 379	0.3	3 152	0.4	1 227	0.2	124	297	110	119	16	Mouth and oropharynx cancers	30	277	291	107	217	259	1 978	59	495	
Oesophagus cancer	4 096	0.3	2 721	0.4	1 375	0.2	56	237	133	127	7	Oesophagus cancer	36	114	233	107	150	34	804	96	1 960	
Stomach cancer	7 326	0.5	4 565	0.6	2 761	0.4	198	211	143	386	96	Stomach cancer	108	103	475	323	800	99	669	452	3 264	
Colon/rectum cancer	5 659	0.4	3 074	0.4	2 585	0.4	132	171	617	260	26	Colon/rectum cancer	60	115	1 082	283	606	287	442	397	1 181	
Liver cancer	7 948	0.5	5 600	0.7	2 348	0.3	402	519	126	140	35	Liver cancer	48	91	272	87	187	333	369	291	5 048	
Pancreas cancer	1 867	0.1	1 064	0.1	803	0.1	31	53	242	114	11	Pancreas cancer	16	19	365	113	289	53	134	143	282	
Trachea/bronchus/lung cancers	11 418	0.8	8 303	1.1	3 115	0.4	98	157	1 443	481	27	Trachea/bronchus/lung cancers	121	211	1 665	604	1 093	369	1 223	430	3 495	
Melanoma and other skin cancers	690	0.0	387	0.1	303	0.0	35	60	133	54	5	Melanoma and other skin cancers	10	19	146	43	92	11	29	27	27	
Breast cancer	6 386	0.4	4	0.0	6 382	0.9	182	315	686	392	41	Breast cancer	80	191	1 013	297	558	454	1 220	194	763	
Cervix uteri cancer	4 649	0.3	0	0.0	4 649	0.7	273	515	98	273	83	Cervix uteri cancer	70	235	106	124	169	262	1 888	34	519	
Corpus uteri cancer	993	0.1	0	0.0	993	0.1	13	21	93	174	27	Corpus uteri cancer	14	12	144	89	160	29	35	33	149	
Ovary cancer	1 651	0.1	0	0.0	1 651	0.2	44	95	149	85	13	Ovary cancer	9	61	234	70	200	118	281	58	233	
Prostate cancer	1 526	0.1	1 526	0.2	0	0.0	144	124	255	147	19	Prostate cancer	15	28	376	61	106	40	94	63	54	
Bladder cancer	1 329	0.1	998	0.1	331	0.0	69	64	116	50	5	Bladder cancer	22	100	273	87	166	48	134	41	152	
Lymphomas, multiple myeloma	3 994	0.3	2 569	0.3	1 424	0.2	317	366	396	224	41	Lymphomas, multiple myeloma	94	271	445	136	186	230	720	115	454	
Leukaemia	5 147	0.3	2 835	0.4	2 312	0.3	131	234	254	382	87	Leukaemia	154	246	334	163	197	265	1 004	97	1 600	
Other neoplasms	1 394	0.1	728	0.1	666	0.1	28	46	81	130	31	Other neoplasms	25	72	175	37	66	387	98	68	151	
Diabetes mellitus	14 943	1.0	7 002	0.9	7 941	1.1	289	433	1 290	1 901	292	Diabetes mellitus	366	963	1 008	667	841	764	3 294	457	2 378	
Nutritional/endocrine disorders	8 061	0.5	3 728	0.5	4 332	0.6	751	867	768	1 205	307	Nutritional/endocrine disorders	178	912	618	183	162	381	498	220	1 008	
Neuropsychiatric disorders	181 755	12.3	88 423	11.5	93 332	13.2	6 920	8 539	14 076	16 711	2 841	Neuropsychiatric disorders	3 812	10 497	15 285	6 599	9 196	7 669	39 250	3 878	36 482	
Unipolar depressive disorders	64 963	4.4	25 901	3.4	39 063	5.5	1 906	2 154	5 031	5 589	867	Unipolar depressive disorders	1 184	3 507	4 074	2 548	2 634	2 832	17 123	1 000	14 515	
Bipolar affective disorder	13 645	0.9	6 897	0.9	6 747	1.0	743	852	504	1 026	172	Bipolar affective disorder	354	809	621	466	450	702	2 990	243	3 713	
Schizophrenia	15 686	1.1	8 013	1.0	7 672	1.1	732	827	509	1 221	204	Schizophrenia	453	956	595	559	437	1 055	3 538	235	4 365	
Epilepsy	7 067	0.5	3 832	0.5	3 235	0.5	423	690	262	848	190	Epilepsy	131	400	358	256	219	371	1 528	99	1 291	
Alcohol use disorders	18 469	1.3	15 844	2.1	2 624	0.4	368	858	3 032	2 848	446	Alcohol use disorders	18	303	2 691	297	2 253	304	1 910	595	2 546	
Alzheimer's and other dementias	12 464	0.8	5 381	0.7	7 083	1.0	280	300	1 415	750	64	Alzheimer's and other dementias	170	458	3 101	450	994	428	1 873	505	1 678	
Parkinson disease	1 473	0.1	723	0.1	750	0.1	30	37	227	43	6	Parkinson disease	20	58	281	62	77	49	231	105	248	
Multiple sclerosis	1 475	0.1	630	0.1	845	0.1	51	40	110	100	15	Multiple sclerosis	34	72	155	63	81	63	318	29	346	
Drug use disorders	5 830	0.4	4 535	0.6	1 295	0.2	526	601	697	788	227	Drug use disorders	391	214	717	156	295	120	511	250	335	
Post-traumatic stress disorder	3 230	0.2	896	0.1	2 335	0.3	141	158	176	200	31	Post-traumatic stress disorder	78	180	207	123	131	179	706	81	841	
Obsessive-compulsive disorder	4 761	0.3	2 048	0.3	2 713	0.4	370	428	218	535	85	Obsessive-compulsive disorder	184	326	257	267	284	170	823	63	752	
Panic disorder	6 591	0.4	2 239	0.3	4 352	0.6	336	386	262	494	83	Panic disorder	174	397	323	241	237	361	1 479	128	1 691	
Insomnia (primary)	3 361	0.2	1 447	0.2	1 914	0.3	134	150	258	310	47	Insomnia (primary)	33	151	345	116	159	114	839	129	576	
Migraine	7 539	0.5	2 045	0.3	5 494	0.8	182	236	490	729	146	Migraine	144	394	747	250	240	334	1 686	155	1 805	
Sense organ disorders	37 673	2.6	19 253	2.5	18 420	2.6	2 537	3 187	1 278	2 676	483	Sense organ disorders	1 032	2 644	1 348	1 158	1 644	2 425	10 795	474	5 991	
Glaucoma	1 744	0.1	628	0.1	1 115	0.2	220	369	21	122	8	Glaucoma	92	194	61	52	146	47	98	11	303	
Cataracts	10 585	0.7	4 981	0.7	5 604	0.8	1 190	1 114	45	363	141	Cataracts	212	885	21	101	279	760	3 788	21	1 665	
Hearing loss, adult onset	25 276	1.7	13 610	1.8	11 665	1.7	1 122	1 698	1 212	2 188	332	Hearing loss, adult onset	728	1 557	1 265	1 005	1 219	1 616	6 890	442	4 001	
Cardiovascular diseases	150 975	10.3	80 325	10.5	70 651	10.0	5 049	6 445	7 240	7 753	1 064	Cardiovascular diseases	2 852	10 287	9 533	8 262	15 586	6 771	39 658	2 584	27 892	
Rheumatic heart disease	6 528	0.4	2 773	0.4	3 755	0.5	320	446	53	113	78	Rheumatic heart disease	85	501	81	177	232	279	2 384	22	1 757	
Ischaemic heart disease	55 682	3.8	31 997	4.2	23 685	3.4	1 526	1 721	3 288	2 673	255	Ischaemic heart disease	1 321	2 795	4 066	3 536	7 887	2 327	16 435	797	7 055	
Cerebrovascular disease	45 677	3.1	23 072	3.0	22 606	3.2	1 439	2 058	1 594	2 735	317	Cerebrovascular disease	600	2 101	2 732	2 415	5 284	1 936	6 950	1 268	14 248	
Inflammatory heart disease	6 631	0.5	3 860	0.5	2 771	0.4	334	435	390	409	48	Inflammatory heart disease	58	248	280	381	503	272	2 322	82	869	

Annex Table 3 Burden of disease in disability-adjusted life years (DALYs) by cause, sex and mortality stratum in WHO Regions,^a estimates for 2000

Cause ^b	SEX						AFRICA			THE AMERICAS			Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Both sexes		Males		Females		Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum			
	High child, high adult	High child, very high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult		High child, high adult	Very low child, very low adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult			
Population (000)	6 045 172		3 045 372		2 999 800		294 099	345 533	325 186	430 951	71 235	Population (000)	139 071	342 584	411 910	218 473	243 192	293 821	1 241 813	154 358	1 532 946	
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	
Respiratory diseases	68 737	4.7	37 408	4.9	31 329	4.4	3 270	4 397	2 667	4 718	719	701	4 036	2 648	1 597	2 170	2 784	13 917	856	24 256		
Chronic obstructive pulmonary disease	33 748	2.3	18 677	2.4	15 071	2.1	717	961	1 262	1 032	88	178	827	1 239	731	1 241	959	5 206	179	19 127		
Asthma	13 858	0.9	7 509	1.0	6 350	0.9	892	1 278	769	1 574	301	308	918	717	346	237	678	2 718	380	2 743		
Digestive diseases	48 874	3.3	29 367	3.8	19 507	2.8	2 764	3 501	1 677	3 676	779	577	3 996	2 457	2 086	2 544	2 964	12 057	733	9 063		
Peptic ulcer disease	4 113	0.3	2 651	0.3	1 462	0.2	132	201	53	144	44	34	178	133	118	227	289	1 310	37	1 213		
Cirrhosis of the liver	14 856	1.0	10 358	1.4	4 497	0.6	492	648	492	1 121	306	136	628	931	765	932	857	4 116	215	3 216		
Appendicitis	887	0.1	542	0.1	345	0.0	22	33	14	40	17	6	19	16	14	19	33	538	5	111		
Diseases of the genitourinary system	15 875	1.1	9 099	1.2	6 777	1.0	1 194	1 559	564	1 037	268	387	1 431	547	579	727	981	3 117	227	3 258		
Nephritis/nephrosis	9 150	0.6	4 921	0.6	4 229	0.6	597	818	172	479	170	174	1 022	196	271	184	649	2 351	103	1 965		
Benign prostatic hypertrophy	2 304	0.2	2 304	0.3	0	0.0	122	134	84	193	28	62	120	120	66	80	107	459	49	679		
Skin diseases	1 859	0.1	1 033	0.1	827	0.1	272	376	51	124	36	11	156	68	33	89	164	296	14	167		
Musculoskeletal diseases	29 938	2.0	12 919	1.7	17 019	2.4	903	952	1 883	2 194	314	480	1 395	2 289	1 328	1 688	1 465	6 542	936	7 571		
Rheumatoid arthritis	5 099	0.3	1 434	0.2	3 665	0.5	55	45	331	604	92	79	300	283	295	367	133	1 507	113	894		
Osteoarthritis	16 446	1.1	6 650	0.9	9 796	1.4	574	598	1 024	941	113	244	704	1 474	759	996	848	3 415	634	4 121		
Congenital abnormalities	32 871	2.2	17 053	2.2	15 819	2.2	1 749	2 041	719	2 291	749	743	3 606	621	669	595	1 071	11 699	238	6 082		
Oral diseases	8 021	0.5	3 890	0.5	4 131	0.6	235	268	343	813	146	405	645	352	384	350	638	1 687	140	1 615		
Dental caries	4 626	0.3	2 344	0.3	2 282	0.3	174	202	176	693	128	197	356	200	189	167	241	1 053	76	775		
Periodontal disease	293	0.0	148	0.0	144	0.0	14	16	13	20	3	5	18	16	11	13	15	97	6	46		
Edentulism	2 979	0.2	1 359	0.2	1 620	0.2	42	44	152	92	12	201	255	133	182	169	377	503	58	759		
III. Injuries	182 555	12.4	118 631	15.5	63 924	9.0	12 164	17 382	4 550	12 447	1 931	III. Injuries	3 153	11 275	4 454	4 810	13 443	8 098	46 138	1 639	41 070	
Unintentional	136 485	9.3	87 309	11.4	49 176	7.0	8 605	11 122	3 099	7 565	1 285	2 586	8 719	3 308	3 404	8 890	5 720	38 960	1 113	32 110		
Road traffic accidents	41 234	2.8	30 333	4.0	10 902	1.5	2 289	3 473	1 512	2 781	326	1 400	1 935	1 407	635	1 721	3 913	10 120	359	9 363		
Poisoning	8 235	0.6	5 057	0.7	3 178	0.4	493	705	283	97	44	52	524	128	348	1 799	106	2 293	20	1 342		
Falls	19 518	1.3	11 760	1.5	7 758	1.1	802	990	414	994	193	467	1 474	742	577	956	697	4 388	198	6 624		
Fires	9 989	0.7	3 929	0.5	6 060	0.9	851	839	139	175	25	118	1 010	58	134	334	233	5 397	30	646		
Drowning	13 263	0.9	8 874	1.2	4 389	0.6	1 428	1 260	124	588	59	100	498	78	274	823	376	2 376	69	5 210		
Other unintentional injuries	44 246	3.0	27 356	3.6	16 890	2.4	2 741	3 854	627	2 929	639	449	3 277	895	1 435	3 258	394	14 386	436	8 925		
Intentional	46 070	3.1	31 323	4.1	14 748	2.1	3 559	6 260	1 451	4 882	646	567	2 556	1 147	1 406	4 553	2 379	7 178	526	8 960		
Self-inflicted	19 257	1.3	11 145	1.5	8 112	1.1	245	432	799	604	117	221	506	1 015	574	2 315	509	4 396	485	7 042		
Violence	16 122	1.1	12 438	1.6	3 683	0.5	1 246	2 420	641	4 208	515	234	735	129	322	1 643	450	1 791	40	1 751		
War	10 324	0.7	7 486	1.0	2 838	0.4	2 068	3 408	0	55	14	112	1 254	1	472	570	1 388	822	0	154		

^a See list of Member States by WHO Region and mortality stratum (pp. 168–169).^b Estimates for specific causes may not sum to broader cause groupings due to omission of residual categories.^c Does not include liver cancer and cirrhosis DALYs resulting from chronic hepatitis virus infection.

Annex Table 4 Healthy life expectancy (HALE) in all Member States, estimates for 2000

Member State	Healthy life expectancy ^a (years)									Expectation of lost healthy years at birth (years)		Percentage of total life expectancy lost	
	Total population	Males				Females							
	At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval	Males	Females	Males	Females
1 Afghanistan	33.8	35.1	30.3 – 40.4	7.1	5.5 – 8.8	32.5	26.2 – 39.5	5.8	2.6 – 9.0	9.1	12.5	20.5	27.8
2 Albania	59.4	56.5	54.4 – 59.3	11.4	10.3 – 12.6	62.3	59.9 – 64.8	14.4	13.0 – 16.0	7.9	10.6	12.2	14.5
3 Algeria	58.4	58.4	55.8 – 61.9	11.1	9.4 – 13.1	58.3	54.5 – 62.2	11.0	8.9 – 12.9	9.7	12.9	14.3	18.1
4 Andorra	71.8	69.8	67.4 – 73.0	17.0	15.4 – 18.7	73.7	70.7 – 77.9	19.4	17.3 – 22.5	7.3	10.1	9.5	12.1
5 Angola	36.9	36.2	33.7 – 42.0	7.4	5.3 – 10.1	37.6	33.3 – 42.8	7.3	4.6 – 10.3	8.1	10.8	18.2	22.3
6 Antigua and Barbuda	61.9	61.7	58.4 – 64.8	14.8	13.5 – 16.3	62.1	59.0 – 65.2	15.4	14.1 – 16.9	10.1	14.5	14.1	18.9
7 Argentina	63.9	61.8	59.6 – 64.0	13.2	12.0 – 14.6	65.9	63.0 – 68.6	16.0	14.8 – 17.5	8.4	11.9	12.0	15.2
8 Armenia	59.0	56.9	55.0 – 58.6	9.7	8.8 – 10.6	61.1	58.1 – 64.1	12.0	10.9 – 13.1	7.5	10.1	11.7	14.2
9 Australia	71.5	69.6	67.8 – 71.5	17.0	16.1 – 18.1	73.3	69.8 – 75.4	19.5	18.7 – 20.6	6.9	8.8	9.1	10.7
10 Austria	70.3	68.1	66.9 – 69.4	15.2	14.5 – 16.0	72.5	70.3 – 74.3	18.4	17.8 – 19.2	6.8	8.9	9.0	10.9
11 Azerbaijan	55.4	53.3	50.6 – 56.3	12.2	10.8 – 14.0	57.5	54.3 – 60.8	14.6	12.9 – 16.5	8.4	11.4	13.6	16.5
12 Bahamas	58.1	57.2	54.0 – 60.5	12.4	10.2 – 14.7	59.1	54.2 – 64.0	12.6	10.1 – 15.2	10.8	15.7	15.9	21.0
13 Bahrain	62.7	63.0	61.0 – 65.2	11.3	9.8 – 12.8	62.3	59.1 – 65.1	11.4	10.2 – 12.6	9.7	12.4	13.3	16.6
14 Bangladesh	49.3	50.6	47.4 – 54.1	8.8	7.5 – 10.4	47.9	43.6 – 52.6	8.0	6.4 – 9.9	9.8	12.9	16.2	21.2
15 Barbados	63.3	62.3	59.7 – 65.0	13.4	12.1 – 14.9	64.3	60.9 – 67.7	16.1	14.1 – 18.4	9.3	13.4	13.0	17.2
16 Belarus	60.1	55.4	53.4 – 57.5	9.9	9.2 – 10.8	64.8	62.7 – 66.9	14.4	13.2 – 15.9	6.6	9.2	10.7	12.4
17 Belgium	69.4	67.7	66.2 – 69.2	15.3	14.5 – 16.2	71.0	69.0 – 73.0	18.0	17.2 – 18.7	6.9	9.9	9.2	12.2
18 Belize	59.2	58.0	55.2 – 61.0	12.7	11.2 – 14.1	60.4	55.6 – 64.9	13.6	11.0 – 16.4	11.1	14.3	16.1	19.2
19 Benin	42.5	43.1	39.8 – 46.5	8.4	6.7 – 10.1	41.9	37.5 – 46.5	7.4	3.9 – 10.5	8.5	11.9	16.5	22.0
20 Bhutan	49.2	50.1	44.8 – 55.1	9.3	7.5 – 11.1	48.2	43.5 – 53.7	8.8	6.1 – 11.7	10.3	14.3	17.0	22.9
21 Bolivia	51.4	51.4	47.4 – 55.5	9.8	8.3 – 11.5	51.4	47.1 – 55.9	10.0	8.0 – 11.8	9.5	12.1	15.6	19.1
22 Bosnia and Herzegovina	63.7	62.1	60.3 – 64.3	12.4	11.3 – 13.5	65.3	62.8 – 67.9	14.3	13.0 – 15.7	6.6	9.4	9.5	12.5
23 Botswana	37.3	38.1	34.3 – 42.0	8.3	6.4 – 10.1	36.5	33.2 – 40.0	8.9	6.3 – 11.5	6.5	7.9	14.6	17.7
24 Brazil ^b	57.1	54.9	51.4 – 58.1	10.7	9.2 – 12.0	59.2	54.8 – 64.1	12.6	9.8 – 15.2	9.5	12.7	14.8	17.6
25 Brunei Darussalam	64.9	63.8	61.5 – 66.0	13.3	12.0 – 14.6	65.9	62.4 – 69.6	15.1	13.8 – 16.5	9.6	12.7	13.1	16.2
26 Bulgaria	63.4	61.0	59.4 – 62.6	12.4	11.8 – 13.1	65.8	63.8 – 67.7	15.2	14.0 – 16.4	6.3	9.2	9.4	12.2
27 Burkina Faso	34.8	35.4	32.5 – 38.3	8.0	6.2 – 9.7	34.1	30.5 – 37.9	7.4	4.9 – 10.0	7.2	9.5	16.8	21.7
28 Burundi	33.4	33.9	30.4 – 37.5	7.6	6.0 – 9.1	32.9	29.3 – 36.9	7.7	5.4 – 10.3	6.7	8.5	16.5	20.5
29 Cambodia	47.1	45.6	43.1 – 48.0	9.0	7.8 – 10.3	48.7	45.4 – 52.4	10.1	8.0 – 12.2	7.8	9.8	14.7	16.8
30 Cameroon	40.4	40.9	37.6 – 44.0	8.4	6.2 – 10.6	39.9	36.7 – 43.2	8.0	5.7 – 10.5	8.1	10.5	16.5	20.8
31 Canada	70.0	68.3	66.9 – 69.7	15.4	14.6 – 16.3	71.7	70.0 – 73.5	17.8	17.0 – 18.6	7.7	9.8	10.2	12.0
32 Cape Verde	58.4	56.9	53.7 – 60.2	11.3	9.8 – 12.8	60.0	56.3 – 63.8	12.0	10.0 – 14.1	9.6	12.3	14.4	17.0
33 Central African Republic	34.1	34.7	31.6 – 38.2	8.2	6.6 – 9.8	33.6	30.3 – 37.3	7.9	5.9 – 9.8	6.9	8.9	16.7	20.9
34 Chad	39.3	38.6	35.3 – 43.7	7.4	5.5 – 9.4	39.9	36.1 – 44.5	7.5	4.6 – 10.5	8.7	11.2	18.4	22.0
35 Chile	65.5	63.5	61.5 – 66.0	13.1	11.8 – 14.5	67.4	64.5 – 70.3	15.7	14.4 – 17.1	9.0	12.1	12.4	15.2
36 China	62.1	60.9	59.5 – 62.5	11.8	11.0 – 12.8	63.3	59.1 – 65.8	14.3	13.6 – 15.1	8.0	9.7	11.6	13.2
37 Colombia	60.9	58.6	56.2 – 61.0	12.9	11.6 – 14.2	63.3	59.8 – 66.2	14.0	12.8 – 15.1	8.6	11.8	12.8	15.7
38 Comoros	46.0	46.2	42.8 – 49.6	8.0	6.6 – 9.5	45.8	41.4 – 50.3	7.7	5.4 – 9.9	9.1	12.3	16.4	21.1
39 Congo	42.6	42.5	39.3 – 47.0	8.7	7.0 – 11.0	42.8	39.1 – 47.2	8.9	6.1 – 11.7	7.7	10.1	15.3	19.1
40 Cook Islands	60.7	60.4	58.1 – 62.8	11.4	10.4 – 12.3	61.1	57.7 – 64.9	13.0	11.6 – 14.6	8.3	11.0	12.0	15.3
41 Costa Rica	65.3	64.2	61.9 – 66.9	14.0	12.4 – 15.6	66.4	63.1 – 69.2	15.6	14.2 – 17.1	9.2	12.4	12.6	15.7
42 Côte d'Ivoire	39.0	39.1	36.7 – 42.6	8.6	7.3 – 10.1	38.9	35.9 – 42.1	8.5	5.9 – 11.2	7.2	9.5	15.6	19.7
43 Croatia	64.0	60.8	59.5 – 62.0	11.4	10.8 – 12.1	67.1	64.7 – 69.2	15.2	14.6 – 15.8	9.0	10.6	12.9	13.6
44 Cuba	65.9	65.1	63.0 – 67.2	14.5	13.4 – 15.6	66.7	64.4 – 68.8	15.5	14.1 – 16.9	8.6	10.9	11.6	14.0
45 Cyprus	66.3	66.4	64.6 – 68.7	14.5	12.9 – 16.3	66.2	63.4 – 68.8	14.1	12.8 – 15.7	8.4	12.7	11.2	16.1
46 Czech Republic	65.6	62.9	61.3 – 64.4	13.0	12.2 – 13.8	68.3	65.7 – 70.5	15.8	15.2 – 16.4	8.6	9.9	12.0	12.6
47 Democratic People's Republic of Korea	55.4	54.9	51.5 – 58.4	11.1	10.0 – 12.4	56.0	52.2 – 59.8	12.1	10.6 – 13.8	9.6	11.2	14.8	16.7
48 Democratic Republic of the Congo	34.4	34.4	31.6 – 39.4	7.2	5.9 – 8.8	34.4	30.5 – 39.3	7.4	5.1 – 9.6	7.2	9.6	17.4	21.9
49 Denmark	69.5	68.9	67.5 – 70.3	15.7	14.9 – 16.6	70.1	68.2 – 72.0	16.5	15.8 – 17.3	5.3	8.4	7.2	10.7
50 Djibouti	35.1	35.6	31.3 – 40.4	7.4	5.5 – 9.5	34.6	30.1 – 39.6	7.0	4.6 – 9.6	7.8	10.1	18.0	22.5
51 Dominica	64.6	63.2	59.7 – 66.1	14.4	13.1 – 15.9	66.1	63.3 – 69.3	16.4	14.8 – 18.1	9.4	12.2	13.0	15.6
52 Dominican Republic	56.2	54.7	50.9 – 58.2	12.3	11.0 – 13.5	57.7	53.4 – 61.9	13.0	11.0 – 15.0	10.8	14.0	16.4	19.5
53 Ecuador	60.3	58.4	55.4 – 61.3	12.7	11.3 – 14.0	62.2	58.6 – 66.0	14.4	12.4 – 16.5	9.9	12.0	14.5	16.2
54 Egypt	57.1	57.1	55.4 – 58.8	9.9	8.6 – 11.2	57.0	54.1 – 59.3	10.0	8.9 – 11.2	8.3	12.0	12.6	17.4
55 El Salvador	57.3	55.3	52.0 – 58.7	11.9	10.5 – 13.5	59.4	55.3 – 63.3	13.3	10.7 – 15.9	11.0	13.9	16.6	19.0

Member State	Healthy life expectancy ^a (years)									Expectation of lost healthy years at birth (years)		Percentage of total life expectancy lost	
	Total population	Males				Females							
	At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval	Males	Females	Males	Females
56 Equatorial Guinea	44.8	44.9	40.6 – 48.7	8.7	7.1 – 10.3	44.8	40.2 – 49.4	8.3	5.8 – 10.9	8.7	11.4	16.2	20.2
57 Eritrea	41.0	41.4	38.1 – 45.0	8.3	6.5 – 10.0	40.5	36.5 – 45.0	8.1	5.6 – 10.7	7.7	10.4	15.7	20.4
58 Estonia	60.8	56.2	54.7 – 57.6	10.0	9.1 – 10.9	65.4	62.5 – 67.7	14.8	14.0 – 15.8	9.3	11.0	14.2	14.4
59 Ethiopia	35.4	35.7	32.2 – 40.9	7.7	5.8 – 9.7	35.1	30.4 – 40.9	7.5	4.9 – 10.3	7.1	9.6	16.6	21.4
60 Fiji	59.6	58.7	55.9 – 61.3	11.2	9.6 – 12.7	60.5	56.9 – 64.3	12.7	10.8 – 14.4	8.3	10.7	12.3	15.1
61 Finland	68.8	66.1	64.9 – 67.2	14.8	14.0 – 15.4	71.5	69.9 – 73.0	17.9	17.4 – 18.5	7.6	9.5	10.3	11.7
62 France	70.7	68.5	67.4 – 69.5	16.6	15.9 – 17.2	72.9	71.4 – 74.5	19.4	18.9 – 20.0	6.7	10.2	8.9	12.2
63 Gabon	46.6	46.8	42.9 – 50.0	9.2	7.7 – 10.8	46.5	42.6 – 49.9	9.3	7.6 – 11.2	7.8	10.4	14.2	18.4
64 Gambia	46.9	47.3	44.1 – 50.6	8.5	6.8 – 10.3	46.6	42.4 – 50.8	8.1	6.0 – 10.5	8.6	12.1	15.4	20.6
65 Georgia	58.2	56.1	54.1 – 58.3	9.5	8.5 – 10.5	60.2	57.3 – 62.8	11.1	10.3 – 11.9	9.6	11.6	14.6	16.1
66 Germany	69.4	67.4	66.0 – 68.7	14.8	14.0 – 15.6	71.5	69.4 – 73.3	17.6	16.9 – 18.2	6.9	9.2	9.3	11.4
67 Ghana	46.7	46.5	43.4 – 49.7	8.9	6.9 – 10.8	46.9	43.5 – 51.1	9.0	6.5 – 11.3	8.5	11.0	15.5	18.9
68 Greece	71.0	69.7	68.5 – 70.8	16.0	15.2 – 16.6	72.3	69.9 – 74.0	17.6	17.1 – 18.3	5.7	8.5	7.6	10.5
69 Grenada	61.9	62.1	59.5 – 65.1	14.0	12.6 – 15.4	61.8	57.8 – 65.7	14.1	12.0 – 16.4	8.8	11.5	12.4	15.7
70 Guatemala	54.7	53.5	49.9 – 57.2	11.3	9.1 – 13.6	56.0	52.3 – 59.7	11.7	10.0 – 13.5	10.1	12.6	15.8	18.3
71 Guinea	40.3	40.4	36.7 – 44.0	7.3	5.6 – 9.1	40.1	35.9 – 45.5	7.0	3.9 – 10.3	8.6	11.9	17.5	22.8
72 Guinea-Bissau	36.6	36.7	33.6 – 39.8	7.2	5.1 – 9.1	36.4	33.0 – 40.3	7.1	4.1 – 10.1	7.7	10.5	17.4	22.3
73 Guyana	52.1	51.4	48.3 – 54.6	10.3	9.1 – 11.6	52.8	47.7 – 58.4	11.1	8.9 – 13.6	10.1	14.2	16.4	21.2
74 Haiti	43.1	41.3	37.0 – 46.2	7.8	6.1 – 9.5	44.9	38.8 – 51.1	8.5	5.7 – 11.4	8.4	11.2	16.9	20.0
75 Honduras	56.8	55.8	52.5 – 59.6	11.7	10.0 – 13.3	57.8	53.6 – 62.0	12.7	10.9 – 14.7	10.6	13.2	16.0	18.6
76 Hungary	59.9	55.3	53.7 – 56.9	9.4	8.3 – 10.3	64.5	61.8 – 66.7	13.8	13.0 – 14.6	11.0	10.7	16.5	14.2
77 Iceland	71.2	69.8	68.1 – 71.5	16.2	15.1 – 17.4	72.6	70.3 – 74.9	18.6	17.6 – 19.6				

Annex Table 4 Healthy life expectancy (HALE) in all Member States, estimates for 2000

Member State	Healthy life expectancy ^a (years)										Expectation of lost healthy years at birth (years)		Percentage of total life expectancy lost	
	Total population	Males					Females							
		At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval	Males	Females	Males	Females
111	Micronesia, Federated States of	56.6	55.8	52.8 – 58.8	11.0	9.5 – 12.5	57.5	54.0 – 61.0	12.0	10.6 – 13.4	8.0	10.3	12.5	15.2
112	Monaco	71.7	69.4	67.5 – 72.1	17.2	16.0 – 18.8	73.9	71.1 – 76.7	20.2	18.4 – 22.4	7.4	10.5	9.6	12.4
113	Mongolia	52.4	50.3	46.3 – 54.3	10.8	9.0 – 12.6	54.5	50.8 – 58.2	12.7	10.4 – 15.1	10.9	12.4	17.8	18.5
114	Morocco	54.9	55.3	53.4 – 57.3	9.9	8.4 – 11.4	54.5	51.3 – 57.2	10.0	8.7 – 11.2	10.8	16.0	16.3	22.7
115	Mozambique	31.3	31.5	28.9 – 34.9	7.3	5.4 – 9.6	31.1	28.1 – 34.7	7.3	5.4 – 9.7	6.4	8.4	17.0	21.3
116	Myanmar	49.1	47.7	43.8 – 51.6	9.2	7.6 – 10.9	50.5	45.7 – 54.3	10.1	7.8 – 12.1	8.5	10.7	15.1	17.4
117	Namibia	35.6	36.5	32.5 – 41.2	9.2	7.4 – 11.0	34.7	31.4 – 38.8	9.1	6.6 – 11.7	6.3	7.9	14.8	18.6
118	Nauru	52.9	50.4	47.0 – 54.4	7.9	6.6 – 9.5	55.4	51.0 – 60.2	10.5	8.2 – 13.2	8.3	11.1	14.1	16.7
119	Nepal	45.8	47.5	44.4 – 51.1	10.2	8.3 – 12.0	44.2	39.1 – 49.8	9.6	6.3 – 12.7	11.0	13.8	18.8	23.9
120	Netherlands ^b	69.7	68.2	67.1 – 69.3	15.2	14.6 – 15.9	71.2	69.7 – 72.7	17.8	17.2 – 18.4	7.3	9.7	9.6	12.0
121	New Zealand	70.8	69.5	68.0 – 71.0	16.7	15.8 – 17.7	72.1	69.8 – 74.0	18.8	17.9 – 19.6	6.4	8.9	8.5	11.0
122	Nicaragua	56.9	55.8	51.8 – 60.3	11.3	9.6 – 13.4	58.0	54.3 – 62.4	12.5	10.6 – 14.7	10.6	13.0	16.0	18.3
123	Niger	33.1	33.9	30.9 – 37.7	6.6	3.8 – 9.3	32.4	27.1 – 37.6	5.8	3.2 – 8.4	8.8	11.5	20.7	26.2
124	Nigeria	41.6	42.1	39.2 – 45.0	8.4	6.8 – 10.0	41.1	37.7 – 45.0	8.2	6.4 – 10.1	7.7	10.3	15.5	20.1
125	Niue	61.1	60.8	57.1 – 64.2	13.0	11.4 – 14.7	61.4	58.6 – 65.2	13.8	11.9 – 16.2	8.7	11.4	12.6	15.6
126	Norway	70.5	68.8	67.0 – 70.5	15.8	14.8 – 16.8	72.3	70.2 – 74.6	18.2	16.9 – 19.5	6.9	9.1	9.2	11.2
127	Oman	59.7	59.2	57.2 – 61.4	10.3	8.8 – 11.9	60.3	56.6 – 63.1	12.0	10.5 – 13.5	10.3	13.2	14.8	17.9
128	Pakistan ^b	48.1	50.2	46.6 – 54.2	9.8	8.7 – 11.2	46.1	41.5 – 51.1	8.7	5.6 – 11.8	10.0	14.7	16.6	24.1
129	Palau	57.7	56.5	54.3 – 58.6	9.5	8.4 – 10.3	58.9	55.7 – 62.4	10.7	9.2 – 12.2	8.2	10.4	12.6	15.0
130	Panama	63.9	62.6	60.1 – 65.1	13.7	12.4 – 14.9	65.3	62.6 – 68.0	15.3	13.8 – 16.8	8.9	11.0	12.5	14.4
131	Papua New Guinea	46.8	46.6	42.8 – 50.5	9.2	7.7 – 10.6	47.1	43.6 – 50.9	10.5	8.7 – 12.1	8.5	10.4	15.4	18.1
132	Paraguay	60.9	59.9	56.7 – 63.4	12.3	10.4 – 14.3	61.9	58.8 – 65.5	14.0	12.4 – 15.6	10.3	12.3	14.7	16.6
133	Peru	58.8	57.8	55.2 – 60.6	12.0	10.5 – 13.6	59.8	56.2 – 63.6	13.6	11.6 – 15.8	8.9	11.8	13.4	16.4
134	Philippines	59.0	57.0	54.3 – 59.4	11.5	10.3 – 12.6	60.9	57.7 – 64.3	13.6	11.9 – 15.5	7.7	10.2	11.9	14.3
135	Poland	61.8	59.3	57.9 – 60.5	10.9	10.1 – 11.7	64.3	61.2 – 66.7	13.8	12.9 – 14.6	10.0	13.4	14.4	17.2
136	Portugal	66.3	63.9	62.5 – 65.4	13.6	12.7 – 14.4	68.6	66.2 – 70.5	16.0	15.3 – 16.7	7.8	10.7	10.9	13.5
137	Qatar	60.6	59.3	56.5 – 62.6	9.2	7.0 – 11.4	61.8	58.4 – 65.4	11.6	9.8 – 13.6	11.1	13.2	15.7	17.6
138	Republic of Korea	66.0	63.2	60.8 – 65.3	12.3	11.1 – 13.4	68.8	64.0 – 71.4	16.0	15.1 – 17.0	7.3	9.5	10.3	12.1
139	Republic of Moldova	58.4	55.4	52.4 – 57.9	10.2	8.8 – 11.4	61.5	59.1 – 64.3	12.5	11.1 – 13.9	7.7	8.9	12.3	12.7
140	Romania	61.7	59.5	57.4 – 61.4	12.1	11.0 – 12.9	64.0	61.6 – 66.8	14.4	13.1 – 15.7	6.8	9.5	10.2	12.9
141	Russian Federation	55.5	50.3	48.6 – 52.4	8.2	7.3 – 8.9	60.6	57.0 – 63.3	12.2	11.5 – 13.0	9.1	11.4	15.3	15.8
142	Rwanda	31.9	32.0	29.6 – 36.5	7.0	4.8 – 9.4	31.8	28.3 – 36.2	7.2	5.3 – 9.2	6.5	8.7	17.0	21.5
143	Saint Kitts and Nevis	59.6	57.6	54.7 – 60.7	10.3	9.4 – 11.3	61.5	57.8 – 65.6	12.6	10.8 – 14.5	8.4	10.5	12.8	14.5
144	Saint Lucia	62.0	60.7	58.1 – 63.0	12.5	11.3 – 13.8	63.3	60.0 – 66.5	13.9	12.1 – 15.6	8.5	10.9	12.2	14.7
145	Saint Vincent and the Grenadines	60.9	59.7	57.1 – 62.2	12.1	11.0 – 13.3	62.1	59.1 – 65.0	14.1	12.5 – 15.7	8.0	11.3	11.9	15.4
146	Samoa	59.9	58.2	55.6 – 60.6	12.3	10.9 – 13.7	61.6	59.0 – 64.4	14.3	12.7 – 16.0	8.5	11.3	12.7	15.6
147	San Marino	72.0	69.7	68.0 – 71.8	15.9	14.8 – 17.0	74.3	72.2 – 76.4	19.9	18.4 – 21.5	6.5	9.5	8.5	11.4
148	Sao Tome and Principe	50.0	50.3	46.8 – 53.6	9.6	8.0 – 11.0	49.7	44.8 – 54.7	9.2	7.5 – 10.6	10.0	12.2	16.6	19.8
149	Saudi Arabia	59.5	58.3	55.0 – 61.1	10.5	8.4 – 12.3	60.7	56.5 – 64.9	12.1	9.8 – 14.2	9.7	12.8	14.3	17.4
150	Senegal	44.9	45.2	42.1 – 48.0	8.4	6.8 – 9.8	44.5	40.9 – 48.4	8.0	5.0 – 11.1	8.8	11.6	16.3	20.7
151	Seychelles	58.7	57.0	54.1 – 59.7	9.4	7.2 – 11.5	60.4	57.1 – 64.0	10.7	8.8 – 13.1	9.5	13.8	14.3	18.6
152	Sierra Leone	29.5	29.7	26.4 – 36.0	6.5	4.7 – 8.8	29.3	25.2 – 35.1	6.0	2.9 – 9.5	7.3	9.6	19.6	24.6
153	Singapore	67.8	66.8	64.3 – 69.0	14.5	13.1 – 15.8	68.9	65.8 – 71.7	16.2	14.6 – 18.0	8.6	11.3	11.4	14.1
154	Slovakia	62.4	59.6	58.1 – 60.9	10.7	9.9 – 11.6	65.2	62.3 – 67.5	14.0	13.2 – 14.9	9.7	12.3	14.0	15.9
155	Slovenia	66.9	64.5	62.1 – 66.7	13.6	12.8 – 14.3	69.3	66.5 – 71.9	16.7	15.4 – 18.0	7.4	10.2	10.3	12.8
156	Solomon Islands	59.0	58.0	55.1 – 61.5	11.2	9.4 – 13.3	60.1	56.6 – 63.8	12.4	10.7 – 14.1	8.6	11.3	12.9	15.9
157	Somalia	35.1	35.5	32.5 – 38.9	7.3	5.2 – 9.5	34.7	30.6 – 38.8	6.4	2.6 – 9.7	8.3	11.2	18.9	24.4
158	South Africa	43.2	43.0	41.1 – 45.0	9.1	7.9 – 10.5	43.5	40.5 – 46.4	10.4	8.7 – 12.1	6.6	8.6	13.3	16.5
159	Spain	70.6	68.7	67.3 – 70.3	15.8	14.9 – 16.8	72.5	70.3 – 74.2	18.3	17.5 – 19.1	6.6	9.8	8.8	11.9
160	Sri Lanka	61.1	58.6	55.7 – 61.5	12.5	10.9 – 14.1	63.6	61.0 – 67.0	14.6	12.8 – 16.6	9.0	11.7	13.4	15.6
161	Sudan	45.1	45.7	42.2 – 49.3	8.3	6.5 – 10.1	44.4	39.2 – 50.2	7.8	5.8 – 9.6	9.8	13.4	17.6	23.1
162	Suriname	60.6	59.5	57.0 – 61.9	12.2	11.0 – 13.6	61.7	58.5 – 64.6	13.3	11.5 – 15.1	8.5	11.9	12.5	16.1
163	Swaziland	38.2	38.8	34.1 – 44.2	9.3	7.0 – 11.5	37.6	32.6 – 42.7	9.6	7.5 – 12.0	6.0	8.0	13.3	17.4
164	Sweden	71.4	70.1	68.7 – 71.6	16.8	15.9 – 17.7	72.7	70.6 – 74.6	18.7	18.0 – 19.4	7.2	9.2	9.3	11.3
165	Switzerland	72.1	70.4	68.7 – 72.1	17.0	16.1 – 17.9	73.7	71.3 – 75.7	19.7	19.0 – 20.4	6.2	8.8	8.1	10.7

Member State	Healthy life expectancy ^a (years)										Expectation of lost healthy years at birth (years)		Percentage of total life expectancy lost	
	Total population	Males					Females							
		At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval	Males	Females	Males	Females
166	Syrian Arab Republic	59.6	59.6	56.6 – 62.3	11.2	9.1 – 13.2	59.5	55.7 – 63.0	11.6	9.3 – 13.7	9.7	12.9	14.0	17.9
167	Tajikistan	50.8	49.6	46.2 – 53.2	9.0	7.1 – 11.0	52.0	47.8 – 56.1	10.3	7.7 – 12.8	10.8	12.7	17.9	19.7
168	Thailand	59.7	57.7	55.7 – 59.7	13.2	12.1 – 14.3	61.8	57.9 – 64.9	14.4	13.4 – 15.5	8.4	10.5	12.6	14.6
169	The former Yugoslav Republic of Macedonia	64.9	63.9	62.0 – 65.6	12.5	11.7 – 13.4	65.9	64.1 – 67.6	14.3	13.3 – 15.2	6.3	8.9	9.0	12.0
170	Togo	42.7	42.7	39.3 – 46.5	8.6	6.7 – 10.7	42.7	39.3 – 46.8	8.6	6.5 – 10.9	7.9	10.3	15.5	19.4
171	Tonga	60.7	59.3	57.0 – 61.9	11.6	10.3 – 13.0	62.0	58.4 – 65.2	13.6	12.3 – 15.0	8.1	10.8	12.0	14.9
172	Trinidad and Tobago	61.7	60.3	57.9 – 63.1	11.6	10.2 – 13.1	63.0	59.0 – 65.8	13.3	12.1 – 14.5	8.2	10.7	12.0	14.5
173	Tunisia	61.4	61.0	59.2 – 62.9	11.4	10.6 – 12.2	61.7	58.0 – 65.4	12.6	10.6 – 14.7	8.2	11.7	11.8	15.9
174	Turkey	58.7	56.8	55.4 – 58.2	11.2	10.3 – 12.1	60.5	57.4 – 63.2	13.4	12.7 – 14.2	10.0	12.0	14.9	16.5
175	Turkmenistan	52.1	51.2	48.3 – 54.3	8.8	7.5 – 10.3	53.0	50.1 – 56.7	9.5	7.9 – 11.1	8.8	11.9	14.7	18.3
176	Tuvalu	57.0	56.4	54.0 – 58.9	9.9	8.8 – 11.0	57.6	54.0 – 61.0	11.5	8.8 – 13.7	7.2	10.0	11.3	14.8
177	Uganda	35.7	36.2	33.4 – 39.8	7.7	6.2 – 9.3	35.2	31.1 – 39.6	7.4	4.9 – 10.0	7.2	9.4	16.7	21.1
178	Ukraine	56.8	52.3	51.0 – 53.7	8.1	7.3 – 8.9	61.3	58.0 – 63.5	11.8	11.3 – 12.5	10.3	12.0	16.4	16.4
179	United Arab Emirates	63.1	62.3	60.0 – 64.5	11.5	9.8 – 13.2	63.9	59.9 – 66.9	13.3	11.8 – 14.7	10.0	12.5	13.8	16.4
180	United Kingdom	69.9	68.3	66.8 – 69.7	15.3	14.4 – 16.1	71.4	69.2 – 73.1	17.4	16.7 – 18.1	6.5	8.5	8.7	10.6
181	United Republic of Tanzania	38.1	38.6	35.4 – 42.7	7.8	5.9 – 9.8	37.5	34.0 – 41.1	7.7	5.2 – 10.2	7.2	9.6	15.7	20.4
182	United States of America ^b	67.2	65.7	63.8 – 67.5	15.0	14.0 – 16.0	68.8	66.5 – 71.0	16.8	15.8 – 17.9	8.2	10.7	11.1	13.4
183	Uruguay	64.1	61.7	59.0 – 64.6	12.6	11.6 – 13.6	66.5	63.5 – 69.4	15.8	14.0 – 17.7	8.4	11.4	11.9	14.6
184	Uzbekistan	54.3	52.7											

Annex Table 5 Selected National Health Accounts indicators for all Member States, estimates for 1997 and 1998

Member State	Total expenditure on health as % of GDP		Public expenditure on health as % of total expenditure on health		Private expenditure on health as % of total expenditure on health		Public expenditure on health as % of general government expenditure		Social security expenditure on health as % of public expenditure on health		Tax funded expenditure on health as % of public expenditure on health		External resources for health as % of public expenditure on health		Private insurance on health as % of private expenditure on health		Out-of-pocket disbursements for health as % of private expenditure on health		Per capita total expenditure on health at official exchange rate (US \$)		Per capita public expenditure on health at official exchange rate (US \$)		Per capita total expenditure on health in international dollars		Per capita public expenditure on health in international dollars		
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	
	1	Afghanistan	1.4	1.6	52.6	57.7	47.4	42.3	3.6	4.2	0.0	0.0	92.5	96.2	7.5	3.8	0.0	0.0	100	100	6	8	3	5	9	11	5	6
2	Albania	3.8	3.7	71.5	70.2	28.5	29.8	9.5	8.7	17.5	19.8	81.6	77.9	0.9	2.3	45.9	45.1	54.1	54.9	28	36	20	25	104	128	74	90
3	Algeria	4.0	4.1	79.8	80.2	20.2	19.8	11.3	12.4	66.7	66.7	33.3	33.3	...	...	0.0	0.0	100	100	67	71	54	57	140	148	112	118
4	Andorra	9.3	10.6	86.6	89.0	13.4	11.0	22.1	24.8	84.8	66.6	15.3	33.4	0.0	0.0	...	...	100	100	1 307	1 566	1 132	1 394	1 912	2 226	1 655	1 982
5	Angola	4.1	4.6	47.9	53.8	52.1	46.2	6.1	6.4	0.0	0.0	89.1	87.5	10.9	12.5	0.0	0.0	100	100	26	24	13	13	58	60	28	32
6	Antigua and Barbuda	5.5	5.3	62.9	63.3	37.1	36.7	15.0	15.0	0.0	0.0	91.7	91.1	8.3	8.9	...	...	100	100	480	498	302	315	517	527	326	333
7	Argentina	8.0	8.1	55.2	55.0	44.8	45.0	20.1	20.0	60.2	59.5	39.7	40.4	0.2	0.2	24.8	24.8	75.2	75.2	657	667	363	366	995	1 019	549	560
8	Armenia	7.8	7.4	41.5	42.9	58.5	57.1	12.2	13.0	0.0	0.0	92.1	88.8	7.9	11.2	0.0	0.0	100	100	34	37	14	16	165	174	69	75
9	Australia	8.4	8.6	69.3	69.9	30.7	30.1	16.6	16.8	0.0	0.0	100	100	0.0	0.0	29.2	24.8	49.5	53.5	1 680	1 672	1 164	1 172	1 950	2 080	1 351	1 457
10	Austria	7.9	8.0	71.4	71.8	28.6	28.2	11.1	11.2	59.5	59.6	40.5	40.4	0.0	0.0	27.0	25.9	58.8	58.8	2 024	2 097	1 445	1 506	1 723	1 919	1 231	1 377
11	Azerbaijan	2.3	2.5	73.4	73.1	26.6	26.9	7.6	6.5	0.0	0.0	92.2	92.1	7.8	7.9	0.0	0.0	100	100	11	13	8	9	42	49	31	36
12	Bahamas	6.5	6.8	53.7	55.7	46.3	44.3	13.7	15.9	0.0	0.0	100	100	0.0	0.0	...	...	92.6	92.6	726	778	390	434	859	910	461	507
13	Bahrain	5.0	4.7	71.3	70.6	28.7	29.4	10.7	10.0	0.0	0.0	100	100	...	0.0	8.2	8.3	91.8	91.7	469	441	334	312	672	611	479	431
14	Bangladesh	3.8	3.8	34.7	36.5	65.3	63.5	5.8	6.9	0.0	0.0	87.4	89.0	12.6	11.0	0.0	0.0	95.0	93.9	10	12	4	4	40	42	14	16
15	Barbados	6.4	6.4	60.2	61.1	39.8	38.9	11.6	11.8	0.0	0.0	100	100	0.0	0.0	19.6	19.5	80.4	80.5	532	571	320	349	843	873	507	533
16	Belarus	6.2	6.1	87.2	86.1	12.8	13.9	11.6	11.9	0.0	0.0	99.9	99.1	0.1	0.9	0.0	0.0	100	100	83	79	73	68	293	477	256	411
17	Belgium	8.6	8.6	71.0	71.2	29.0	28.8	11.9	12.0	88.0	88.0	12.0	12.0	0.0	0.0	6.8	7.0	46.7	48.0	2 063	2 110	1 465	1 502	1 944	2 122	1 380	1 510
18	Belize	4.9	5.8	52.9	59.9	47.1	40.1	8.1	10.4	0.0	0.0	95.8	97.0	4.2	3.0	0.0	0.0	100	100	143	170	76	102	246	293	130	176
19	Benin	3.1	3.2	48.5	49.4	51.5	50.6	6.0	6.3	0.0	0.0	85.8	83.4	14.2	16.6	0.0	0.0	100	100	11	12	6	6	23	24	11	12
20	Bhutan	3.7	3.8	90.4	90.3	9.6	9.7	10.1	12.2	0.0	0.0	70.3	72.5	29.7	27.5	0.0	0.0	100	100	23	23	21	21	68	71	62	64
21	Bolivia	4.7	5.0	63.9	65.6	36.1	34.4	9.1	10.0	65.3	64.8	24.9	25.8	9.8	9.4	7.8	7.8	85.7	85.7	48	53	31	35	109	119	70	78
22	Bosnia and Herzegovina	4.0	3.9	55.4	57.1	44.6	42.9	6.2	6.4	0.0	0.0	69.1	71.3	30.9	28.7	0.0	0.0	100	100	13	15	7	9	178	205	99	117
23	Botswana	3.4	3.5	70.5	70.7	29.5	29.3	5.9	5.5	0.0	0.0	98.5	98.9	1.5	1.1	52.9	48.1	37.1	41.3	119	120	84	85	196	207	138	147
24	Brazil	6.5	6.9	40.3	48.2	59.7	51.8	9.7	9.0	0.0	0.0	100	100	0.0	0.0	48.0	53.2	52.0	46.8	316	320	127	154	454	470	183	227
25	Brunei Darussalam	5.4	5.7	40.6	43.5	59.4	56.5	4.5	5.0	0.0	0.0	100	100	0.0	0.0	0.0	0.0	100	100	956	872	389	379	992	985	403	428
26	Bulgaria	4.4	4.1	80.0	78.3	20.0	21.7	8.9	8.1	10.5	14.3	89.5	85.7	...	0.0	0.0	0.0	93.5	93.5	54	61	43	48	156	161	125	126
27	Burkina Faso	4.0	4.0	67.6	67.7	32.4	32.3	10.6	10.6	0.0	0.0	60.0	68.1	40	31.9	0.0	0.0	100	100	9	9	6	6	30	32	20	21
28	Burundi	2.1	2.3	42.2	41.2	57.8	58.8	4.0	3.9	0.0	0.0	69.4	66.3	30.6	33.7	0.0	0.0	100	100	3	3	1	1	10	11	4	5
29	Cambodia	7.2	7.2	9.4	8.4	90.6	91.6	7.0	6.1	0.0	0.0	49.0	34.1	51.0	65.9	0.0	0.0	100	100	18	16	2	1	54	54	5	5
30	Cameroon	2.8	2.7	29.4	30.9	70.6	69.1	5.7	5.6	0.0	0.0	63.8	57.4	36.2	42.6	...	...	81.6	80.8	17	17	5	5	32	33	9	10
31	Canada	9.0	9.3	69.9	70.1	30.1	29.9	14.2	14.7	1.6	1.7	98.4	98.3	0.0	0.0	36.1	37.5	56.9	55.6	1 876	1 847	1 311	1 296	2 183	2 363	1 525	1 657
32	Cape Verde	2.6	2.6	71.8	69.0	28.2	31.0	4.7	4.3	0.0	0.0	75.8	67.3	24.2	32.7	...	...	100	100	34	35	24	24	76	83	54	57
33	Central African Republic	2.4	2.4	51.4	48.9	48.6	51.1	4.0	3.8	0.0	0.0	75.7	72.9	24.3	27.1	0.0	0.0	77.3	78.0	7	7	3	3	19	21	10	10
34	Chad	3.1	2.9	79.3	78.6	20.7	21.4	13.2	12.6	0.0	0.0	78.0	65.7	22.0	34.3	0.0	0.0	100	100	7	7	5	5	19	19	15	15
35	Chile	7.2	7.5	37.9	39.6	62.1	60.4	12.1	12.4	83.6	75.7	16.0	23.9	0.4	0.4	33.7	33.8	66.3	66.2	371	369	141	146	642	664	243	263
36	China	4.2	4.5	39.4	38.8	60.6	61.2	13.6	12.8	87.0	80.1	12.6	19.3	0.4	0.6	0.0	0.0	78.9	80.2	31	34	12	13	127	143	50	55
37	Colombia	9.3	9.3	57.6	54.8	42.4	45.2	18.2	17.4	40.3	38.4	59.5	61.3	0.2	0.2	38.9	38.6	61.1	61.4	247	226	142	124	433	413	249	227
38	Comoros	4.5	4.9	68.2	71.8	31.8	28.2	8.7	9.4	0.0	0.0	75.8	76.0	24.2	24.0	0.0	0.0	100	100	13	15	9	11	36	40	25	28
39	Congo	2.8	3.0	64.6	67.2	35.4	32.8	4.8	4.3	0.0	0.0	84.5	80.3	15.5	19.7	0.0	0.0	100	100	24	20	15	14	45	48	29	33
40	Cook Islands	5.3	5.3	67.1	68.3	32.9	31.7	10.3	10.6	0.0	0.0	99.8	99.8	0.2	0.2	0.0	0.0	100	100	276	241	185	165	423	419	284	286
41	Costa Rica	7.0	6.8	78.3	77.4	21.7	22.6	21.6	20.7	84.9	89.5	14.5	9.9	0.6	0.6	3.0	3.0	97.0	97.0	239	245	187	189	448	460	351	356
42	Côte d'Ivoire	3.0	2.9	46.0	46.7	54.0	53.3	5.7	6.0	0.0	0.0	81.6	82.3	18.4	17.7	14.9	14.0	85.1	86.0	21	22	10	10	47	50	22	23
43	Croatia	8.2	8.8	80.5	81.7	19.5	18.3	13.2	13.7	92.6	86.1	7.4	13.9	...	0.0	0.0	0.0	100	100	354	408	285	334	549	623	442	509
44	Cuba	6.3	6.4	87.5	87.6	12.5	12.4	10.0	10.3	20.9	19.4	79.0	80.5	0.1	0.1	0.0	0.0	100	100	131	138	114	121	282	303	247	266
45	Cyprus	6.4	6.3	36.3	37.9	63.7	62.1	6.3	6.4	80.9	80.0	19.1	20.0	0.0	0.0	...	...	97.9	96.9	714	728	259	276	904	966	328	367
46	Czech Republic	7.1	7.1	91.7	91.9	8.3	8.1	14.2	15.0	89.5	90.2	10.5	9.8	...	0.0	...	...	100	100	363	392	333	360	870	946	798	869
47	Democratic People's Republic of Korea	3.0	3.0	83.5	83.5	16.5	16.5	5.5	5.5	0.0	0.0	99.0	99.0	1.0	1.0	0.0	0.0	100	100	14	14	12	11	30	30	25	25
48	Democratic Republic of the Congo	1.6	1.7	74.1	74.1	25.9	25.9	12.3	13.5	0.0	0.0	90.5	92.2	9.5	7.8	0.0	0.0	100	100	26	27	19	20	35	46	26	34
49	Denmark	8.2	8.3	82.3	81.9	17.7	18.1	12.1	12.5	0.0	0.0	100	100	0.0	0.0	7.9	8.2	92.1	91.8	2 637	2 737	2 170	2 241	1 953	2 138	1 607	1 751
50	Djibouti	4.6	4.9	44.4	46.3	55.6	53.7	5.7	5.9	0.0	0.0	96.7	95.7	3.3	4.3	0.0	0.0										

Annex Table 5 Selected National Health Accounts indicators for all Member States, estimates for 1997 and 1998

Member State	Total expenditure on health as % of GDP		Public expenditure on health as % of total expenditure on health		Private expenditure on health as % of total expenditure on health		Public expenditure on health as % of general government expenditure		Social security expenditure on health as % of public expenditure on health		Tax funded expenditure on health as % of public expenditure on health		External resources for health as % of public expenditure on health		Private insurance on health as % of private expenditure on health		Out-of-pocket disbursements for health as % of private expenditure on health		Per capita total expenditure on health at official exchange rate (US \$)		Per capita public expenditure on health at official exchange rate (US \$)		Per capita total expenditure on health in international dollars		Per capita public expenditure on health in international dollars			
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
	51	Dominica	5.9	5.8	69.6	68.4	30.4	31.6	10.9	10.9	0.0	0.0	97.5	97.5	2.5	2.5	17.6	17.0	82.4	83.0	51	204	212	142	145	293	303	204	208
52	Dominican Republic	6.4	6.5	29.1	28.3	70.9	71.7	10.5	10.2	22.3	21.9	75.4	74.3	2.3	3.7	13.1	14.2	77.1	76.2	52	122	126	35	36	229	240	66	68
53	Ecuador	3.7	3.6	50.8	45.9	49.2	54.1	7.0	6.8	48.8	44.1	49.1	53.5	2.1	2.4	10.5	10.3	65.4	63.8	53	62	59	31	27	124	119	63	55
54	Egypt	4.3	4.6	31.8	30.8	68.2	69.2	4.5	4.4	39.6	39.5	56.1	55.2	4.3	5.3	0.4	0.4	93.2	93.8	54	51	56	16	17	132	144	42	44
55	El Salvador	8.1	8.3	38.7	42.5	61.3	57.5	21.1	22.0	43.3	41.7	47.8	51.5	8.9	6.8	2.7	3.3	97.1	96.7	55	153	164	59	70	328	343	127	146
56	Equatorial Guinea	3.6	4.2	56.0	59.4	44.0	40.6	7.9	8.3	0.0	0.0	85.9	81.3	14.1	18.7	0.0	0.0	100	100	56	42	44	24	26	101	121	57	72
57	Eritrea	4.4	5.4	65.8	66.1	34.2	33.9	5.3	4.5	0.0	0.0	83.1	82.6	16.9	17.4	0.0	0.0	100	100	57	9	10	6	7	37	47	25	31
58	Estonia	6.3	6.0	88.5	86.3	11.5	13.7	15.2	13.3	72.2	77.2	26.7	21.2	1.1	1.7	...	...	97.9	96.6	58	203	217	179	188	503	516	445	445
59	Ethiopia	4.7	5.2	41.4	46.6	58.6	53.4	8.1	9.5	0.0	0.0	85.9	85.9	14.1	14.1	0.0	0.0	87.6	86.1	59	5	6	2	3	25	28	11	13
60	Fiji	4.0	4.1	66.7	65.4	33.3	34.6	7.4	6.9	0.0	0.0	99.2	86.9	0.8	13.1	0.0	0.0	100	100	60	106	82	70	54	184	170	123	111
61	Finland	7.3	6.9	76.1	76.3	23.9	23.7	10.3	10.5	19.6	19.8	80.4	80.2	0.0	0.0	10.4	10.5	83.0	82.4	61	1 739	1 735	1 323	1 323	1 495	1 570	1 137	1 198
62	France	9.4	9.3	76.1	76.1	23.9	23.9	13.5	13.6	96.8	96.8	3.2	3.2	0.0	0.0	51.7	52.7	44.0	43.0	62	2 251	2 297	1 712	1 747	1 905	2 074	1 449	1 578
63	Gabon	3.1	3.0	66.5	66.7	33.5	33.3	6.2	6.4	0.0	0.0	92.6	92.9	7.4	7.1	0.0	0.0	100	100	63	138	122	92	81	182	181	121	121
64	Gambia	3.0	3.2	78.7	78.2	21.3	21.8	11.5	11.9	0.0	0.0	86.2	82.9	13.8	17.1	0.0	0.0	100	100	64	11	11	8	9	44	48	35	38
65	Georgia	4.4	4.8	8.6	7.1	91.4	92.9	2.6	2.3	0.0	0.0	91.6	81.8	8.4	18.2	...	...	100	100	65	43	47	4	3	163	173	14	12
66	Germany	10.5	10.3	76.6	75.8	23.4	24.2	16.7	16.4	90.7	91.6	9.3	8.3	0.0	0.0	29.5	29.5	52.2	52.8	66	2 708	2 697	2 074	2 044	2 225	2 382	1 703	1 806
67	Ghana	3.6	4.3	55.1	54.0	44.9	46	9.6	9.0	0.0	0.0	72.1	77.3	27.9	22.7	0.0	0.0	100	100	67	14	18	8	10	77	96	42	52
68	Greece	8.7	8.4	55.2	56.3	44.8	43.7	9.4	9.3	28.0	39.0	72.0	61.0	0.0	0.0	4.9	5.2	82.5	87.8	68	1 002	960	553	541	1 211	1 220	668	687
69	Grenada	4.6	4.5	65.7	64.0	34.3	36.0	10.4	10.4	0.0	0.0	98.2	98.8	1.8	1.2	...	...	100	100	69	157	172	103	110	264	286	174	183
70	Guatemala	4.3	4.4	44.9	47.5	55.1	52.5	15.5	14.0	57.7	55.3	36.3	37.9	6.1	6.9	3.8	4.5	92.3	93.2	70	73	78	33	37	160	168	72	80
71	Guinea	3.6	3.6	57.2	60.4	42.8	39.6	9.7	12.9	0.0	0.0	73.9	73.2	26.1	26.8	0.0	0.0	100	100	71	18	17	10	11	53	55	30	33
72	Guinea-Bissau	3.9	4.0	64.0	65.1	36.0	34.9	2.2	1.9	0.0	0.0	79.2	76.9	20.8	23.1	0.0	0.0	100	100	72	9	10	6	6	27	27	17	18
73	Guyana	4.6	4.5	81.5	82.4	18.5	17.6	8.6	8.6	0.0	0.0	99.4	99.4	0.6	0.6	...	...	93.9	100	73	45	45	37	37	113	115	92	94
74	Haiti	3.6	3.6	33.5	28.5	66.5	71.5	10.8	9.7	0.0	0.0	63.4	66.7	36.6	33.3	...	...	43.2	40.2	74	14	16	5	5	37	38	12	11
75	Honduras	6.4	6.4	55.4	60.8	44.6	39.2	17.0	18.9	9.7	9.8	84.9	84.6	5.3	5.6	0.1	0.1	91.4	91.4	75	50	56	28	34	132	133	73	81
76	Hungary	6.8	6.8	75.3	76.5	24.7	23.5	10.4	9.7	35.5	38.0	64.5	62.0	...	0.0	...	...	46.9	50.1	76	309	320	233	244	696	742	525	568
77	Iceland	8.0	8.4	83.7	83.9	16.3	16.1	18.9	21.0	31.5	29.8	68.5	70.2	0.0	0.0	0.0	0.0	100	100	77	2 162	2 476	1 810	2 078	1 998	2 277	1 673	1 911
78	India	5.5	5.1	15.3	18.0	84.7	82.0	4.7	5.6	0.0	0.0	96.0	96.4	4.0	3.6	0.0	0.0	97.3	97.3	78	24	22	4	4	111	110	17	20
79	Indonesia	2.4	2.7	23.8	25.5	76.2	74.5	2.8	3.3	14.1	20.8	70.9	60.3	15.0	18.9	4.4	3.9	95.6	96.1	79	25	12	6	3	78	54	18	14
80	Iran, Islamic Republic of	5.9	5.7	46.4	48.6	53.6	51.4	10.4	9.9	36.5	37.9	63.4	62.1	0.0	0.0	0.0	0.0	100	100	80	139	155	64	75	406	397	188	193
81	Iraq	4.2	4.2	58.9	59.1	41.1	40.9	12.5	13.5	0.0	0.0	100	100	0.0	0.0	0.0	0.0	100	100	81	125	149	74	88	195	209	115	124
82	Ireland	6.9	6.8	75.6	76.8	24.4	23.2	14.8	15.7	8.3	9.0	91.7	91.0	0.0	0.0	32.9	35.7	54.6	49.2	82	1 512	1 567	1 144	1 203	1 498	1 583	1 133	1 216
83	Israel	8.8	8.8	68.1	66.8	31.9	33.2	12.5	12.0	0.0	0.0	100	100	...	...	0.0	0.0	81.7	84.1	83	1 561	1 501	1 064	1 003	1 630	1 607	1 111	1 074
84	Italy	7.7	7.7	72.2	71.9	27.8	28.1	11.2	11.4	0.4	0.1	99.6	99.9	0.0	0.0	4.8	4.7	90.4	87.2	84	1 568	1 603	1 132	1 153	1 603	1 712	1 157	1 231
85	Jamaica	5.4	5.5	53.5	53.0	46.5	47.0	8.7	8.1	0.0	0.0	97.3	96.4	2.7	3.6	7.6	7.3	50.6	48.6	85	154	159	83	84	269	265	144	141
86	Japan ^a	7.4	7.5	79.5	78.1	20.5	21.9	16.5	13.6	89.0	89.2	11.0	10.8	0.0	0.0	...	1.3	78.9	77.8	86	2 467	2 244	1 961	1 752	1 783	1 763	1 417	1 377
87	Jordan	8.8	8.5	62.6	62.1	37.4	37.9	14.7	14.4	0.0	0.0	98.0	97.2	2.0	2.8	0.0	0.0	83.1	82.7	87	147	147	92	91	355	348	222	216
88	Kazakhstan	4.9	5.7	76.4	70.6	23.6	29.4	17.6	13.4	26.9	28.3	72.8	70.7	0.3	1.1	...	...	100	100	88	81	66	62	47	231	214	176	151
89	Kenya	7.6	7.6	28.2	28.1	71.8	71.9	7.9	7.8	13.5	13.6	60.1	59.9	26.3	26.5	4.7	4.5	73.9	74.3	89	28	30	8	8	104	104	29	29
90	Kiribati	8.9	8.4	99.1	99.2	0.9	0.8	12.9	11.8	0.0	0.0	98.5	98.3	1.5	1.7	0.0	0.0	100	100	90	54	47	54	47	140	138	138	137
91	Kuwait	3.3	4.0	87.4	87.1	12.6	12.9	8.4	8.0	0.0	0.0	100	100	0.0	0.0	0.0	0.0	100	100	91	580	565	507	492	554	536	485	467
92	Kyrgyzstan	3.9	4.5	69.4	63.9	30.6	36.1	10.4	10.1	0.8	4.6	94.0	85.8	5.2	9.6	...	...	100	100	92	15	15	10	10	92	105	64	67
93	Lao People's Democratic Republic	4.3	4.1	36.8	37.1	63.2	62.9	6.0	5.7	0.6	0.6	86.3	87.2	13.1	12.1	0.0	0.0	100	100	93	15	11	6	4	55	50	20	19
94	Latvia	6.0	6.7	60.6	61.8	39.4	38.2	9.6	9.6	52.5	49.0	47.4	50.3	0.1	0.7	...	...	100	100	94	138	167	84	103	359	419	218	259
95	Lebanon	11.3	11.6	20.6	18.0	79.4	82.0	5.4	6.4	5.9	14.7	84.9	76.9	9.2	8.4	1.5	13.6	95.2	85.0	95	503	534	104	96	608	594	125	107
96	Lesotho	5.3	6.0	76.0	78.3	24.0	21.7	12.4	10.8	0.0	0.0	79.5	82.0	20.5	18.0	0.0	0.0	100	100	96	28	27	21	21	77	77	58	60
97	Liberia	2.5	2.4	66.7	66.0	33.3	34.0	6.7	7.7	0.0	0.0	88.8	83.1	11.2	16.9	0.0	0.0	100	100	97	1	1	1	1	25	24	17	16
98	Libyan Arab Jamahiriya	3.7	3.9	47.6	47.6	52.4	52.4	2.6	2.7	0.0	0.0	100	100	...	...	0.0	0.0	90.9	90.9	98	345	344	164	164	286	290	136	138
99	Lithuania	6.6	6.6																									

Annex Table 5 Selected National Health Accounts indicators for all Member States, estimates for 1997 and 1998

Member State	Total expenditure on health as % of GDP		Public expenditure on health as % of total expenditure on health		Private expenditure on health as % of total expenditure on health		Public expenditure on health as % of general government expenditure		Social security expenditure on health as % of public expenditure on health		Tax funded expenditure on health as % of public expenditure on health		External resources for health as % of public expenditure on health		Private insurance on health as % of private expenditure on health		Out-of-pocket disbursements for health as % of private expenditure on health		Per capita total expenditure on health at official exchange rate (US \$)		Per capita public expenditure on health at official exchange rate (US \$)		Per capita total expenditure on health in international dollars		Per capita public expenditure on health in international dollars		
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	
	103	Malaysia	2.3	2.5	57.6	57.7	42.4	42.3	5.6	6.0	0.0	0.0	98.8	98.5	1.2	1.5	0.0	0.0	100	100	110	84	63	48	194	168	112	97
104	Maldives	7.1	7.2	74.5	72.3	25.5	27.7	10.9	10.0	0.0	0.0	91.6	91.9	8.4	8.1	0.0	0.0	100	100	91	96	68	69	198	211	147	152
105	Mali	4.2	4.4	45.8	46.5	54.2	53.5	7.8	8.3	0.0	0.0	74.9	75.6	25.1	24.4	...	...	89.8	87.2	10	11	5	5	23	26	11	12
106	Malta	8.2	8.4	70.9	69.3	29.1	30.7	14.0	14.1	62.7	62.4	37.3	37.6	0.0	0.0	...	...	100	100	715	761	507	527	1 011	1 135	717	786
107	Marshall Islands	9.2	9.5	61.9	61.6	38.1	38.4	14.1	13.9	0.0	0.0	61.5	62.3	38.5	37.7	0.0	0.0	100	100	144	143	89	88	187	184	116	113
108	Mauritania	2.9	3.3	69.7	69.1	30.3	30.9	7.7	10.5	0.0	0.0	84.8	79.4	15.2	20.6	0.0	0.0	100	100	13	13	9	9	32	38	22	26
109	Mauritius	3.4	3.4	51.1	51.8	48.9	48.2	7.1	7.1	0.0	0.0	79.1	80.2	20.9	19.8	...	...	100	100	122	117	62	61	264	280	135	145
110	Mexico	5.4	5.3	43.6	48.0	56.4	52.0	6.0	7.2	72.7	70.4	27.3	29.5	0.0	0.0	2.7	4.0	93.7	92.1	228	234	99	112	443	443	193	212
111	Micronesia, Federated States of	10.7	10.5	56.7	55.3	43.3	44.7	11.3	11.2	0.0	0.0	63.0	61.5	37.0	38.5	0.0	0.0	33.3	33.3	213	206	121	114	383	364	217	202
112	Monaco	7.0	7.2	50.0	49.3	50.0	50.7	17.8	17.9	93.8	94.1	6.3	5.9	0.0	0.0	...	...	100	100	1 661	1 772	831	873	1 435	1 628	718	802
113	Mongolia	5.0	6.2	62.7	65.4	37.3	34.6	13.4	14.7	36.8	39.9	51.8	55.3	11.4	4.8	0.0	0.0	73.3	74.5	22	24	14	16	79	88	49	58
114	Morocco	4.6	4.4	28.6	30.0	71.4	70.0	3.9	3.9	8.4	8.5	89.8	89.8	1.8	1.7	23.1	23.2	76.8	76.7	54	54	16	16	137	145	39	43
115	Mozambique	3.9	3.8	56.2	57.7	43.8	42.3	11.2	11.1	0.0	0.0	39.8	38.7	60.2	61.3	0.0	0.0	41.2	41.7	8	8	4	5	23	25	13	14
116	Myanmar	1.6	1.5	20.3	15.1	79.7	84.9	3.6	3.9	3.4	2.8	93.1	93.7	3.4	3.5	...	...	100	100	65	86	13	13	24	32	5	5
117	Namibia	7.9	8.2	54.3	54.3	45.7	45.7	11.1	12.0	0.0	0.0	91.6	93.2	8.4	6.8	91.3	91.3	3.0	2.9	155	145	84	79	330	337	179	183
118	Nauru	4.9	4.9	97.4	97.4	2.6	2.6	9.6	9.7	0.0	0.0	100	100	...	...	0.0	0.0	100	100	168	141	164	138	523	507	510	493
119	Nepal	4.7	5.4	20.6	23.5	79.4	76.5	5.3	6.2	0.0	0.0	67.1	66.2	32.9	33.8	0.0	0.0	73.5	72.4	11	11	2	3	51	58	11	14
120	Netherlands	8.7	8.7	68.9	68.6	31.1	31.4	12.7	12.9	93.8	94.0	6.2	6.0	0.0	0.0	57.5	55.7	23.2	25.5	2 086	2 166	1 436	1 487	1 856	2 056	1 278	1 411
121	New Zealand	7.6	8.1	77.3	77.0	22.7	23.0	12.7	13.5	0.0	0.0	100	100	0.0	0.0	29.8	27.7	70.2	72.3	1 339	1 159	1 035	893	1 374	1 469	1 062	1 132
122	Nicaragua	5.9	5.7	61.3	62.8	38.7	37.2	22.1	22.3	18.7	17.6	61.2	66.5	20.1	15.9	...	...	100	100	51	53	31	33	132	139	81	87
123	Niger	3.0	3.0	51.1	48.6	48.9	51.4	6.0	5.5	0.0	0.0	61.0	63.8	39.0	36.2	0.0	0.0	81.4	80.2	5	5	3	3	16	17	8	8
124	Nigeria	1.9	2.1	27.0	39.4	73.0	60.6	3.5	5.1	0.0	0.0	53.8	60.5	46.2	39.5	...	...	100	100	20	24	5	10	17	18	5	7
125	Niue	7.6	6.7	97.3	96.7	2.7	3.3	13.0	12.6	0.0	0.0	100	100	...	...	0.0	0.0	100	100	411	328	399	317	411	328	400	317
126	Norway	8.0	8.6	83.0	82.8	17.0	17.2	14.7	14.8	0.0	0.0	100	100	0.0	0.0	...	...	88.9	90.8	2 831	2 848	2 348	2 359	2 148	2 246	1 782	1 860
127	Oman	3.2	3.6	82.1	81.6	17.9	18.4	6.9	7.3	0.0	0.0	100	100	0.0	0.0	0.0	0.0	49.9	51.1	303	294	249	240	327	353	268	288
128	Pakistan	4.0	4.0	22.9	23.6	77.1	76.4	2.9	3.1	55.1	55.2	42.0	41.4	2.9	3.4	0.0	0.0	100	100	18	18	4	4	66	67	15	16
129	Palau	6.1	6.4	87.5	88.0	12.5	12.0	8.9	9.1	0.0	0.0	78.6	83.6	21.4	16.4	0.0	0.0	100	100	442	449	387	395	444	437	388	384
130	Panama	7.6	7.5	66.7	68.9	33.3	31.1	18.7	18.5	60.6	61.8	38.8	37.5	0.6	0.6	16.8	16.9	76.8	76.8	241	255	161	175	412	427	275	294
131	Papua New Guinea	3.3	3.9	89.4	91.4	10.6	8.6	9.6	12.3	0.0	0.0	83.5	77.8	16.5	22.2	2.1	5.1	88.2	91.8	35	32	31	29	67	79	60	73
132	Paraguay	7.5	7.3	33.1	37.7	66.9	62.3	13.6	14.9	47.8	44.9	48.7	38.1	3.5	17.0	20.8	12.0	69.2	77.2	142	120	47	45	307	282	102	106
133	Peru	4.0	4.4	55.5	57.2	44.5	42.8	10.2	11.0	43.7	43.8	53.7	52.7	2.6	3.4	6.6	6.9	80.4	80.0	98	100	54	57	188	197	104	112
134	Philippines	3.6	3.6	43.4	42.4	56.6	57.6	6.7	6.6	11.8	8.8	83.5	84.7	4.7	6.4	3.4	3.4	82.9	83.2	41	32	18	14	162	144	70	61
135	Poland	6.1	6.4	72.0	65.4	28.0	34.6	9.5	9.4	0.0	0.0	100	100	...	0.0	0.0	0.0	100	100	228	264	164	173	465	535	334	350
136	Portugal	7.5	7.7	67.1	66.9	32.9	33.1	12.0	12.2	7.4	8.5	91.8	92.0	0.0	0.0	5.2	5.3	67.8	68.0	801	859	537	575	1 081	1 217	725	814
137	Qatar	4.0	4.4	76.3	76.6	23.7	23.4	7.6	7.8	0.0	0.0	100	100	0.0	0.0	0.0	0.0	24.7	24.4	836	842	638	645	919	919	701	705
138	Republic of Korea	5.0	5.1	41.0	46.2	59.0	53.8	9.4	9.6	71.9	74.5	28.1	25.5	0.0	0.0	11.3	12.9	78.2	77.4	523	354	215	164	716	580	294	268
139	Republic of Moldova	8.0	6.5	75.4	68.1	24.6	31.9	11.9	11.9	0.0	0.0	97.6	96.2	2.4	3.8	0.0	0.0	100	100	36	25	27	17	181	125	137	85
140	Romania	4.1	3.8	62.9	56.9	37.1	43.1	7.5	7.9	18.7	21.6	80.3	77.4	1.0	0.9	...	...	100	100	63	65	40	37	258	238	162	135
141	Russian Federation	5.7	5.6	70.5	70.7	29.5	29.3	10.6	12.3	83.8	81.8	15.7	16.5	0.5	1.7	...	...	72.4	73.6	173	109	122	77	418	317	295	225
142	Rwanda	5.2	5.0	34.1	37.2	65.9	62.8	8.7	9.8	0.9	0.9	28.5	24.3	70.6	74.9	0.2	0.2	62.4	52.0	17	16	6	6	41	39	14	14
143	Saint Kitts and Nevis	4.7	4.7	68.4	67.6	31.6	32.4	10.9	10.9	0.0	0.0	92.5	92.6	7.5	7.4	...	...	100	100	320	349	219	236	501	530	343	358
144	Saint Lucia	4.1	4.4	62.3	65.6	37.7	34.4	9.0	8.8	...	...	97.0	97.4	3.0	2.6	...	...	100	100	169	186	105	122	231	255	144	167
145	Saint Vincent and the Grenadines	6.3	5.9	63.8	62.5	36.2	37.5	9.8	9.7	0.0	0.0	99.9	99.8	0.1	0.2	...	...	100	100	163	170	104	106	313	319	200	199
146	Samoa	3.5	3.5	71.4	68.9	28.6	31.1	12.5	12.4	0.0	0.0	97.8	93.0	2.2	7.0	0.0	0.0	100	100	52	48	37	33	107	106	77	73
147	San Marino	7.6	7.7																								

Annex Table 5 Selected National Health Accounts indicators for all Member States, estimates for 1997 and 1998

Member State	Total expenditure on health as % of GDP		Public expenditure on health as % of total expenditure on health		Private expenditure on health as % of total expenditure on health		Public expenditure on health as % of general government expenditure		Social security expenditure on health as % of public expenditure on health		Tax funded expenditure on health as % of public expenditure on health		External resources for health as % of public expenditure on health		Private insurance on health as % of private expenditure on health		Out-of-pocket disbursements for health as % of private expenditure on health		Per capita total expenditure on health at official exchange rate (US \$)		Per capita public expenditure on health at official exchange rate (US \$)		Per capita total expenditure on health in international dollars		Per capita public expenditure on health in international dollars	
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
	154 Slovakia	7.1	6.3	91.4	90.7	8.6	9.3	13.7	12.5	66.2	73.4	33.8	26.6	...	0.1	83.3	85.2	270	251	247	228	695	652	635	592
155 Slovenia	8.9	8.7	79.3	78.7	20.7	21.3	16.3	15.6	96.3	98.6	3.7	1.4	0.0	0.0	48.1	49.1	51.9	50.9	811	852	643	671	1 240	1 340	984	1 055
156 Solomon Islands	3.5	4.4	95.3	95.8	4.7	4.2	11.4	11.4	0.0	0.0	85.2	82.2	14.8	17.8	0.0	0.0	6.7	6.3	43	38	41	36	100	92	95	88
157 Somalia	2.4	2.0	62.5	62.4	37.5	37.6	5.6	4.5	0.0	0.0	92.6	81.5	7.4	18.5	0.0	0.0	100	100	5	4	3	3	13	11	8	7
158 South Africa	10.3	8.7	47.3	43.6	52.7	56.4	12.7	11.6	0.0	0.0	99.8	99.7	0.2	0.3	77.8	75.8	20.2	22.4	321	275	152	120	628	530	297	231
159 Spain	7.1	7.0	76.6	76.8	23.4	23.2	13.5	14.3	13.6	11.7	86.4	88.3	0.0	0.0	23.4	23.6	76.6	76.4	995	1 026	762	788	1 104	1 215	846	933
160 Sri Lanka	3.2	3.4	49.5	51.3	50.5	48.7	6.0	5.8	0.0	0.0	95.8	96.0	4.2	4.0	1.0	1.0	99.0	99.0	26	29	13	15	89	99	44	51
161 Sudan	4.4	4.2	20.9	24.1	79.1	75.9	3.4	4.4	0.0	0.0	99.7	99.2	0.3	0.8	0.0	0.0	100	100	120	121	25	29	60	60	13	14
162 Suriname	6.7	7.1	60.2	62.2	39.8	37.8	19.9	14.1	44.7	42.1	22.8	22.7	32.4	35.2	...	...	100	100	148	140	89	87	276	225	166	140
163 Swaziland	3.4	3.7	72.3	72.0	27.7	28.0	8.2	8.0	0.0	0.0	79.3	76.7	20.7	23.3	0.0	0.0	100	100	52	51	37	37	160	167	116	120
164 Sweden	8.1	7.9	84.3	83.8	15.7	16.2	11.3	11.4	0.0	0.0	100	100	0.0	0.0	...	...	100	100	2 272	2 144	1 914	1 797	1 709	1 731	1 440	1 450
165 Switzerland	10.4	10.6	55.2	54.9	44.8	45.1	10.9	10.4	71.6	72.3	28.4	27.7	0.0	0.0	25.7	23.8	72.0	72.6	3 720	3 877	2 052	2 127	2 532	2 861	1 396	1 570
166 Syrian Arab Republic	4.0	4.0	51.7	51.5	48.3	48.5	7.1	7.1	0.0	0.0	99.8	99.9	0.2	0.1	0.0	0.0	100	100	42	46	22	24	106	109	55	56
167 Tajikistan	3.0	2.3	66.0	61.5	34.0	38.5	9.4	8.2	0.0	0.0	96.5	97.5	3.5	2.5	0.0	0.0	100	100	5	5	3	3	40	37	26	23
168 Thailand	3.7	3.9	57.2	61.4	42.8	38.6	10.9	13.3	8.3	8.3	91.5	91.6	0.1	0.1	13.6	15	86.1	84.8	93	71	53	44	221	197	126	121
169 The former Yugoslav Republic of Macedonia	6.5	8.0	84.8	87.6	15.2	12.4	15.6	19.9	89.6	92.5	9.9	7.2	0.5	0.4	0.0	0.0	100	100	121	140	103	123	268	355	227	311
170 Togo	2.8	2.4	42.8	50.0	57.2	50.0	4.3	4.3	0.0	0.0	84.7	83.2	15.3	16.8	0.0	0.0	100	100	10	9	4	4	34	31	15	16
171 Tonga	7.9	7.7	46.8	46.1	53.2	53.9	13.1	14.2	0.0	0.0	90.7	90.8	9.3	9.2	0.0	0.0	100	100	143	123	67	57	276	266	129	123
172 Trinidad and Tobago	5.0	5.2	43.4	44.2	56.6	55.8	7.6	6.9	0.0	0.0	100	100	0.0	0.0	5.8	5.6	87.5	87.8	228	248	99	109	358	398	155	176
173 Tunisia	5.3	5.3	40.4	41.3	59.6	58.7	6.7	7.0	42.7	40.0	57.2	59.9	0.1	0.1	0.0	0.0	90.9	91.5	109	115	44	47	282	310	114	128
174 Turkey	4.2	4.9	71.5	71.9	28.5	28.1	10.7	11.5	39.0	43.8	61.0	56.2	0.0	0.0	0.2	0.2	99.6	99.6	125	150	90	108	273	326	195	234
175 Turkmenistan	3.9	5.5	74.5	79.2	25.5	20.8	11.7	16.7	9.9	5.3	87.7	93.2	2.4	1.6	0.0	0.0	100	100	23	32	17	25	117	172	87	136
176 Tuvalu	8.9	9.0	71.4	72.2	28.6	27.8	7.6	7.1	0.0	0.0	94.2	94.6	5.8	5.4	0.0	0.0	100	100	125	110	90	79	300	293	214	212
177 Uganda	3.7	3.5	50.7	38.2	49.3	61.8	11.5	9.3	0.0	0.0	38.2	51.2	61.8	48.8	0.6	0.5	59.1	54.2	12	11	6	4	32	30	16	11
178 Ukraine	5.4	5.0	75.0	71.1	25.0	28.9	9.3	8.0	0.0	0.0	99.2	99.5	0.8	0.5	0.0	0.0	100	100	53	42	40	30	189	158	142	112
179 United Arab Emirates	3.7	4.1	79.3	79.7	20.7	20.3	7.9	7.4	0.0	0.0	100	100	0.0	0.0	19	19.9	65.9	64.7	729	752	578	600	743	739	589	589
180 United Kingdom	6.7	6.8	83.7	83.3	16.3	16.7	13.7	14.3	11.6	11.8	88.4	88.2	0.0	0.0	21.3	20.8	67.1	66.8	1 499	1 628	1 254	1 357	1 457	1 512	1 220	1 260
181 United Republic of Tanzania	5.1	4.9	47.1	48.5	52.9	51.5	14.8	14.9	0.0	0.0	63.3	56.1	36.7	43.9	0.0	0.0	85.9	86.5	10	10	5	5	21	20	10	10
182 United States of America	13.0	12.9	45.5	44.8	54.5	55.2	17.3	16.9	31.9	33.2	68.1	66.8	0.0	0.0	60.6	60.7	28.2	28.3	3 915	4 055	1 780	1 817	3 915	4 055	1 780	1 817
183 Uruguay	10.0	10.2	45.9	46.4	54.1	53.6	13.7	14.2	51.7	53.0	47.7	46.4	0.6	0.6	63.3	63.7	36.7	36.3	662	697	304	324	884	943	406	438
184 Uzbekistan	4.6	4.1	82.9	82.9	17.1	17.1	11.6	10.3	0.0	0.0	99.4	99.2	0.6	0.8	0.0	0.0	100	100	26	26	22	21	98	97	81	80
185 Vanuatu	3.3	3.3	64.2	63.6	35.8	36.4	9.6	9.6	0.0	0.0	51.6	51.7	48.4	48.3	0.0	0.0	100	100	46	41	29	26	96	95	62	61
186 Venezuela, Bolivarian Republic of	4.6	4.9	50.6	53.1	49.4	46.9	9.4	10.9	27.7	28.6	72.3	71.4	0.0	0.0	4.7	5.2	86.8	94.8	179	200	91	106	289	286	146	152
187 Viet Nam	4.5	5.2	20.3	23.9	79.7	76.1	4.0	6.3	0.0	0.0	93.3	94.7	6.7	5.3	0.0	0.0	100	100	15	19	3	4	90	112	18	27
188 Yemen	2.9	3.9	37.9	39.1	62.1	60.9	3.3	3.9	0.0	0.0	90.1	89.2	9.9	10.8	0.0	0.0	100	100	12	13	5	5	37	49	14	19
189 Yugoslavia	6.7	5.6	58.6	50.9	41.4	49.1	13.8	10.5	0.0	0.0	100	99.9	...	0.1	0.0	0.0	100	100	125	87	73	45	284	233	167	119
190 Zambia	6.0	5.6	56.5	57.3	43.5	42.7	13.4	12.6	0.0	0.0	60.7	57.0	39.3	43.0	0.0	0.0	73.3	74.7	24	20	14	12	51	45	29	26
191 Zimbabwe	9.2	10.8	59.1	55.9	40.9	44.1	15.4	17.0	0.0	0.0	61.9	69.2	38.1	30.8	21.0	16.4	67.0	75.2	67	60	40	33	222	242	131	135

^a Japan data for 1998 are preliminary. They are based on new Japanese national health accounts, estimated as pilot implementation of the OECD manual "A System of Health Accounts". Consequently, the comparability of data over time is limited and there are several breaks in series.

... Data not available or not applicable.

LIST OF MEMBER STATES BY WHO REGION AND MORTALITY STRATUM

African Region (AFR)

Algeria – High child, high adult
Angola – High child, high adult
Benin – High child, high adult
Botswana – High child, very high adult
Burkina Faso – High child, high adult
Burundi – High child, very high adult
Cameroon – High child, high adult
Cape Verde – High child, high adult
Central African Republic – High child, very high adult
Chad – High child, high adult
Comoros – High child, high adult
Congo – High child, very high adult
Côte d'Ivoire – High child, very high adult
Democratic Republic of the Congo – High child, very high adult
Equatorial Guinea – High child, high adult
Eritrea – High child, very high adult
Ethiopia – High child, very high adult
Gabon – High child, high adult
Gambia – High child, high adult
Ghana – High child, high adult
Guinea – High child, high adult
Guinea-Bissau – High child, high adult
Kenya – High child, very high adult
Lesotho – High child, very high adult
Liberia – High child, high adult
Madagascar – High child, high adult
Malawi – High child, very high adult
Mali – High child, high adult
Mauritania – High child, high adult
Mauritius – High child, high adult
Mozambique – High child, very high adult
Namibia – High child, very high adult
Niger – High child, high adult

Nigeria – High child, high adult
Rwanda – High child, very high adult
Sao Tome and Principe – High child, high adult
Senegal – High child, high adult
Seychelles – High child, high adult
Sierra Leone – High child, high adult
South Africa – High child, very high adult
Swaziland – High child, very high adult
Togo – High child, high adult
Uganda – High child, very high adult
United Republic of Tanzania – High child, very high adult
Zambia – High child, very high adult
Zimbabwe – High child, very high adult

Region of the Americas (AMR)

Antigua and Barbuda – Low child, low adult
Argentina – Low child, low adult
Bahamas – Low child, low adult
Barbados – Low child, low adult
Belize – Low child, low adult
Bolivia – High child, high adult
Brazil – Low child, low adult
Canada – Very low child, very low adult
Chile – Low child, low adult
Colombia – Low child, low adult
Costa Rica – Low child, low adult
Cuba – Very low child, very low adult
Dominica – Low child, low adult
Dominican Republic – Low child, low adult
Ecuador – High child, high adult
El Salvador – Low child, low adult
Grenada – Low child, low adult
Guatemala – High child, high adult
Guyana – Low child, low adult

Haiti – High child, high adult
Honduras – Low child, low adult
Jamaica – Low child, low adult
Mexico – Low child, low adult
Nicaragua – High child, high adult
Panama – Low child, low adult
Paraguay – Low child, low adult
Peru – High child, high adult
Saint Kitts and Nevis – Low child, low adult
Saint Lucia – Low child, low adult
Saint Vincent and the Grenadines – Low child, low adult
Suriname – Low child, low adult
Trinidad and Tobago – Low child, low adult
United States of America – Very low child, very low adult
Uruguay – Low child, low adult
Venezuela, Bolivarian Republic of – Low child, low adult

Eastern Mediterranean Region (EMR)

Afghanistan – High child, high adult
Bahrain – Low child, low adult
Cyprus – Low child, low adult
Djibouti – High child, high adult
Egypt – High child, high adult
Iran, Islamic Republic of – Low child, low adult
Iraq – High child, high adult
Jordan – Low child, low adult
Kuwait – Low child, low adult
Lebanon – Low child, low adult
Libyan Arab Jamahiriya – Low child, low adult
Morocco – High child, high adult
Oman – Low child, low adult

Pakistan – High child, high adult
Qatar – Low child, low adult
Saudi Arabia – Low child, low adult
Somalia – High child, high adult
Sudan – High child, high adult
Syrian Arab Republic – Low child, low adult
Tunisia – Low child, low adult
United Arab Emirates – Low child, low adult
Yemen – High child, high adult

European Region (EUR)

Albania – Low child, low adult
Andorra – Very low child, very low adult
Armenia – Low child, low adult
Austria – Very low child, very low adult
Azerbaijan – Low child, low adult
Belarus – Low child, high adult
Belgium – Very low child, very low adult
Bosnia and Herzegovina – Low child, low adult
Bulgaria – Low child, low adult
Croatia – Very low child, very low adult
Czech Republic – Very low child, very low adult
Denmark – Very low child, very low adult
Estonia – Low child, high adult
Finland – Very low child, very low adult
France – Very low child, very low adult
Georgia – Low child, low adult
Germany – Very low child, very low adult
Greece – Very low child, very low adult
Hungary – Low child, high adult
Iceland – Very low child, very low adult
Ireland – Very low child, very low adult
Israel – Very low child, very low adult
Italy – Very low child, very low adult
Kazakhstan – Low child, high adult

Kyrgyzstan – Low child, low adult
Latvia – Low child, high adult
Lithuania – Low child, high adult
Luxembourg – Very low child, very low adult
Malta – Very low child, very low adult
Monaco – Very low child, very low adult
Netherlands – Very low child, very low adult
Norway – Very low child, very low adult
Poland – Low child, low adult
Portugal – Very low child, very low adult
Republic of Moldova – Low child, high adult
Romania – Low child, low adult
Russian Federation – Low child, high adult
San Marino – Very low child, very low adult
Slovakia – Low child, low adult
Slovenia – Very low child, very low adult
Spain – Very low child, very low adult
Sweden – Very low child, very low adult
Switzerland – Very low child, very low adult
Tajikistan – Low child, low adult
The former Yugoslav Republic of Macedonia – Low child, low adult
Turkey – Low child, low adult
Turkmenistan – Low child, low adult
Ukraine – Low child, high adult
United Kingdom – Very low child, very low adult
Uzbekistan – Low child, low adult
Yugoslavia – Low child, low adult

South-East Asia Region (SEAR)

Bangladesh – High child, high adult
Bhutan – High child, high adult
Democratic People's Republic of Korea – High child, high adult
India – High child, high adult
Indonesia – Low child, low adult

Maldives – High child, high adult
Myanmar – High child, high adult
Nepal – High child, high adult
Sri Lanka – Low child, low adult
Thailand – Low child, low adult

Western Pacific Region (WPR)

Australia – Very low child, very low adult
Brunei Darussalam – Very low child, very low adult
Cambodia – Low child, low adult
China – Low child, low adult
Cook Islands – Low child, low adult
Fiji – Low child, low adult
Japan – Very low child, very low adult
Kiribati – Low child, low adult
Lao People's Democratic Republic – Low child, low adult
Malaysia – Low child, low adult
Marshall Islands – Low child, low adult
Micronesia, Federated States of – Low child, low adult
Mongolia – Low child, low adult
Nauru – Low child, low adult
New Zealand – Very low child, very low adult
Niue – Low child, low adult
Palau – Low child, low adult
Papua New Guinea – Low child, low adult
Philippines – Low child, low adult
Republic of Korea – Low child, low adult
Samoa – Low child, low adult
Singapore – Very low child, very low adult
Solomon Islands – Low child, low adult
Tonga – Low child, low adult
Tuvalu – Low child, low adult
Vanuatu – Low child, low adult
Viet Nam – Low child, low adult

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