

Statistical Annex

The tables in this annex present new concepts and measures which lay the empirical basis for assessing health system performance. The main body of the report provides detail on the different goals for health systems and the measures of performance. 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 results will lead to progressively better measurement of health system performance 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.

STATISTICAL ANNEX

EXPLANATORY NOTES

The tables in this technical annex present new concepts and measures which lay the empirical basis for assessing health system performance. The main body of the report provides detail on the different goals for health systems and the measures of performance. Both the text of the report and the annex are based on the WHO framework for health system performance assessment.¹ The work leading to these annex tables was undertaken mostly by the WHO Global Programme on Evidence for Health Policy in collaboration with counterparts from the Regional Offices of WHO. This analytical effort was organized in eleven working groups. Membership of these working groups is listed in the Appendix. The material in these tables will be presented on an annual basis in each *World health report*. Because this is the first year of presentation for the material in Annex Tables 1 and 5-10, 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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Although not provided in any table, extensive use has been made of estimates of income per capita in international dollars, average years of schooling for the population over age 15 years, percentage of the population in absolute poverty and the income Gini coefficient. In all cases, there are multiple and often conflicting sources of information from international agencies on these indicators; in addition, there are many countries for which there are no published estimates. To facilitate the analyses presented here, consistent and complete estimates of these key indicators have been developed through a variety of techniques including factor analysis, multiple imputation methods for missing data, remote sensing data from public use satellites and systematic reviews of household survey data. The details on methods and data sources for the final figures on income per capita, educational attainment, poverty and income distribution are outlined elsewhere.²

ANNEX TABLE 1

Annex Table 1 is designed as a guide for using Annex Tables 5-7, 9 and 10. Each measure of goal attainment and performance - disability-adjusted life expectancy, health equality in terms of child survival, responsiveness level, responsiveness distribution, fairness of financial contribution, performance on level of health, and overall health system performance - is reported as a league table ranked from the highest level of achievement or performance to the lowest level. Annex Table 1 lists countries alphabetically and provides the ranks on each of the measures reported in the other tables. The reader can use Annex Table 1 to identify quickly where a particular country falls in each table.

ANNEX TABLE 2

To assess the performance of health systems in terms of health achievement, it was 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. This review benefited greatly from the work undertaken on child mortality by UNICEF³ and the UN Population Division 1998 demographic assessment.⁴ To aid in demographic, cause of death and burden of disease analysis, 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 Region. These subregions are used in Tables 3 and 4 for presentation of results.

Because of increasing heterogeneity of patterns of adult and child mortality, WHO has developed a system of two-parameter logit life tables for each of the 14 subregions.⁵ This system of model life tables has been used extensively in the development of life tables for each Member State and in projecting life tables to 1999 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.⁶

A major innovation that WHO is introducing this year to demographic and other analyses is the reporting of uncertainty intervals. To capture the uncertainty due to sampling, indirect estimation technique or projection to 1999, 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.⁷ 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.⁸

ANNEX TABLES 3 AND 4

Causes of death for the 14 subregions and the world have been estimated based on data from national vital registration systems that capture 16.7 million deaths annually. In addition, information from sample registration systems, population laboratories and epidemiological analyses of specific conditions have been used to produce better estimates of the cause of death patterns.

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.¹²

Annex Table 4 provides estimates of the burden of disease using disability-adjusted life years (DALYs) as a measure of the health gap in the world in 1999. DALYs along with disability-adjusted life expectancy are summary measures of population health.¹³ DALYs are a type of health gap that measures the difference between a population's health and a normative goal of living in full health. For a review of the development of DALYs and recent advances in the measurement of the burden of disease see Murray & Lopez.¹⁴ DALYs have been estimated based on cause of death information for each Region and regional assessments of the epidemiology of major disabling conditions.

ANNEX TABLE 5

Annex Table 5 provides measurements of health attainment in terms of the average level of population health and the distribution of population health or health equality. Two measures are reported by WHO for the first time at the country level: disability-adjusted life expectancy and the index of equality of child survival.

Achievement of the average level of population health is reported in terms of disability-adjusted life expectancy (DALE). DALE is most easily understood as the expectation of life lived in equivalent full health. As a summary measure of the burden of disability from all causes in a population, DALE has two advantages over other summary measures. The first is that it is relatively easy to explain the concept of a lifespan without disability to a non-technical audience. The second is that it is easy to calculate DALE using the Sullivan method based on age-specific information on the prevalence of non-fatal health outcomes. In the global burden of disease study, DALE was estimated at the regional level, based on the estimates of all disabling sequelae included in the study. Disability weights were measured for each of these sequelae for five standard age groups, sex and eight regions.

National estimates of DALE are based on the life tables for each Member State summarized in Annex Table 2, population representative sample surveys assessing physical and cognitive disability and general health status, and detailed information on the epidemiology of major disabling conditions in each country. Use of household surveys is complicated by the variation in self-assessed health for a given level of observed health as a function of sex, age, socioeconomic status, exposure to health services, and culture.^{15,16} The methodological details for national estimates of DALE and the uncertainty in these estimates are provided elsewhere.¹⁷

Measurement of achievement in the distribution of health is based on the WHO framework for measuring health inequality.¹⁸ The intention is ultimately to measure the distribution of health using the distribution of DALE across individuals. However, the analysis of the distribution of DALE in each country has not yet been completed. For selected countries, the distribution of life expectancy across small areas has been completed and reveals that there is often much greater variation in life expectancy and probably in DALE than expected.¹⁹ In this *World health report*, the analysis of achievement in the distribution of health, presented in Annex Table 5, is the index of equality of child survival. It is based on the distribution of child survival across countries, and takes advantage of the widely available and extensive information on complete birth histories in the demographic and health surveys and small area vital registration data on child mortality.

Statistical methods based on maximum likelihood estimation of the extended beta-binomial distribution have been developed to distinguish between variation across mothers in the number of children who have died due to chance and that due to differences in the underlying risks of death.²⁰ This statistical method has been applied to demographic and health survey data and small area data from more than 60 countries to estimate the

underlying distribution of the risk of child death.²¹ For the purposes of calculating the index of equality of child survival, child mortality distributions have been transformed into distributions of expected survival time under age 5 years. The resulting distributions of survival time have been summarized for the creation of a composite index using the following formula:

$$\text{Equality of child survival} = \left(1 - \frac{\sum_{i=1}^n \sum_{j=1}^n |x_i - x_j|^3}{2n^2 \bar{x}^{0.5}} \right)$$

where x is the survival time of a given child and \bar{x} is the mean survival time across children.

The particular form of this summary measure of inequality has been selected on the basis of a survey of preferences for measuring health inequality of over one thousand respondents.²² Because all measures of goal achievement are intended to be positive measures, the inequality index has been transformed into an index of equality by calculating one minus child survival inequality, as shown above. As the measure of inequality has a maximum value that can be greater than 1, in theory this transformed measure of equality of child survival could be negative. However, across the range of countries, no country has a degree of inequality that would lead to a measurement of equality less than zero. The value of 1 can be interpreted as complete equality and zero can be interpreted as a degree of inequality that is worse than has been seen in any country measured directly or estimated indirectly to date.

For countries without a demographic and health survey or small area data, the index of the distribution of health for child survival has been estimated using indirect techniques and information on important covariates of health inequality such as poverty, educational attainment and the level of child mortality.

ANNEX TABLE 6

The measurement of achievement in the level of responsiveness was based on a survey of nearly two thousand key informants in selected countries.²³ Key informants were asked to evaluate the performance of their health system regarding seven elements of responsiveness: dignity, autonomy and confidentiality (jointly termed respect of persons); and prompt attention, quality of basic amenities, access to social support networks during care and choice of care provider (encompassed by the term client orientation). The elements were scored from 0 to 10. Scores on each component were combined into a composite score for responsiveness based on results of the survey on preferences for health system performance assessment. For other countries, achievement in the level of responsiveness has been estimated using indirect techniques and information on important covariates of responsiveness.²⁴ To enhance the measurement of responsiveness, WHO is actively developing and field testing instruments to measure responsiveness from household respondents. This strategy of using household surveys will be supplemented with facility surveys to observe directly some components of responsiveness.²⁵

The measurement of achievement in the distribution of responsiveness reflected in Annex Table 6 is based on a very simple approach. Respondents in the key informants survey were asked to identify groups who were disadvantaged with regard to responsiveness. The number of times a particular group was identified as disadvantaged was used to calculate a key informant intensity score. Four groups had high key informant intensity scores: poor people, women, old people, and indigenous groups or racially disadvantaged groups (in most instances minorities). The key informant intensity scores for these four groups were multi-

plied by the actual percentage of the population within these vulnerable groups in a country to calculate a simple measure of responsiveness inequality ranging from 0 to 1. The total score was calculated taking into account the fact that some individuals belong to more than one disadvantaged group. Annex Table 6 provides a measure of the equality of responsiveness, scaled such that 1 is complete equality and 0 is complete inequality. For other countries, achievement on the distribution of responsiveness has been estimated using indirect techniques and information on important covariates of the distribution of responsiveness including absolute poverty and access to health care.

ANNEX TABLE 7

The index presented in this table is meant to measure both fairness of financial contribution and financial risk protection;¹ the basic concepts and principles are outlined in detail elsewhere.²⁶ The measurement of achievement in fairness of financial contribution starts with the concept of a household's contribution to the financing of the health system. The health financing contribution of a household is defined as the ratio of total household spending on health to its permanent income above subsistence. Total household spending on health includes payments towards the financing of the health system through income taxes, value-added tax, excise tax, social security contributions, private voluntary insurance, and out-of-pocket payments. Permanent income above subsistence is estimated for a household as total expenditure plus tax payments not included in total expenditure minus expenditure on food.

The distribution of households' financial contribution is calculated using household survey data which includes information on income (individual level) and household expenditure (by goods and services including health). In addition, the calculations require government tax documents (including information on income tax, sales tax, and property tax), national health accounts, national accounts, and government budgets. Such in-depth analysis has been completed for selected countries where such information is available.²⁷ For other countries, the distribution of health financing contribution has been estimated using indirect methods and information on important covariates.²⁸

To allow for comparisons of the fairness of financial contribution, the distribution of health financing contribution across households has been summarized using an index. This index is designed to weight highly households that have spent a very large share of their income beyond subsistence on health. The index therefore reflects inequality in household financial contribution but particularly reflects those households at risk of impoverishment from high levels of health expenditure. The index is of the form:

$$\text{Fairness of financial contribution} = \left(1 - 4 \frac{\sum_{i=1}^n |HFC_i - \overline{HFC}|^3}{0.125n} \right)$$

where HFC is the financial contribution of a given household and \overline{HFC} is the average financial contribution across households.

The index is designed so that complete equality of household contributions is 1 and 0 is below the largest degree of inequality observed across countries.

ANNEX TABLE 8

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 medical 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 financial approach). The current developmental stage of WHO national health accounts leans more towards a measurement of the financing flows.²⁹

Health care finance is divided into public and private flows. For public expenditure, the source most frequently used was Table B on expenditure by function published by the IMF in *Government finance statistics yearbook*. This rests on a body of exacting rules (not always strictly applied by the respondent countries) and deals in most cases only with central government expenditure. IMF and national sources have been used as far as possible to complement the central government data. United Nations *National accounts* (Tables 2.1 and 2.3) and consistent domestic sources have also been used. OECD *Health data* has supplied much of the information for the 29 OECD Member countries. Private expenditure on health has been estimated from United Nations and OECD *National accounts* (Tables 2.5 and 2.1, respectively) and from the ratio of medical care to total consumption as derived from household surveys, that ratio being applied to total private consumption. This concerns mainly out-of-pocket spending. Private insurance premiums, mandated employer health programmes, expenditure by non-profit institutions serving mainly households and, less frequently, private investment have been obtained from national sources. National health accounts prepared by a number of countries have been used to the extent that they were accessible. The plausibility of the estimates has been tested against financial and other analyses conducted in some countries or involving a group of countries.

A first complete table was reviewed by a large number of experts on individual countries and by policy analysts and statisticians of WHO Member States. Their observations led to a reassessment of certain sub-aggregates.

ANNEX TABLE 9

Overall health system attainment is presented in Annex Table 9. This composite measure of achievement in the level of health, the distribution of health, the level of responsiveness, the distribution of responsiveness and fairness of financial contribution has been constructed based on weights derived from the survey of over one thousand public health practitioners from over 100 countries.²² The composite is constructed on a scale from 0 to 100, the maximum value. As explained in Box 2.4, the weights on the five components are 25% level of health, 25% distribution of health, 12.5% level of responsiveness, 12.5% distribution of responsiveness and 25% fairness of financial contribution. The mean value and uncertainty intervals have been estimated for overall health system achievement using the uncertainty intervals for each of the five components.³⁰ In addition, the table provides uncertainty intervals for the ranks as well as the value of overall health system achievement. Rank uncertainty is not only a function of the uncertainty of the measurement for each country but also the uncertainty of the measurement of adjacent countries in the league table.

ANNEX TABLE 10

The index of performance on the level of health reports how efficiently health systems translate expenditure into health as measured by disability-adjusted life expectancy (DALE). Performance on the level of health is defined as the ratio between achieved levels of health and the levels of health that could be achieved by the most efficient health system. More specifically, the numerator of the ratio is the difference between observed DALE in a country and the DALE that would be observed in the absence of a functioning modern health system given the other non-health system determinants that influence health, which are represented by education. The denominator of the ratio is the difference between the maximum possible DALE that could have been achieved for the observed levels of health expenditure per capita in each country and the DALE in the absence of a functioning health system. Econometric methods have been used to estimate the maximum DALE for a given level of health expenditure and other non-health system factors using frontier production analysis. The relationship between life expectancy and human capital at the turn of the century was used to estimate the minimum DALE that would have been expected in each country (at current levels of educational attainment) in the absence of an effective health system. The details of the data, methods and results are provided elsewhere.³¹ Annex Table 10 provides uncertainty intervals for both the absolute value of performance and the rank of each country.

Overall performance of health systems was measured using a similar process relating overall health system achievement to health system expenditure. Maximum attainable composite goal achievement was estimated using a frontier production model relating overall health system achievement to health expenditure and other non-health system determinants represented by educational attainment. Results of this analysis were largely invariant to model specification. More detail is provided in the corresponding technical paper.³²

¹ Murray CJL, Frenk J. A WHO framework for health system performance assessment. *Bulletin of the World Health Organization*, 2000, 78(6) (in press).

² Evans DE, Bendib L, Tandon A, Lauer J, Ebener S, Hutubessy R, Asada Y, Murray CJL. *Estimates of income per capita, literacy, educational attainment, absolute poverty, and income Gini coefficients for The World Health Report 2000*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 7).

³ Hill K, Rohini PO, Mahy M, Jones G. *Trends in child mortality in the developing world: 1960 to 1996*. New York, UNICEF, 1999.

⁴ *World population prospects: the 1998 revision*. New York, United Nations, 1999.

⁵ Murray CJL, Lopez AD, Ahmad O, Salomon J. *WHO system of model life tables*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 8).

⁶ Lopez AD, Salomon J, Ahmad O, Murray CJL. *Life tables for 191 countries: data, methods and results*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 9).

⁷ Salomon J, Murray CJL. *Methods for life expectancy and disability-adjusted life expectancy uncertainty analysis*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 10).

⁸ Salomon J, Gakidou EE, Murray CJL. *Methods for modelling the HIV/AIDS epidemic in sub-Saharan Africa*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 3).

⁹ Murray CJL, Lopez AD, eds. *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, 1996 (Global Burden of Disease and Injury Series, Vol. 1).

¹⁰ Salomon J, Murray CJL. *Compositional models for mortality by age, sex and cause*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 11).

- ¹¹ Lozano R, Murray CJL, Lopez AD, Satoh T. *Miscoding and misclassification of ischaemic heart disease mortality*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 12).
- ¹² Boschi-Pinto C, Murray CJL, Lopez AD, Lozano R. *Cancer survival by site for 14 regions of the world*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 13).
- ¹³ Murray CJL, Salomon J, Mathers C. *A critical review of summary measures of population health*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 2).
- ¹⁴ Murray CJL, Lopez AD. Progress and directions in refining the global burden of disease approach: response to Williams. *Health Economics*, 2000, **9**: 69-82.
- ¹⁵ Moesgaard-Iburg K, Murray CJL, Salomon J. *Expectations for health distorts: self-reported and physician-assessed health status compared to observed health status*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 14).
- ¹⁶ Sadana R, Mathers C, Lopez A, Murray CJL. *Comparative analysis of more than 50 household surveys on health status*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 15).
- ¹⁷ Mathers C, Sadana R, Salomon J, Murray CJL, Lopez AD. *Estimates of DALE for 191 countries: methods and results*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 16).
- ¹⁸ Gakidou EE, Murray CJL, Frenk J. Measuring health inequality: an approach based on the distribution of health expectancy. *Bulletin of the World Health Organization*, 2000, **78**(1): 42-54.
- ¹⁹ Lopez AD, Murray CJL, Ferguson B, Tamaskovic L. *Life expectancy for small areas in selected countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 17).
- ²⁰ Gakidou EE, King G. *Using an extended beta-binomial model to estimate the distribution of child mortality risk*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 18).
- ²¹ Gakidou EE, Murray CJL. *Estimates of the distribution of child survival in 191 countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 19).
- ²² Gakidou EE, Frenk J, Murray CJL. *Measuring preferences on health system performance assessment*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 20).
- ²³ de Silva A, Valentine N. *Measuring responsiveness: results of a key informants survey in 35 countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 21).
- ²⁴ Valentine N, de Silva A, Murray CJL. *Estimates of responsiveness level and distribution for 191 countries: methods and results*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 22).
- ²⁵ Darby C, Valentine N, Murray CJL. *WHO strategy on measuring responsiveness*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 23).
- ²⁶ Murray CJL, Knaul F, Musgrove P, Xu K, Kawabata K. *Defining and measuring fairness of financial contribution*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 24).
- ²⁷ Xu K, Lydon P, Ortiz de Iturbide J, Musgrove P, Knaul F, Kawabata K, Florez CE, John J, Wibulpolprasert S, Waters H, Tansel A. *Analysis of the fairness of financial contribution in 21 countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 25).
- ²⁸ Xu K, Murray CJL, Lydon P, Ortiz de Iturbide J. *Estimates of the fairness of financial contribution for 191 countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 26).
- ²⁹ Poullier JP, Hernández P. *Estimates of national health accounts. Aggregates for 191 countries in 1997*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 27).
- ³⁰ Murray CJL, Frenk J, Tandon A, Lauer J. *Overall health system achievement for 191 countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 28).
- ³¹ Evans D, Tandon A, Murray CJL, Lauer J. *The comparative efficiency of national health systems in producing health: an analysis of 191 countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 29).
- ³² Tandon A, Murray CJL, Lauer J, Evans D. *Measuring overall health system performance for 191 countries*. Geneva, World Health Organization, 2000 (GPE Discussion Paper No. 30).

Annex Table 1 Health system attainment and performance in all Member States, ranked by eight measures, estimates for 1997

Member State	ATTAINMENT OF GOALS						Health expenditure per capita in international dollars	PERFORMANCE	
	Health		Responsiveness		Fairness in financial contribution	Overall goal attainment		On level of health	Overall health system performance
	Level (DALE)	Distribution	Level	Distribution					
Afghanistan	168	182	181 – 182	172 – 173	103 – 104	183	184	150	173
Albania	102	129	136	117	173 – 174	86	149	64	55
Algeria	84	110	90 – 91	50 – 52	74 – 75	99	114	45	81
Andorra	10	25	28	39 – 42	33 – 34	17	23	7	4
Angola	165	178	177	188	103 – 104	181	164	165	181
Antigua and Barbuda	48	58	47 – 48	39 – 42	116 – 120	71	43	123	86
Argentina	39	60	40	3 – 38	89 – 95	49	34	71	75
Armenia	41	63	92	111 – 112	181	81	102	56	104
Australia	2	17	12 – 13	3 – 38	26 – 29	12	17	39	32
Austria	17	8	12 – 13	3 – 38	12 – 15	10	6	15	9
Azerbaijan	65	99	130 – 131	125	116 – 120	103	162	60	109
Bahamas	109	67	18	3 – 38	138 – 139	64	22	137	94
Bahrain	61	72	43 – 44	3 – 38	61	58	48	30	42
Bangladesh	140	125	178	181	51 – 52	131	144	103	88
Barbados	53	36	39	3 – 38	107	38	36	87	46
Belarus	83	46	76 – 79	45 – 47	84 – 86	53	74	116	72
Belgium	16	26	16 – 17	3 – 38	3 – 5	13	15	28	21
Belize	94	95	105 – 107	90	146	104	88	34	69
Benin	157	132	175 – 176	160	140 – 141	143	171	136	97
Bhutan	138	158	163	137 – 138	89 – 95	144	135	73	124
Bolivia	133	118	151 – 153	178	68	117	101	142	126
Bosnia and Herzegovina	56	79	108 – 110	124	82 – 83	79	105	70	90
Botswana	187	146	76 – 79	111 – 112	89 – 95	168	85	188	169
Brazil	111	108	130 – 131	84 – 85	189	125	54	78	125
Brunei Darussalam	59	42	24	3 – 38	89 – 95	37	32	76	40
Bulgaria	60	53	161	2	170	74	96	92	102
Burkina Faso	178	137	174	164	173 – 174	159	173	162	132
Burundi	179	154	171	168	114	161	186	171	143
Cambodia	148	150	137 – 138	137 – 138	183	166	140	157	174
Cameroon	156	160	156	183	182	163	131	172	164
Canada	12	18	7 – 8	3 – 38	17 – 19	7	10	35	30
Cape Verde	118	123	154	134 – 135	89 – 95	126	150	55	113
Central African Republic	175	189	183	191	166	190	178	164	189
Chad	161	175	181 – 182	185	58 – 60	177	175	161	178
Chile	32	1	45	103	168	33	44	23	33
China	81	101	88 – 89	105 – 106	188	132	139	61	144
Colombia	74	44	82	93 – 94	1	41	49	51	22
Comoros	146	143	157 – 160	153 – 155	79 – 81	137	165	141	118
Congo	150	142	137 – 138	151	162	155	122	167	166
Cook Islands	67	92	65	89	45 – 47	88	61	95	107
Costa Rica	40	45	68	86 – 87	64 – 65	45	50	25	36
Côte d'Ivoire	155	181	157 – 160	153 – 155	116 – 120	157	153	133	137
Croatia	38	33	76 – 79	83	108 – 111	36	56	57	43
Cuba	33	41	115 – 117	98 – 100	23 – 25	40	118	36	39
Cyprus	25	31	11	44	131 – 133	28	39	22	24
Czech Republic	35	19	47 – 48	45 – 47	71 – 72	30	40	81	48
Democratic People's Republic of Korea	137	145	139	130 – 131	179	149	172	153	167
Democratic Republic of the Congo	174	174	142	169 – 170	169	179	188	185	188
Denmark	28	21	4	3 – 38	3 – 5	20	8	65	34
Djibouti	166	169	170	140	3 – 5	170	163	163	157
Dominica	26	35	84 – 86	77 – 78	99 – 100	42	70	59	35
Dominican Republic	79	97	95	72	154	66	92	42	51
Ecuador	93	133	76 – 79	182	88	107	97	96	111
Egypt	115	141	102	59	125 – 127	110	115	43	63
El Salvador	87	115	128	128 – 129	176	122	83	37	115

Member State	ATTAINMENT OF GOALS						Health expenditure per capita in international dollars	PERFORMANCE	
	Health		Responsiveness		Fairness in financial contribution	Overall goal attainment		On level of health	Overall health system performance
	Level (DALE)	Distribution	Level	Distribution					
Equatorial Guinea	152	151	143	118	134	152	129	174	171
Eritrea	169	167	186	169 – 170	108 – 111	176	187	148	158
Estonia	69	43	66	69	145	48	60	115	77
Ethiopia	182	176	179	179 – 180	138 – 139	186	189	169	180
Fiji	106	71	57 – 58	73 – 74	54 – 55	78	87	124	96
Finland	20	27	19	3 – 38	8 – 11	22	18	44	31
France	3	12	16 – 17	3 – 38	26 – 29	6	4	4	1
Gabon	144	136	118 – 119	101 – 102	84 – 86	141	95	143	139
Gambia	143	155	165 – 167	157	149	153	158	109	146
Georgia	44	61	165 – 167	141	105 – 106	76	125	84	114
Germany	22	20	5	3 – 38	6 – 7	14	3	41	25
Ghana	149	149	132 – 135	146	74 – 75	139	166	158	135
Greece	7	6	36	3 – 38	41	23	30	11	14
Grenada	49	82	63 – 64	84 – 85	147	68	67	49	85
Guatemala	129	106	115 – 117	159	157	113	130	99	78
Guinea	167	166	168 – 169	130 – 131	76 – 78	172	159	160	161
Guinea-Bissau	170	177	184	174	122 – 123	180	156	156	176
Guyana	98	126	114	105 – 106	45 – 47	116	109	104	128
Haiti	153	152	157 – 160	172 – 173	163	145	155	139	138
Honduras	92	119	129	163	178	129	100	48	131
Hungary	62	40	62	58	105 – 106	43	59	105	66
Iceland	19	24	15	3 – 38	12 – 15	16	14	27	15
India	134	153	108 – 110	127	42 – 44	121	133	118	112
Indonesia	103	156	63 – 64	70	73	106	154	90	92
Iran, Islamic Republic of	96	113	100	93 – 94	112 – 113	114	94	58	93
Iraq	126	130	103 – 104	114	56 – 57	124	117	75	103
Ireland	27	13	25	3 – 38	6 – 7	25	25	32	19
Israel	23	7	20 – 21	3 – 38	38 – 40	24	19	40	28
Italy	6	14	22 – 23	3 – 38	45 – 47	11	11	3	2
Jamaica	36	87	105 – 107	73 – 74	115	69	89	8	53
Japan	1	3	6	3 – 38	8 – 11	1	13	9	10
Jordan	101	83	84 – 86	53 – 57	49 – 50	84	98	100	83
Kazakhstan	122	52	90 – 91	60 – 61	167	62	112	135	64
Kenya	162	135	144	142	79 – 81	142	152	178	140
Kiribati	125	121	120 – 121	122	16	123	103	144	142
Kuwait	68	54	29	3 – 38	30 – 32	46	41	68	45
Kyrgyzstan	123	122	124	96	171	135	146	134	151
Lao People's Democratic Republic	147	147	145 – 147	143 – 144	159	154	157	155	165
Latvia	82	56	69 – 72	53 – 57	164 – 165	67	77	121	105
Lebanon	95	88	55	79 – 81	101 – 102	93	46	97	91
Lesotho	171	164	145 – 147	148 – 149	89 – 95	173	123	186	183
Liberia	181	191	175 – 176	176	84 – 86	187	181	176	186
Libyan Arab Jamahiriya	107	102	57 – 58	76	12 – 15	97	84	94	87
Lithuania	63	48	80 – 81	45 – 47	131 – 133	52	71	93	73
Luxembourg	18	22	3	3 – 38	2	5	5	31	16
Madagascar	172	168	168 – 169	179 – 180	116 – 120	167	190	173	159
Malawi	189	187	162	152	89 – 95	182	161	187	185
Malaysia	89	49	31	62	122 – 123	55	93	86	49
Maldives	130	134	98 – 99	101 – 102	51 – 52	128	76	147	147
Mali	183	180	187 – 188	187	150 – 151	178	179	170	163
Malta	21	38	43 – 44	3 – 38	42 – 44	31	37	2	5
Marshall Islands	121	120	98 – 99	134 – 135	20 – 22	119	80	140	141
Mauritania	158	163	165 – 167	123	153	169	141	151	162
Mauritius	78	77	56	3 – 38	124	90	69	113	84
Mexico	55	65	53 – 54	108 – 109	144	51	55	63	61

Annex Table 1 Health system attainment and performance in all Member States, ranked by eight measures, estimates for 1997

Member State	ATTAINMENT OF GOALS						Health expenditure per capita in international dollars	PERFORMANCE	
	Health		Responsiveness		Fairness in financial contribution	Overall goal attainment		On level of health	Overall health system performance
	Level (DALE)	Distribution	Level	Distribution					
Micronesia, Federated States of	104	112	112	128 – 129	23 – 25	111	81	110	123
Monaco	9	30	14	3 – 38	42 – 44	18	12	12	13
Mongolia	131	148	46	91	97	136	145	138	145
Morocco	110	111	151 – 153	67 – 68	125 – 127	94	99	17	29
Mozambique	180	190	189 – 190	175	38 – 40	185	160	168	184
Myanmar	139	162	151 – 153	158	190	175	136	129	190
Namibia	177	173	113	156	125 – 127	165	66	189	168
Nauru	136	51	42	39 – 42	17 – 19	75	42	166	98
Nepal	142	161	185	166 – 167	186	160	170	98	150
Netherlands	13	15	9	3 – 38	20 – 22	8	9	19	17
New Zealand	31	16	22 – 23	3 – 38	23 – 25	26	20	80	41
Nicaragua	117	96	140	139	164 – 165	101	104	74	71
Niger	190	184	189 – 190	184	160 – 161	188	185	177	170
Nigeria	163	188	149	177	180	184	176	175	187
Niue	85	100	126	145	35 – 36	102	127	108	121
Norway	15	4	7 – 8	3 – 38	8 – 11	3	16	18	11
Oman	72	59	83	49	56 – 57	59	62	1	8
Pakistan	124	183	120 – 121	115	62 – 63	133	142	85	122
Palau	112	66	52	39 – 42	30 – 32	63	47	125	82
Panama	47	93	59	88	76 – 78	70	53	67	95
Papua New Guinea	145	157	150	119	71 – 72	150	137	146	148
Paraguay	71	57	97	133	177	73	91	52	57
Peru	105	103	172	161	184	115	78	119	129
Philippines	113	50	49	48	128 – 130	54	124	126	60
Poland	45	5	50	65	150 – 151	34	58	89	50
Portugal	29	34	38	53 – 57	58 – 60	32	28	13	12
Qatar	66	55	26 – 27	3 – 38	70	47	27	53	44
Republic of Korea	51	37	35	43	53	35	31	107	58
Republic of Moldova	88	64	123	107	148	91	108	106	101
Romania	80	78	73 – 74	67 – 68	79 – 81	72	107	111	99
Russian Federation	91	69	69 – 72	86 – 87	185	100	75	127	130
Rwanda	185	185	145 – 147	143 – 144	58 – 60	171	177	181	172
Saint Kitts and Nevis	86	91	53 – 54	3 – 38	136 – 137	98	51	122	100
Saint Lucia	54	86	84 – 86	82	66 – 67	87	86	54	68
Saint Vincent and the Grenadines	43	89	103 – 104	98 – 100	99 – 100	92	90	38	74
Samoa	97	81	80 – 81	98 – 100	33 – 34	82	121	131	119
San Marino	11	9	32	3 – 38	30 – 32	21	21	5	3
Sao Tome and Principe	132	139	148	126	66 – 67	138	167	117	133
Saudi Arabia	58	70	67	50 – 52	37	61	63	10	26
Senegal	151	105	118 – 119	104	87	118	143	132	59
Seychelles	108	73	75	75	64 – 65	83	52	83	56
Sierra Leone	191	186	173	186	191	191	183	183	191
Singapore	30	29	20 – 21	3 – 38	101 – 102	27	38	14	6
Slovakia	42	39	60	63 – 64	96	39	45	88	62
Slovenia	34	23	37	53 – 57	82 – 83	29	29	62	38
Solomon Islands	127	117	132 – 135	120	17 – 19	108	134	20	80
Somalia	173	179	191	190	136 – 137	189	191	154	179
South Africa	160	128	73 – 74	147	142 – 143	151	57	182	175
Spain	5	11	34	3 – 38	26 – 29	19	24	6	7
Sri Lanka	76	80	101	77 – 78	76 – 78	80	138	66	76
Sudan	154	159	164	148 – 149	160 – 161	148	169	149	134
Suriname	77	94	87	79 – 81	172	105	72	77	110
Swaziland	164	140	108 – 110	110	156	164	116	184	177
Sweden	4	28	10	3 – 38	12 – 15	4	7	21	23
Switzerland	8	10	2	3 – 38	38 – 40	2	2	26	20

Member State	ATTAINMENT OF GOALS						Health expenditure per capita in international dollars	PERFORMANCE	
	Health		Responsiveness		Fairness in financial contribution	Overall goal attainment		On level of health	Overall health system performance
	Level (DALE)	Distribution	Level	Distribution					
Syrian Arab Republic	114	107	69 – 72	79 – 81	142 – 143	112	119	91	108
Tajikistan	120	124	125	136	112 – 113	127	126	145	154
Thailand	99	74	33	50 – 52	128 – 130	57	64	102	47
The former Yugoslav Republic of Macedonia	64	85	111	95	116 – 120	89	106	69	89
Togo	159	170	155	162	152	156	180	159	152
Tonga	75	84	61	97	108 – 111	85	73	114	116
Trinidad and Tobago	57	75	141	108 – 109	69	56	65	79	67
Tunisia	90	114	94	60 – 61	108 – 111	77	79	46	52
Turkey	73	109	93	66	49 – 50	96	82	33	70
Turkmenistan	128	131	88 – 89	113	121	130	128	152	153
Tuvalu	119	116	132 – 135	153 – 155	26 – 29	120	151	128	136
Uganda	186	138	187 – 188	165	128 – 130	162	168	179	149
Ukraine	70	47	96	63 – 64	140 – 141	60	111	101	79
United Arab Emirates	50	62	30	1	20 – 22	44	35	16	27
United Kingdom	14	2	26 – 27	3 – 38	8 – 11	9	26	24	18
United Republic of Tanzania	176	172	157 – 160	150	48	158	174	180	156
United States of America	24	32	1	3 – 38	54 – 55	15	1	72	37
Uruguay	37	68	41	53 – 57	35 – 36	50	33	50	65
Uzbekistan	100	144	105 – 107	71	131 – 133	109	120	112	117
Vanuatu	135	127	127	132	62 – 63	134	132	120	127
Venezuela, Bolivarian Republic of	52	76	69 – 72	92	98	65	68	29	54
Viet Nam	116	104	51	121	187	140	147	130	160
Yemen	141	165	180	189	135	146	182	82	120
Yugoslavia	46	90	115 – 117	116	158	95	113	47	106
Zambia	188	171	132 – 135	171	155	174	148	190	182
Zimbabwe	184	98	122	166 – 167	175	147	110	191	155

Source: Annex Tables 5–10.

Annex Table 2 Basic indicators for all Member States

Member State	POPULATION ESTIMATES							
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate	
			1990	1999	1990	1999	1990	1999
1 Afghanistan	21 923	4.5	89	86	5.0	4.9	6.9	6.7
2 Albania	3 113	-0.6	62	56	7.8	9.0	2.9	2.4
3 Algeria	30 774	2.4	84	69	5.5	5.7	4.6	3.7
4 Andorra	75	4.3	48	47	19.0	21.7	1.5	1.3
5 Angola	12 479	3.4	99	102	4.8	4.6	7.2	6.6
6 Antigua and Barbuda	67	0.6	63	58	9.1	9.7	2.0	1.7
7 Argentina	36 577	1.3	65	60	12.9	13.3	2.9	2.6
8 Armenia	3 525	-0.1	56	51	10.0	12.9	2.4	1.7
9 Australia	18 705	1.1	49	49	15.5	16.1	1.9	1.8
10 Austria	8 177	0.7	48	47	20.1	19.9	1.5	1.4
11 Azerbaijan	7 697	0.8	61	57	8.0	10.6	2.7	2.0
12 Bahamas	301	1.9	58	56	6.6	7.7	2.6	2.6
13 Bahrain	606	2.4	51	49	3.8	4.7	3.8	2.7
14 Bangladesh	126 947	1.7	90	64	4.9	5.1	4.3	3.0
15 Barbados	269	0.5	57	48	15.3	13.8	1.7	1.5
16 Belarus	10 274	0.0	51	49	16.5	19.1	1.8	1.4
17 Belgium	10 152	0.2	50	51	20.7	21.6	1.6	1.6
18 Belize	235	2.6	93	80	6.2	6.0	4.4	3.5
19 Benin	5 937	2.7	106	96	4.8	4.3	6.6	5.7
20 Bhutan	2 064	2.2	85	88	6.0	6.2	5.8	5.4
21 Bolivia	8 142	2.4	81	78	5.8	6.1	4.9	4.2
22 Bosnia and Herzegovina	3 839	-1.3	43	41	10.4	14.7	1.7	1.4
23 Botswana	1 597	2.5	93	81	3.6	4.0	5.1	4.2
24 Brazil	167 988	1.4	64	53	6.7	7.6	2.7	2.2
25 Brunei Darussalam	322	2.5	59	56	4.1	5.0	3.2	2.7
26 Bulgaria	8 279	-0.6	50	48	19.1	21.2	1.7	1.2
27 Burkina Faso	11 616	2.8	101	100	4.4	4.2	7.3	6.4
28 Burundi	6 565	2.1	95	97	4.8	4.0	6.8	6.1
29 Cambodia	10 945	2.6	73	80	4.8	4.8	5.0	4.5
30 Cameroon	14 693	2.8	94	90	5.6	5.5	5.9	5.2
31 Canada	30 857	1.2	47	47	15.5	16.7	1.7	1.6
32 Cape Verde	418	2.3	93	80	7.0	6.6	4.3	3.5
33 Central African Republic	3 550	2.1	90	87	6.2	5.9	5.5	4.8
34 Chad	7 458	2.9	96	96	5.6	5.3	6.6	5.9
35 Chile	15 019	1.5	57	56	9.0	10.0	2.6	2.4
36 China	1 273 640	1.0	50	47	8.6	10.0	2.2	1.8
37 Colombia	41 564	1.9	68	61	6.3	6.8	3.1	2.7
38 Comoros	676	2.8	98	83	4.1	4.3	6.0	4.7
39 Congo	2 864	2.9	96	98	5.3	4.9	6.3	5.9
40 Cook Islands	19	0.6	70	66	5.6	6.6	4.0	3.4
41 Costa Rica	3 933	2.9	69	61	6.4	7.3	3.2	2.8
42 Côte d'Ivoire	14 526	2.5	101	88	4.4	4.6	6.3	4.9
43 Croatia	4 477	-0.1	47	47	17.1	20.5	1.7	1.6
44 Cuba	11 160	0.5	46	45	11.7	13.4	1.7	1.6
45 Cyprus	778	1.5	58	54	14.8	15.6	2.4	2.0
46 Czech Republic	10 262	0.0	51	44	17.7	18.0	1.8	1.2
47 Democratic People's Republic of Korea	23 702	1.6	45	49	6.7	7.9	2.2	2.0
48 Democratic Republic of the Congo	50 335	3.4	100	104	4.6	4.4	6.7	6.3
49 Denmark	5 282	0.3	48	49	20.4	20.0	1.6	1.7
50 Djibouti	629	2.2	85	81	4.8	5.4	6.0	5.2
51 Dominica	71	-0.1	63	58	9.1	9.7	2.2	1.9
52 Dominican Republic	8 364	1.8	68	61	5.6	6.6	3.3	2.7
53 Ecuador	12 411	2.1	76	64	6.1	6.8	3.8	3.0
54 Egypt	67 226	2.0	78	67	6.0	6.3	4.2	3.2
55 El Salvador	6 154	2.1	82	69	6.5	7.1	3.7	3.1

	PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)			
	Under age 5 years				Between ages 15 and 59 years				Males		Females	
	Males		Females		Males		Females		Males		Females	
	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval
1	279	243 – 317	249	214 – 286	348	315 – 379	326	298 – 350	45.3	42.7 – 47.8	47.2	44.5 – 49.9
2	61	51 – 73	49	40 – 60	175	159 – 191	84	74 – 94	65.1	63.7 – 66.4	72.7	71.3 – 73.9
3	50	40 – 63	48	38 – 58	139	122 – 157	118	103 – 134	68.2	66.7 – 69.7	68.8	67.3 – 70.2
4	5	3 – 8	5	3 – 8	129	108 – 154	54	43 – 68	75.4	73.9 – 76.6	82.2	81.0 – 83.3
5	209	190 – 238	192	173 – 216	427	395 – 457	375	347 – 405	46.3	44.0 – 48.4	49.1	46.9 – 51.1
6	22	19 – 24	20	18 – 23	173	161 – 185	100	96 – 104	71.4	70.3 – 72.5	76.8	76.0 – 77.8
7	23	20 – 27	20	17 – 22	178	173 – 183	92	88 – 96	70.6	70.2 – 71.1	77.8	77.3 – 78.3
8	19	13 – 26	16	11 – 23	166	147 – 187	81	67 – 97	72.3	71.0 – 73.4	77.1	75.7 – 78.4
9	7	6 – 7	5	5 – 6	94	91 – 98	53	49 – 58	76.8	76.5 – 77.1	82.2	81.6 – 82.8
10	6	5 – 7	6	5 – 7	131	120 – 143	66	62 – 69	74.4	73.7 – 75.0	80.4	80.0 – 80.7
11	32	26 – 40	25	20 – 31	217	198 – 238	101	89 – 115	67.8	66.4 – 69.0	75.3	74.1 – 76.4
12	24	20 – 28	21	18 – 25	239	223 – 256	129	118 – 141	67.0	66.0 – 67.9	73.6	72.7 – 74.5
13	23	19 – 25	20	18 – 23	137	125 – 147	99	92 – 107	70.6	69.9 – 71.5	73.6	72.9 – 74.3
14	113	101 – 129	116	103 – 133	300	283 – 317	259	242 – 278	57.5	56.0 – 58.7	58.1	56.3 – 59.5
15	11	11 – 12	10	7 – 14	169	142 – 200	91	77 – 104	72.7	70.4 – 75.2	77.8	76.3 – 79.5
16	16	12 – 21	11	8 – 14	375	341 – 412	126	110 – 142	62.4	60.7 – 63.9	74.6	73.5 – 75.5
17	9	8 – 9	6	5 – 7	121	117 – 126	62	53 – 71	74.5	74.1 – 74.9	81.3	80.9 – 81.7
18	30	26 – 35	25	21 – 30	200	186 – 214	119	108 – 132	69.6	68.6 – 70.6	75.0	73.8 – 75.9
19	157	141 – 174	148	134 – 165	381	350 – 409	338	310 – 365	51.3	49.5 – 53.4	53.3	51.3 – 55.3
20	113	101 – 128	114	102 – 130	258	243 – 269	214	202 – 228	59.6	58.5 – 60.8	60.8	59.3 – 62.1
21	91	81 – 101	81	75 – 88	281	264 – 297	245	231 – 258	60.7	59.6 – 62.0	62.2	61.3 – 63.2
22	22	19 – 25	17	15 – 20	158	146 – 170	99	91 – 109	71.2	70.3 – 72.0	75.0	74.1 – 75.8
23	99	92 – 106	97	92 – 102	786	767 – 804	740	718 – 761	39.5	38.5 – 40.5	39.3	38.2 – 40.4
24	47	38 – 57	42	33 – 51	295	272 – 318	157	142 – 174	63.7	62.1 – 65.1	71.7	70.3 – 73.0
25	12	9 – 14	9	7 – 11	153	139 – 167	94	84 – 105	74.5	73.7 – 75.2	79.8	79.1 – 80.4
26	21	19 – 23	16	15 – 18	242	233 – 253	98	94 – 102	67.4	66.9 – 68.0	74.7	74.4 – 75.1
27	182	159 – 206	171	151 – 197	532	493 – 573	486	448 – 528	44.1	41.8 – 46.4	45.7	43.2 – 48.1
28	170	148 – 197	166	144 – 193	582	509 – 653	546	473 – 620	43.2	39.8 – 46.6	43.8	40.0 – 47.5
29	138	127 – 149	129	113 – 148	394	377 – 414	323	306 – 343	52.2	50.9 – 53.3	55.4	53.6 – 56.9
30	123	109 – 136	120	106 – 132	477	439 – 520	419	384 – 462	49.9	47.8 – 52.1	52.0	49.7 – 54.2
31	6	5 – 7	5	4 – 6	104	98 – 109	59	55 – 64	76.2	75.8 – 76.5	81.9	81.5 – 82.3
32	55	50 – 60	50	46 – 54	228	205 – 248	126	110 – 142	64.2	62.9 – 65.8	71.8	70.2 – 73.6
33	153	138 – 166	143	129 – 155	608	572 – 645	555	520 – 593	43.3	41.4 – 45.2	44.9	42.8 – 46.9
34	184	159 – 213	165	143 – 192	439	406 – 472	386	356 – 416	47.3	44.8 – 49.6	50.1	47.6 – 52.4
35	11	9 – 13	8	7 – 10	132	119 – 146	66	61 – 70	73.4	71.9 – 74.9	79.9	79.2 – 80.7
36	35	29 – 43	40	33 – 48	170	158 – 182	125	115 – 135	68.1	67.3 – 68.9	71.3	70.4 – 72.2
37	31	28 – 34	26	24 – 28	221	207 – 235	128	120 – 136	68.1	67.2 – 69.0	74.1	73.3 – 74.9
38	113	100 – 124	92	83 – 103	323	293 – 352	295	269 – 321	56.0	54.3 – 57.9	58.1	56.5 – 59.8
39	112	99 – 127	102	89 – 119	415	378 – 453	378	342 – 413	53.6	51.5 – 55.8	55.2	53.0 – 57.4
40	29	27 – 32	24	23 – 26	154	142 – 166	101	94 – 107	69.2	68.3 – 70.2	73.3	72.4 – 74.2
41	13	9 – 17	14	11 – 19	121	106 – 137	79	68 – 90	74.2	73.1 – 75.1	78.9	77.8 – 79.8
42	145	132 – 161	124	114 – 139	524	495 – 553	497	467 – 525	47.2	45.5 – 49.0	48.3	46.7 – 50.2
43	9	7 – 11	7	5 – 8	194	180 – 209	76	67 – 84	69.3	68.7 – 69.9	77.3	76.8 – 77.8
44	10	9 – 11	8	6 – 10	143	132 – 155	99	86 – 114	73.5	72.4 – 74.7	77.4	76.2 – 78.5
45	9	6 – 12	8	6 – 11	102	89 – 117	57	48 – 67	74.8	73.8 – 75.7	78.8	77.9 – 79.5
46	6	5 – 8	5	4 – 6	173	160 – 188	73	65 – 82	71.3	70.7 – 71.9	78.2	77.6 – 78.7
47	100	91 – 109	99	91 – 109	305	291 – 319	229	214 – 244	58.0	57.0 – 58.9	60.6	59.5 – 61.8
48	170	155 – 185	153	141 – 167	515	483 – 543	482	449 – 509	45.1	43.5 – 46.7	46.5	45.0 – 48.3
49	7	5 – 9	6	5 – 6	138	125 – 152	89	82 – 97	72.9	72.2 – 73.7	78.1	77.6 – 78.7
50	169	154 – 202	162	147 – 190	556	513 – 596	524	483 – 563	45.0	42.5 – 47.0	45.0	42.6 – 47.2
51	9	8 – 10	7	6 – 8	123	115 – 131	55	54 – 57	74.0	73.0 – 75.1	80.2	79.4 – 81.2
52	52	48 – 58	46	42 – 51	177	164 – 189	147	141 – 150	71.4	70.2 – 72.6	72.8	72.5 – 73.3
53	40	36 – 44	33	30 – 36	200	186 – 214	144	134 – 153	67.4	66.4 – 68.3	70.3	69.5 – 71.1
54	74	66 – 84	72	63 – 81	187	176 – 202	148	133 – 164	64.2	63.1 – 65.1	65.8	64.4 – 67.2
55	42	38 – 46	35	31 – 40	238	224 – 252	144	133 – 154	66.9	65.9 – 67.8	73.0	72.0 – 73.9

Annex Table 2 Basic indicators for all Member States

Member State	POPULATION ESTIMATES							
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate	
			1990	1999	1990	1999	1990	1999
56 Equatorial Guinea	442	2.6	87	90	6.4	6.1	5.9	5.5
57 Eritrea	3 719	2.8	88	89	4.4	4.6	6.2	5.6
58 Estonia	1 412	-1.2	51	46	17.2	19.4	1.9	1.3
59 Ethiopia	61 095	2.7	94	96	4.7	4.5	6.8	6.2
60 Fiji	806	1.2	70	57	5.3	7.1	3.1	2.7
61 Finland	5 165	0.4	49	49	18.5	19.7	1.7	1.7
62 France	58 886	0.4	52	53	19.1	20.5	1.8	1.7
63 Gabon	1 197	2.8	76	84	9.2	8.7	5.1	5.3
64 Gambia	1 268	3.6	82	77	4.8	5.1	5.9	5.1
65 Georgia	5 006	-1.0	51	53	15.0	18.1	2.2	1.9
66 Germany	82 178	0.4	45	47	20.4	22.7	1.4	1.3
67 Ghana	19 678	3.0	93	87	4.6	4.9	6.0	5.0
68 Greece	10 626	0.4	49	49	20.0	23.6	1.5	1.3
69 Grenada	93	0.3	63	58	9.1	9.7	4.1	3.6
70 Guatemala	11 090	2.7	97	90	5.1	5.3	5.6	4.8
71 Guinea	7 360	2.8	97	89	4.3	4.4	6.3	5.4
72 Guinea-Bissau	1 187	2.2	85	88	6.6	6.4	6.0	5.6
73 Guyana	855	0.8	60	53	5.9	6.2	2.6	2.3
74 Haiti	8 087	1.8	93	81	5.8	5.5	5.4	4.3
75 Honduras	6 316	2.9	93	83	4.5	5.1	5.1	4.1
76 Hungary	10 076	-0.3	51	47	19.0	19.7	1.8	1.3
77 Iceland	279	1.0	55	54	14.6	14.9	2.2	2.1
78 India	998 056	1.8	69	63	6.9	7.5	3.8	3.0
79 Indonesia	209 255	1.5	65	55	6.3	7.3	3.1	2.5
80 Iran, Islamic Republic of	66 796	1.9	96	72	5.7	6.3	4.9	2.7
81 Iraq	22 450	2.4	89	81	4.5	4.8	5.9	5.1
82 Ireland	3 705	0.6	63	49	15.1	15.2	2.1	1.9
83 Israel	6 101	3.0	68	61	12.4	13.1	3.0	2.6
84 Italy	57 343	0.1	45	48	21.1	23.9	1.3	1.2
85 Jamaica	2 560	0.9	74	63	10.0	9.3	2.8	2.4
86 Japan	126 505	0.3	44	46	17.4	22.6	1.6	1.4
87 Jordan	6 482	3.8	100	82	4.8	4.5	5.8	4.7
88 Kazakhstan	16 269	-0.3	60	54	9.6	11.2	2.8	2.2
89 Kenya	29 549	2.6	109	87	4.5	4.4	6.1	4.2
90 Kiribati	82	1.4	76	72	4.6	5.1	4.9	4.2
91 Kuwait	1 897	-1.3	61	58	2.1	3.4	3.6	2.8
92 Kyrgyzstan	4 669	0.7	74	71	8.3	8.9	3.8	3.1
93 Lao People's Democratic Republic	5 297	2.7	87	90	5.0	5.2	6.5	5.6
94 Latvia	2 389	-1.3	50	48	17.7	20.0	1.9	1.3
95 Lebanon	3 236	2.7	67	64	8.1	8.3	3.3	2.6
96 Lesotho	2 108	2.3	83	79	6.2	6.4	5.1	4.7
97 Liberia	2 930	1.4	98	87	4.7	4.5	6.8	6.2
98 Libyan Arab Jamahiriya	5 471	2.4	91	71	4.1	5.1	4.9	3.7
99 Lithuania	3 682	-0.2	50	49	16.1	18.3	1.9	1.4
100 Luxembourg	426	1.3	44	48	18.9	19.4	1.6	1.7
101 Madagascar	15 497	3.2	82	90	5.1	4.4	6.2	5.3
102 Malawi	10 640	1.5	100	99	4.3	4.2	7.3	6.6
103 Malaysia	21 830	2.3	67	63	5.8	6.5	3.8	3.1
104 Maldives	278	2.9	99	89	5.4	5.4	6.4	5.2
105 Mali	10 960	2.4	101	101	4.8	5.5	7.1	6.4
106 Malta	386	1.0	51	47	14.7	16.3	2.0	1.9
107 Marshall Islands	62	3.4	76	72	4.6	5.1	6.1	5.4
108 Mauritania	2 598	2.8	93	88	4.9	4.9	6.0	5.4
109 Mauritius	1 150	0.9	54	47	8.3	8.9	2.2	1.9
110 Mexico	97 365	1.8	74	62	5.9	6.8	3.4	2.7

	PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)			
	Under age 5 years				Between ages 15 and 59 years				Males		Females	
	Males		Females		Males		Females					
	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval
56	146	129 – 164	131	115 – 145	384	350 – 413	309	281 – 334	51.4	49.4 – 53.5	55.4	53.6 – 57.4
57	144	133 – 159	134	121 – 146	520	481 – 556	514	477 – 548	46.6	44.8 – 48.5	46.5	44.7 – 48.3
58	12	8 – 15	11	7 – 16	341	308 – 377	120	100 – 143	64.4	62.8 – 65.9	75.3	73.9 – 76.5
59	188	171 – 207	177	162 – 194	596	556 – 641	545	505 – 591	41.4	39.3 – 43.5	43.1	40.8 – 45.3
60	25	14 – 42	19	11 – 31	247	194 – 307	141	106 – 186	64.0	61.0 – 66.4	69.2	66.6 – 71.3
61	5	4 – 5	4	4 – 5	148	145 – 150	59	55 – 64	73.4	72.9 – 73.8	80.7	80.1 – 81.4
62	7	6 – 8	5	4 – 6	146	141 – 151	59	56 – 62	74.9	74.4 – 75.3	83.6	83.1 – 84.1
63	94	81 – 109	85	73 – 99	397	366 – 431	336	306 – 368	54.6	52.5 – 56.6	57.5	55.4 – 59.6
64	103	94 – 114	93	85 – 102	351	321 – 378	295	270 – 319	56.0	54.3 – 57.8	58.9	57.4 – 60.6
65	20	14 – 27	16	11 – 22	209	184 – 237	85	70 – 102	69.4	67.8 – 70.9	76.7	75.3 – 77.9
66	6	6 – 7	5	5 – 5	136	128 – 144	67	64 – 70	73.7	73.3 – 74.2	80.1	79.9 – 80.4
67	118	102 – 135	109	95 – 126	376	339 – 413	343	309 – 378	54.2	51.8 – 56.4	55.6	53.2 – 57.7
68	8	7 – 9	7	6 – 7	117	113 – 120	50	47 – 52	75.5	75.3 – 75.7	80.5	80.1 – 80.9
69	27	24 – 30	22	20 – 25	206	192 – 220	109	105 – 113	69.1	68.1 – 70.2	75.9	75.1 – 76.8
70	58	53 – 63	44	40 – 48	326	307 – 343	223	210 – 237	60.2	59.2 – 61.1	64.7	63.9 – 65.6
71	217	201 – 230	193	180 – 208	413	379 – 443	369	338 – 395	46.2	44.4 – 48.1	48.9	47.2 – 50.8
72	207	190 – 236	196	175 – 215	457	423 – 489	411	380 – 440	45.0	42.7 – 47.0	47.0	45.0 – 49.0
73	75	66 – 84	58	51 – 65	242	227 – 256	153	142 – 164	65.6	64.3 – 66.9	72.2	71.1 – 73.3
74	120	110 – 135	111	101 – 126	481	459 – 503	360	341 – 382	50.6	49.1 – 51.7	55.1	53.4 – 56.3
75	42	38 – 46	37	33 – 42	219	205 – 233	168	157 – 180	68.2	67.2 – 69.2	70.8	69.8 – 71.8
76	12	9 – 15	10	9 – 12	292	263 – 325	127	123 – 131	66.3	64.9 – 67.6	75.1	74.5 – 75.7
77	5	4 – 7	3	2 – 4	81	71 – 91	54	45 – 61	76.1	74.8 – 77.4	80.4	78.9 – 81.9
78	97	84 – 110	104	91 – 118	275	261 – 289	217	205 – 229	59.6	58.4 – 60.6	61.2	59.9 – 62.3
79	63	53 – 70	53	49 – 58	240	224 – 257	197	183 – 210	66.6	65.3 – 67.9	69.0	67.9 – 70.1
80	48	41 – 55	42	36 – 48	160	143 – 178	129	120 – 139	66.8	65.5 – 68.0	67.9	67.1 – 68.6
81	67	60 – 79	54	50 – 61	243	220 – 259	208	190 – 220	61.6	60.4 – 62.8	62.8	62.1 – 63.7
82	7	5 – 9	6	4 – 8	116	101 – 133	67	56 – 78	73.3	72.4 – 74.2	78.3	77.4 – 79.0
83	8	7 – 8	7	7 – 8	101	97 – 105	59	52 – 67	76.2	75.6 – 76.8	79.9	79.5 – 80.4
84	6	6 – 7	5	5 – 6	109	102 – 116	51	46 – 55	75.4	75.1 – 75.6	82.1	81.9 – 82.3
85	29	25 – 32	25	21 – 30	135	123 – 146	99	90 – 110	75.2	74.2 – 76.4	77.4	76.4 – 78.4
86	5	5 – 6	5	4 – 5	95	92 – 99	48	46 – 49	77.6	77.3 – 77.8	84.3	83.9 – 84.7
87	29	24 – 36	25	21 – 30	172	160 – 191	132	125 – 148	66.3	65.1 – 66.9	67.5	66.5 – 68.0
88	48	39 – 58	36	29 – 44	407	389 – 424	177	161 – 193	58.8	57.6 – 59.9	69.9	68.7 – 71.0
89	100	89 – 112	99	87 – 110	591	545 – 634	546	500 – 592	47.3	45.1 – 49.5	48.1	45.6 – 50.5
90	62	57 – 67	58	54 – 62	276	257 – 295	196	184 – 208	61.4	60.7 – 62.1	65.5	64.8 – 66.2
91	19	15 – 23	17	14 – 21	119	106 – 134	83	74 – 94	71.9	70.9 – 72.8	75.2	74.2 – 76.1
92	73	61 – 87	68	56 – 81	293	271 – 316	152	139 – 168	61.6	60.0 – 63.0	69.0	67.4 – 70.4
93	143	127 – 163	126	112 – 145	341	321 – 361	302	284 – 323	54.0	52.2 – 55.6	56.6	54.7 – 58.1
94	21	14 – 32	16	11 – 22	349	307 – 393	131	111 – 155	63.6	61.3 – 65.5	74.6	73.0 – 75.9
95	31	24 – 37	25	19 – 32	172	150 – 195	136	116 – 160	66.2	65.0 – 67.5	67.3	65.8 – 68.5
96	147	130 – 164	134	119 – 151	604	549 – 653	565	510 – 615	44.1	41.6 – 46.7	45.1	42.4 – 47.9
97	214	195 – 240	196	176 – 218	513	480 – 544	461	433 – 491	42.5	40.4 – 44.5	44.9	42.9 – 46.8
98	39	32 – 49	35	27 – 43	192	169 – 215	141	121 – 161	65.0	63.7 – 66.3	67.0	65.7 – 68.4
99	16	12 – 21	9	7 – 12	284	254 – 317	95	83 – 109	67.0	65.2 – 68.6	77.9	76.9 – 78.8
100	6	5 – 9	6	4 – 9	139	126 – 151	69	66 – 72	74.5	73.7 – 75.4	81.4	80.4 – 82.5
101	179	163 – 198	157	141 – 172	486	457 – 515	440	410 – 467	45.0	43.2 – 46.7	47.7	45.9 – 49.4
102	222	207 – 248	215	196 – 233	664	631 – 689	618	587 – 643	37.3	35.4 – 39.0	38.4	36.7 – 40.1
103	15	13 – 17	13	11 – 15	172	159 – 188	125	115 – 137	67.6	66.8 – 68.3	69.9	69.2 – 70.5
104	90	81 – 102	86	76 – 98	214	198 – 228	208	194 – 223	63.3	62.1 – 64.5	62.6	61.3 – 63.8
105	240	222 – 260	229	214 – 249	500	468 – 529	432	401 – 459	41.3	39.5 – 43.2	44.0	42.2 – 45.8
106	9	7 – 13	6	4 – 8	94	81 – 108	45	38 – 54	75.7	74.7 – 76.5	80.8	80.0 – 81.5
107	60	56 – 66	51	48 – 55	227	209 – 245	175	163 – 186	64.0	63.2 – 64.9	67.1	66.4 – 67.9
108	189	174 – 204	168	157 – 180	367	335 – 396	312	284 – 336	49.5	47.8 – 51.6	53.0	51.3 – 54.8
109	26	17 – 39	15	10 – 21	247	211 – 284	116	99 – 134	66.7	64.7 – 68.6	74.1	72.8 – 75.1
110	26	19 – 36	23	18 – 28	194	176 – 214	109	102 – 116	71.0	69.7 – 72.2	77.1	76.4 – 77.9

Annex Table 2 Basic indicators for all Member States

Member State	POPULATION ESTIMATES								
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		
			1990	1999	1990	1999	1990	1999	
111	Micronesia, Federated States of	116	2.1	76	72	4.6	5.1	5.1	4.6
112	Monaco	33	1.2	48	49	19.7	21.3	1.7	1.7
113	Mongolia	2 621	1.9	84	65	5.8	5.8	4.1	2.5
114	Morocco	27 867	1.7	74	60	6.1	6.7	3.8	2.9
115	Mozambique	19 286	3.5	91	93	5.2	5.1	6.5	6.1
116	Myanmar	45 059	1.2	66	50	6.4	7.4	3.2	2.3
117	Namibia	1 695	2.6	87	83	5.7	5.9	5.4	4.8
118	Nauru	11	1.9	76	72	4.6	5.1	4.6	4.0
119	Nepal	23 385	2.5	87	82	5.7	5.5	5.3	4.3
120	Netherlands	15 735	0.6	45	47	17.3	18.3	1.6	1.5
121	New Zealand	3 828	1.5	53	53	15.3	15.5	2.1	2.0
122	Nicaragua	4 938	2.9	96	86	4.4	4.6	5.0	4.3
123	Niger	10 400	3.3	101	103	4.0	4.0	7.6	6.7
124	Nigeria	108 945	2.5	93	87	4.5	4.9	6.0	5.0
125	Niue	2	-2.0	70	66	5.6	6.6	3.2	2.7
126	Norway	4 442	0.5	54	54	21.0	19.7	1.8	1.9
127	Oman	2 460	3.6	95	89	3.8	4.1	7.0	5.7
128	Pakistan	152 331	2.8	85	83	4.7	4.9	5.8	4.9
129	Palau	19	2.5	76	72	4.6	5.1	2.9	2.5
130	Panama	2 812	1.8	67	59	7.3	8.0	3.0	2.6
131	Papua New Guinea	4 702	2.3	75	72	4.7	5.0	5.1	4.5
132	Paraguay	5 358	2.7	84	77	5.4	5.3	4.7	4.1
133	Peru	25 230	1.8	73	63	6.1	7.1	3.7	2.9
134	Philippines	74 454	2.3	78	68	5.3	5.6	4.1	3.5
135	Poland	38 740	0.2	54	47	14.9	16.3	2.0	1.5
136	Portugal	9 873	0.0	51	47	19.0	20.8	1.6	1.4
137	Qatar	589	2.2	40	40	2.0	4.4	4.4	3.6
138	Republic of Korea	46 480	0.9	45	39	7.7	10.2	1.7	1.7
139	Republic of Moldova	4 380	0.0	57	51	12.8	14.1	2.4	1.7
140	Romania	22 402	-0.4	51	46	15.7	18.6	1.9	1.2
141	Russian Federation	147 196	-0.1	49	45	16.0	18.3	1.8	1.4
142	Rwanda	7 235	0.4	100	92	4.1	3.9	6.8	6.0
143	Saint Kitts and Nevis	39	-0.9	63	58	9.1	9.7	2.8	2.4
144	Saint Lucia	152	1.4	63	58	9.1	9.7	2.6	2.3
145	Saint Vincent and the Grenadines	113	0.8	63	58	9.1	9.7	2.3	1.9
146	Samoa	177	1.1	80	75	5.2	6.2	4.7	4.4
147	San Marino	26	1.4	48	47	19.0	21.7	1.8	1.5
148	Sao Tome and Principe	144	2.2	105	105	6.7	6.7	6.7	6.1
149	Saudi Arabia	20 899	3.0	80	77	4.0	4.6	6.6	5.6
150	Senegal	9 240	2.6	94	90	4.7	4.2	6.3	5.4
151	Seychelles	77	1.1	61	61	9.5	9.5	2.3	2.0
152	Sierra Leone	4 717	1.9	88	89	5.1	4.8	6.5	5.9
153	Singapore	3 522	1.7	37	41	8.4	10.3	1.7	1.7
154	Slovakia	5 382	0.3	55	46	14.8	15.3	2.0	1.4
155	Slovenia	1 989	0.4	45	43	17.1	18.8	1.5	1.3
156	Solomon Islands	430	3.3	94	86	4.3	4.7	5.7	4.7
157	Somalia	9 672	2.5	102	101	4.3	3.9	7.3	7.2
158	South Africa	39 900	1.8	69	63	5.3	5.7	3.7	3.2
159	Spain	39 634	0.1	50	46	19.2	21.6	1.4	1.1
160	Sri Lanka	18 639	1.0	61	50	8.0	9.5	2.4	2.1
161	Sudan	28 883	2.0	85	76	4.5	5.1	5.2	4.5
162	Suriname	415	0.4	68	58	6.8	8.0	2.7	2.2
163	Swaziland	980	3.0	95	85	4.3	4.4	5.4	4.6
164	Sweden	8 892	0.4	56	56	22.8	22.3	2.0	1.6
165	Switzerland	7 344	0.8	45	47	19.1	19.3	1.5	1.5

	PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)			
	Under age 5 years				Between ages 15 and 59 years				Males		Females	
	Males		Females		Males		Females					
	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval
111	44	40 – 48	31	29 – 34	194	179 – 209	137	128 – 145	66.4	65.6 – 67.4	70.1	69.3 – 70.9
112	9	5 – 15	7	4 – 10	146	118 – 178	59	46 – 73	74.7	72.8 – 76.4	83.6	82.2 – 84.7
113	123	103 – 144	104	88 – 123	263	245 – 278	181	169 – 193	58.9	57.2 – 60.7	64.8	63.2 – 66.3
114	69	63 – 76	61	54 – 67	177	161 – 197	139	127 – 153	65.0	63.7 – 66.2	66.8	65.6 – 67.9
115	196	170 – 225	189	164 – 218	580	523 – 633	514	454 – 571	41.8	39.1 – 44.7	44.0	41.1 – 47.4
116	142	131 – 157	126	112 – 142	253	235 – 268	231	221 – 243	58.4	57.0 – 59.8	59.2	57.8 – 60.3
117	113	101 – 126	112	100 – 124	682	614 – 741	649	578 – 711	43.3	40.3 – 46.3	43.0	39.7 – 46.5
118	19	18 – 21	15	14 – 17	511	493 – 528	260	250 – 270	56.4	56.2 – 56.6	63.3	62.9 – 63.6
119	119	105 – 134	107	95 – 119	297	276 – 317	274	256 – 291	57.3	55.8 – 58.8	57.8	56.5 – 59.3
120	7	7 – 7	6	5 – 6	103	97 – 109	66	62 – 70	75.0	74.9 – 75.2	81.1	80.5 – 81.7
121	9	8 – 10	7	6 – 8	125	116 – 133	74	70 – 79	73.9	73.5 – 74.4	79.3	78.8 – 79.9
122	50	46 – 54	44	40 – 48	239	224 – 254	163	152 – 173	64.8	63.8 – 65.7	68.8	67.9 – 69.7
123	331	310 – 355	339	318 – 363	470	436 – 502	362	329 – 393	37.2	35.3 – 39.1	40.6	38.6 – 42.7
124	173	152 – 199	170	148 – 196	473	435 – 513	429	393 – 468	46.8	44.4 – 49.1	48.2	45.6 – 50.6
125	33	19 – 57	30	17 – 53	185	144 – 234	149	113 – 193	68.3	64.8 – 71.1	70.9	67.4 – 73.5
126	6	5 – 7	5	4 – 6	109	99 – 115	60	57 – 64	75.1	74.8 – 75.4	82.1	81.6 – 82.6
127	18	16 – 20	18	16 – 19	135	122 – 150	94	90 – 100	70.4	69.4 – 71.5	73.8	73.2 – 74.2
128	100	90 – 109	98	92 – 111	194	173 – 216	147	131 – 161	62.6	61.1 – 64.2	64.9	62.1 – 66.1
129	23	21 – 25	16	15 – 17	236	222 – 251	132	125 – 139	64.5	63.9 – 65.1	69.7	69.1 – 70.3
130	35	30 – 40	32	28 – 36	163	152 – 175	116	107 – 125	72.6	71.6 – 73.6	75.8	74.9 – 76.8
131	129	114 – 139	106	92 – 123	377	358 – 395	325	306 – 345	53.4	52.2 – 54.7	56.6	54.9 – 58.0
132	37	33 – 42	33	28 – 37	200	191 – 209	132	122 – 142	69.6	68.9 – 70.3	74.1	73.1 – 75.0
133	52	48 – 56	45	42 – 48	224	210 – 239	159	149 – 168	65.6	64.6 – 66.6	69.1	68.3 – 69.9
134	48	44 – 52	41	36 – 46	232	218 – 246	147	137 – 158	64.1	63.3 – 64.9	69.3	68.5 – 70.2
135	13	13 – 14	11	10 – 11	242	219 – 268	88	83 – 92	67.9	66.5 – 69.1	76.6	76.0 – 77.2
136	9	7 – 10	7	5 – 8	162	152 – 171	64	60 – 68	72.0	71.3 – 72.7	79.5	79.1 – 79.9
137	19	16 – 22	19	17 – 21	122	110 – 128	89	85 – 96	71.6	71.1 – 72.7	74.6	74.0 – 75.2
138	12	8 – 16	10	8 – 13	215	181 – 253	92	76 – 111	69.2	67.4 – 70.7	76.3	75.1 – 77.4
139	20	16 – 25	17	13 – 21	293	274 – 313	146	132 – 162	64.8	63.8 – 65.7	71.9	71.0 – 72.7
140	29	27 – 32	22	20 – 24	285	248 – 325	119	114 – 125	65.1	64.5 – 65.7	73.5	72.9 – 74.0
141	24	19 – 30	19	14 – 24	352	326 – 378	131	116 – 147	62.7	61.3 – 63.9	74.0	72.8 – 75.0
142	189	172 – 206	163	149 – 178	602	526 – 662	581	506 – 642	41.2	38.6 – 44.5	42.3	39.4 – 45.7
143	34	30 – 38	28	24 – 32	272	255 – 288	160	155 – 164	65.0	64.2 – 65.9	71.2	70.7 – 71.8
144	27	24 – 31	19	16 – 21	209	195 – 223	114	111 – 117	68.9	67.9 – 70.0	74.9	74.2 – 75.6
145	28	25 – 31	26	22 – 29	170	158 – 183	118	114 – 122	71.9	70.7 – 73.2	75.2	74.4 – 76.0
146	28	25 – 30	25	23 – 27	217	203 – 231	126	119 – 134	65.4	64.7 – 66.1	70.7	70.0 – 71.5
147	7	4 – 12	6	4 – 9	109	86 – 136	51	40 – 64	75.3	73.6 – 76.8	82.0	80.8 – 83.1
148	82	79 – 85	51	49 – 52	241	208 – 277	212	186 – 240	62.1	59.9 – 64.5	64.9	63.1 – 66.7
149	21	19 – 23	20	18 – 23	131	124 – 136	107	99 – 116	71.0	70.6 – 71.6	72.6	71.9 – 73.4
150	134	121 – 149	126	114 – 140	362	334 – 390	308	283 – 334	53.5	51.6 – 55.5	56.2	54.3 – 58.1
151	21	21 – 22	12	12 – 12	234	205 – 266	131	114 – 149	64.9	63.3 – 66.4	70.5	69.2 – 71.8
152	326	298 – 367	298	271 – 336	599	569 – 627	557	527 – 584	33.2	30.7 – 35.2	35.4	33.0 – 37.5
153	4	3 – 6	3	2 – 4	126	110 – 144	67	58 – 77	75.1	74.0 – 76.0	80.8	79.9 – 81.5
154	12	10 – 14	10	8 – 12	216	202 – 231	84	76 – 94	68.9	68.2 – 69.5	76.7	76.0 – 77.2
155	6	4 – 7	4	3 – 5	171	157 – 185	66	59 – 74	71.6	71.0 – 72.2	79.5	78.9 – 80.0
156	49	45 – 53	47	43 – 50	274	256 – 292	227	215 – 239	62.0	61.4 – 62.7	64.0	63.5 – 64.5
157	206	174 – 245	196	173 – 235	522	482 – 556	487	451 – 522	44.0	41.4 – 46.5	44.7	41.8 – 46.9
158	85	76 – 92	67	60 – 74	601	562 – 641	533	493 – 575	47.3	45.4 – 49.0	49.7	47.7 – 51.8
159	6	6 – 7	6	5 – 8	129	117 – 144	54	48 – 61	75.3	74.0 – 76.4	82.1	81.5 – 82.7
160	25	21 – 29	19	16 – 22	269	254 – 280	141	131 – 152	65.8	65.2 – 66.7	73.4	72.5 – 74.2
161	117	97 – 147	103	86 – 127	396	364 – 427	350	319 – 380	53.1	50.7 – 55.1	54.7	52.4 – 56.6
162	34	30 – 39	27	23 – 32	220	206 – 235	134	123 – 145	68.1	67.1 – 69.2	73.6	72.6 – 74.5
163	107	94 – 119	97	85 – 110	612	556 – 660	568	510 – 618	45.8	43.4 – 48.5	46.8	44.0 – 49.8
164	5	3 – 6	4	4 – 5	89	79 – 99	60	56 – 63	77.1	76.6 – 77.7	81.9	81.3 – 82.4
165	6	4 – 9	6	4 – 8	111	96 – 126	58	49 – 69	75.6	74.6 – 76.6	83.0	82.0 – 83.9

Annex Table 2 Basic indicators for all Member States

Member State	POPULATION ESTIMATES								
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		
	1999	1990–1999	1990	1999	1990	1999	1990	1999	
166	Syrian Arab Republic	15 725	2.7	102	81	4.4	4.7	5.7	3.9
167	Tajikistan	6 104	1.6	89	83	6.2	6.7	4.9	4.0
168	Thailand	60 856	1.0	57	46	6.7	8.5	2.3	1.7
169	The former Yugoslav Republic of Macedonia	2 011	0.6	51	49	11.5	14.4	2.2	2.1
170	Togo	4 512	2.8	95	96	5.1	4.8	6.6	5.9
171	Tonga	98	0.3	70	66	5.6	6.6	4.7	4.0
172	Trinidad and Tobago	1 289	0.7	66	48	8.7	9.4	2.4	1.6
173	Tunisia	9 460	1.7	72	58	6.6	8.4	3.6	2.5
174	Turkey	65 546	1.7	65	52	7.1	8.4	3.2	2.4
175	Turkmenistan	4 384	2.0	79	74	6.2	6.5	4.3	3.5
176	Tuvalu	11	2.8	70	66	5.6	6.6	3.4	2.9
177	Uganda	21 143	2.8	104	109	4.0	3.2	7.1	7.0
178	Ukraine	50 658	-0.3	51	48	18.5	20.7	1.8	1.4
179	United Arab Emirates	2 398	2.5	47	45	2.4	4.7	4.2	3.3
180	United Kingdom	58 744	0.2	54	54	20.9	20.9	1.8	1.7
181	United Republic of Tanzania	32 793	2.8	96	93	4.1	4.1	6.1	5.3
182	United States of America	276 218	0.9	52	52	16.6	16.4	2.0	2.0
183	Uruguay	3 313	0.7	60	60	16.4	17.1	2.5	2.4
184	Uzbekistan	23 942	1.7	82	74	6.5	6.9	4.1	3.3
185	Vanuatu	186	2.5	91	83	5.4	4.9	4.9	4.2
186	Venezuela, Bolivarian Republic of	23 706	2.2	72	64	5.7	6.5	3.5	2.9
187	Viet Nam	78 705	1.9	77	65	7.2	7.5	3.8	2.5
188	Yemen	17 488	4.7	106	102	4.1	3.8	7.6	7.4
189	Yugoslavia	10 637	0.5	49	50	15.2	18.4	2.1	1.8
190	Zambia	8 976	2.4	107	99	3.9	3.4	6.2	5.4
191	Zimbabwe	11 529	1.7	89	80	4.3	4.2	5.0	3.7

	PROBABILITY OF DYING (per 1000)								LIFE EXPECTANCY AT BIRTH (years)			
	Under age 5 years				Between ages 15 and 59 years				Males		Females	
	Males		Females		Males		Females		Males		Females	
	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval	1999	Uncertainty interval
166	44	35 – 55	40	32 – 49	198	176 – 222	140	121 – 160	64.6	63.1 – 65.9	67.1	65.6 – 68.5
167	69	61 – 79	59	51 – 69	234	218 – 251	149	137 – 162	65.1	63.8 – 66.4	70.1	68.7 – 71.3
168	40	35 – 45	27	24 – 30	261	244 – 277	181	171 – 189	66.0	64.9 – 67.0	70.4	69.8 – 71.1
169	27	21 – 34	23	18 – 29	165	149 – 184	95	83 – 108	69.8	68.6 – 70.8	74.1	73.0 – 75.0
170	142	124 – 161	122	108 – 138	480	436 – 517	441	399 – 478	48.9	46.7 – 51.3	50.8	48.6 – 53.3
171	29	26 – 31	23	21 – 25	167	155 – 180	103	97 – 110	68.3	67.4 – 69.2	72.8	72.0 – 73.7
172	10	7 – 13	7	5 – 10	217	196 – 240	140	123 – 159	68.7	67.6 – 69.6	73.4	72.4 – 74.3
173	36	31 – 41	31	26 – 35	158	146 – 169	128	114 – 141	67.0	66.3 – 67.8	67.9	67.0 – 69.0
174	45	42 – 50	42	39 – 46	180	168 – 191	157	148 – 167	69.7	68.8 – 70.6	69.9	69.1 – 70.8
175	83	62 – 108	77	58 – 102	293	257 – 330	173	148 – 201	61.0	58.3 – 63.3	65.3	62.7 – 67.6
176	45	41 – 49	32	30 – 34	238	221 – 254	204	194 – 214	63.9	63.2 – 64.7	65.5	65.0 – 66.1
177	165	151 – 180	153	142 – 167	622	590 – 649	592	559 – 618	41.9	40.4 – 43.5	42.4	40.9 – 44.2
178	16	14 – 20	12	10 – 15	326	311 – 341	121	110 – 132	64.4	63.6 – 65.1	74.4	73.7 – 75.0
179	19	16 – 23	16	15 – 18	117	106 – 127	80	74 – 86	72.2	71.4 – 73.0	75.6	74.9 – 76.4
180	7	7 – 7	6	5 – 6	111	108 – 113	67	66 – 69	74.7	74.4 – 75.0	79.7	79.4 – 80.0
181	157	143 – 170	148	134 – 161	568	542 – 597	525	500 – 553	44.4	42.9 – 46.0	45.6	44.0 – 47.2
182	8	8 – 8	8	7 – 8	148	139 – 157	85	83 – 87	73.8	73.0 – 74.6	79.7	79.4 – 80.0
183	20	18 – 23	16	13 – 19	184	171 – 194	88	80 – 95	70.5	69.8 – 71.4	77.8	77.2 – 78.6
184	48	38 – 60	38	30 – 49	227	206 – 247	137	121 – 155	65.8	64.2 – 67.1	71.2	69.8 – 72.5
185	64	59 – 70	57	53 – 61	333	313 – 353	239	226 – 252	58.7	58.2 – 59.3	63.0	62.5 – 63.6
186	22	21 – 24	23	19 – 26	163	151 – 176	94	84 – 105	70.9	70.0 – 71.9	76.2	74.9 – 77.3
187	39	36 – 44	31	28 – 35	225	211 – 239	153	142 – 163	64.7	63.9 – 65.5	68.8	68.1 – 69.6
188	113	101 – 137	108	92 – 127	288	259 – 314	257	234 – 281	57.3	55.0 – 58.9	58.0	56.1 – 59.7
189	29	25 – 32	22	20 – 26	153	143 – 165	90	83 – 99	71.8	70.9 – 72.6	76.4	75.4 – 77.1
190	174	160 – 190	163	149 – 178	729	690 – 765	682	640 – 721	38.0	36.0 – 39.9	39.0	36.7 – 41.2
191	122	108 – 134	113	101 – 125	730	683 – 773	710	663 – 754	40.9	38.6 – 43.2	40.0	37.5 – 42.5

Annex Table 3 Deaths by cause, sex and mortality stratum in WHO Regions^a, estimates for 1999

Cause ^b	SEX						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		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
Population (000)	5 961 628		3 002 288		2 959 340		286 350	330 085	318 235	424 932	69 898
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
TOTAL DEATHS	55 965	100	29 158	100	26 807	100	4 381	6 055	2 641	2 490	556
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	17 380	31.1	8 734	30.0	8 645	32.2	2 931	4 429	185	519	175
Infectious and parasitic diseases	9 986	17.8	5 178	17.8	4 809	17.9	1 933	3 290	60	195	81
Tuberculosis	1 669	3.0	1 003	3.4	666	2.5	128	229	2	36	21
STDs excluding HIV	178	0.3	83	0.3	95	0.4	38	36	0	3	0
Syphilis	153	0.3	83	0.3	69	0.3	33	31	0	3	0
Chlamydia	16	0.0	0	0.0	16	0.1	3	3	0	0	0
Gonorrhoea	9	0.0	0	0.0	9	0.0	2	2	0	0	0
HIV/AIDS	2 673	4.8	1 302	4.5	1 371	5.1	458	1 696	19	45	17
Diarrhoeal diseases	2 213	4.0	1 119	3.8	1 094	4.1	371	394	2	49	23
Childhood diseases	1 554	2.8	798	2.7	755	2.8	373	367	0	20	1
Pertussis	295	0.5	157	0.5	138	0.5	67	66	0	14	0
Poliomyelitis	2	0.0	1	0.0	1	0.0	0	0	0	0	0
Diphtheria	4	0.0	2	0.0	2	0.0	0	0	0	0	0
Measles	875	1.6	451	1.5	424	1.6	258	256	0	1	0
Tetanus	377	0.7	188	0.6	189	0.7	47	44	0	5	0
Meningitis	171	0.3	90	0.3	81	0.3	19	22	1	11	2
Hepatitis	124	0.2	74	0.3	50	0.2	17	20	5	5	2
Malaria	1 086	1.9	553	1.9	532	2.0	481	472	0	2	0
Tropical diseases	171	0.3	94	0.3	77	0.3	43	51	0	23	0
Trypanosomiasis	66	0.1	37	0.1	30	0.1	29	35	0	0	0
Chagas disease	21	0.0	11	0.0	10	0.0	0	0	0	21	0
Schistosomiasis	14	0.0	8	0.0	6	0.0	3	3	0	2	0
Leishmaniasis	57	0.1	32	0.1	25	0.1	6	8	0	0	0
Lymphatic filariasis	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Onchocerciasis	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Leprosy	3	0.0	2	0.0	1	0.0	0	0	0	1	0
Dengue	13	0.0	6	0.0	7	0.0	0	0	0	0	0
Japanese encephalitis	6	0.0	3	0.0	3	0.0	0	0	0	0	0
Trachoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Intestinal nematode infections	16	0.0	8	0.0	7	0.0	2	3	0	2	2
Ascariasis	3	0.0	2	0.0	2	0.0	1	1	0	0	0
Trichuriasis	2	0.0	1	0.0	1	0.0	0	1	0	0	0
Hookworm disease	7	0.0	4	0.0	3	0.0	1	1	0	1	0
Respiratory infections	4 039	7.2	2 046	7.0	1 993	7.4	492	594	101	159	39
Acute lower respiratory infections	3 963	7.1	2 013	6.9	1 950	7.3	486	587	101	157	37
Acute upper respiratory infections	47	0.1	23	0.1	24	0.1	3	3	0	2	2
Otitis media	20	0.0	9	0.0	11	0.0	3	4	0	0	0
Maternal conditions	497	0.9	0	0.0	497	1.9	102	153	0	12	6
Perinatal conditions	2 356	4.2	1 273	4.4	1 084	4.0	319	296	15	103	35
Nutritional deficiencies	493	0.9	236	0.8	257	1.0	85	95	9	50	13
Protein-energy malnutrition	272	0.5	133	0.5	139	0.5	52	58	4	34	9
Iodine deficiency	9	0.0	6	0.0	4	0.0	1	1	0	0	0
Vitamin A deficiency	61	0.1	30	0.1	31	0.1	17	20	0	0	0
Anaemias	133	0.2	60	0.2	73	0.3	14	16	5	16	4

Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	Low child, Low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult
<i>Population (000)</i>	<i>136 798</i>	<i>348 468</i>	<i>410 233</i>	<i>215 276</i>	<i>246 336</i>	<i>288 750</i>	<i>1 219 492</i>	<i>152 882</i>	<i>1 513 894</i>
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DEATHS	900	3 318	4 084	1 817	3 156	1 944	12 326	1 115	11 182
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	132	1 364	240	184	107	574	5 025	120	1 396
Infectious and parasitic diseases	60	697	53	72	52	266	2 651	19	558
Tuberculosis	13	99	6	19	35	152	571	4	355
STDs excluding HIV	0	19	0	0	0	1	80	0	2
Syphilis	0	18	0	0	0	0	65	0	2
Chlamydia	0	0	0	0	0	0	10	0	0
Gonorrhoea	0	0	0	0	0	0	5	0	0
HIV/AIDS	0	29	7	4	4	36	324	1	33
Diarrhoeal diseases	28	272	2	25	3	27	951	1	66
Childhood diseases	12	179	0	11	2	26	516	2	45
Pertussis	2	35	0	4	1	2	93	2	10
Poliomyelitis	0	0	0	0	0	0	1	0	0
Diphtheria	0	0	0	0	0	0	3	0	0
Measles	8	89	0	4	0	18	223	0	17
Tetanus	1	54	0	3	1	6	196	0	18
Meningitis	3	22	2	4	3	10	59	0	13
Hepatitis	0	4	4	1	0	4	31	5	26
Malaria	0	44	0	0	0	10	59	0	16
Tropical diseases	1	8	0	1	0	1	40	0	2
Trypanosomiasis	0	2	0	0	0	0	0	0	0
Chagas disease	0	0	0	0	0	0	0	0	0
Schistosomiasis	1	1	0	1	0	1	0	0	2
Leishmaniasis	0	3	0	0	0	0	40	0	0
Lymphatic filariasis	0	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	2	0	0
Dengue	0	0	0	0	0	0	12	0	0
Japanese encephalitis	0	0	0	0	0	0	1	0	4
Trachoma	0	0	0	0	0	0	0	0	0
Intestinal nematode infections	0	1	0	0	0	1	5	0	1
Ascariasis	0	0	0	0	0	0	1	0	0
Trichuriasis	0	0	0	0	0	0	1	0	0
Hookworm disease	0	0	0	0	0	0	3	0	0
Respiratory infections	37	306	166	73	36	108	1 415	96	418
Acute lower respiratory infections	37	301	164	60	33	106	1 382	95	417
Acute upper respiratory infections	0	3	2	13	3	1	14	1	0
Otitis media	0	2	0	0	0	1	10	0	0
Maternal conditions	3	36	1	2	1	14	144	0	21
Perinatal conditions	26	287	11	34	17	180	671	2	361
Nutritional deficiencies	6	38	9	4	1	16	143	1	21
Protein-energy malnutrition	3	23	3	1	0	7	73	1	4
Iodine deficiency	0	1	0	0	0	0	6	0	0
Vitamin A deficiency	0	5	0	0	0	0	19	0	0
Anaemias	1	7	6	2	1	7	47	0	3

Annex Table 3 Deaths by cause, sex and mortality stratum in WHO Regions^a, estimates for 1999

Cause ^b	SEX						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		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
Population (000)	5 961 628		3 002 288		2 959 340		286 350	330 085	318 235	424 932	69 898
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
II. Noncommunicable conditions	33 484	59.8	17 039	58.4	16 445	61.3	1 074	1 226	2 283	1 648	324
Malignant neoplasms	7 065	12.6	3 915	13.4	3 150	11.7	234	289	632	335	65
Mouth and oropharynx	282	0.5	185	0.6	97	0.4	5	6	11	10	1
Esophagus	381	0.7	250	0.9	131	0.5	19	25	16	13	1
Stomach	801	1.4	489	1.7	312	1.2	21	27	19	42	12
Colon/rectum	509	0.9	263	0.9	246	0.9	6	6	76	24	2
Liver	589	1.1	410	1.4	179	0.7	44	56	6	6	3
Pancreas	194	0.3	102	0.4	91	0.3	6	8	32	6	2
Trachea/bronchus/lung	1 193	2.1	860	2.9	333	1.2	14	16	180	41	5
Melanoma and other skin cancers	74	0.1	38	0.1	36	0.1	2	3	3	3	0
Breast	467	0.8	0	0.0	467	1.7	12	15	56	27	5
Cervix	237	0.4	0	0.0	237	0.9	24	32	6	18	6
Corpus uteri	79	0.1	0	0.0	79	0.3	1	1	9	10	0
Ovary	105	0.2	0	0.0	105	0.4	4	4	15	3	2
Prostate	255	0.5	255	0.9	0	0.0	14	18	45	22	2
Bladder	138	0.2	100	0.3	39	0.1	8	10	16	6	0
Lymphoma	295	0.5	170	0.6	125	0.5	13	15	47	15	4
Leukaemia	268	0.5	142	0.5	127	0.5	7	8	27	15	4
Other neoplasms	102	0.2	53	0.2	49	0.2	2	2	9	10	2
Diabetes mellitus	777	1.4	335	1.2	441	1.6	18	20	74	98	44
Nutritional/endocrine disorders	306	0.5	155	0.5	151	0.6	22	24	27	54	11
Neuropsychiatric disorders	911	1.6	473	1.6	438	1.6	38	43	120	44	13
Unipolar major depression	1	0.0	1	0.0	1	0.0	0	0	0	0	0
Bipolar affective disorder	5	0.0	2	0.0	3	0.0	0	0	0	0	0
Psychoses	18	0.0	9	0.0	9	0.0	0	0	1	0	0
Epilepsy	95	0.2	61	0.2	35	0.1	11	13	2	6	2
Alcohol dependence	60	0.1	52	0.2	8	0.0	0	1	6	10	3
Alzheimer and other dementias	271	0.5	98	0.3	173	0.6	2	2	60	5	0
Parkinson disease	84	0.2	42	0.1	42	0.2	1	2	14	0	0
Multiple sclerosis	17	0.0	7	0.0	10	0.0	0	0	3	1	0
Drug dependence	5	0.0	5	0.0	1	0.0	0	0	0	0	0
Post traumatic stress disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Obsessive-compulsive disorders	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Panic disorder	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Sense organ disorders	2	0.0	1	0.0	2	0.0	0	1	0	0	0
Glaucoma	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Cataracts	1	0.0	0	0.0	1	0.0	0	0	0	0	0
Cardiovascular diseases	16 970	30.3	8 059	27.6	8 911	33.2	447	488	1 086	760	96
Rheumatic heart disease	376	0.7	154	0.5	222	0.8	17	18	6	6	2
Ischaemic heart disease	7 089	12.7	3 556	12.2	3 533	13.2	153	159	551	294	41
Cerebrovascular disease	5 544	9.9	2 530	8.7	3 014	11.2	153	180	187	207	24
Inflammatory cardiac disease	454	0.8	238	0.8	216	0.8	17	17	30	12	2
Respiratory diseases	3 575	6.4	1 897	6.5	1 678	6.3	104	122	162	121	19
Chronic obstructive pulmonary disease	2 660	4.8	1 420	4.9	1 240	4.6	50	59	118	39	5
Asthma	186	0.3	92	0.3	94	0.4	9	10	6	6	2

Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	Low child, Low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult
<i>Population (000)</i>	<i>136 798</i>	<i>348 468</i>	<i>410 233</i>	<i>215 276</i>	<i>246 336</i>	<i>288 750</i>	<i>1 219 492</i>	<i>152 882</i>	<i>1 513 894</i>
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
II. Noncommunicable conditions	709	1 609	3 642	1 479	2 655	1 089	6 281	920	8 542
Malignant neoplasms	74	200	1 066	248	480	283	886	336	1 937
Mouth and oropharynx	2	14	25	7	16	12	113	6	53
Esophagus	2	10	28	7	15	9	59	12	166
Stomach	4	14	71	26	75	39	73	56	322
Colon/rectum	3	7	140	22	57	10	28	43	84
Liver	4	13	24	7	2	33	39	34	319
Pancreas	3	5	51	9	3	6	13	20	27
Trachea/bronchus/lung	12	21	209	50	99	44	75	61	366
Melanoma and other skin cancers	1	1	7	4	1	14	2	3	31
Breast	1	12	91	15	36	23	91	13	70
Cervix	4	12	8	8	11	10	51	3	44
Corpus uteri	1	1	16	4	11	3	6	3	11
Ovary	1	4	25	4	1	5	20	5	11
Prostate	2	7	70	8	12	2	29	10	13
Bladder	3	6	36	7	1	4	16	6	19
Lymphoma	9	18	53	11	13	8	48	14	27
Leukaemia	5	14	36	10	14	10	53	9	55
Other neoplasms	1	3	27	3	4	5	10	9	14
Diabetes mellitus	16	38	87	28	21	37	143	17	136
Nutritional/endocrine disorders	9	20	24	7	4	14	3	9	77
Neuropsychiatric disorders	15	47	152	24	33	41	150	20	171
Unipolar major depression	0	0	0	0	0	0	0	0	1
Bipolar affective disorder	0	0	0	0	0	0	4	0	0
Psychoses	0	1	1	0	0	2	9	0	4
Epilepsy	1	6	6	4	4	5	19	1	16
Alcohol dependence	0	1	12	3	1	4	7	1	9
Alzheimer and other dementias	1	5	77	2	1	20	41	8	46
Parkinson disease	1	2	20	1	0	2	12	4	26
Multiple sclerosis	0	0	4	1	2	0	5	0	1
Drug dependence	0	0	4	0	0	0	0	0	0
Post traumatic stress disorder	0	0	0	0	0	0	0	0	0
Obsessive-compulsive disorders	0	0	0	0	0	0	0	0	0
Panic disorder	0	0	0	0	0	0	0	0	0
Sense organ disorders	0	0	0	0	0	0	0	0	0
Glaucoma	0	0	0	0	0	0	0	0	0
Cataracts	0	0	0	0	0	0	0	0	0
Cardiovascular diseases	462	907	1 802	981	1 841	428	3 752	392	3 527
Rheumatic heart disease	11	28	11	14	15	12	116	3	117
Ischaemic heart disease	196	405	823	372	968	160	2 078	121	767
Cerebrovascular disease	116	212	471	255	623	193	804	166	1 952
Inflammatory cardiac disease	20	41	26	22	25	13	144	7	80
Respiratory diseases	42	114	201	62	124	104	473	55	1 871
Chronic obstructive pulmonary disease	28	61	144	41	90	46	249	22	1 708
Asthma	4	10	12	5	9	20	34	7	50

Annex Table 3 Deaths by cause, sex and mortality stratum in WHO Regions^a, estimates for 1999

Cause ^b	SEX						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		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
<i>Population (000)</i>	<i>5 961 628</i>		<i>3 002 288</i>		<i>2 959 340</i>		<i>286 350</i>	<i>330 085</i>	<i>318 235</i>	<i>424 932</i>	<i>69 898</i>
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Digestive diseases	2 049	3.7	1 241	4.3	808	3.0	96	114	93	137	47
Peptic ulcer disease	266	0.5	161	0.6	105	0.4	6	8	6	11	3
Cirrhosis of the liver	909	1.6	614	2.1	294	1.1	32	39	30	62	28
Appendicitis	43	0.1	27	0.1	16	0.1	1	2	1	2	1
Diseases of the genitourinary system	900	1.6	497	1.7	403	1.5	57	63	52	48	15
Nephritis/nephrosis	697	1.2	372	1.3	325	1.2	39	41	29	35	12
Benign prostatic hypertrophy	45	0.1	45	0.2	0	0.0	3	4	1	1	0
Skin diseases	61	0.1	27	0.1	34	0.1	10	13	4	4	1
Musculoskeletal diseases	107	0.2	37	0.1	69	0.3	6	8	12	7	2
Rheumatoid arthritis	19	0.0	7	0.0	12	0.0	1	1	2	0	0
Osteoarthritis	1	0.0	0	0.0	1	0.0	0	0	0	0	0
Congenital abnormalities	652	1.2	348	1.2	304	1.1	39	40	14	29	8
Oral diseases	1	0.0	0	0.0	0	0.0	0	0	0	0	0
Dental caries	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Periodontal disease	0	0.0	0	0.0	0	0.0	0	0	0	0	0
Edentulism	0	0.0	0	0.0	0	0.0	0	0	0	0	0
III. Injuries	5 101	9.1	3 385	11.6	1 716	6.4	376	400	172	322	58
Unintentional	3 412	6.1	2 284	7.8	1 128	4.2	224	232	113	183	35
Road traffic accidents	1 230	2.2	908	3.1	323	1.2	91	97	48	87	13
Poisoning	257	0.5	170	0.6	87	0.3	15	16	12	3	1
Falls	347	0.6	206	0.7	142	0.5	9	11	20	17	4
Fires	258	0.5	111	0.4	147	0.5	16	13	4	4	1
Drowning	447	0.8	294	1.0	153	0.6	42	37	4	18	3
Other unintentional injuries	865	1.5	589	2.0	276	1.0	51	58	24	51	12
Intentional	1 689	3.0	1 101	3.8	588	2.2	152	168	59	140	22
Self-inflicted	893	1.6	545	1.9	348	1.3	32	37	38	21	3
Homicide and violence	527	0.9	392	1.3	135	0.5	65	72	21	107	14
War	269	0.5	164	0.6	105	0.4	55	59	0	12	6

^a See list of Member States by WHO Region and mortality stratum (pp.204–205).^b Estimates for specific causes may not sum to broader cause groupings due to omission of residual categories.

Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	Low child, Low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult
<i>Population (000)</i>	136 798	348 468	410 233	215 276	246 336	288 750	1 219 492	152 882	1 513 894
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Digestive diseases	38	105	186	77	101	102	426	45	483
Peptic ulcer disease	1	10	18	6	13	20	71	5	88
Cirrhosis of the liver	10	42	69	41	51	45	248	15	196
Appendicitis	0	3	1	0	1	1	24	0	7
Diseases of the genitourinary system	41	71	59	36	26	45	191	26	171
Nephritis/nephrosis	36	61	39	30	11	36	167	23	137
Benign prostatic hypertrophy	0	3	2	1	3	1	18	0	8
Skin diseases	1	4	8	1	2	5	4	1	3
Musculoskeletal diseases	1	3	18	2	4	10	5	5	24
Rheumatoid arthritis	0	0	4	0	0	2	4	2	2
Osteoarthritis	0	0	0	0	0	0	0	0	0
Congenital abnormalities	9	97	12	11	15	22	238	4	115
Oral diseases	0	0	0	0	0	0	0	0	0
Dental caries	0	0	0	0	0	0	0	0	0
Periodontal disease	0	0	0	0	0	0	0	0	0
Edentulism	0	0	0	0	0	0	0	0	0
III. Injuries	59	346	201	154	395	281	1 020	76	1 241
Unintentional	51	241	141	102	240	199	794	48	809
Road traffic accidents	30	90	45	39	46	123	231	16	274
Poisoning	7	19	6	11	70	7	32	1	56
Falls	3	24	48	12	16	18	64	8	94
Fires	3	23	3	5	12	7	148	2	18
Drowning	4	28	4	10	25	16	94	6	154
Other unintentional injuries	4	56	34	24	71	29	224	15	213
Intentional	7	105	60	52	155	82	226	28	432
Self-inflicted	5	30	54	21	91	36	135	27	363
Homicide and violence	1	37	5	7	50	11	71	1	66
War	1	38	1	23	15	35	20	0	4

Annex Table 4 Burden of disease in disability-adjusted life years (DALYs) by cause, sex and mortality stratum in WHO Regions^a, estimates for 1999

Cause ^b	SEX						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		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
<i>Population (000)</i>	<i>5 961 628</i>		<i>3 002 288</i>		<i>2 959 340</i>		<i>286 350</i>	<i>330 085</i>	<i>318 235</i>	<i>424 932</i>	<i>69 898</i>
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	1 438 154	100	751 600	100	686 555	100	158 439	214 921	38 627	70 969	16 346
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	615 105	42.8	296 674	39.5	318 431	46.4	110 969	162 607	2 851	16 073	6 371
Infectious and parasitic diseases	353 779	24.6	175 376	23.3	178 403	26.0	73 124	120 024	1 307	7 360	2 918
Tuberculosis	33 287	2.3	19 030	2.5	14 257	2.1	3 158	5 563	16	627	471
STDs excluding HIV	19 747	1.4	6 686	0.9	13 060	1.9	3 780	4 068	155	917	136
Syphilis	6 081	0.4	3 558	0.5	2 523	0.4	1 587	1 602	2	104	7
Chlamydia	7 969	0.6	944	0.1	7 024	1.0	1 046	1 187	135	557	87
Gonorrhoea	5 686	0.4	2 181	0.3	3 504	0.5	1 147	1 278	17	255	41
HIV/AIDS	89 819	6.2	42 623	5.7	47 196	6.9	15 778	58 671	563	1 628	621
Diarrhoeal diseases	72 063	5.0	36 413	4.8	35 650	5.2	11 867	12 454	102	1 642	770
Childhood diseases	54 638	3.8	27 986	3.7	26 652	3.9	12 864	12 878	10	477	46
Pertussis	10 905	0.8	5 662	0.7	5 243	0.8	2 460	2 477	10	173	6
Poliomyelitis	1 725	0.1	946	0.1	779	0.1	55	224	0	126	26
Diphtheria	151	0.0	75	0.0	76	0.0	13	11	0	2	0
Measles	29 838	2.1	15 328	2.0	14 510	2.1	8 762	8 701	0	23	8
Tetanus	12 020	0.8	5 975	0.8	6 045	0.9	1 574	1 465	0	154	6
Meningitis	9 824	0.7	4 661	0.6	5 164	0.8	1 685	1 935	54	529	139
Hepatitis	2 790	0.2	1 689	0.2	1 101	0.2	544	628	70	83	59
Malaria	44 998	3.1	22 758	3.0	22 240	3.2	18 600	18 238	0	53	23
Tropical diseases	12 966	0.9	8 443	1.1	4 523	0.7	3 289	3 824	0	781	89
Trypanosomiasis	2 048	0.1	1 111	0.1	937	0.1	917	1 074	0	0	1
Chagas disease	676	0.0	400	0.1	277	0.0	0	0	0	624	53
Schistosomiasis	1 932	0.1	1 174	0.2	758	0.1	755	882	0	122	11
Leishmaniasis	1 983	0.1	1 200	0.2	782	0.1	113	143	0	27	23
Lymphatic filariasis	4 918	0.3	3 777	0.5	1 141	0.2	852	982	0	7	1
Onchocerciasis	1 085	0.1	623	0.1	461	0.1	508	575	0	2	0
Leprosy	476	0.0	253	0.0	223	0.0	37	42	0	52	8
Dengue	465	0.0	220	0.0	245	0.0	11	13	0	0	0
Japanese encephalitis	1 046	0.1	519	0.1	527	0.1	0	0	0	0	0
Trachoma	1 239	0.1	336	0.0	903	0.1	207	227	0	0	0
Intestinal nematode infections	2 653	0.2	1 351	0.2	1 303	0.2	400	460	1	169	124
Ascariasis	505	0.0	253	0.0	252	0.0	94	108	0	13	30
Trichuriasis	481	0.0	284	0.0	197	0.0	92	106	0	113	42
Hookworm disease	1 699	0.1	869	0.1	830	0.1	189	217	0	153	20
Respiratory infections	101 127	7.0	50 852	6.7	50 275	7.3	15 352	17 419	566	2 480	1 158
Acute lower respiratory infections	96 682	6.7	48 891	6.5	47 792	6.9	14 858	16 871	500	2 315	1 054
Acute upper respiratory infections	1 600	0.1	784	0.1	816	0.1	108	106	11	49	70
Otitis media	2 183	0.2	985	0.1	1 198	0.2	346	402	32	102	20
Maternal conditions	26 101	1.8	0	0.0	26 101	3.8	4 954	7 571	49	861	297
Perinatal conditions	89 508	6.2	48 911	6.5	40 597	5.9	12 351	11 746	576	3 707	1 283
Nutritional deficiencies	44 539	3.1	21 478	2.8	23 062	3.4	5 189	5 848	353	1 665	715
Protein-energy malnutrition	13 578	0.9	6 826	0.9	6 752	1.0	2 731	3 073	43	617	264
Iodine deficiency	1 032	0.1	597	0.1	435	0.1	107	112	9	37	8
Vitamin A deficiency	108	0.0	55	0.0	53	0.0	18	21	0	5	1
Anaemias	26 272	1.8	11 729	1.6	14 544	2.1	1 511	1 708	282	920	422

Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	Low child, Low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult
<i>Population (000)</i>	<i>136 798</i>	<i>348 468</i>	<i>410 233</i>	<i>215 276</i>	<i>246 336</i>	<i>288 750</i>	<i>1 219 492</i>	<i>152 882</i>	<i>1 513 894</i>
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
TOTAL DALYs	20 895	101 688	48 999	36 484	50 868	56 604	355 876	15 235	252 204
I. Communicable diseases, maternal and perinatal conditions and nutritional deficiencies	5 858	52 472	2 861	6 515	3 620	21 762	168 893	942	53 311
Infectious and parasitic diseases	2 337	26 485	1 230	2 614	1 672	9 672	85 629	304	19 105
Tuberculosis	225	2 035	47	450	761	3 453	10 648	26	5 806
STDs excluding HIV	103	899	192	252	273	1 159	7 566	69	180
Syphilis	7	641	2	2	2	17	2 050	1	58
Chlamydia	68	182	167	198	216	686	3 292	60	85
Gonorrhoea	27	74	21	51	54	454	2 221	8	37
HIV/AIDS	10	2 162	519	108	98	1 102	7 764	28	767
Diarrhoeal diseases	977	9 146	111	875	145	1 057	28 960	43	3 912
Childhood diseases	399	6 161	12	390	75	989	18 460	23	1 852
Pertussis	83	1 332	11	143	43	88	3 546	16	517
Poliomyelitis	6	13	0	1	0	94	1 001	0	178
Diphtheria	1	10	0	1	0	4	106	0	2
Measles	273	3 020	1	147	0	611	7 697	6	588
Tetanus	35	1 786	1	99	31	192	6 110	0	566
Meningitis	156	1 316	74	227	137	818	1 749	11	994
Hepatitis	8	101	41	14	2	106	600	56	479
Malaria	47	2 727	2	0	0	323	2 748	0	2 235
Tropical diseases	52	333	0	16	0	256	4 018	0	308
Trypanosomiasis	0	56	0	0	0	0	0	0	0
Chagas disease	0	0	0	0	0	0	0	0	0
Schistosomiasis	34	64	0	15	0	18	0	0	30
Leishmaniasis	14	196	0	0	0	15	1 452	0	0
Lymphatic filariasis	3	8	0	0	0	222	2 566	0	278
Onchocerciasis	0	0	0	0	0	0	0	0	0
Leprosy	3	7	0	0	0	31	287	0	9
Dengue	0	1	0	0	0	3	437	0	0
Japanese encephalitis	0	1	0	0	0	47	171	0	828
Trachoma	68	169	0	0	0	23	39	0	505
Intestinal nematode infections	46	103	0	2	1	239	989	0	119
Ascariasis	19	24	0	0	0	5	181	0	31
Trichuriasis	0	3	0	0	0	1	119	0	5
Hookworm disease	26	67	0	0	0	157	705	0	166
Respiratory infections	980	9 936	724	1 987	798	3 014	35 130	401	11 183
Acute lower respiratory infections	921	9 625	645	1 435	637	2 904	33 746	372	10 798
Acute upper respiratory infections	10	114	24	502	122	28	405	12	40
Otitis media	40	166	36	28	25	73	624	14	276
Maternal conditions	704	2 016	54	215	182	624	7 109	15	1 451
Perinatal conditions	1 134	10 621	454	1 269	647	6 362	26 353	91	12 914
Nutritional deficiencies	704	3 415	400	430	322	2 194	14 672	131	8 502
Protein-energy malnutrition	39	1 196	36	93	47	366	4 837	16	218
Iodine deficiency	28	109	9	13	9	2	354	3	233
Vitamin A deficiency	5	15	0	0	0	6	25	0	12
Anaemias	607	1 835	337	308	257	1 749	8 462	111	7 764

Annex Table 4 Burden of disease in disability-adjusted life years (DALYs) by cause, sex and mortality stratum in WHO Regions^a, estimates for 1999

Cause ^b	SEX						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		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
Population (000)	5 961 628		3 002 288		2 959 340		286 350	330 085	318 235	424 932	69 898
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
II. Noncommunicable conditions	621 742	43.2	322 583	42.9	299 159	43.6	30 080	33 601	31 085	43 789	8 035
Malignant neoplasms	84 500	5.9	46 145	6.1	38 355	5.6	3 277	3 903	5 689	4 107	818
Mouth and oropharynx	3 993	0.3	2 725	0.4	1 268	0.2	78	93	120	127	10
Esophagus	3 921	0.3	2 518	0.3	1 403	0.2	200	255	138	134	8
Stomach	8 683	0.6	5 395	0.7	3 288	0.5	267	332	160	437	127
Colon/rectum	5 182	0.4	2 707	0.4	2 474	0.4	77	88	663	257	21
Liver	7 819	0.5	5 720	0.8	2 099	0.3	670	851	61	63	35
Pancreas	1 788	0.1	1 014	0.1	774	0.1	68	82	245	67	23
Trachea/bronchus/lung	11 628	0.8	8 347	1.1	3 281	0.5	149	166	1 509	425	47
Melanoma and other skin cancers	749	0.1	393	0.1	355	0.1	33	41	35	35	3
Breast	6 529	0.5	3	0.0	6 525	0.9	174	221	636	386	64
Cervix	3 354	0.2	0	0.0	3 354	0.5	302	384	94	282	83
Corpus uteri	860	0.1	0	0.0	860	0.1	14	16	72	133	3
Ovary	1 439	0.1	0	0.0	1 439	0.2	53	62	145	41	26
Prostate	1 736	0.1	1 736	0.2	0	0.0	94	120	296	152	14
Bladder	1 207	0.1	925	0.1	282	0.0	69	85	135	49	4
Lymphoma	4 538	0.3	2 831	0.4	1 707	0.2	313	333	431	224	61
Leukaemia	5 522	0.4	2 985	0.4	2 538	0.4	177	180	265	330	88
Other neoplasms	1 366	0.1	733	0.1	633	0.1	42	44	82	164	36
Diabetes mellitus	15 070	1.0	6 972	0.9	8 098	1.2	411	446	1 628	1 596	625
Nutritional/endocrine disorders	14 667	1.0	7 998	1.1	6 669	1.0	1 725	1 755	757	3 386	588
Neuropsychiatric disorders	158 721	11.0	77 771	10.3	80 950	11.8	7 466	8 554	9 424	14 538	2 508
Unipolar major depression	59 030	4.1	20 956	2.8	38 074	5.5	2 662	3 027	2 623	4 240	646
Bipolar affective disorder	16 368	1.1	8 340	1.1	8 028	1.2	765	873	665	1 172	181
Psychoses	12 054	0.8	5 675	0.8	6 380	0.9	260	298	851	1 228	191
Epilepsy	7 634	0.5	4 502	0.6	3 132	0.5	841	1 024	153	577	209
Alcohol dependence	18 743	1.3	16 512	2.2	2 231	0.3	982	1 131	1 863	3 762	656
Alzheimer and other dementias	10 002	0.7	4 166	0.6	5 836	0.8	173	193	1 141	577	82
Parkinson disease	1 587	0.1	705	0.1	882	0.1	33	41	217	29	4
Multiple sclerosis	1 568	0.1	687	0.1	881	0.1	51	58	120	98	16
Drug dependence	5 657	0.4	4 486	0.6	1 171	0.2	209	239	563	1 048	165
Post traumatic stress disorder	2 197	0.2	837	0.1	1 360	0.2	109	126	108	162	27
Obsessive-compulsive disorders	11 703	0.8	5 074	0.7	6 630	1.0	541	621	573	839	133
Panic disorder	5 493	0.4	1 838	0.2	3 654	0.5	254	290	273	388	60
Sense organ disorders	12 005	0.8	5 390	0.7	6 614	1.0	1 142	1 239	41	588	80
Glaucoma	3 021	0.2	1 190	0.2	1 830	0.3	227	245	28	90	12
Cataracts	8 942	0.6	4 184	0.6	4 757	0.7	909	988	12	487	66
Cardiovascular diseases	157 185	10.9	81 848	10.9	75 337	11.0	5 731	6 198	7 273	7 891	1 001
Rheumatic heart disease	7 755	0.5	3 311	0.4	4 444	0.6	481	523	54	116	33
Ischaemic heart disease	58 981	4.1	32 792	4.3	26 189	3.8	1 632	1 737	3 298	2 915	381
Cerebrovascular disease	49 856	3.5	24 738	3.3	25 118	3.7	1 712	1 974	1 410	2 208	243
Inflammatory cardiac disease	8 894	0.6	4 915	0.7	3 979	0.6	423	401	382	291	47
Respiratory diseases	70 017	4.9	36 038	4.8	33 980	4.9	3 177	3 647	2 587	3 189	428
Chronic obstructive pulmonary disease	38 156	2.6	20 635	2.7	17 521	2.5	809	891	1 267	869	86
Asthma	12 881	0.9	6 898	0.9	5 983	0.9	972	1 129	492	678	144

Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	Low child, Low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult
<i>Population (000)</i>	<i>136 798</i>	<i>348 468</i>	<i>410 233</i>	<i>215 276</i>	<i>246 336</i>	<i>288 750</i>	<i>1 219 492</i>	<i>152 882</i>	<i>1 513 894</i>
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
II. Noncommunicable conditions	12 568	38 471	41 818	25 387	36 827	22 973	133 563	12 626	150 920
Malignant neoplasms	920	3 053	9 181	3 084	5 597	4 275	13 575	2 882	24 139
Mouth and oropharynx	32	205	294	108	222	212	1 592	62	838
Esophagus	12	122	246	73	156	93	854	98	1 530
Stomach	47	186	534	286	826	515	1 008	462	3 496
Colon/rectum	41	95	1 133	254	617	142	385	397	1 013
Liver	37	171	187	65	15	530	432	289	4 413
Pancreas	29	59	384	96	26	76	213	151	269
Trachea/bronchus/lung	112	225	1 774	550	1 062	501	909	448	3 752
Melanoma and other skin cancers	4	11	77	41	10	146	12	27	275
Breast	7	181	954	198	492	411	1 510	173	1 122
Cervix	26	149	103	104	154	176	813	36	647
Corpus uteri	6	15	122	55	124	54	63	31	151
Ovary	19	69	233	59	14	95	369	61	192
Prostate	16	44	455	71	119	15	183	68	88
Bladder	24	43	312	76	16	45	118	45	186
Lymphoma	167	397	458	208	201	163	1 034	117	431
Leukaemia	118	375	345	203	213	262	1 431	102	1 434
Other neoplasms	24	67	181	49	69	88	226	69	226
Diabetes mellitus	293	905	1 176	876	769	716	3 212	303	2 115
Nutritional/endocrine disorders	492	1 324	568	506	246	670	194	200	2 256
Neuropsychiatric disorders	3 231	8 429	12 611	6 430	7 425	8 651	28 704	4 164	36 585
Unipolar major depression	1 312	3 227	3 376	1 964	2 297	3 104	12 165	1 255	17 132
Bipolar affective disorder	377	929	844	526	590	860	3 520	307	4 758
Psychoses	399	985	1 061	554	599	1 047	2 520	381	1 681
Epilepsy	44	289	337	343	373	534	1 509	68	1 333
Alcohol dependence	73	198	2 562	1 192	1 140	926	1 386	714	2 159
Alzheimer and other dementias	61	205	1 737	427	649	473	1 590	580	2 113
Parkinson disease	17	45	310	38	33	57	259	82	421
Multiple sclerosis	28	76	145	58	145	65	469	14	226
Drug dependence	258	628	788	359	385	406	118	258	234
Post traumatic stress disorder	53	132	131	78	84	112	461	48	566
Obsessive-compulsive disorders	271	667	718	423	471	607	2 444	261	3 132
Panic disorder	121	299	343	198	226	291	1 108	127	1 514
Sense organ disorders	257	625	61	33	48	839	4 521	24	2 506
Glaucoma	29	71	41	15	22	262	857	16	1 105
Cataracts	227	547	19	17	26	575	3 664	7	1 400
Cardiovascular diseases	4 367	10 399	10 254	8 726	15 010	4 815	42 692	2 584	30 243
Rheumatic heart disease	251	687	80	299	244	362	2 730	21	1 874
Ischaemic heart disease	1 484	3 588	4 757	2 986	7 113	1 732	20 133	721	6 505
Cerebrovascular disease	1 041	2 277	2 857	2 727	5 584	2 041	8 639	1 160	15 982
Inflammatory cardiac disease	381	932	283	557	470	299	3 314	81	1 034
Respiratory diseases	1 047	3 345	2 911	1 461	2 472	3 133	12 409	754	29 456
Chronic obstructive pulmonary disease	460	1 187	1 441	688	1 323	970	5 385	186	22 593
Asthma	324	852	587	370	438	1 008	2 290	242	3 356

Annex Table 4 Burden of disease in disability-adjusted life years (DALYs) by cause, sex and mortality stratum in WHO Regions^a, estimates for 1999

Cause ^b	SEX						AFRICA		THE AMERICAS		
	Both sexes		Males		Females		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
<i>Population (000)</i>	<i>5 961 628</i>		<i>3 002 288</i>		<i>2 959 340</i>		<i>286 350</i>	<i>330 085</i>	<i>318 235</i>	<i>424 932</i>	<i>69 898</i>
	(000)	% total	(000)	% total	(000)	% total	(000)	(000)	(000)	(000)	(000)
Digestive diseases	36 829	2.6	23 809	3.2	13 020	1.9	1 966	2 316	1 023	2 388	740
Peptic ulcer disease	5 061	0.4	3 295	0.4	1 766	0.3	149	198	59	156	40
Cirrhosis of the liver	16 254	1.1	11 300	1.5	4 953	0.7	518	625	474	1 190	453
Appendicitis	1 222	0.1	776	0.1	446	0.1	40	48	16	33	10
Diseases of the genitourinary system	16 085	1.1	9 619	1.3	6 466	0.9	1 208	1 358	392	837	242
Nephritis/nephrosis	10 997	0.8	5 837	0.8	5 159	0.8	749	806	178	479	165
Benign prostatic hypertrophy	2 447	0.2	2 447	0.3	0	0.0	165	194	79	184	26
Skin diseases	855	0.1	495	0.1	359	0.1	177	217	20	45	13
Musculoskeletal diseases	20 918	1.4	7 783	1.0	13 134	1.9	709	806	1 526	2 903	427
Rheumatoid arthritis	4 051	0.3	1 114	0.1	2 937	0.4	70	87	359	573	85
Osteoarthritis	15 820	1.1	6 270	0.8	9 550	1.4	544	605	1 087	2 224	314
Congenital abnormalities	36 557	2.5	19 562	2.6	16 995	2.5	3 180	3 257	633	1 764	438
Oral diseases	4 928	0.3	2 487	0.3	2 440	0.4	172	200	180	846	148
Dental caries	4 622	0.3	2 334	0.3	2 288	0.3	157	182	166	824	146
Periodontal disease	301	0.0	150	0.0	150	0.0	16	18	14	19	3
Edentulism	0	0.0	0	0.0	0	0.0	0	0	0	0	0
III. Injuries	201 307	13.9	132 343	17.5	68 965	10.0	17 389	18 714	4 691	11 107	1 940
Unintentional	152 464	10.6	101 190	13.4	51 275	7.5	11 843	12 683	2 943	6 483	1 320
Road traffic accidents	39 573	2.7	29 416	3.9	10 157	1.5	3 011	3 207	1 612	2 901	429
Poisoning	6 457	0.4	4 132	0.5	2 325	0.3	449	498	270	86	30
Falls	30 950	2.1	20 068	2.7	10 882	1.6	993	1 150	419	1 414	312
Fires	10 483	0.7	4 042	0.5	6 441	0.9	725	540	105	148	32
Drowning	12 987	0.9	8 583	1.1	4 404	0.6	1 356	1 156	108	532	95
Other unintentional injuries	20 573	1.4	14 093	1.9	6 480	0.9	1 436	1 646	360	1 221	294
Intentional	48 843	3.4	31 153	4.1	17 690	2.6	5 545	6 031	1 749	4 624	620
Self-inflicted	25 095	1.7	14 876	2.0	10 220	1.5	1 821	1 961	966	1 006	130
Homicide and violence	15 308	1.1	10 818	1.4	4 490	0.7	1 969	2 170	627	3 000	338
War	8 439	0.6	5 460	0.7	2 980	0.4	1 755	1 900	155	617	151

^a See list of Member States by WHO Region and mortality stratum (pp.204–205).^b Estimates for specific causes may not sum to broader cause groupings due to omission of residual categories.

Cause ^b	EASTERN MEDITERRANEAN		EUROPE			SOUTH-EAST ASIA		WESTERN PACIFIC	
	Mortality stratum		Mortality stratum			Mortality stratum		Mortality stratum	
	Low child, Low adult	High child, high adult	Very low child, very low adult	Low child, low adult	Low child, high adult	Low child, low adult	High child, high adult	Very low child, very low adult	Low child, low adult
<i>Population (000)</i>	136 798	348 468	410 233	215 276	246 336	288 750	1 219 492	152 882	1 513 894
	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)	(000)
Digestive diseases	525	2 355	1 806	1 310	1 843	2 140	9 991	436	7 988
Peptic ulcer disease	15	264	133	121	290	374	1 751	38	1 473
Cirrhosis of the liver	138	834	979	672	888	922	5 132	203	3 227
Appendicitis	2	111	16	18	33	36	760	4	95
Diseases of the genitourinary system	605	1 574	405	694	433	838	4 170	177	3 154
Nephritis/nephrosis	466	1 167	200	507	192	586	3 380	107	2 014
Benign prostatic hypertrophy	55	152	120	52	78	102	523	48	670
Skin diseases	5	72	28	11	35	76	107	5	42
Musculoskeletal diseases	223	580	2 078	1 466	1 898	967	2 159	823	4 353
Rheumatoid arthritis	48	123	502	295	364	108	299	196	943
Osteoarthritis	169	418	1 508	1 151	1 481	777	1 833	599	3 111
Congenital abnormalities	463	5 446	616	646	890	1 171	10 889	210	6 955
Oral diseases	188	489	218	165	180	248	1 077	79	737
Dental caries	183	475	199	154	167	233	970	72	694
Periodontal disease	5	13	17	10	12	16	108	6	43
Edentulism	0	0	0	0	0	0	0	0	0
III. Injuries	2 469	10 745	4 320	4 582	10 421	11 869	53 420	1 667	47 974
Unintentional	2 199	8 260	2 994	3 352	6 548	9 523	46 653	1 086	36 577
Road traffic accidents	881	2 298	1 423	1 355	1 589	4 377	7 460	414	8 615
Poisoning	172	529	140	277	1 396	188	977	21	1 424
Falls	254	1 318	785	624	906	1 515	13 742	201	7 316
Fires	81	688	57	150	271	275	6 806	28	579
Drowning	109	672	78	274	610	486	2 654	68	4 789
Other unintentional injuries	104	1 176	436	571	1 447	735	5 408	143	5 595
Intentional	270	2 484	1 326	1 230	3 873	2 346	6 768	581	11 397
Self-inflicted	206	868	1 089	599	2 200	1 207	4 123	513	8 407
Homicide and violence	27	688	182	217	1 240	413	1 771	62	2 601
War	37	928	55	414	432	726	874	6	389

Annex Table 5 Health attainment, level and distribution in all Member States, estimates for 1997 and 1999

Rank	Member State	LEVEL ^a								
		Disability-adjusted life expectancy (years)								
		Total population	Males				Females			
At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval		
1	Japan	74.5	71.9	71.6 - 72.3	17.5	17.3 - 18.1	77.2	76.9 - 78.0	21.6	21.3 - 22.4
2	Australia	73.2	70.8	70.5 - 71.3	16.8	16.6 - 17.3	75.5	75.2 - 76.2	20.2	19.9 - 20.9
3	France	73.1	69.3	69.0 - 69.7	16.8	16.5 - 17.4	76.9	76.5 - 77.8	21.7	21.4 - 22.7
4	Sweden	73.0	71.2	70.9 - 71.8	16.8	16.5 - 17.3	74.9	74.4 - 75.7	19.6	19.4 - 20.5
5	Spain	72.8	69.8	69.1 - 70.6	16.8	16.4 - 17.6	75.7	75.3 - 76.6	20.1	19.8 - 21.0
6	Italy	72.7	70.0	69.7 - 70.5	16.2	16.0 - 16.8	75.4	75.0 - 76.2	19.9	19.6 - 20.7
7	Greece	72.5	70.5	70.2 - 70.9	16.9	16.6 - 17.3	74.6	74.2 - 75.2	18.8	18.6 - 19.5
8	Switzerland	72.5	69.5	69.0 - 70.2	16.0	15.7 - 16.7	75.5	75.0 - 76.5	20.6	20.3 - 21.6
9	Monaco	72.4	68.5	67.5 - 69.6	16.4	15.9 - 17.2	76.3	75.6 - 77.3	21.5	21.1 - 22.5
10	Andorra	72.3	69.3	68.6 - 70.2	16.3	15.9 - 17.0	75.2	74.6 - 76.2	20.0	19.6 - 20.9
11	San Marino	72.3	69.5	68.6 - 70.5	15.7	15.3 - 16.5	75.0	74.4 - 76.0	19.6	19.2 - 20.5
12	Canada	72.0	70.0	69.7 - 70.5	16.0	15.8 - 16.6	74.0	73.6 - 74.9	18.9	18.6 - 19.8
13	Netherlands	72.0	69.6	69.3 - 70.1	15.4	15.3 - 16.0	74.4	74.0 - 75.3	19.7	19.4 - 20.6
14	United Kingdom	71.7	69.7	69.4 - 70.1	15.7	15.5 - 16.2	73.7	73.5 - 74.4	18.6	18.3 - 19.2
15	Norway	71.7	68.8	68.5 - 69.3	15.1	15.0 - 15.7	74.6	74.2 - 75.3	19.7	19.4 - 20.6
16	Belgium	71.6	68.7	68.4 - 69.2	15.8	15.6 - 16.4	74.6	74.2 - 75.3	19.6	19.3 - 20.4
17	Austria	71.6	68.8	68.4 - 69.4	15.2	15.0 - 15.8	74.4	74.1 - 75.1	18.7	18.4 - 19.4
18	Luxembourg	71.1	68.0	67.6 - 68.7	15.8	15.2 - 16.8	74.2	73.7 - 75.2	19.7	19.0 - 21.0
19	Iceland	70.8	69.2	68.6 - 70.1	14.9	14.2 - 15.9	72.3	71.7 - 73.4	17.0	16.4 - 18.3
20	Finland	70.5	67.2	66.9 - 67.7	14.5	14.2 - 15.0	73.7	73.4 - 74.4	18.5	18.3 - 19.3
21	Malta	70.5	68.4	67.9 - 69.2	14.8	14.5 - 15.6	72.5	72.0 - 73.4	17.3	17.0 - 18.2
22	Germany	70.4	67.4	67.1 - 67.9	14.3	14.1 - 14.9	73.5	73.2 - 74.1	18.5	18.2 - 19.1
23	Israel	70.4	69.2	68.9 - 69.7	15.6	15.3 - 16.3	71.6	71.2 - 72.4	16.9	16.7 - 17.8
24	United States of America	70.0	67.5	67.0 - 68.1	15.0	14.7 - 15.7	72.6	72.2 - 73.3	18.4	18.1 - 19.2
25	Cyprus	69.8	68.7	68.2 - 69.4	15.9	15.6 - 16.6	70.9	70.4 - 71.7	17.3	17.0 - 18.1
26	Dominica	69.8	67.2	66.2 - 68.2	15.0	14.3 - 15.6	72.3	71.0 - 73.4	17.9	17.2 - 18.7
27	Ireland	69.6	67.5	67.0 - 68.2	13.9	13.6 - 14.6	71.7	71.2 - 72.5	16.6	16.3 - 17.4
28	Denmark	69.4	67.2	66.8 - 67.9	14.2	13.9 - 14.8	71.5	71.2 - 72.2	17.2	16.9 - 18.0
29	Portugal	69.3	65.9	65.6 - 66.6	14.0	13.7 - 14.6	72.7	72.4 - 73.4	17.7	17.3 - 18.5
30	Singapore	69.3	67.4	66.9 - 68.2	14.4	14.1 - 15.2	71.2	70.7 - 72.2	16.8	16.5 - 17.8
31	New Zealand	69.2	67.1	66.8 - 67.6	14.4	14.1 - 15.0	71.2	70.8 - 72.0	17.0	16.8 - 17.9
32	Chile	68.6	66.0	65.2 - 67.0	14.3	13.6 - 15.3	71.3	70.9 - 72.2	17.8	17.3 - 18.8
33	Cuba	68.4	67.4	66.8 - 68.1	15.4	14.9 - 16.1	69.4	68.9 - 70.3	16.1	15.8 - 16.9
34	Slovenia	68.4	64.9	64.6 - 65.4	12.7	12.6 - 13.4	71.9	71.5 - 72.6	16.8	16.5 - 17.6
35	Czech Republic	68.0	65.2	64.9 - 65.7	12.7	12.6 - 13.2	70.8	70.5 - 71.5	16.4	16.2 - 17.1
36	Jamaica	67.3	66.8	65.5 - 68.0	18.9	18.1 - 19.7	67.9	66.5 - 69.3	18.2	17.3 - 19.1
37	Uruguay	67.0	64.1	63.1 - 65.0	15.3	14.8 - 15.8	69.9	68.8 - 71.0	18.3	17.6 - 19.0
38	Croatia	67.0	63.3	63.1 - 63.8	11.4	11.3 - 11.9	70.6	70.3 - 71.3	16.0	15.8 - 16.7
39	Argentina	66.7	63.8	63.5 - 64.3	14.7	14.4 - 15.3	69.6	69.2 - 70.3	18.1	17.8 - 19.0
40	Costa Rica	66.7	65.2	64.6 - 66.0	14.2	13.9 - 15.0	68.1	67.5 - 69.1	16.6	16.2 - 17.6
41	Armenia	66.7	65.0	64.4 - 65.9	14.5	14.2 - 15.5	68.3	67.6 - 69.3	15.5	15.1 - 16.5
42	Slovakia	66.6	63.5	63.2 - 64.0	12.7	12.6 - 13.1	69.7	69.4 - 70.3	16.0	15.9 - 16.7
43	Saint Vincent and the Grenadines	66.4	65.0	63.8 - 66.2	15.9	15.2 - 16.7	67.8	66.4 - 69.0	16.7	15.9 - 17.5
44	Georgia	66.3	63.1	62.2 - 64.0	13.8	13.5 - 14.6	69.4	68.7 - 70.3	16.6	16.2 - 17.4
45	Poland	66.2	62.3	61.6 - 63.0	12.5	12.1 - 13.1	70.1	69.7 - 70.7	16.6	16.4 - 17.3
46	Yugoslavia	66.1	64.2	63.1 - 65.3	15.1	14.4 - 15.7	68.1	66.9 - 69.2	17.5	16.8 - 18.1
47	Panama	66.0	64.9	63.6 - 66.1	17.3	16.4 - 18.1	67.2	65.9 - 68.5	17.4	16.5 - 18.3
48	Antigua and Barbuda	65.8	63.4	62.0 - 64.6	14.4	13.7 - 15.2	68.3	66.9 - 69.6	16.8	15.9 - 17.6
49	Grenada	65.5	62.4	61.1 - 63.6	14.1	13.5 - 14.8	68.5	67.2 - 69.7	16.9	16.2 - 17.7
50	United Arab Emirates	65.4	65.0	64.0 - 65.9	11.7	10.9 - 12.5	65.8	64.6 - 67.0	12.6	11.8 - 13.5
51	Republic of Korea	65.0	62.3	61.6 - 63.1	12.1	11.6 - 12.7	67.7	66.7 - 68.7	15.2	14.5 - 15.8
52	Venezuela, Bolivarian Republic of	65.0	62.9	62.4 - 63.6	13.4	13.1 - 14.2	67.1	66.5 - 68.1	15.7	15.2 - 16.7
53	Barbados	65.0	62.4	61.2 - 63.8	14.5	13.8 - 15.8	67.6	66.9 - 68.7	16.6	15.8 - 17.9

				DISTRIBUTION ^b			
Expectation of disability at birth (years)		Percentage of lifespan lived with disability		Equality of child survival ^c			
Males	Females	Males	Females	Rank	Member State	Index	Uncertainty interval
5.7	7.1	7.3	8.4	1	Chile	0.999	0.999 - 0.999
6.0	6.7	7.8	8.1	2	United Kingdom	0.999	0.999 - 0.999
5.6	6.7	7.5	8.0	3	Japan	0.999	0.999 - 0.999
5.9	7.0	7.7	8.5	4	Norway	0.999	0.999 - 0.999
5.5	6.4	7.3	7.7	5	Poland	0.999	0.999 - 0.999
5.4	6.7	7.1	8.2	6	Greece	0.979	0.962 - 0.996
5.0	5.9	6.7	7.4	7	Israel	0.979	0.961 - 0.996
6.1	7.5	8.1	9.1	8	Austria	0.978	0.959 - 0.996
6.2	7.3	8.3	8.7	9	San Marino	0.978	0.961 - 0.995
6.1	7.0	8.0	8.5	10	Switzerland	0.978	0.959 - 0.996
5.8	7.0	7.7	8.6	11	Spain	0.978	0.960 - 0.996
6.2	7.8	8.1	9.6	12	France	0.978	0.961 - 0.996
5.4	6.7	7.2	8.2	13	Ireland	0.978	0.960 - 0.995
5.0	6.0	6.7	7.5	14	Italy	0.978	0.960 - 0.996
6.3	7.6	8.4	9.2	15	Netherlands	0.978	0.960 - 0.995
5.8	6.7	7.8	8.2	16	New Zealand	0.978	0.961 - 0.996
5.6	6.0	7.5	7.4	17	Australia	0.977	0.959 - 0.996
6.5	7.2	8.7	8.8	18	Canada	0.977	0.959 - 0.995
6.8	8.1	9.0	10.0	19	Czech Republic	0.977	0.958 - 0.995
6.2	7.0	8.4	8.6	20	Germany	0.977	0.959 - 0.995
7.3	8.3	9.6	10.3	21	Denmark	0.977	0.958 - 0.996
6.3	6.6	8.6	8.3	22	Luxembourg	0.977	0.958 - 0.995
7.1	8.3	9.3	10.4	23	Slovenia	0.977	0.958 - 0.995
6.3	7.0	8.6	8.8	24	Iceland	0.976	0.954 - 0.996
6.1	7.9	8.2	10.0	25	Andorra	0.975	0.953 - 0.996
6.8	8.0	9.2	10.0	26	Belgium	0.975	0.956 - 0.994
5.8	6.6	8.0	8.4	27	Finland	0.975	0.952 - 0.996
5.7	6.6	7.9	8.4	28	Sweden	0.975	0.953 - 0.996
6.1	6.8	8.4	8.6	29	Singapore	0.971	0.946 - 0.995
7.7	9.6	10.2	11.8	30	Monaco	0.970	0.946 - 0.994
6.8	8.1	9.2	10.2	31	Cyprus	0.968	0.944 - 0.993
7.4	8.6	10.1	10.8	32	United States of America	0.966	0.950 - 0.983
6.2	8.0	8.4	10.3	33	Croatia	0.962	0.932 - 0.992
6.7	7.6	9.4	9.6	34	Portugal	0.959	0.928 - 0.993
6.3	7.5	8.8	9.5	35	Dominica	0.953	0.917 - 0.990
8.4	9.5	11.2	12.3	36	Barbados	0.947	0.906 - 0.988
6.4	7.9	9.1	10.2	37	Republic of Korea	0.947	0.906 - 0.989
6.0	6.6	8.7	8.6	38	Malta	0.946	0.903 - 0.989
6.8	8.2	9.6	10.6	39	Slovakia	0.945	0.902 - 0.988
9.0	10.8	12.1	13.7	40	Hungary	0.941	0.894 - 0.987
7.3	8.8	10.1	11.4	41	Cuba	0.938	0.890 - 0.987
5.4	7.0	7.8	9.1	42	Brunei Darussalam	0.936	0.886 - 0.986
6.8	7.4	9.5	9.8	43	Estonia	0.934	0.883 - 0.985
6.3	7.3	9.1	9.5	44	Colombia	0.912	0.873 - 0.952
5.6	6.5	8.2	8.5	45	Costa Rica	0.906	0.835 - 0.979
7.6	8.2	10.6	10.8	46	Belarus	0.905	0.834 - 0.979
7.8	8.6	10.7	11.4	47	Ukraine	0.905	0.833 - 0.979
8.0	8.5	11.2	11.1	48	Lithuania	0.903	0.830 - 0.978
6.7	7.4	9.7	9.7	49	Malaysia	0.901	0.825 - 0.978
7.3	9.8	10.0	13.0	50	Philippines	0.892	0.856 - 0.928
6.4	8.3	9.3	10.9	51	Nauru	0.884	0.797 - 0.972
8.1	9.0	11.4	11.8	52	Kazakhstan	0.880	0.877 - 0.989
10.3	10.2	14.2	13.1	53	Bulgaria	0.877	0.786 - 0.970

Annex Table 5 Health attainment, level and distribution in all Member States, estimates for 1997 and 1999

Rank	Member State	LEVEL ^a										
		Disability-adjusted life expectancy (years)										
		Total population	Males					Females				
			At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval	
54	Saint Lucia	65.0	62.4	61.1 - 63.6	14.1	13.5 - 14.8	67.6	66.4 - 68.7	15.8	15.2 - 16.5		
55	Mexico	65.0	62.4	61.6 - 63.3	14.7	14.4 - 15.6	67.6	67.1 - 68.5	16.8	16.4 - 17.9		
56	Bosnia and Herzegovina	64.9	63.4	62.3 - 64.5	13.3	12.7 - 14.1	66.4	65.2 - 67.5	15.3	14.5 - 15.9		
57	Trinidad and Tobago	64.6	62.8	62.2 - 63.5	12.0	11.8 - 12.6	66.4	65.9 - 67.1	13.9	13.7 - 14.6		
58	Saudi Arabia	64.5	65.1	64.3 - 65.9	12.7	12.1 - 13.4	64.0	62.6 - 65.2	12.8	12.2 - 13.5		
59	Brunei Darussalam	64.4	63.4	63.0 - 64.5	12.4	12.0 - 13.6	65.4	64.7 - 66.9	12.6	11.9 - 14.4		
60	Bulgaria	64.4	61.2	60.8 - 61.6	12.2	12.0 - 12.7	67.7	67.4 - 68.3	15.1	14.8 - 15.7		
61	Bahrain	64.4	63.9	63.0 - 64.8	11.6	11.0 - 12.3	64.9	63.8 - 66.0	12.6	11.8 - 13.3		
62	Hungary	64.1	60.4	59.6 - 61.2	11.7	11.4 - 12.3	67.9	67.5 - 68.5	15.5	15.3 - 16.3		
63	Lithuania	64.1	60.6	59.7 - 61.6	13.4	13.1 - 14.2	67.5	66.9 - 68.3	16.2	15.9 - 17.0		
64	The former Yugoslav Republic of Macedonia	63.7	61.8	61.2 - 62.6	11.7	11.4 - 12.5	65.6	65.1 - 66.5	13.5	13.2 - 14.3		
65	Azerbaijan	63.7	60.6	59.9 - 61.4	12.7	12.4 - 13.5	66.7	66.1 - 67.7	15.7	15.4 - 16.7		
66	Qatar	63.5	64.2	63.4 - 65.1	10.8	10.1 - 11.4	62.8	61.2 - 64.3	10.2	8.9 - 11.3		
67	Cook Islands	63.4	62.2	61.0 - 63.4	12.2	11.5 - 12.8	64.5	63.1 - 65.9	13.7	13.0 - 14.5		
68	Kuwait	63.2	63.0	61.6 - 64.3	11.1	10.2 - 12.0	63.4	61.6 - 65.1	11.8	10.6 - 12.9		
69	Estonia	63.1	58.1	57.3 - 59.0	11.2	10.9 - 11.9	68.1	67.4 - 69.0	15.8	15.5 - 16.6		
70	Ukraine	63.0	58.5	58.1 - 59.0	11.5	11.4 - 12.0	67.5	67.1 - 68.0	15.5	15.3 - 16.1		
71	Paraguay	63.0	60.7	59.2 - 62.0	14.2	13.3 - 15.1	65.3	63.9 - 66.7	16.0	15.1 - 17.0		
72	Oman	63.0	61.8	60.8 - 62.8	10.6	9.9 - 11.3	64.1	62.8 - 65.3	12.1	11.2 - 12.8		
73	Turkey	62.9	64.0	62.9 - 65.0	16.2	15.5 - 16.8	61.8	60.6 - 63.0	15.2	14.6 - 15.9		
74	Colombia	62.9	60.3	59.2 - 61.5	13.5	12.7 - 14.2	65.5	64.2 - 66.7	15.4	14.6 - 16.2		
75	Tonga	62.9	61.4	60.2 - 62.6	11.5	10.9 - 12.2	64.3	62.9 - 65.6	13.3	12.6 - 14.1		
76	Sri Lanka	62.8	59.3	58.3 - 60.3	12.7	12.1 - 13.4	66.3	65.2 - 67.4	16.0	15.4 - 16.7		
77	Suriname	62.7	60.2	58.9 - 61.4	14.4	13.8 - 15.2	65.2	64.0 - 66.5	15.5	14.6 - 16.3		
78	Mauritius	62.7	59.0	57.9 - 60.2	10.2	9.8 - 11.2	66.3	65.7 - 67.3	13.5	13.2 - 14.4		
79	Dominican Republic	62.5	62.1	60.7 - 63.6	17.1	16.1 - 18.2	62.9	61.8 - 63.7	16.1	15.2 - 16.8		
80	Romania	62.3	58.8	58.4 - 59.2	12.0	11.8 - 12.6	65.8	65.4 - 66.5	14.6	14.3 - 15.3		
81	China	62.3	61.2	60.7 - 62.0	11.6	11.3 - 12.3	63.3	62.8 - 64.2	13.5	13.2 - 14.4		
82	Latvia	62.2	57.1	55.9 - 58.2	11.4	11.0 - 12.2	67.2	66.4 - 68.2	15.9	15.5 - 16.7		
83	Belarus	61.7	56.2	55.4 - 57.1	10.1	9.8 - 10.8	67.2	66.7 - 68.0	15.1	14.8 - 15.9		
84	Algeria	61.6	62.5	61.4 - 63.5	12.9	12.3 - 13.6	60.7	59.4 - 62.0	12.0	11.3 - 12.6		
85	Niue	61.6	61.0	59.2 - 62.6	12.2	11.7 - 13.3	62.2	60.4 - 63.8	13.2	12.7 - 15.2		
86	Saint Kitts and Nevis	61.6	58.7	57.4 - 59.9	12.8	12.2 - 13.3	64.4	63.2 - 65.6	14.3	13.7 - 15.0		
87	El Salvador	61.5	58.6	57.4 - 59.7	13.9	13.1 - 14.6	64.5	63.2 - 65.7	15.8	14.9 - 16.6		
88	Republic of Moldova	61.5	58.5	58.0 - 59.0	10.7	10.6 - 11.2	64.5	64.0 - 65.2	13.0	12.8 - 13.7		
89	Malaysia	61.4	61.3	60.2 - 62.1	9.7	9.2 - 10.2	61.6	60.5 - 62.7	9.7	9.1 - 10.3		
90	Tunisia	61.4	62.0	61.2 - 62.9	11.2	10.8 - 11.7	60.7	59.7 - 61.8	10.3	9.8 - 10.8		
91	Russian Federation	61.3	56.1	55.4 - 56.9	10.5	10.3 - 11.2	66.4	65.8 - 67.2	14.9	14.6 - 15.7		
92	Honduras	61.1	60.0	58.8 - 61.2	15.0	14.2 - 15.7	62.3	61.1 - 63.5	14.4	13.5 - 15.1		
93	Ecuador	61.0	59.9	58.9 - 60.9	12.6	11.9 - 13.2	62.1	61.1 - 63.3	12.9	12.3 - 13.7		
94	Belize	60.9	58.5	56.9 - 60.1	13.6	12.7 - 14.4	63.3	61.5 - 65.0	15.2	14.3 - 16.2		
95	Lebanon	60.6	61.2	60.2 - 62.2	10.1	9.6 - 10.6	60.1	58.8 - 61.2	9.2	8.7 - 9.7		
96	Iran, Islamic Republic of	60.5	61.3	60.2 - 62.3	11.9	11.3 - 12.5	59.8	58.6 - 61.1	10.9	10.2 - 11.6		
97	Samoa	60.5	58.7	57.5 - 59.8	9.5	9.0 - 10.1	62.3	60.9 - 63.6	12.3	11.7 - 13.0		
98	Guyana	60.2	57.1	55.8 - 58.6	15.4	14.5 - 16.4	63.3	61.9 - 64.7	16.8	15.8 - 17.8		
99	Thailand	60.2	58.4	57.1 - 59.6	13.7	12.9 - 14.5	62.1	60.9 - 63.3	13.9	13.1 - 14.7		
100	Uzbekistan	60.2	58.0	57.4 - 58.8	11.5	11.3 - 12.2	62.3	61.6 - 63.1	13.4	13.1 - 14.3		
101	Jordan	60.0	60.7	59.8 - 61.5	9.5	9.1 - 10.0	59.3	58.2 - 60.4	8.9	8.5 - 9.4		
102	Albania	60.0	56.5	55.8 - 57.4	10.1	9.9 - 10.9	63.4	62.7 - 64.4	13.9	13.6 - 14.7		
103	Indonesia	59.7	58.8	57.5 - 60.1	16.3	15.3 - 17.2	60.6	59.3 - 61.8	15.8	15.0 - 16.6		
104	Micronesia, Federated States of	59.6	58.7	57.2 - 60.0	11.1	10.4 - 11.8	60.6	59.0 - 62.0	11.5	10.7 - 12.4		
105	Peru	59.4	58.0	56.9 - 59.0	12.3	11.7 - 13.0	60.8	59.6 - 62.0	13.1	12.3 - 13.9		
106	Fiji	59.4	57.7	56.1 - 59.1	8.3	8.0 - 9.1	61.1	59.8 - 62.3	9.8	9.5 - 10.8		
107	Libyan Arab Jamahiriya	59.3	59.7	58.7 - 60.7	9.7	9.2 - 10.2	58.9	57.6 - 60.2	9.3	8.7 - 10.0		

				DISTRIBUTION ^b			
Expectation of disability at birth (years)		Percentage of lifespan lived with disability		Equality of child survival ^c			
Males	Females	Males	Females	Rank	Member State	Index	Uncertainty interval
6.5	7.3	9.4	9.8	54	Kuwait	0.876	0.784 - 0.971
8.6	9.6	12.2	12.4	55	Qatar	0.874	0.781 - 0.969
7.9	8.6	11.0	11.5	56	Latvia	0.872	0.776 - 0.967
5.9	7.0	8.5	9.5	57	Paraguay	0.871	0.821 - 0.917
5.8	8.7	8.2	12.0	58	Antigua and Barbuda	0.861	0.759 - 0.963
10.9	14.3	14.6	18.0	59	Oman	0.861	0.757 - 0.964
6.3	7.1	9.3	9.4	60	Argentina	0.859	0.756 - 0.962
6.8	8.7	9.7	11.8	61	Georgia	0.859	0.755 - 0.963
5.9	7.2	9.0	9.6	62	United Arab Emirates	0.858	0.749 - 0.964
6.4	10.4	9.5	13.3	63	Armenia	0.858	0.756 - 0.962
8.0	8.5	11.4	11.5	64	Republic of Moldova	0.858	0.757 - 0.962
7.2	8.6	10.6	11.4	65	Mexico	0.858	0.810 - 0.906
7.4	11.8	10.3	15.8	66	Palau	0.858	0.755 - 0.962
7.0	8.8	10.1	12.0	67	Bahamas	0.857	0.753 - 0.961
8.9	11.9	12.4	15.8	68	Uruguay	0.856	0.730 - 0.969
6.3	7.2	9.8	9.5	69	Russian Federation	0.852	0.746 - 0.960
5.8	6.9	9.1	9.3	70	Saudi Arabia	0.847	0.736 - 0.958
8.9	8.8	12.9	11.8	71	Fiji	0.846	0.737 - 0.957
8.6	9.7	12.2	13.1	72	Bahrain	0.845	0.734 - 0.956
5.7	8.1	8.2	11.6	73	Seychelles	0.845	0.734 - 0.957
7.8	8.6	11.5	11.6	74	Thailand	0.845	0.786 - 0.908
6.8	8.6	10.0	11.8	75	Trinidad and Tobago	0.844	0.774 - 0.915
6.5	7.1	9.9	9.7	76	Venezuela, Bolivarian Republic of	0.840	0.726 - 0.953
7.9	8.3	11.6	11.3	77	Mauritius	0.837	0.723 - 0.952
7.7	7.7	11.6	10.4	78	Romania	0.837	0.722 - 0.953
9.2	9.9	12.9	13.6	79	Bosnia and Herzegovina	0.834	0.720 - 0.950
6.4	7.6	9.8	10.4	80	Sri Lanka	0.833	0.716 - 0.949
6.9	8.0	10.2	11.2	81	Samoa	0.830	0.710 - 0.948
6.5	7.4	10.2	9.9	82	Grenada	0.829	0.711 - 0.949
6.2	7.3	9.9	9.9	83	Jordan	0.824	0.704 - 0.945
5.7	8.1	8.4	11.7	84	Tonga	0.823	0.702 - 0.946
7.3	8.7	10.7	12.2	85	The former Yugoslav Republic of Macedonia	0.821	0.700 - 0.944
6.3	6.8	9.7	9.5	86	Saint Lucia	0.818	0.696 - 0.940
8.3	8.5	12.4	11.6	87	Jamaica	0.811	0.686 - 0.936
6.3	7.4	9.7	10.3	88	Lebanon	0.810	0.685 - 0.938
6.3	8.3	9.4	11.9	89	Saint Vincent and the Grenadines	0.808	0.682 - 0.934
5.0	7.2	7.4	10.6	90	Yugoslavia	0.807	0.682 - 0.936
6.6	7.6	10.5	10.3	91	Saint Kitts and Nevis	0.806	0.679 - 0.935
8.2	8.5	12.0	12.0	92	Cook Islands	0.805	0.662 - 0.942
7.5	8.2	11.1	11.6	93	Panama	0.804	0.675 - 0.936
11.1	11.6	15.9	15.5	94	Suriname	0.798	0.668 - 0.929
5.1	7.2	7.7	10.7	95	Belize	0.796	0.665 - 0.927
5.5	8.1	8.2	11.9	96	Nicaragua	0.796	0.755 - 0.839
6.7	8.4	10.2	11.9	97	Dominican Republic	0.789	0.723 - 0.854
8.4	8.9	12.9	12.3	98	Zimbabwe	0.785	0.718 - 0.856
7.6	8.3	11.6	11.8	99	Azerbaijan	0.784	0.649 - 0.920
7.7	8.9	11.7	12.6	100	Niue	0.783	0.649 - 0.921
5.6	8.2	8.4	12.1	101	China	0.782	0.648 - 0.918
8.6	9.3	13.3	12.8	102	Libyan Arab Jamahiriya	0.782	0.647 - 0.919
7.8	8.4	11.7	12.2	103	Peru	0.779	0.745 - 0.812
7.8	9.5	11.7	13.5	104	Viet Nam	0.779	0.643 - 0.918
7.6	8.2	11.6	11.9	105	Senegal	0.773	0.713 - 0.831
6.3	8.1	9.8	11.7	106	Guatemala	0.764	0.716 - 0.813
5.3	8.1	8.2	12.1	107	Syrian Arab Republic	0.764	0.624 - 0.905

Annex Table 5 Health attainment, level and distribution in all Member States, estimates for 1997 and 1999

Rank	Member State	LEVEL ^a								
		Disability-adjusted life expectancy (years)								
		Total population	Males				Females			
At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval		
108	Seychelles	59.3	56.4	55.7 - 57.3	8.6	8.3 - 9.4	62.1	61.5 - 63.0	11.7	11.4 - 12.4
109	Bahamas	59.1	56.7	55.1 - 58.1	11.3	10.5 - 12.1	61.6	59.9 - 63.4	13.0	12.0 - 14.0
110	Morocco	59.1	58.7	57.9 - 59.6	11.5	11.0 - 12.0	59.4	58.4 - 60.4	11.4	10.8 - 12.0
111	Brazil	59.1	55.2	54.4 - 56.1	11.8	11.5 - 12.7	62.9	62.2 - 63.9	14.8	14.4 - 15.8
112	Palau	59.0	57.4	56.1 - 58.5	8.0	7.5 - 8.5	60.7	59.2 - 61.9	9.7	9.1 - 10.4
113	Philippines	58.9	57.1	56.0 - 58.1	10.3	9.7 - 10.9	60.7	59.4 - 61.9	12.4	11.6 - 13.1
114	Syrian Arab Republic	58.8	58.8	57.7 - 59.9	9.7	9.2 - 10.2	58.9	57.6 - 60.2	10.0	9.4 - 10.6
115	Egypt	58.5	58.6	57.7 - 59.5	11.8	11.2 - 12.2	58.3	57.1 - 59.6	11.7	11.1 - 12.4
116	Viet Nam	58.2	56.7	55.6 - 57.9	9.7	9.1 - 10.4	59.6	58.4 - 60.9	10.8	10.1 - 11.5
117	Nicaragua	58.1	56.4	55.3 - 57.4	11.1	10.4 - 11.8	59.9	58.7 - 61.1	12.5	11.7 - 13.2
118	Cape Verde	57.6	54.6	53.0 - 56.2	11.4	10.6 - 12.3	60.6	58.8 - 62.4	15.3	14.2 - 16.4
119	Tuvalu	57.4	57.1	55.7 - 58.3	10.3	9.7 - 10.9	57.6	56.2 - 58.8	9.4	8.8 - 10.0
120	Tajikistan	57.3	55.1	53.5 - 56.5	12.3	11.4 - 13.2	59.4	57.9 - 60.9	15.6	14.7 - 16.4
121	Marshall Islands	56.8	56.0	54.4 - 57.4	10.7	10.0 - 11.4	57.6	55.9 - 59.0	11.1	10.3 - 12.0
122	Kazakhstan	56.4	51.5	50.9 - 52.2	8.8	8.7 - 9.5	61.2	60.8 - 62.0	13.1	12.8 - 13.9
123	Kyrgyzstan	56.3	53.4	52.6 - 54.2	9.6	9.4 - 10.4	59.1	58.3 - 60.1	12.4	12.1 - 13.3
124	Pakistan	55.9	55.0	53.8 - 56.3	11.3	10.5 - 12.1	56.8	54.6 - 57.9	12.6	11.9 - 13.2
125	Kiribati	55.3	53.9	52.4 - 55.3	9.4	8.7 - 10.1	56.6	55.0 - 58.0	11.0	10.3 - 11.7
126	Iraq	55.3	55.4	54.4 - 56.4	9.2	8.7 - 9.8	55.1	53.9 - 56.2	8.2	7.6 - 8.8
127	Solomon Islands	54.9	54.5	53.0 - 55.8	8.8	8.2 - 9.5	55.3	53.7 - 56.7	9.2	8.6 - 9.9
128	Turkmenistan	54.3	51.9	50.6 - 53.3	9.0	8.7 - 10.0	56.7	55.3 - 58.0	10.9	10.6 - 11.8
129	Guatemala	54.3	52.1	51.1 - 53.1	9.1	8.6 - 9.8	56.4	55.4 - 57.5	10.1	9.5 - 10.7
130	Maldives	53.9	54.4	53.0 - 55.9	12.1	11.3 - 13.0	53.3	51.8 - 54.7	11.5	10.8 - 12.2
131	Mongolia	53.8	51.3	49.7 - 52.7	11.8	11.0 - 14.4	56.3	54.7 - 57.7	14.3	13.4 - 15.1
132	Sao Tome and Principe	53.5	52.1	51.1 - 53.3	11.4	11.1 - 12.5	54.8	53.8 - 55.8	11.7	11.4 - 12.6
133	Bolivia	53.3	52.5	51.3 - 53.7	11.6	10.9 - 12.3	54.1	52.8 - 55.2	11.2	10.6 - 11.9
134	India	53.2	52.8	52.1 - 53.5	10.6	10.4 - 11.3	53.5	52.8 - 54.3	12.1	11.8 - 12.8
135	Vanuatu	52.8	51.3	49.8 - 52.7	8.0	7.4 - 8.6	54.4	52.8 - 55.8	9.2	8.5 - 9.8
136	Nauru	52.5	49.8	48.7 - 50.9	3.6	3.1 - 4.0	55.1	53.8 - 56.2	5.9	5.4 - 6.4
137	Democratic People's Republic of Korea	52.3	51.4	49.8 - 53.1	9.6	8.7 - 10.6	53.1	51.3 - 55.0	11.6	10.7 - 12.6
138	Bhutan	51.8	51.4	50.0 - 52.7	11.4	10.7 - 12.0	52.2	50.7 - 53.6	12.6	12.0 - 13.3
139	Myanmar	51.6	51.4	50.0 - 52.6	12.5	11.7 - 13.3	51.9	50.5 - 53.2	12.3	11.6 - 12.9
140	Bangladesh	49.9	50.1	48.7 - 51.3	9.9	9.2 - 10.5	49.8	48.3 - 51.2	10.5	9.8 - 11.1
141	Yemen	49.7	49.7	48.1 - 51.1	8.5	7.9 - 9.2	49.7	48.2 - 51.1	8.2	7.5 - 8.8
142	Nepal	49.5	49.4	48.1 - 50.7	10.3	9.6 - 10.9	49.5	48.2 - 50.9	10.0	9.4 - 10.7
143	Gambia	48.3	47.2	46.3 - 48.2	9.9	9.3 - 10.6	49.4	48.4 - 50.4	11.7	11.2 - 12.4
144	Gabon	47.8	46.6	45.4 - 47.6	10.3	9.8 - 10.8	49.0	47.8 - 50.1	12.3	11.8 - 12.8
145	Papua New Guinea	47.0	45.5	44.3 - 46.8	8.2	7.5 - 8.9	48.5	47.1 - 49.8	8.7	8.0 - 9.4
146	Comoros	46.8	46.1	45.1 - 47.1	8.9	8.3 - 9.6	47.5	46.5 - 48.5	9.8	9.4 - 10.4
147	Lao People's Democratic Republic	46.1	45.0	43.5 - 46.5	8.9	8.0 - 9.7	47.1	45.5 - 48.6	8.8	7.9 - 9.6
148	Cambodia	45.7	43.9	42.6 - 45.1	7.4	6.6 - 8.2	47.5	46.1 - 48.9	9.3	8.7 - 10.0
149	Ghana	45.5	45.0	43.8 - 46.2	9.9	9.3 - 10.6	46.0	44.8 - 47.2	10.2	9.6 - 10.8
150	Congo	45.1	44.3	43.1 - 45.5	10.7	10.0 - 11.3	45.9	44.6 - 47.1	12.8	12.2 - 13.4
151	Senegal	44.6	43.5	42.5 - 44.5	8.8	8.1 - 9.5	45.6	44.6 - 46.7	11.3	10.6 - 11.9
152	Equatorial Guinea	44.1	42.8	41.7 - 43.9	9.4	8.9 - 10	45.4	44.4 - 46.6	11.0	10.5 - 11.7
153	Haiti	43.8	42.4	41.0 - 43.6	7.4	6.8 - 8.0	45.2	43.7 - 46.7	8.0	7.3 - 8.7
154	Sudan	43.0	42.6	41.2 - 43.7	5.6	5.1 - 6.0	43.5	42.1 - 44.6	6.0	5.6 - 6.5
155	Côte d'Ivoire	42.8	42.2	41.2 - 43.3	11.9	11.5 - 12.5	43.3	42.3 - 44.4	12.7	12.2 - 13.2
156	Cameroon	42.2	41.5	40.4 - 42.5	9.6	9.0 - 10.2	43.0	41.8 - 44.2	11.9	11.3 - 12.5
157	Benin	42.2	41.9	40.9 - 42.9	9.6	9.0 - 10.3	42.6	41.5 - 43.6	10.6	9.9 - 11.2
158	Mauritania	41.4	40.2	39.2 - 41.2	9.2	8.6 - 9.9	42.5	41.5 - 43.5	11.0	10.3 - 11.7
159	Togo	40.7	40.0	38.8 - 41.3	9.5	8.8 - 10.1	41.4	40.1 - 42.6	11.0	10.5 - 11.6
160	South Africa	39.8	38.6	37.7 - 39.5	6.8	6.4 - 7.3	41.0	39.9 - 42.1	9.3	8.9 - 9.8

				DISTRIBUTION ^b			
Expectation of disability at birth (years)		Percentage of lifespan lived with disability		Equality of child survival ^c			
Males	Females	Males	Females	Rank	Member State	Index	Uncertainty interval
8.4	8.4	13.0	11.9	108	Brazil	0.762	0.702 - 0.823
10.3	12.0	15.4	16.3	109	Turkey	0.759	0.616 - 0.902
6.4	7.4	9.8	11.0	110	Algeria	0.753	0.607 - 0.897
8.5	8.8	13.3	12.3	111	Morocco	0.748	0.685 - 0.809
7.1	9.0	11.0	13.0	112	Micronesia, Federated States of	0.747	0.602 - 0.893
7.1	8.7	11.0	12.5	113	Iran, Islamic Republic of	0.745	0.600 - 0.891
5.8	8.2	8.9	12.3	114	Tunisia	0.744	0.678 - 0.817
5.6	7.5	8.8	11.4	115	El Salvador	0.741	0.596 - 0.887
8.0	9.2	12.3	13.3	116	Tuvalu	0.732	0.584 - 0.881
8.4	8.9	13.0	13.0	117	Solomon Islands	0.728	0.585 - 0.873
9.6	11.2	15.0	15.5	118	Bolivia	0.725	0.661 - 0.792
6.8	7.9	10.6	12.1	119	Honduras	0.723	0.575 - 0.873
10.1	10.6	15.5	15.2	120	Marshall Islands	0.712	0.562 - 0.866
7.9	9.5	12.4	14.2	121	Kiribati	0.706	0.556 - 0.860
7.2	8.7	12.3	12.4	122	Kyrgyzstan	0.699	0.545 - 0.856
8.2	9.9	13.3	14.3	123	Cape Verde	0.694	0.543 - 0.848
7.6	8.2	12.1	12.6	124	Tajikistan	0.694	0.540 - 0.850
7.4	8.9	12.1	13.6	125	Bangladesh	0.692	0.626 - 0.763
6.2	7.7	10.0	12.2	126	Guyana	0.691	0.537 - 0.846
7.5	8.7	12.2	13.7	127	Vanuatu	0.686	0.537 - 0.837
9.1	8.6	14.9	13.2	128	South Africa	0.685	0.531 - 0.840
8.1	8.3	13.4	12.8	129	Albania	0.684	0.536 - 0.832
8.9	9.3	14.0	14.9	130	Iraq	0.684	0.535 - 0.832
7.7	8.5	13.0	13.1	131	Turkmenistan	0.684	0.528 - 0.843
10.0	10.1	16.1	15.5	132	Benin	0.680	0.594 - 0.763
8.3	8.1	13.6	13.1	133	Ecuador	0.679	0.590 - 0.772
6.8	7.7	11.3	12.5	134	Maldives	0.671	0.518 - 0.826
7.4	8.6	12.7	13.7	135	Kenya	0.660	0.595 - 0.723
6.6	8.1	11.6	12.9	136	Gabon	0.656	0.501 - 0.810
6.6	7.6	11.3	12.5	137	Burkina Faso	0.654	0.576 - 0.731
8.2	8.7	13.8	14.2	138	Uganda	0.653	0.572 - 0.732
7.1	7.4	12.1	12.4	139	Sao Tome and Principe	0.650	0.500 - 0.803
7.4	8.3	12.9	14.3	140	Swaziland	0.645	0.489 - 0.801
7.6	8.3	13.2	14.3	141	Egypt	0.643	0.598 - 0.688
7.9	8.3	13.7	14.3	142	Congo	0.635	0.480 - 0.792
8.8	9.5	15.7	16.1	143	Comoros	0.633	0.521 - 0.753
8.0	8.5	14.6	14.8	144	Uzbekistan	0.632	0.530 - 0.731
7.8	8.1	14.7	14.3	145	Democratic People's Republic of Korea	0.631	0.478 - 0.785
9.9	10.6	17.7	18.3	146	Botswana	0.624	0.472 - 0.776
9.0	9.5	16.6	16.7	147	Lao People's Democratic Republic	0.624	0.464 - 0.789
8.3	7.9	15.8	14.2	148	Mongolia	0.624	0.467 - 0.784
9.2	9.6	16.9	17.2	149	Ghana	0.610	0.513 - 0.711
9.3	9.3	17.4	16.9	150	Cambodia	0.606	0.450 - 0.763
10.0	10.6	18.7	18.8	151	Equatorial Guinea	0.604	0.448 - 0.762
8.6	9.9	16.7	17.9	152	Haiti	0.602	0.500 - 0.704
8.2	9.8	16.2	17.8	153	India	0.601	0.578 - 0.622
10.5	11.2	19.8	20.5	154	Burundi	0.599	0.490 - 0.699
5.1	5.0	10.8	10.3	155	Gambia	0.599	0.446 - 0.755
8.4	9.0	16.9	17.3	156	Indonesia	0.599	0.562 - 0.637
9.4	10.7	18.4	20.1	157	Papua New Guinea	0.599	0.446 - 0.754
9.3	10.5	18.8	19.7	158	Bhutan	0.598	0.445 - 0.752
8.9	9.4	18.2	18.6	159	Sudan	0.595	0.525 - 0.666
8.7	8.8	18.4	17.6	160	Cameroon	0.593	0.503 - 0.690

Annex Table 5 Health attainment, level and distribution in all Member States, estimates for 1997 and 1999

		LEVEL ^a								
		Disability-adjusted life expectancy (years)								
Rank	Member State	Total population	Males				Females			
			At birth	At birth	Uncertainty interval	At age 60	Uncertainty interval	At birth	Uncertainty interval	At age 60	Uncertainty interval
161	Chad	39.4	38.6	37.2 - 39.8	9.2	8.6 - 9.9	40.2	38.8 - 41.5	10.6	10.0 - 11.2
162	Kenya	39.3	39.0	37.9 - 40.2	9.2	8.6 - 13.4	39.6	38.4 - 41.0	12.0	11.5 - 12.5
163	Nigeria	38.3	38.1	36.9 - 39.2	8.7	8.1 - 9.4	38.4	37.1 - 39.6	10.1	9.5 - 10.7
164	Swaziland	38.1	37.8	36.5 - 39.0	8.1	7.7 - 8.6	38.4	36.9 - 39.9	9.5	9.0 - 10.0
165	Angola	38.0	37.0	35.7 - 38.1	8.9	8.3 - 9.6	38.9	37.7 - 40.0	10.8	10.1 - 11.4
166	Djibouti	37.9	37.7	36.2 - 38.8	6.9	6.4 - 7.4	38.1	36.6 - 39.3	7.9	7.6 - 8.2
167	Guinea	37.8	37.0	36.1 - 38.0	8.5	7.9 - 9.2	38.5	37.5 - 39.5	9.6	9.0 - 10.3
168	Afghanistan	37.7	36.7	34.9 - 38.5	7.9	7.0 - 8.8	38.7	36.9 - 40.5	7.9	7.2 - 8.7
169	Eritrea	37.7	38.5	37.6 - 39.5	8.2	7.6 - 8.7	36.9	35.9 - 37.9	7.9	7.4 - 8.4
170	Guinea-Bissau	37.2	36.8	35.6 - 37.9	9.1	8.5 - 13.4	37.5	36.4 - 38.6	10.0	9.4 - 10.6
171	Lesotho	36.9	36.6	35.3 - 38.0	9.9	9.3 - 10.4	37.2	35.7 - 38.7	11.3	10.8 - 11.9
172	Madagascar	36.6	36.5	35.5 - 37.4	6.7	6.1 - 7.2	36.8	35.7 - 37.7	6.6	6.0 - 7.2
173	Somalia	36.4	35.9	34.4 - 37.2	6.1	5.6 - 6.5	36.9	35.3 - 38.1	7.5	7.2 - 7.9
174	Democratic Republic of the Congo	36.3	36.4	35.5 - 37.3	7.3	6.8 - 7.9	36.2	35.4 - 37.3	7.8	7.3 - 8.4
175	Central African Republic	36.0	35.6	34.6 - 36.7	8.8	8.3 - 9.3	36.5	35.3 - 37.7	10.6	10.1 - 11.1
176	United Republic of Tanzania	36.0	35.9	35.1 - 36.8	7.8	7.2 - 8.4	36.1	35.2 - 37.1	9.2	8.7 - 9.8
177	Namibia	35.6	35.8	34.3 - 37.4	9.8	9.3 - 10.4	35.4	33.8 - 37.4	12.1	11.5 - 12.6
178	Burkina Faso	35.5	35.3	34.1 - 36.6	7.9	7.3 - 8.5	35.7	34.4 - 37.0	9.1	8.5 - 9.8
179	Burundi	34.6	34.6	33.0 - 36.2	7.6	6.9 - 8.3	34.6	32.8 - 36.3	9.4	8.8 - 10.0
180	Mozambique	34.4	33.7	32.3 - 35.3	8.3	7.7 - 8.9	35.1	33.5 - 36.9	10.7	10.1 - 11.4
181	Liberia	34.0	33.8	32.7 - 34.9	7.3	6.7 - 8.0	34.2	33.1 - 35.3	8.3	7.7 - 8.9
182	Ethiopia	33.5	33.5	32.5 - 34.5	7.5	7.0 - 8.1	33.5	32.3 - 34.7	8.6	8.0 - 9.2
183	Mali	33.1	32.6	31.6 - 33.7	7.7	7.1 - 8.3	33.5	32.5 - 34.5	9.0	8.4 - 9.7
184	Zimbabwe	32.9	33.4	32.3 - 34.5	8.8	8.3 - 9.4	32.4	31.3 - 33.7	10.1	9.6 - 10.6
185	Rwanda	32.8	32.9	31.6 - 34.3	6.9	6.2 - 7.6	32.7	31.3 - 34.3	7.4	6.9 - 8.1
186	Uganda	32.7	32.9	32.1 - 33.9	6.2	5.6 - 6.9	32.5	31.6 - 33.5	7.4	6.8 - 8.0
187	Botswana	32.3	32.3	31.7 - 32.9	6.1	5.6 - 6.6	32.2	31.6 - 33.0	9.7	9.3 - 10.0
188	Zambia	30.3	30.0	28.9 - 30.9	7.6	6.9 - 8.3	30.7	29.5 - 31.7	10.7	10.1 - 11.4
189	Malawi	29.4	29.3	28.3 - 30.2	6.8	6.2 - 7.5	29.4	28.4 - 30.4	8.3	7.7 - 8.9
190	Niger	29.1	28.1	27.1 - 29.0	6.6	5.8 - 7.4	30.1	29.0 - 31.1	9.6	8.8 - 10.6
191	Sierra Leone	25.9	25.8	24.5 - 26.8	6.0	5.4 - 6.7	26.0	24.8 - 27.1	6.0	5.3 - 6.7

^a 1999.^b 1997.^c Figures in italics are based on estimates.

				DISTRIBUTION ^b			
Expectation of disability at birth (years)		Percentage of lifespan lived with disability		Equality of child survival ^c			
Males	Females	Males	Females	Rank	Member State	Index	Uncertainty interval
8.7	9.9	18.4	19.8	161	Nepal	0.586	0.513 - 0.663
8.4	8.5	17.7	17.6	162	Myanmar	0.579	0.426 - 0.733
8.7	9.7	18.5	20.2	163	Mauritania	0.573	0.415 - 0.732
8.0	8.4	17.5	17.9	164	Lesotho	0.570	0.418 - 0.724
9.3	10.2	20.0	20.7	165	Yemen	0.558	0.492 - 0.626
7.3	7.0	16.2	15.5	166	Guinea	0.549	0.392 - 0.707
9.2	10.4	19.9	21.2	167	Eritrea	0.544	0.390 - 0.702
8.5	8.4	18.9	17.9	168	Madagascar	0.544	0.459 - 0.630
8.2	9.6	17.5	20.6	169	Djibouti	0.543	0.389 - 0.698
8.2	9.5	18.1	20.2	170	Togo	0.535	0.463 - 0.603
7.5	8.0	17.0	17.7	171	Zambia	0.535	0.448 - 0.633
8.5	10.9	19.0	22.9	172	United Republic of Tanzania	0.530	0.448 - 0.611
8.2	7.8	18.6	17.4	173	Namibia	0.529	0.430 - 0.629
8.7	10.3	19.3	22.1	174	Democratic Republic of the Congo	0.527	0.374 - 0.683
7.7	8.4	17.7	18.7	175	Chad	0.520	0.368 - 0.675
8.5	9.5	19.1	20.8	176	Ethiopia	0.510	0.358 - 0.665
7.5	7.6	17.4	17.7	177	Guinea-Bissau	0.510	0.357 - 0.665
8.8	10.0	19.9	21.9	178	Angola	0.509	0.357 - 0.664
8.6	9.2	19.9	21.1	179	Somalia	0.495	0.341 - 0.650
8.1	8.9	19.3	20.3	180	Mali	0.489	0.428 - 0.556
8.7	10.7	20.4	23.8	181	Côte d'Ivoire	0.472	0.395 - 0.549
7.9	9.5	19.1	22.1	182	Afghanistan	0.470	0.317 - 0.625
8.7	10.5	21.0	23.8	183	Pakistan	0.460	0.395 - 0.526
7.5	7.6	18.4	18.9	184	Niger	0.457	0.374 - 0.540
8.4	9.6	20.3	22.6	185	Rwanda	0.437	0.356 - 0.526
9.0	9.9	21.4	23.4	186	Sierra Leone	0.433	0.278 - 0.591
7.2	7.1	18.2	18.0	187	Malawi	0.378	0.266 - 0.492
8.0	8.3	21.1	21.3	188	Nigeria	0.336	0.262 - 0.410
8.0	9.0	21.3	23.3	189	Central African Republic	0.301	0.198 - 0.406
9.0	10.5	24.3	25.8	190	Mozambique	0.261	0.171 - 0.358
7.4	9.5	22.4	26.7	191	Liberia	0.245	0.136 - 0.364

Annex Table 6 Responsiveness of health systems, level and distribution in all Member States, WHO indexes, estimates for 1999^a

LEVEL				DISTRIBUTION			
Rank	Member State	Index	Uncertainty interval	Rank	Member State	Index	Uncertainty interval
1	United States of America	8.10	7.32 – 8.96	1	United Arab Emirates	1.000	1.000 – 1.000
2	Switzerland	7.44	6.79 – 8.13	2	Bulgaria	0.996	0.994 – 0.997
3	Luxembourg	7.37	6.73 – 8.06	3 – 38	Argentina	0.995	0.992 – 0.997
4	Denmark	7.12	6.55 – 7.73	3 – 38	Australia	0.995	0.993 – 0.997
5	Germany	7.10	6.52 – 7.72	3 – 38	Austria	0.995	0.993 – 0.997
6	Japan	7.00	6.43 – 7.61	3 – 38	Bahamas	0.995	0.992 – 0.997
7 – 8	Canada	6.98	6.44 – 7.54	3 – 38	Bahrain	0.995	0.992 – 0.997
7 – 8	Norway	6.98	6.40 – 7.60	3 – 38	Barbados	0.995	0.993 – 0.997
9	Netherlands	6.92	6.38 – 7.49	3 – 38	Belgium	0.995	0.993 – 0.997
10	Sweden	6.90	6.35 – 7.47	3 – 38	Brunei Darussalam	0.995	0.993 – 0.997
11	Cyprus	6.88	6.76 – 7.00	3 – 38	Canada	0.995	0.993 – 0.997
12 – 13	Australia	6.86	6.34 – 7.40	3 – 38	Denmark	0.995	0.993 – 0.997
12 – 13	Austria	6.86	6.31 – 7.45	3 – 38	Finland	0.995	0.993 – 0.997
14	Monaco	6.85	6.32 – 7.44	3 – 38	France	0.995	0.993 – 0.997
15	Iceland	6.84	6.31 – 7.42	3 – 38	Germany	0.995	0.993 – 0.997
16 – 17	Belgium	6.82	6.29 – 7.39	3 – 38	Greece	0.995	0.993 – 0.997
16 – 17	France	6.82	6.27 – 7.42	3 – 38	Iceland	0.995	0.993 – 0.997
18	Bahamas	6.77	6.28 – 7.29	3 – 38	Ireland	0.995	0.993 – 0.997
19	Finland	6.76	6.26 – 7.29	3 – 38	Israel	0.995	0.993 – 0.997
20 – 21	Israel	6.70	6.22 – 7.22	3 – 38	Italy	0.995	0.993 – 0.997
20 – 21	Singapore	6.70	6.16 – 7.25	3 – 38	Japan	0.995	0.993 – 0.997
22 – 23	Italy	6.65	6.13 – 7.20	3 – 38	Kuwait	0.995	0.993 – 0.997
22 – 23	New Zealand	6.65	6.18 – 7.15	3 – 38	Luxembourg	0.995	0.993 – 0.997
24	Brunei Darussalam	6.59	6.11 – 7.07	3 – 38	Malta	0.995	0.993 – 0.997
25	Ireland	6.52	6.03 – 7.02	3 – 38	Mauritius	0.995	0.992 – 0.997
26 – 27	Qatar	6.51	6.02 – 7.00	3 – 38	Monaco	0.995	0.993 – 0.997
26 – 27	United Kingdom	6.51	6.01 – 7.05	3 – 38	Netherlands	0.995	0.993 – 0.997
28	Andorra	6.44	5.97 – 6.93	3 – 38	New Zealand	0.995	0.993 – 0.997
29	Kuwait	6.34	5.84 – 6.82	3 – 38	Norway	0.995	0.993 – 0.997
30	United Arab Emirates	6.33	6.24 – 6.41	3 – 38	Qatar	0.995	0.993 – 0.997
31	Malaysia	6.32	6.21 – 6.42	3 – 38	Saint Kitts and Nevis	0.995	0.993 – 0.997
32	San Marino	6.30	5.84 – 6.79	3 – 38	San Marino	0.995	0.993 – 0.997
33	Thailand	6.23	6.11 – 6.35	3 – 38	Singapore	0.995	0.993 – 0.997
34	Spain	6.18	5.74 – 6.63	3 – 38	Spain	0.995	0.992 – 0.997
35	Republic of Korea	6.12	5.99 – 6.24	3 – 38	Sweden	0.995	0.993 – 0.997
36	Greece	6.05	5.63 – 6.48	3 – 38	Switzerland	0.995	0.993 – 0.997
37	Slovenia	6.04	5.62 – 6.48	3 – 38	United Kingdom	0.995	0.993 – 0.997
38	Portugal	6.00	5.58 – 6.44	3 – 38	United States of America	0.995	0.993 – 0.997
39	Barbados	5.98	5.57 – 6.41	39 – 42	Andorra	0.994	0.992 – 0.996
40	Argentina	5.93	5.53 – 6.34	39 – 42	Antigua and Barbuda	0.994	0.992 – 0.996
41	Uruguay	5.87	5.47 – 6.28	39 – 42	Nauru	0.994	0.992 – 0.996
42	Nauru	5.83	5.41 – 6.25	39 – 42	Palau	0.994	0.992 – 0.996
43 – 44	Bahrain	5.82	5.38 – 6.24	43	Republic of Korea	0.992	0.990 – 0.994
43 – 44	Malta	5.82	5.42 – 6.24	44	Cyprus	0.991	0.988 – 0.994
45	Chile	5.81	5.41 – 6.21	45 – 47	Belarus	0.987	0.984 – 0.990
46	Mongolia	5.79	5.67 – 5.92	45 – 47	Czech Republic	0.987	0.984 – 0.990
47 – 48	Antigua and Barbuda	5.78	5.37 – 6.17	45 – 47	Lithuania	0.987	0.984 – 0.990
47 – 48	Czech Republic	5.78	5.38 – 6.19	48	Philippines	0.986	0.982 – 0.987
49	Philippines	5.75	5.64 – 5.87	49	Oman	0.983	0.979 – 0.987
50	Poland	5.73	5.61 – 5.85	50 – 52	Algeria	0.982	0.977 – 0.985
51	Viet Nam	5.70	5.59 – 5.81	50 – 52	Saudi Arabia	0.982	0.978 – 0.986
52	Palau	5.69	5.27 – 6.09	50 – 52	Thailand	0.982	0.973 – 0.990
53 – 54	Mexico	5.66	5.25 – 6.07	53 – 57	Jordan	0.981	0.976 – 0.985
53 – 54	Saint Kitts and Nevis	5.66	5.26 – 6.06	53 – 57	Latvia	0.981	0.977 – 0.985
55	Lebanon	5.61	5.20 – 6.01	53 – 57	Portugal	0.981	0.977 – 0.985

LEVEL				DISTRIBUTION			
Rank	Member State	Index	Uncertainty interval	Rank	Member State	Index	Uncertainty interval
56	Mauritius	5.57	5.15 – 5.96	53 – 57	Slovenia	0.981	0.977 – 0.985
57 – 58	Fiji	5.53	5.10 – 5.93	53 – 57	Uruguay	0.981	0.977 – 0.985
57 – 58	Libyan Arab Jamahiriya	5.53	5.10 – 5.93	58	Hungary	0.980	0.976 – 0.985
59	Panama	5.52	5.11 – 5.90	59	Egypt	0.979	0.968 – 0.988
60	Slovakia	5.51	5.37 – 5.66	60 – 61	Kazakhstan	0.976	0.972 – 0.981
61	Tonga	5.49	5.07 – 5.89	60 – 61	Tunisia	0.976	0.971 – 0.981
62	Hungary	5.47	5.36 – 5.59	62	Malaysia	0.975	0.965 – 0.983
63 – 64	Grenada	5.46	5.04 – 5.85	63 – 64	Slovakia	0.973	0.968 – 0.978
63 – 64	Indonesia	5.46	5.35 – 5.57	63 – 64	Ukraine	0.973	0.968 – 0.978
65	Cook Islands	5.45	5.05 – 5.85	65	Poland	0.970	0.964 – 0.976
66	Estonia	5.44	5.04 – 5.84	66	Turkey	0.969	0.964 – 0.974
67	Saudi Arabia	5.40	4.97 – 5.78	67 – 68	Morocco	0.967	0.960 – 0.973
68	Costa Rica	5.39	4.99 – 5.77	67 – 68	Romania	0.967	0.961 – 0.972
69 – 72	Latvia	5.37	4.97 – 5.77	69	Estonia	0.963	0.957 – 0.968
69 – 72	Russian Federation	5.37	4.97 – 5.76	70	Indonesia	0.961	0.948 – 0.973
69 – 72	Syrian Arab Republic	5.37	4.94 – 5.76	71	Uzbekistan	0.960	0.953 – 0.965
69 – 72	Venezuela, Bolivarian Republic of	5.37	4.98 – 5.75	72	Dominican Republic	0.959	0.952 – 0.966
73 – 74	Romania	5.35	4.96 – 5.76	73 – 74	Fiji	0.956	0.950 – 0.962
73 – 74	South Africa	5.35	5.21 – 5.49	73 – 74	Jamaica	0.956	0.950 – 0.962
75	Seychelles	5.34	4.94 – 5.73	75	Seychelles	0.955	0.948 – 0.961
76 – 79	Belarus	5.32	4.92 – 5.72	76	Libyan Arab Jamahiriya	0.953	0.947 – 0.960
76 – 79	Botswana	5.32	5.15 – 5.49	77 – 78	Dominica	0.949	0.942 – 0.955
76 – 79	Croatia	5.32	4.93 – 5.71	77 – 78	Sri Lanka	0.949	0.941 – 0.956
76 – 79	Ecuador	5.32	5.15 – 5.49	79 – 81	Lebanon	0.947	0.940 – 0.954
80 – 81	Lithuania	5.31	4.90 – 5.71	79 – 81	Suriname	0.947	0.940 – 0.953
80 – 81	Samoa	5.31	4.88 – 5.72	79 – 81	Syrian Arab Republic	0.947	0.940 – 0.954
82	Colombia	5.30	4.92 – 5.68	82	Saint Lucia	0.946	0.938 – 0.953
83	Oman	5.27	4.85 – 5.65	83	Croatia	0.945	0.939 – 0.952
84 – 86	Dominica	5.25	4.86 – 5.64	84 – 85	Brazil	0.944	0.942 – 0.968
84 – 86	Jordan	5.25	4.83 – 5.63	84 – 85	Grenada	0.944	0.937 – 0.951
84 – 86	Saint Lucia	5.25	4.84 – 5.63	86 – 87	Costa Rica	0.943	0.936 – 0.950
87	Suriname	5.23	4.82 – 5.62	86 – 87	Russian Federation	0.943	0.936 – 0.950
88 – 89	China	5.20	4.79 – 5.58	88	Panama	0.939	0.932 – 0.946
88 – 89	Turkmenistan	5.20	4.78 – 5.59	89	Cook Islands	0.938	0.929 – 0.946
90 – 91	Algeria	5.19	4.77 – 5.57	90	Belize	0.937	0.929 – 0.944
90 – 91	Kazakhstan	5.19	4.80 – 5.58	91	Mongolia	0.934	0.916 – 0.952
92	Armenia	5.18	4.77 – 5.57	92	Venezuela, Bolivarian Republic of	0.933	0.925 – 0.941
93	Turkey	5.16	4.74 – 5.53	93 – 94	Colombia	0.931	0.923 – 0.939
94	Tunisia	5.15	4.75 – 5.52	93 – 94	Iran, Islamic Republic of	0.931	0.923 – 0.939
95	Dominican Republic	5.14	4.74 – 5.51	95	The former Yugoslav Republic of Macedonia	0.926	0.915 – 0.935
96	Ukraine	5.13	4.72 – 5.52	96	Kyrgyzstan	0.925	0.915 – 0.933
97	Paraguay	5.12	4.74 – 5.50	97	Tonga	0.921	0.910 – 0.932
98 – 99	Maldives	5.11	4.69 – 5.49	98 – 100	Cuba	0.920	0.909 – 0.930
98 – 99	Marshall Islands	5.11	4.70 – 5.52	98 – 100	Saint Vincent and the Grenadines	0.920	0.911 – 0.929
100	Iran, Islamic Republic of	5.10	4.71 – 5.48	98 – 100	Samoa	0.920	0.908 – 0.930
101	Sri Lanka	5.08	4.69 – 5.47	101 – 102	Gabon	0.919	0.909 – 0.928
102	Egypt	5.06	4.94 – 5.17	101 – 102	Maldives	0.919	0.909 – 0.928
103 – 104	Iraq	5.05	4.63 – 5.43	103	Chile	0.918	0.902 – 0.933
103 – 104	Saint Vincent and the Grenadines	5.05	4.66 – 5.43	104	Senegal	0.914	0.889 – 0.928
105 – 107	Belize	5.03	4.63 – 5.40	105 – 106	China	0.911	0.899 – 0.922
105 – 107	Jamaica	5.03	4.65 – 5.41	105 – 106	Guyana	0.911	0.900 – 0.921
105 – 107	Uzbekistan	5.03	4.62 – 5.42	107	Republic of Moldova	0.910	0.899 – 0.919
108 – 110	Bosnia and Herzegovina	5.02	4.64 – 5.40	108 – 109	Mexico	0.909	0.888 – 0.924
108 – 110	India	5.02	4.61 – 5.41	108 – 109	Trinidad and Tobago	0.909	0.894 – 0.925
108 – 110	Swaziland	5.02	4.61 – 5.40	110	Swaziland	0.908	0.897 – 0.918

Annex Table 6 Responsiveness of health systems, level and distribution in all Member States, WHO indexes, estimates for 1999^a

LEVEL				DISTRIBUTION			
Rank	Member State	Index	Uncertainty interval	Rank	Member State	Index	Uncertainty interval
111	The former Yugoslav Republic of Macedonia	5.01	4.62 – 5.40	111 – 112	Armenia	0.905	0.891 – 0.917
112	Micronesia, Federated States of	5.00	4.60 – 5.38	111 – 112	Botswana	0.905	0.877 – 0.932
113	Namibia	4.99	4.62 – 5.37	113	Turkmenistan	0.899	0.886 – 0.912
114	Guyana	4.98	4.58 – 5.36	114	Iraq	0.898	0.883 – 0.912
115 – 117	Cuba	4.97	4.57 – 5.36	115	Pakistan	0.897	0.883 – 0.909
115 – 117	Guatemala	4.97	4.81 – 5.12	116	Yugoslavia	0.895	0.882 – 0.907
115 – 117	Yugoslavia	4.97	4.59 – 5.36	117	Albania	0.894	0.878 – 0.910
118 – 119	Gabon	4.96	4.57 – 5.32	118	Equatorial Guinea	0.892	0.877 – 0.906
118 – 119	Senegal	4.96	4.83 – 5.09	119	Papua New Guinea	0.891	0.875 – 0.906
120 – 121	Kiribati	4.95	4.54 – 5.35	120	Solomon Islands	0.890	0.875 – 0.903
120 – 121	Pakistan	4.95	4.54 – 5.32	121	Viet Nam	0.884	0.870 – 0.900
122	Zimbabwe	4.94	4.82 – 5.05	122	Kiribati	0.883	0.864 – 0.901
123	Republic of Moldova	4.92	4.54 – 5.30	123	Mauritania	0.882	0.840 – 0.919
124	Kyrgyzstan	4.91	4.51 – 5.29	124	Bosnia and Herzegovina	0.881	0.866 – 0.895
125	Tajikistan	4.90	4.49 – 5.29	125	Azerbaijan	0.878	0.863 – 0.893
126	Niue	4.87	4.48 – 5.25	126	Sao Tome and Principe	0.877	0.857 – 0.895
127	Vanuatu	4.85	4.46 – 5.22	127	India	0.876	0.856 – 0.895
128	El Salvador	4.84	4.47 – 5.22	128 – 129	El Salvador	0.874	0.854 – 0.892
129	Honduras	4.82	4.45 – 5.19	128 – 129	Micronesia, Federated States of	0.874	0.858 – 0.889
130 – 131	Azerbaijan	4.81	4.43 – 5.19	130 – 131	Democratic Peoples' Republic of Korea	0.873	0.852 – 0.892
130 – 131	Brazil	4.81	4.68 – 4.94	130 – 131	Guinea	0.873	0.842 – 0.902
132 – 135	Ghana	4.80	4.69 – 4.92	132	Vanuatu	0.872	0.854 – 0.887
132 – 135	Solomon Islands	4.80	4.40 – 5.18	133	Paraguay	0.871	0.848 – 0.892
132 – 135	Tuvalu	4.80	4.40 – 5.18	134 – 135	Cape Verde	0.866	0.847 – 0.882
132 – 135	Zambia	4.80	4.40 – 5.18	134 – 135	Marshall Islands	0.866	0.848 – 0.882
136	Albania	4.79	4.39 – 5.17	136	Tajikistan	0.864	0.845 – 0.881
137 – 138	Cambodia	4.77	4.37 – 5.15	137 – 138	Bhutan	0.861	0.840 – 0.881
137 – 138	Congo	4.77	4.39 – 5.15	137 – 138	Cambodia	0.861	0.836 – 0.884
139	Democratic People's Republic of Korea	4.76	4.36 – 5.14	139	Nicaragua	0.860	0.840 – 0.878
140	Nicaragua	4.75	4.36 – 5.11	140	Djibouti	0.858	0.834 – 0.880
141	Trinidad and Tobago	4.73	4.60 – 4.86	141	Georgia	0.855	0.835 – 0.874
142	Democratic Republic of the Congo	4.72	4.34 – 5.10	142	Kenya	0.852	0.830 – 0.871
143	Equatorial Guinea	4.71	4.33 – 5.07	143 – 144	Lao People's Democratic Republic	0.850	0.778 – 0.912
144	Kenya	4.67	4.28 – 5.05	143 – 144	Rwanda	0.850	0.824 – 0.875
145 – 147	Lao People's Democratic Republic	4.62	4.23 – 5.00	145	Niue	0.848	0.824 – 0.871
145 – 147	Lesotho	4.62	4.23 – 4.99	146	Ghana	0.847	0.811 – 0.882
145 – 147	Rwanda	4.62	4.22 – 5.01	147	South Africa	0.844	0.811 – 0.869
148	Sao Tome and Principe	4.61	4.21 – 4.99	148 – 149	Lesotho	0.842	0.818 – 0.863
149	Nigeria	4.60	4.22 – 4.98	148 – 149	Sudan	0.842	0.818 – 0.863
150	Papua New Guinea	4.59	4.18 – 4.96	150	United Republic of Tanzania	0.836	0.808 – 0.862
151 – 153	Bolivia	4.58	4.46 – 4.70	151	Congo	0.834	0.780 – 0.881
151 – 153	Morocco	4.58	4.20 – 4.94	152	Malawi	0.831	0.804 – 0.855
151 – 153	Myanmar	4.58	4.21 – 4.95	153 – 155	Comoros	0.830	0.801 – 0.856
154	Cape Verde	4.56	4.17 – 4.92	153 – 155	Côte d'Ivoire	0.830	0.804 – 0.857
155	Togo	4.54	4.16 – 4.91	153 – 155	Tuvalu	0.830	0.804 – 0.856
156	Cameroon	4.50	4.13 – 4.87	156	Namibia	0.828	0.802 – 0.854
157 – 160	Comoros	4.46	4.06 – 4.83	157	Gambia	0.825	0.797 – 0.850
157 – 160	Côte d'Ivoire	4.46	4.08 – 4.83	158	Myanmar	0.822	0.785 – 0.856
157 – 160	Haiti	4.46	4.10 – 4.84	159	Guatemala	0.812	0.787 – 0.837
157 – 160	United Republic of Tanzania	4.46	4.06 – 4.84	160	Benin	0.811	0.776 – 0.843
161	Bulgaria	4.43	4.30 – 4.57	161	Peru	0.808	0.793 – 0.850
162	Malawi	4.42	4.03 – 4.80	162	Togo	0.803	0.771 – 0.835
163	Bhutan	4.35	3.96 – 4.72	163	Honduras	0.800	0.757 – 0.841
164	Sudan	4.34	3.96 – 4.71	164	Burkina Faso	0.799	0.751 – 0.847
165 – 167	Gambia	4.33	3.95 – 4.70	165	Uganda	0.796	0.751 – 0.818

LEVEL				DISTRIBUTION			
Rank	Member State	Index	Uncertainty interval	Rank	Member State	Index	Uncertainty interval
165 – 167	Georgia	4.33	4.18 – 4.48	166 – 167	Nepal	0.792	0.757 – 0.825
165 – 167	Mauritania	4.33	3.97 – 4.69	166 – 167	Zimbabwe	0.792	0.747 – 0.814
168 – 169	Guinea	4.29	3.92 – 4.64	168	Burundi	0.790	0.750 – 0.825
168 – 169	Madagascar	4.29	3.92 – 4.65	169 – 170	Democratic Republic of the Congo	0.783	0.743 – 0.817
170	Djibouti	4.28	3.87 – 4.66	169 – 170	Eritrea	0.783	0.743 – 0.822
171	Burundi	4.25	3.86 – 4.64	171	Zambia	0.781	0.739 – 0.816
172	Peru	4.24	4.12 – 4.36	172 – 173	Afghanistan	0.776	0.729 – 0.819
173	Sierra Leone	4.23	3.86 – 4.61	172 – 173	Haiti	0.776	0.726 – 0.823
174	Burkina Faso	4.18	4.06 – 4.31	174	Guinea-Bissau	0.762	0.703 – 0.818
175 – 176	Benin	4.14	3.75 – 4.50	175	Mozambique	0.758	0.703 – 0.810
175 – 176	Liberia	4.14	3.77 – 4.50	176	Liberia	0.753	0.680 – 0.822
177	Angola	4.10	3.74 – 4.46	177	Nigeria	0.746	0.696 – 0.792
178	Bangladesh	4.07	3.94 – 4.20	178	Bolivia	0.745	0.723 – 0.768
179	Ethiopia	4.00	3.62 – 4.38	179 – 180	Ethiopia	0.733	0.665 – 0.797
180	Yemen	3.98	3.61 – 4.35	179 – 180	Madagascar	0.733	0.665 – 0.798
181 – 182	Afghanistan	3.96	3.57 – 4.33	181	Bangladesh	0.728	0.699 – 0.756
181 – 182	Chad	3.96	3.59 – 4.31	182	Ecuador	0.723	0.709 – 0.821
183	Central African Republic	3.94	3.57 – 4.30	183	Cameroon	0.710	0.564 – 0.827
184	Guinea-Bissau	3.89	3.52 – 4.26	184	Niger	0.690	0.591 – 0.781
185	Nepal	3.83	3.69 – 3.98	185	Chad	0.688	0.573 – 0.792
186	Eritrea	3.75	3.36 – 4.13	186	Sierra Leone	0.686	0.595 – 0.771
187 – 188	Mali	3.74	3.36 – 4.13	187	Mali	0.685	0.601 – 0.763
187 – 188	Uganda	3.74	3.61 – 3.87	188	Angola	0.683	0.549 – 0.797
189 – 190	Mozambique	3.73	3.34 – 4.12	189	Yemen	0.673	0.489 – 0.820
189 – 190	Niger	3.73	3.35 – 4.12	190	Somalia	0.621	0.440 – 0.772
191	Somalia	3.69	3.31 – 4.07	191	Central African Republic	0.414	0.006 – 0.733

^a Figures in italics are based on estimates.

Annex Table 7 Fairness of financial contribution to health systems in all Member States, WHO index, estimates for 1997^a

Rank	Member State	Index	Uncertainty interval
1	Colombia	0.992	0.990 – 0.994
2	Luxembourg	0.981	0.967 – 0.992
3 – 5	Belgium	0.979	0.964 – 0.991
3 – 5	Djibouti	0.979	0.965 – 0.990
3 – 5	Denmark	0.979	0.964 – 0.991
6 – 7	Ireland	0.978	0.965 – 0.989
6 – 7	Germany	0.978	0.964 – 0.989
8 – 11	Norway	0.977	0.962 – 0.990
8 – 11	Japan	0.977	0.961 – 0.990
8 – 11	Finland	0.977	0.961 – 0.990
8 – 11	United Kingdom	0.977	0.963 – 0.988
12 – 15	Austria	0.976	0.959 – 0.991
12 – 15	Libyan Arab Jamahiriya	0.976	0.961 – 0.988
12 – 15	Sweden	0.976	0.959 – 0.990
12 – 15	Iceland	0.976	0.961 – 0.988
16	Kiribati	0.975	0.959 – 0.987
17 – 19	Solomon Islands	0.974	0.959 – 0.987
17 – 19	Nauru	0.974	0.958 – 0.987
17 – 19	Canada	0.974	0.959 – 0.986
20 – 22	Marshall Islands	0.973	0.957 – 0.986
20 – 22	Netherlands	0.973	0.959 – 0.985
20 – 22	United Arab Emirates	0.973	0.958 – 0.985
23 – 25	New Zealand	0.972	0.956 – 0.985
23 – 25	Cuba	0.972	0.957 – 0.984
23 – 25	Micronesia, Federated States of	0.972	0.956 – 0.985
26 – 29	Spain	0.971	0.956 – 0.984
26 – 29	France	0.971	0.956 – 0.983
26 – 29	Tuvalu	0.971	0.954 – 0.984
26 – 29	Australia	0.971	0.956 – 0.983
30 – 32	San Marino	0.970	0.953 – 0.984
30 – 32	Kuwait	0.970	0.955 – 0.982
30 – 32	Palau	0.970	0.954 – 0.983
33 – 34	Andorra	0.969	0.952 – 0.984
33 – 34	Samoa	0.969	0.953 – 0.982
35 – 36	Niue	0.968	0.952 – 0.982
35 – 36	Uruguay	0.968	0.950 – 0.983
37	Saudi Arabia	0.965	0.950 – 0.978
38 – 40	Switzerland	0.964	0.948 – 0.979
38 – 40	Israel	0.964	0.949 – 0.978
38 – 40	Mozambique	0.964	0.948 – 0.977
41	Greece	0.963	0.946 – 0.978
42 – 44	Monaco	0.962	0.941 – 0.980
42 – 44	India	0.962	0.949 – 0.966
42 – 44	Malta	0.962	0.940 – 0.980
45 – 47	Guyana	0.961	0.952 – 0.968
45 – 47	Cook Islands	0.961	0.945 – 0.975
45 – 47	Italy	0.961	0.935 – 0.981
48	United Republic of Tanzania	0.959	0.956 – 0.968
49 – 50	Turkey	0.958	0.941 – 0.973
49 – 50	Jordan	0.958	0.942 – 0.973
51 – 52	Bangladesh	0.956	0.955 – 0.961
51 – 52	Maldives	0.956	0.939 – 0.972
53	Republic of Korea	0.955	0.931 – 0.974

Rank	Member State	Index	Uncertainty interval
54 – 55	United States of America	0.954	0.929 – 0.974
54 – 55	Fiji	0.954	0.938 – 0.969
56 – 57	Iraq	0.952	0.932 – 0.970
56 – 57	Oman	0.952	0.935 – 0.967
58 – 60	Chad	0.951	0.927 – 0.972
58 – 60	Rwanda	0.951	0.920 – 0.975
58 – 60	Portugal	0.951	0.932 – 0.968
61	Bahrain	0.950	0.933 – 0.966
62 – 63	Vanuatu	0.949	0.932 – 0.965
62 – 63	Pakistan	0.949	0.941 – 0.967
64 – 65	Seychelles	0.948	0.923 – 0.969
64 – 65	Costa Rica	0.948	0.921 – 0.970
66 – 67	Saint Lucia	0.947	0.929 – 0.965
66 – 67	Sao Tome and Principe	0.947	0.922 – 0.968
68	Bolivia	0.946	0.928 – 0.964
69	Trinidad and Tobago	0.945	0.926 – 0.962
70	Qatar	0.944	0.924 – 0.962
71 – 72	Czech Republic	0.943	0.894 – 0.981
71 – 72	Papua New Guinea	0.943	0.906 – 0.971
73	Indonesia	0.942	0.918 – 0.963
74 – 75	Algeria	0.941	0.916 – 0.963
74 – 75	Ghana	0.941	0.910 – 0.966
76 – 78	Guinea	0.940	0.919 – 0.958
76 – 78	Sri Lanka	0.940	0.910 – 0.964
76 – 78	Panama	0.940	0.908 – 0.966
79 – 81	Comoros	0.939	0.913 – 0.962
79 – 81	Romania	0.939	0.912 – 0.961
79 – 81	Kenya	0.939	0.917 – 0.959
82 – 83	Slovenia	0.938	0.887 – 0.977
82 – 83	Bosnia and Herzegovina	0.938	0.890 – 0.976
84 – 86	Liberia	0.937	0.911 – 0.960
84 – 86	Gabon	0.937	0.911 – 0.960
84 – 86	Belarus	0.937	0.878 – 0.980
87	Senegal	0.936	0.914 – 0.954
88	Ecuador	0.935	0.912 – 0.955
89 – 95	Bhutan	0.934	0.904 – 0.960
89 – 95	Botswana	0.934	0.909 – 0.957
89 – 95	Brunei Darussalam	0.934	0.890 – 0.968
89 – 95	Malawi	0.934	0.909 – 0.957
89 – 95	Argentina	0.934	0.899 – 0.963
89 – 95	Lesotho	0.934	0.882 – 0.975
89 – 95	Cape Verde	0.934	0.908 – 0.957
96	Slovakia	0.933	0.864 – 0.981
97	Mongolia	0.932	0.881 – 0.972
98	Venezuela, Bolivarian Republic of	0.931	0.898 – 0.960
99 – 100	Dominica	0.930	0.895 – 0.960
99 – 100	Saint Vincent and the Grenadines	0.930	0.895 – 0.960
101 – 102	Singapore	0.929	0.880 – 0.967
101 – 102	Lebanon	0.929	0.899 – 0.954
103 – 104	Angola	0.928	0.900 – 0.953
103 – 104	Afghanistan	0.928	0.890 – 0.958
105 – 106	Hungary	0.927	0.875 – 0.970

Annex Table 7 Fairness of financial contribution to health systems in all Member States, WHO index, estimates for 1997^a

Rank	Member State	Index	Uncertainty interval
105 – 106	Georgia	0.927	0.876 – 0.969
107	Barbados	0.926	0.890 – 0.957
108 – 111	Croatia	0.925	0.869 – 0.970
108 – 111	Tunisia	0.925	0.896 – 0.949
108 – 111	Eritrea	0.925	0.896 – 0.951
108 – 111	Tonga	0.925	0.896 – 0.950
112 – 113	Tajikistan	0.923	0.871 – 0.966
112 – 113	Iran, Islamic Republic of	0.923	0.890 – 0.951
114	Burundi	0.922	0.876 – 0.958
115	Jamaica	0.921	0.861 – 0.923
116 – 120	Madagascar	0.919	0.889 – 0.946
116 – 120	Azerbaijan	0.919	0.863 – 0.964
116 – 120	Côte d'Ivoire	0.919	0.879 – 0.952
116 – 120	Antigua and Barbuda	0.919	0.882 – 0.952
116 – 120	The former Yugoslav Republic of Macedonia	0.919	0.867 – 0.963
121	Turkmenistan	0.918	0.859 – 0.966
122 – 123	Guinea-Bissau	0.917	0.854 – 0.966
122 – 123	Malaysia	0.917	0.881 – 0.948
124	Mauritius	0.916	0.885 – 0.945
125 – 127	Namibia	0.915	0.884 – 0.944
125 – 127	Egypt	0.915	0.848 – 0.966
125 – 127	Morocco	0.915	0.878 – 0.945
128 – 130	Thailand	0.913	0.913 – 0.926
128 – 130	Philippines	0.913	0.880 – 0.943
128 – 130	Uganda	0.913	0.875 – 0.946
131 – 133	Lithuania	0.912	0.857 – 0.958
131 – 133	Cyprus	0.912	0.870 – 0.946
131 – 133	Uzbekistan	0.912	0.858 – 0.957
134	Equatorial Guinea	0.911	0.877 – 0.942
135	Yemen	0.910	0.870 – 0.944
136 – 137	Somalia	0.909	0.855 – 0.952
136 – 137	Saint Kitts and Nevis	0.909	0.867 – 0.945
138 – 139	Bahamas	0.906	0.863 – 0.944
138 – 139	Ethiopia	0.906	0.863 – 0.942
140 – 141	Benin	0.905	0.868 – 0.938
140 – 141	Ukraine	0.905	0.849 – 0.952
142 – 143	Syrian Arab Republic	0.904	0.856 – 0.944
142 – 143	South Africa	0.904	0.822 – 0.967
144	Mexico	0.903	0.880 – 0.905
145	Estonia	0.902	0.846 – 0.949
146	Belize	0.901	0.856 – 0.941
147	Grenada	0.900	0.853 – 0.940
148	Republic of Moldova	0.898	0.841 – 0.946
149	Gambia	0.897	0.854 – 0.935
150 – 151	Mali	0.896	0.846 – 0.940
150 – 151	Poland	0.896	0.838 – 0.946
152	Togo	0.895	0.853 – 0.933
153	Mauritania	0.893	0.840 – 0.938
154	Dominican Republic	0.892	0.842 – 0.934
155	Zambia	0.891	0.881 – 0.917
156	Swaziland	0.890	0.797 – 0.962
157	Guatemala	0.889	0.797 – 0.959
158	Yugoslavia	0.886	0.827 – 0.939

Rank	Member State	Index	Uncertainty interval
159	Lao People's Democratic Republic	<i>0.885</i>	<i>0.814 – 0.943</i>
160 – 161	Sudan	<i>0.883</i>	<i>0.802 – 0.946</i>
160 – 161	Niger	<i>0.883</i>	<i>0.822 – 0.933</i>
162	Congo	<i>0.881</i>	<i>0.827 – 0.926</i>
163	Haiti	<i>0.875</i>	<i>0.814 – 0.925</i>
164 – 165	Nicaragua	<i>0.874</i>	<i>0.812 – 0.894</i>
164 – 165	Latvia	<i>0.874</i>	<i>0.805 – 0.931</i>
166	Central African Republic	<i>0.872</i>	<i>0.761 – 0.958</i>
167	Kazakhstan	<i>0.867</i>	<i>0.803 – 0.921</i>
168	Chile	<i>0.864</i>	<i>0.771 – 0.937</i>
169	Democratic Republic of the Congo	<i>0.857</i>	<i>0.786 – 0.918</i>
170	Bulgaria	<i>0.856</i>	<i>0.839 – 0.873</i>
171	Kyrgyzstan	<i>0.854</i>	<i>0.853 – 0.894</i>
172	Suriname	<i>0.853</i>	<i>0.774 – 0.917</i>
173 – 174	Albania	<i>0.851</i>	<i>0.765 – 0.921</i>
173 – 174	Burkina Faso	<i>0.851</i>	<i>0.775 – 0.915</i>
175	Zimbabwe	<i>0.850</i>	<i>0.746 – 0.932</i>
176	El Salvador	<i>0.846</i>	<i>0.755 – 0.918</i>
177	Paraguay	<i>0.842</i>	<i>0.827 – 0.848</i>
178	Honduras	<i>0.834</i>	<i>0.728 – 0.917</i>
179	Democratic People's Republic of Korea	<i>0.829</i>	<i>0.752 – 0.893</i>
180	Nigeria	<i>0.827</i>	<i>0.726 – 0.907</i>
181	Armenia	<i>0.822</i>	<i>0.707 – 0.913</i>
182	Cameroon	<i>0.821</i>	<i>0.719 – 0.907</i>
183	Cambodia	<i>0.814</i>	<i>0.676 – 0.916</i>
184	Peru	<i>0.805</i>	<i>0.792 – 0.820</i>
185	Russian Federation	<i>0.802</i>	<i>0.776 – 0.836</i>
186	Nepal	<i>0.714</i>	<i>0.696 – 0.732</i>
187	Viet Nam	<i>0.643</i>	<i>0.632 – 0.672</i>
188	China	<i>0.638</i>	<i>0.472 – 0.774</i>
189	Brazil	<i>0.623</i>	<i>0.620 – 0.683</i>
190	Myanmar	<i>0.582</i>	<i>0.306 – 0.793</i>
191	Sierra Leone	<i>0.468</i>	<i>0.000 – 0.853</i>

^a Figures in italics are based on estimates.

Annex Table 8 Selected national health accounts indicators for all Member States, estimates for 1997^a

Member State	HEALTH EXPENDITURE (%)							PER CAPITA HEALTH EXPENDITURE (US\$)				
	Total expenditure on health as % of GDP	Public expenditure as % of total expenditure on health	Private expenditure as % of total health expenditure	Out-of-pocket expenditure as % of total expenditure on health	Tax-funded and other public expenditure as % of public expenditure on health	Social security expenditure as % of public expenditure on health	Public expenditure on health as % of total public expenditure	Total expenditure at official exchange rate	Out-of-pocket expenditure at official exchange rate	Total expenditure in international dollars	Public expenditure in international dollars	Out-of-pocket expenditure in international dollars ^b
Afghanistan	3.2	40.6	59.4	59.4	100	...	...	2	1	28	11	17
Albania	3.5	77.7	22.3	22.3	82.5	17.5	9.5	26	6	63	49	14
Algeria	3.1	50.8	49.2	49.2	100	...	4.9	44	22	122	62	60
Andorra	7.5	86.7	13.3	13.3	100	...	38.5	1 368	182	1 216	1 055	162
Angola	3.6	59.6	40.4	40.4	100	...	18.2	...	...	47	28	19
Antigua and Barbuda	6.4	57.3	42.7	39.3	100	...	16.0	775	305	598	343	235
Argentina	8.2	57.5	42.5	32.6	39.6	60.4	21.6	676	220	823	473	268
Armenia	7.9	41.5	58.5	58.5	100	...	13.1	36	21	152	63	89
Australia	7.8	72.0	28.0	16.6	100	...	15.5	1 730	287	1 601	1 153	266
Austria	9.0	67.3	32.7	23.6	12.4	87.6	11.9	2 277	536	1 960	1 320	462
Azerbaijan	2.9	79.3	20.7	20.7	100	...	13.3	20	4	48	38	10
Bahamas	5.9	49.9	50.1	46.4	100	...	13.7	785	364	1 230	614	571
Bahrain	4.4	58.5	41.5	37.7	100	...	9.6	478	180	539	315	204
Bangladesh	4.9	46.0	54.0	54.0	100	...	9.1	13	7	70	32	38
Barbados	7.3	62.5	37.5	34.6	100	...	13.7	596	206	814	509	281
Belarus	5.9	82.6	17.4	17.4	100	...	10.0	78	14	253	209	44
Belgium	8.0	83.2	16.8	14.7	18.7	81.3	13.2	1 918	282	1 738	1 446	255
Belize	4.7	51.6	48.4	48.3	100	...	8.2	176	85	212	109	103
Benin	3.0	47.2	52.8	52.8	100	...	5.7	12	6	39	18	21
Bhutan	7.0	46.2	53.8	53.8	100	...	10.1	14	8	82	38	44
Bolivia	5.8	59.1	41.0	33.8	42.7	57.3	10.4	59	20	153	90	52
Bosnia and Herzegovina	7.6	92.6	7.5	7.5	100	...	...	77	6	145	135	11
Botswana	4.2	61.0	39.0	36.4	100	...	5.9	132	48	219	133	80
Brazil	6.5	48.7	51.3	45.6	100	...	9.4	319	145	428	208	195
Brunei Darussalam	5.4	40.6	59.4	59.4	100	...	4.5	...	...	857	348	509
Bulgaria	4.8	81.9	18.1	16.9	99.9	0.1	10.0	59	10	193	158	33
Burkina Faso	4.2	30.9	69.1	69.1	100	...	5.3	8	6	37	12	26
Burundi	4.0	35.6	64.4	64.4	19.2	80.8	6.6	6	4	26	9	17
Cambodia	7.2	9.4	90.6	90.6	100	...	7.0	21	19	73	7	66
Cameroon	5.0	20.1	79.9	79.9	100	...	0.7	31	24	86	17	69
Canada	8.6	72.0	28.0	17.0	98.9	1.1	15.3	1 783	304	1 836	1 322	313
Cape Verde	2.8	63.8	36.2	36.2	100	...	4.2	34	12	60	38	22
Central African Republic	2.9	68.9	31.1	31.1	100	...	6.4	8	3	34	23	10
Chad	4.3	79.3	20.7	20.7	100	...	13.2	7	1	35	28	7
Chile	6.1	49.0	51.0	48.6	24.0	76.0	13.5	315	153	581	285	282
China	2.7	24.9	75.1	75.1	100	...	5.5	20	15	74	18	55
Colombia	9.3	54.5	45.6	25.9	62.5	37.5	17.2	247	64	507	276	131
Comoros	4.5	68.2	31.8	31.8	100	...	8.7	14	4	47	32	15
Congo	5.0	36.6	63.4	63.4	100	...	4.6	58	37	101	37	64
Cook Islands	7.4	76.7	23.3	23.3	100	...	8.6	389	91	345	264	80
Costa Rica	8.7	77.1	23.0	22.3	16.2	83.8	20.1	226	50	489	377	109
Côte d'Ivoire	3.2	38.4	61.6	61.6	100	...	3.3	23	14	57	22	35
Croatia	8.1	79.7	20.3	20.3	2.4	97.6	22.3	352	71	410	327	83
Cuba	6.3	87.5	12.5	12.5	100	...	10.0	131	16	109	96	14
Cyprus	5.9	38.8	61.2	63.1	7.9	92.1	5.6	648	408	731	256	461
Czech Republic	7.6	92.3	7.7	7.7	17.6	82.4	15.9	391	30	640	591	50
Democratic People's Republic of Korea	3.0	83.7	16.4	16.4	100	...	...	37	6	39	33	6
Democratic Republic of the Congo	3.7	0.9	99.1	90.1	100	...	0.1	...	...	22	1	20
Denmark	8.0	84.3	15.7	15.7	100	...	12.9	2 574	403	1 940	1 636	304
Djibouti	2.8	72.9	27.1	27.1	100	...	5.7	23	6	48	35	13
Dominica	6.0	65.0	35.0	31.9	100	...	10.3	282	90	286	186	91
Dominican Republic	4.9	38.5	61.5	36.8	73.0	27.0	10.5	91	33	202	78	74
Ecuador	4.6	52.8	47.2	38.8	59.4	40.6	8.9	75	29	186	98	72
Egypt	3.7	27.0	73.1	73.1	100	...	3.3	44	32	118	32	86
El Salvador	7.0	37.2	62.8	62.8	48.5	51.5	21.2	182	114	228	85	143

Member State	HEALTH EXPENDITURE (%)							PER CAPITA HEALTH EXPENDITURE (US\$)				
	Total expenditure on health as % of GDP	Public expenditure as % of total expenditure on health	Private expenditure as % of total health expenditure	Out-of-pocket expenditure as % of total expenditure on health	Tax-funded and other public expenditure as % of public expenditure on health	Social security expenditure as % of public expenditure on health	Public expenditure on health as % of total public expenditure	Total expenditure at official exchange rate	Out-of-pocket expenditure at official exchange rate	Total expenditure in international dollars	Public expenditure in international dollars	Out-of-pocket expenditure in international dollars ^b
Equatorial Guinea	3.5	57.2	42.9	42.9	100	...	7.9	40	17	89	51	38
Eritrea	3.4	55.7	44.3	44.3	100	...	3.4	6	3	24	13	11
Estonia	6.4	78.9	21.2	21.2	8.4	91.6	10.5	204	43	346	273	73
Ethiopia	3.8	36.2	63.8	63.8	100	...	6.1	4	3	20	7	13
Fiji	4.2	69.2	30.8	30.8	100	...	8.3	115	35	214	148	66
Finland	7.6	73.7	26.3	19.3	80.4	19.6	10.7	1 789	345	1 539	1 134	297
France	9.8	76.9	23.1	20.4	3.3	96.7	13.8	2 369	482	2 125	1 634	433
Gabon	3.0	66.5	33.5	33.5	100	...	6.2	138	46	196	130	66
Gambia	4.5	45.9	54.1	54.1	100	...	7.3	12	6	52	24	28
Georgia	4.4	8.6	91.4	91.4	100	...	3.4	45	41	94	8	86
Germany	10.5	77.5	22.5	11.3	23.4	76.6	14.7	2 713	306	2 365	1 832	267
Ghana	3.1	47.0	53.0	53.0	100	...	6.9	11	6	45	21	24
Greece	8.0	65.8	34.2	31.7	64.8	35.2	12.6	905	287	964	634	306
Grenada	6.3	46.6	53.4	49.2	100	...	10.2	305	150	298	139	147
Guatemala	2.4	62.5	37.5	29.9	53.7	46.3	12.2	41	12	87	55	26
Guinea	3.5	57.2	42.8	42.8	100	...	9.7	19	8	52	30	22
Guinea-Bissau	5.7	75.6	24.4	24.4	100	...	38.8	13	3	54	41	13
Guyana	5.1	79.1	21.0	19.7	100	...	11.1	45	9	130	103	26
Haiti	4.6	33.6	66.4	62.5	100	...	13.8	18	11	55	18	34
Honduras	7.5	36.0	64.0	60.1	74.6	25.5	13.0	59	35	156	56	94
Hungary	5.3	84.9	15.1	15.1	58.9	41.1	9.2	236	36	372	316	56
Iceland	7.9	83.8	16.2	16.2	68.8	31.2	18.9	2 149	347	1 757	1 473	284
India	5.2	13.0	87.0	84.6	100	...	3.9	23	19	84	11	71
Indonesia	1.7	36.8	63.2	47.4	100	...	3.0	18	8	56	21	26
Iran, Islamic Republic of	4.4	42.8	57.2	57.2	83.0	17.1	7.2	108	62	200	86	114
Iraq	4.2	58.9	41.1	41.1	100	...	...	251	103	110	65	45
Ireland	6.2	77.3	22.7	...	100	...	17.1	1 326	...	1 200	928	...
Israel	8.2	75.0	25.0	19.1	66.3	33.7	12.8	1 385	264	1 402	1 051	267
Italy	9.3	57.1	42.9	41.8	100	...	10.5	1 855	774	1 824	1 042	762
Jamaica	6.0	56.5	43.5	23.3	100	...	8.9	149	35	212	120	49
Japan	7.1	80.2	19.9	19.9	15.3	84.7	16.2	2 373	471	1 759	1 410	349
Jordan	5.2	67.2	32.8	32.8	100	...	8.5	59	19	178	119	58
Kazakhstan	3.9	63.6	36.4	36.4	57.6	42.4	10.3	62	22	127	81	46
Kenya	4.6	64.1	35.9	35.9	100	...	11.2	17	6	58	37	21
Kiribati	9.9	99.3	0.7	0.7	100	...	14.0	122	1	152	151	1
Kuwait	3.3	87.4	12.6	12.6	100	...	8.4	572	72	605	529	76
Kyrgyzstan	4.0	69.6	30.4	30.4	95.3	4.7	9.7	15	5	66	46	20
Lao People's Democratic Republic	3.6	62.7	37.3	37.3	100	...	8.6	13	5	53	33	20
Latvia	6.1	61.0	39.0	39.0	48.3	51.7	9.0	140	54	246	150	96
Lebanon	10.1	29.6	70.4	53.8	100	...	7.8	461	248	563	167	303
Lesotho	5.6	72.6	27.4	27.4	100	...	12.4	28	8	100	73	27
Liberia	3.0	66.7	33.3	33.3	100	...	6.7	31	10	33	22	11
Libyan Arab Jamahiriya	3.4	54.2	45.8	45.8	100	...	2.7	296	136	221	120	102
Lithuania	6.4	75.7	24.3	24.3	18.7	81.3	11.4	167	40	273	207	66
Luxembourg	6.6	91.4	8.6	7.2	17.1	83.0	13.0	2 580	185	1 985	1 815	142
Madagascar	2.1	53.8	46.2	46.2	100	...	6.6	5	2	18	10	8
Malawi	5.8	59.2	40.8	36.7	100	...	13.3	15	5	49	29	18
Malaysia	2.4	57.6	42.4	42.4	100	...	5.1	110	46	202	116	85
Maldives	8.2	63.9	36.1	36.1	100	...	11.0	107	39	248	159	90
Mali	4.2	45.8	54.2	48.7	100	...	7.9	10	5	34	15	16
Malta	6.3	58.9	41.1	38.0	1.5	98.5	8.9	551	209	755	445	287
Marshall Islands	9.0	74.3	25.7	25.7	100	...	13.1	253	65	238	177	61
Mauritania	5.6	30.3	69.7	69.7	100	...	6.6	24	17	73	22	51
Mauritius	3.5	52.9	47.1	47.1	100	...	7.7	129	61	288	152	136
Mexico	5.6	41.0	59.1	52.9	26.4	73.6	6.0	240	127	421	172	222

Annex Table 8 Selected national health accounts indicators for all Member States, estimates for 1997^a

Member State	HEALTH EXPENDITURE (%)							PER CAPITA HEALTH EXPENDITURE (US\$)				
	Total expenditure on health as % of GDP	Public expenditure as % of total expenditure on health	Private expenditure as % of total health expenditure	Out-of-pocket expenditure as % of total expenditure on health	Tax-funded and other public expenditure as % of public expenditure on health	Social security expenditure as % of public expenditure on health	Public expenditure on health as % of total public expenditure	Total expenditure at official exchange rate	Out-of-pocket expenditure at official exchange rate	Total expenditure in international dollars	Public expenditure in international dollars	Out-of-pocket expenditure in international dollars ^b
Micronesia, Federated States of	7.4	92.3	7.8	7.8	100	...	46.3	242	19	234	216	18
Monaco	8.0	62.5	37.5	37.5	26.0	74.0	...	1 264	474	1 799	1 124	675
Mongolia	4.3	82.0	18.0	4.9	84.7	15.3	13.3	16	1	69	56	3
Morocco	5.3	40.7	59.3	59.3	48.8	51.2	6.5	66	39	159	65	95
Mozambique	5.8	71.3	28.7	19.6	100	...	9.3	5	1	50	36	10
Myanmar	2.6	12.6	87.4	87.4	100	...	3.7	100	88	78	10	69
Namibia	7.5	51.7	48.3	48.3	100	...	10.2	153	74	312	161	150
Nauru	5.0	99.0	1.0	1.0	100	...	9.1	593	6	602	596	6
Nepal	3.7	26.0	74.0	74.0	100	...	5.3	8	6	41	11	30
Netherlands	8.8	70.7	29.3	16.8	100	...	12.7	2 041	343	1 911	1 351	321
New Zealand	8.2	71.7	28.3	22.0	100	...	12.7	1 416	312	1 393	999	307
Nicaragua	8.0	53.3	46.7	39.9	80.1	20.0	13.0	35	14	150	80	60
Niger	3.5	46.6	53.4	53.4	100	...	6.0	5	3	27	13	14
Nigeria	3.1	28.2	71.8	71.8	100	...	5.4	30	22	35	10	25
Niue	5.7	87.6	12.4	12.4	100	...	...	91	11	92	81	11
Norway	6.5	82.0	18.0	18.0	100	...	12.1	2 283	412	1 708	1 400	308
Oman	3.9	54.5	45.5	35.9	...	...	5.6	370	133	334	182	120
Pakistan	4.0	22.9	77.1	77.1	100	...	2.9	17	13	71	16	55
Palau	6.0	90.0	10.0	10.0	100	...	15.0	552	55	559	503	56
Panama	7.5	74.0	26.0	26.0	44.5	55.5	20.7	238	62	449	332	117
Papua New Guinea	3.1	77.6	22.4	22.4	100	...	7.5	36	8	77	59	17
Paraguay	5.6	35.6	64.4	55.4	49.8	50.2	14.6	106	59	206	73	114
Peru	5.6	39.7	60.3	50.2	44.2	55.8	13.0	149	75	246	98	123
Philippines	3.4	48.5	51.5	49.1	100	...	7.2	40	19	100	48	49
Poland	6.2	71.6	28.4	28.4	100	...	10.1	229	65	392	281	111
Portugal	8.2	57.5	42.5	40.9	100	...	10.8	845	345	1 060	609	433
Qatar	6.5	57.5	42.5	42.5	100	...	7.6	1 042	443	1 105	635	470
Republic of Korea	6.7	37.8	62.3	43.0	72.1	27.9	12.4	700	301	862	325	371
Republic of Moldova	8.3	75.1	24.9	24.9	100	...	12.4	35	9	133	100	33
Romania	3.8	60.3	39.8	39.8	100	...	6.7	59	23	136	82	54
Russian Federation	5.4	76.8	23.2	23.2	100	...	22.9	158	37	251	193	58
Rwanda	4.3	50.1	49.9	49.9	100	...	17.7	13	7	35	18	18
Saint Kitts and Nevis	6.0	51.5	48.5	44.7	100	...	10.4	404	181	489	252	219
Saint Lucia	4.0	65.1	34.9	32.2	100	...	9.0	211	68	218	142	70
Saint Vincent and the Grenadines	5.9	66.5	33.5	31.4	100	...	9.5	211	68	210	138	67
Samoa	3.8	88.9	11.1	11.1	100	...	9.1	47	5	108	96	12
San Marino	7.5	73.5	26.5	26.5	33.3	66.7	15.0	2 257	598	1 301	956	345
Sao Tome and Principe	4.0	75.0	25.0	25.0	100	...	4.3	13	3	45	34	11
Saudi Arabia	3.5	80.2	19.8	6.3	100	...	9.4	260	27	332	297	35
Senegal	4.5	55.7	44.3	44.3	100	...	13.2	23	10	71	40	32
Seychelles	5.9	76.2	23.8	23.8	100	...	8.4	424	101	470	358	112
Sierra Leone	4.9	9.7	90.3	90.3	100	...	3.1	11	10	31	3	28
Singapore	3.1	35.8	64.2	64.2	100	...	5.5	876	563	750	268	481
Slovakia	8.6	81.8	18.2	18.2	0.3	99.7	14.1	311	57	574	470	105
Slovenia	9.4	80.8	19.2	10.2	13.0	87.0	16.6	857	87	996	805	101
Solomon Islands	3.2	99.3	0.7	0.7	100	...	5.2	19	...	83	83	1
Somalia	1.5	71.4	28.6	28.6	100	...	...	11	3	11	8	3
South Africa	7.1	46.5	53.5	46.3	100	...	9.8	268	124	396	184	183
Spain	8.0	70.6	29.4	20.4	41.0	59.0	13.3	1 071	218	1 211	855	247
Sri Lanka	3.0	45.4	54.7	51.8	100	...	5.2	25	13	77	35	40
Sudan	3.5	20.9	79.1	79.1	100	...	9.6	13	10	43	9	34
Suriname	7.6	34.0	66.0	66.0	100	...	5.0	114	75	257	87	169
Swaziland	3.4	72.3	27.7	27.7	100	...	8.2	49	13	118	86	33
Sweden	9.2	78.0	22.0	22.0	100	...	11.5	2 456	540	1 943	1 516	427
Switzerland	10.1	69.3	30.7	29.7	22.1	77.9	13.3	3 564	1 057	2 644	1 833	784

Member State	HEALTH EXPENDITURE (%)							PER CAPITA HEALTH EXPENDITURE (US\$)				
	Total expenditure on health as % of GDP	Public expenditure as % of total expenditure on health	Private expenditure as % of total health expenditure	Out-of-pocket expenditure as % of total expenditure on health	Tax-funded and other public expenditure as % of public expenditure on health	Social security expenditure as % of public expenditure on health	Public expenditure on health as % of total public expenditure	Total expenditure at official exchange rate	Out-of-pocket expenditure at official exchange rate	Total expenditure in international dollars	Public expenditure in international dollars	Out-of-pocket expenditure in international dollars ^b
Syrian Arab Republic	2.5	33.6	66.4	66.4	100	...	2.9	151	101	109	37	72
Tajikistan	7.6	87.8	12.2	12.2	100	...	39.6	11	1	94	82	11
Thailand	5.7	33.0	67.0	65.4	88.7	11.3	10.2	133	92	327	108	214
The former Yugoslav Republic of Macedonia	6.1	84.8	15.2	15.2	100	...	15.6	120	18	141	119	21
Togo	2.8	42.8	57.2	57.2	100	...	4.3	9	5	34	15	20
Tonga	7.8	46.0	54.0	54.0	100	...	13.2	141	76	257	118	139
Trinidad and Tobago	4.3	58.6	41.4	38.2	100	...	8.8	197	75	325	190	124
Tunisia	5.4	41.7	58.3	53.0	59.6	40.4	7.2	111	59	239	100	127
Turkey	3.9	74.0	26.0	23.3	65.1	34.9	10.9	118	27	231	171	54
Turkmenistan	4.3	86.0	14.0	14.0	100	...	13.9	24	3	90	77	13
Tuvalu	5.9	91.5	8.5	8.5	100	...	12.7	813	69	59	54	5
Uganda	4.1	35.1	64.9	48.2	100	...	9.9	14	9	44	17	27
Ukraine	5.6	75.5	24.5	24.5	100	...	9.6	54	13	128	96	31
United Arab Emirates	4.2	35.4	64.6	3.8	100	...	12.6	900	42	816	262	38
United Kingdom	5.8	96.9	3.1	3.1	100	...	14.3	1 303	40	1 193	1 156	37
United Republic of Tanzania	4.8	60.7	39.3	39.3	100	...	27.2	12	5	36	22	14
United States of America	13.7	44.1	55.9	16.6	57.9	42.1	18.5	4 187	696	3 724	1 643	619
Uruguay	10.0	20.3	79.7	21.4	89.0	11.0	6.0	660	141	849	172	182
Uzbekistan	4.2	80.9	19.1	19.1	100	...	10.3	24	5	109	88	21
Vanuatu	3.3	64.3	35.8	35.8	100	...	9.6	47	17	85	55	30
Venezuela, Bolivarian Republic of	3.9	67.4	32.6	32.6	66.6	33.4	10.5	150	49	298	201	97
Viet Nam	4.8	20.0	80.0	80.0	100	...	4.4	17	14	65	13	52
Yemen	3.4	37.9	62.1	62.1	100	...	3.3	12	7	33	12	20
Yugoslavia	4.5	64.8	35.2	35.2	100	...	...	127	28	127	98	28
Zambia	5.9	38.2	61.8	42.4	100	...	9.7	27	11	64	34	25
Zimbabwe	6.2	43.4	56.6	38.2	100	...	10.2	46	24	130	62	67

^a Normal typeface indicates complete data with high reliability.

Italics indicate incomplete data with high to medium reliability.

Grey figures indicate incomplete data with low reliability.

Measured expenditure and orders 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 system's developmental process.

^b Out-of-pocket expenditure in international dollars does not include voluntary health insurance and other private expenditures.

... Data not available or not applicable.

Annex Table 9 Overall health system attainment in all Member States, WHO index, estimates for 1997

Rank	Uncertainty interval	Member State	Index	Uncertainty interval
1	1	Japan	93.4	92.6 – 94.3
2	2 – 8	Switzerland	92.2	91.2 – 93.3
3	2 – 6	Norway	92.2	91.4 – 93.1
4	2 – 11	Sweden	92.0	91.1 – 93.0
5	2 – 11	Luxembourg	92.0	91.0 – 93.0
6	3 – 11	France	91.9	91.0 – 92.9
7	4 – 14	Canada	91.7	90.8 – 92.6
8	4 – 15	Netherlands	91.6	90.7 – 92.5
9	6 – 13	United Kingdom	91.6	90.9 – 92.3
10	6 – 18	Austria	91.5	90.5 – 92.4
11	7 – 21	Italy	91.4	90.5 – 92.2
12	7 – 19	Australia	91.3	90.4 – 92.2
13	7 – 18	Belgium	91.3	90.2 – 92.3
14	8 – 20	Germany	91.3	90.4 – 92.2
15	7 – 24	United States of America	91.1	89.9 – 92.3
16	10 – 23	Iceland	91.0	90.0 – 92.1
17	9 – 23	Andorra	91.0	90.1 – 92.0
18	9 – 23	Monaco	91.0	90.0 – 92.0
19	12 – 23	Spain	91.0	90.1 – 91.8
20	13 – 24	Denmark	90.9	90.0 – 91.8
21	12 – 24	San Marino	90.9	90.0 – 91.7
22	13 – 25	Finland	90.8	89.8 – 91.7
23	17 – 25	Greece	90.5	89.7 – 91.3
24	18 – 26	Israel	90.5	89.6 – 91.3
25	20 – 26	Ireland	90.2	89.3 – 91.1
26	22 – 26	New Zealand	90.1	89.3 – 91.0
27	26 – 30	Singapore	88.9	87.4 – 90.3
28	27 – 31	Cyprus	88.6	87.4 – 89.6
29	27 – 32	Slovenia	87.9	86.5 – 89.2
30	28 – 33	Czech Republic	87.8	86.9 – 88.7
31	29 – 32	Malta	87.7	86.9 – 88.5
32	29 – 32	Portugal	87.6	86.3 – 88.9
33	30 – 42	Chile	86.0	84.6 – 87.2
34	33 – 37	Poland	85.8	85.0 – 86.6
35	33 – 37	Republic of Korea	85.7	83.4 – 87.7
36	35 – 41	Croatia	85.1	83.8 – 86.4
37	34 – 40	Brunei Darussalam	84.9	83.4 – 86.3
38	34 – 41	Barbados	84.9	83.7 – 86.0
39	35 – 43	Slovakia	84.7	83.0 – 86.0
40	38 – 41	Cuba	84.2	83.5 – 85.0
41	37 – 45	Colombia	83.8	82.6 – 84.9
42	39 – 46	Dominica	83.4	82.0 – 84.6
43	39 – 47	Hungary	83.4	82.2 – 84.4
44	42 – 50	United Arab Emirates	82.8	81.8 – 83.7
45	42 – 48	Costa Rica	82.5	81.7 – 83.4
46	44 – 52	Kuwait	82.3	81.2 – 83.3
47	43 – 52	Qatar	82.2	81.2 – 83.2
48	44 – 55	Estonia	81.7	80.2 – 83.1
49	46 – 56	Argentina	81.6	80.4 – 82.7
50	46 – 63	Uruguay	81.2	79.7 – 82.8
51	45 – 60	Mexico	81.1	79.2 – 82.7
52	48 – 60	Lithuania	81.0	79.5 – 82.5
53	49 – 62	Belarus	81.0	80.0 – 82.0

Rank	Uncertainty interval	Member State	Index	Uncertainty interval
54	48 – 61	Philippines	80.9	79.6 – 82.0
55	48 – 59	Malaysia	80.8	79.2 – 82.2
56	46 – 65	Trinidad and Tobago	80.8	79.2 – 82.5
57	45 – 64	Thailand	80.7	78.8 – 82.5
58	53 – 61	Bahrain	80.4	79.3 – 81.3
59	54 – 62	Oman	80.2	79.2 – 81.1
60	53 – 66	Ukraine	80.1	78.5 – 81.5
61	55 – 63	Saudi Arabia	80.0	79.0 – 80.9
62	55 – 81	Kazakhstan	79.0	76.7 – 81.1
63	61 – 70	Palau	78.8	77.8 – 79.8
64	60 – 78	Bahamas	78.6	77.2 – 80.0
65	62 – 74	Venezuela, Bolivarian Republic of	78.5	77.4 – 79.6
66	58 – 90	Dominican Republic	78.1	76.0 – 80.3
67	63 – 88	Latvia	78.0	76.2 – 79.9
68	63 – 86	Grenada	77.9	76.8 – 78.9
69	64 – 84	Jamaica	77.9	76.4 – 79.4
70	65 – 85	Panama	77.9	76.9 – 78.8
71	64 – 84	Antigua and Barbuda	77.9	76.6 – 79.1
72	65 – 82	Romania	77.8	75.9 – 79.5
73	60 – 90	Paraguay	77.8	76.5 – 79.0
74	66 – 85	Bulgaria	77.6	76.9 – 78.4
75	69 – 83	Nauru	77.6	75.6 – 79.6
76	66 – 89	Georgia	77.5	76.6 – 78.4
77	62 – 92	Tunisia	77.5	76.4 – 78.5
78	69 – 86	Fiji	77.4	76.0 – 78.7
79	67 – 90	Bosnia and Herzegovina	77.3	75.8 – 78.7
80	70 – 89	Sri Lanka	77.3	76.1 – 78.3
81	64 – 105	Armenia	77.0	76.0 – 77.9
82	73 – 91	Samoa	76.9	75.9 – 78.0
83	74 – 90	Seychelles	76.8	75.8 – 77.8
84	75 – 91	Jordan	76.7	74.2 – 79.2
85	74 – 94	Tonga	76.7	75.6 – 77.8
86	65 – 101	Albania	76.7	73.7 – 79.2
87	75 – 93	Saint Lucia	76.7	75.5 – 77.9
88	72 – 101	Cook Islands	76.5	74.4 – 78.1
89	76 – 97	The former Yugoslav Republic of Macedonia	76.4	74.9 – 77.7
90	79 – 97	Mauritius	76.2	75.0 – 77.3
91	78 – 99	Republic of Moldova	76.1	74.6 – 77.6
92	82 – 100	Saint Vincent and the Grenadines	75.9	74.5 – 77.1
93	84 – 100	Lebanon	75.7	74.5 – 76.9
94	76 – 104	Morocco	75.7	73.8 – 77.5
95	82 – 104	Yugoslavia	75.5	73.7 – 77.2
96	88 – 104	Turkey	75.4	74.1 – 76.6
97	87 – 103	Libyan Arab Jamahiriya	75.3	73.9 – 76.5
98	90 – 107	Saint Kitts and Nevis	74.8	73.2 – 76.2
99	95 – 110	Algeria	74.4	73.6 – 75.2
100	96 – 107	Russian Federation	74.3	72.9 – 75.8
101	92 – 110	Nicaragua	74.2	72.7 – 75.5
102	96 – 110	Niue	74.1	72.6 – 75.4
103	95 – 112	Azerbaijan	74.0	72.1 – 75.7
104	96 – 112	Belize	74.0	71.7 – 76.5
105	93 – 113	Suriname	73.9	72.7 – 75.0

Annex Table 9 Overall health system attainment in all Member States, WHO index, estimates for 1997

Rank	Uncertainty interval	Member State	Index	Uncertainty interval
106	98 – 110	Indonesia	73.8	71.8 – 75.8
107	87 – 114	Ecuador	73.8	72.3 – 75.3
108	99 – 113	Solomon Islands	73.7	70.8 – 76.5
109	88 – 117	Uzbekistan	73.5	71.6 – 75.4
110	95 – 114	Egypt	73.5	71.8 – 74.9
111	106 – 116	Micronesia, Federated States of	72.4	70.9 – 73.8
112	105 – 117	Syrian Arab Republic	72.4	70.7 – 74.0
113	102 – 123	Guatemala	72.3	70.7 – 73.9
114	106 – 118	Iran, Islamic Republic of	72.0	69.5 – 74.2
115	110 – 120	Peru	71.5	70.3 – 72.7
116	111 – 125	Guyana	71.0	69.0 – 72.5
117	112 – 125	Bolivia	70.7	69.1 – 72.5
118	113 – 126	Senegal	70.5	68.9 – 72.1
119	115 – 127	Marshall Islands	70.3	68.6 – 71.6
120	115 – 127	Tuvalu	70.2	68.6 – 71.6
121	117 – 124	India	70.1	69.3 – 71.0
122	114 – 133	El Salvador	69.6	67.1 – 71.9
123	117 – 131	Kiribati	69.5	67.7 – 70.9
124	120 – 133	Iraq	69.0	67.4 – 70.6
125	118 – 133	Brazil	68.9	67.1 – 70.4
126	122 – 137	Cape Verde	68.3	66.1 – 70.1
127	121 – 136	Tajikistan	68.3	66.2 – 70.1
128	124 – 136	Maldives	68.0	66.2 – 69.5
129	121 – 140	Honduras	67.8	66.0 – 69.8
130	124 – 139	Turkmenistan	67.7	64.9 – 70.4
131	122 – 138	Bangladesh	67.6	65.8 – 69.4
132	118 – 145	China	67.5	65.2 – 69.6
133	124 – 138	Pakistan	67.3	63.0 – 70.9
134	128 – 139	Vanuatu	67.1	64.7 – 69.1
135	128 – 140	Kyrgyzstan	67.0	65.2 – 68.5
136	125 – 141	Mongolia	67.0	65.2 – 68.5
137	123 – 145	Comoros	66.4	63.4 – 69.6
138	132 – 143	Sao Tome and Principe	65.9	64.0 – 67.6
139	127 – 145	Ghana	65.8	63.2 – 68.6
140	133 – 142	Viet Nam	65.8	64.6 – 66.9
141	138 – 148	Gabon	64.5	62.7 – 66.2
142	137 – 147	Kenya	64.3	62.4 – 66.0
143	136 – 150	Benin	64.2	61.5 – 66.6
144	141 – 153	Bhutan	63.1	61.1 – 64.8
145	138 – 157	Haiti	62.8	59.7 – 66.2
146	140 – 160	Yemen	62.3	59.7 – 64.8
147	141 – 159	Zimbabwe	62.3	59.1 – 65.3
148	141 – 158	Sudan	62.3	59.4 – 65.0
149	142 – 159	Democratic People's Republic of Korea	62.2	59.5 – 64.4
150	144 – 159	Papua New Guinea	62.0	59.7 – 63.8
151	146 – 164	South Africa	61.0	58.4 – 63.1
152	151 – 164	Equatorial Guinea	60.2	58.0 – 61.9
153	150 – 165	Gambia	60.2	58.1 – 62.5
154	147 – 168	Lao People's Democratic Republic	60.1	57.9 – 62.1
155	151 – 165	Congo	60.1	57.9 – 62.2
156	149 – 165	Togo	60.0	57.3 – 62.5
157	148 – 165	Côte d'Ivoire	60.0	57.7 – 62.1
158	148 – 166	United Republic of Tanzania	60.0	58.0 – 62.1

Rank	Uncertainty interval	Member State	Index	Uncertainty interval
159	149 – 170	Burkina Faso	59.4	57.5 – 61.4
160	151 – 168	Nepal	59.3	56.4 – 62.1
161	149 – 170	Burundi	59.3	56.4 – 62.1
162	152 – 169	Uganda	59.3	56.4 – 62.1
163	148 – 173	Cameroon	59.1	54.9 – 62.8
164	152 – 172	Swaziland	59.0	56.7 – 61.3
165	149 – 170	Namibia	58.8	55.7 – 61.3
166	153 – 175	Cambodia	58.2	54.3 – 61.3
167	157 – 173	Madagascar	57.8	55.3 – 60.2
168	161 – 173	Botswana	57.4	55.5 – 58.9
169	162 – 174	Mauritania	57.2	55.0 – 59.2
170	163 – 175	Djibouti	56.8	54.9 – 58.4
171	162 – 177	Rwanda	56.5	54.1 – 58.9
172	167 – 176	Guinea	56.3	53.9 – 58.3
173	164 – 177	Lesotho	56.0	54.0 – 57.7
174	163 – 180	Zambia	55.6	53.0 – 58.4
175	162 – 190	Myanmar	53.7	51.3 – 56.0
176	173 – 183	Eritrea	53.7	51.5 – 55.5
177	172 – 183	Chad	53.6	46.7 – 59.2
178	174 – 183	Mali	53.3	50.9 – 55.6
179	176 – 186	Democratic Republic of the Congo	52.6	49.7 – 55.7
180	175 – 186	Guinea-Bissau	52.4	49.8 – 54.8
181	176 – 186	Angola	52.4	49.7 – 54.6
182	173 – 187	Malawi	52.3	49.5 – 54.7
183	177 – 186	Afghanistan	52.1	49.8 – 54.0
184	176 – 188	Nigeria	51.7	48.5 – 54.7
185	178 – 189	Mozambique	50.6	48.2 – 53.2
186	182 – 189	Ethiopia	50.5	47.8 – 53.3
187	179 – 189	Liberia	50.4	48.0 – 52.4
188	180 – 189	Niger	50.1	47.0 – 53.4
189	183 – 189	Somalia	49.4	46.1 – 52.4
190	184 – 190	Central African Republic	45.9	39.0 – 52.0
191	191	Sierra Leone	35.7	23.7 – 43.8

Annex Table 10 Health system performance in all Member States, WHO indexes, estimates for 1997

PERFORMANCE ON HEALTH LEVEL (DALE)					OVERALL PERFORMANCE				
Rank	Uncertainty interval	Member State	Index	Uncertainty interval	Rank	Uncertainty interval	Member State	Index	Uncertainty interval
1	1 – 5	Oman	0.992	0.975 – 1.000	1	1 – 5	France	0.994	0.982 – 1.000
2	1 – 4	Malta	0.989	0.968 – 1.000	2	1 – 5	Italy	0.991	0.978 – 1.000
3	2 – 7	Italy	0.976	0.957 – 0.994	3	1 – 6	San Marino	0.988	0.973 – 1.000
4	2 – 7	France	0.974	0.953 – 0.994	4	2 – 7	Andorra	0.982	0.966 – 0.997
5	2 – 7	San Marino	0.971	0.949 – 0.988	5	3 – 7	Malta	0.978	0.965 – 0.993
6	3 – 8	Spain	0.968	0.948 – 0.989	6	2 – 11	Singapore	0.973	0.947 – 0.998
7	4 – 9	Andorra	0.964	0.942 – 0.980	7	4 – 8	Spain	0.972	0.959 – 0.985
8	3 – 12	Jamaica	0.956	0.928 – 0.986	8	4 – 14	Oman	0.961	0.938 – 0.985
9	7 – 11	Japan	0.945	0.926 – 0.963	9	7 – 12	Austria	0.959	0.946 – 0.972
10	8 – 15	Saudi Arabia	0.936	0.915 – 0.959	10	8 – 11	Japan	0.957	0.948 – 0.965
11	9 – 13	Greece	0.936	0.920 – 0.951	11	8 – 12	Norway	0.955	0.947 – 0.964
12	9 – 16	Monaco	0.930	0.908 – 0.948	12	10 – 15	Portugal	0.945	0.931 – 0.958
13	10 – 15	Portugal	0.929	0.911 – 0.945	13	10 – 16	Monaco	0.943	0.929 – 0.957
14	10 – 15	Singapore	0.929	0.909 – 0.942	14	13 – 19	Greece	0.933	0.921 – 0.945
15	13 – 17	Austria	0.914	0.896 – 0.931	15	12 – 20	Iceland	0.932	0.917 – 0.948
16	13 – 23	United Arab Emirates	0.907	0.883 – 0.932	16	14 – 21	Luxembourg	0.928	0.914 – 0.942
17	14 – 22	Morocco	0.906	0.886 – 0.925	17	14 – 21	Netherlands	0.928	0.914 – 0.942
18	16 – 23	Norway	0.897	0.878 – 0.914	18	16 – 21	United Kingdom	0.925	0.913 – 0.937
19	17 – 24	Netherlands	0.893	0.875 – 0.911	19	14 – 22	Ireland	0.924	0.909 – 0.939
20	15 – 31	Solomon Islands	0.892	0.863 – 0.920	20	17 – 24	Switzerland	0.916	0.903 – 0.930
21	18 – 26	Sweden	0.890	0.870 – 0.907	21	18 – 24	Belgium	0.915	0.903 – 0.926
22	19 – 28	Cyprus	0.885	0.865 – 0.898	22	14 – 29	Colombia	0.910	0.881 – 0.939
23	19 – 30	Chile	0.884	0.864 – 0.903	23	20 – 26	Sweden	0.908	0.893 – 0.921
24	21 – 28	United Kingdom	0.883	0.866 – 0.900	24	16 – 30	Cyprus	0.906	0.879 – 0.932
25	18 – 32	Costa Rica	0.882	0.859 – 0.898	25	22 – 27	Germany	0.902	0.890 – 0.914
26	21 – 31	Switzerland	0.879	0.860 – 0.891	26	22 – 32	Saudi Arabia	0.894	0.872 – 0.916
27	21 – 31	Iceland	0.879	0.861 – 0.897	27	23 – 33	United Arab Emirates	0.886	0.861 – 0.911
28	23 – 30	Belgium	0.878	0.860 – 0.894	28	26 – 32	Israel	0.884	0.870 – 0.897
29	23 – 33	Venezuela, Bolivarian Republic of	0.873	0.853 – 0.891	29	18 – 39	Morocco	0.882	0.834 – 0.925
30	23 – 37	Bahrain	0.867	0.843 – 0.890	30	27 – 32	Canada	0.881	0.868 – 0.894
31	28 – 35	Luxembourg	0.864	0.847 – 0.881	31	27 – 33	Finland	0.881	0.866 – 0.895
32	29 – 38	Ireland	0.859	0.840 – 0.870	32	28 – 34	Australia	0.876	0.861 – 0.891
33	27 – 40	Turkey	0.858	0.835 – 0.878	33	22 – 43	Chile	0.870	0.816 – 0.918
34	25 – 48	Belize	0.853	0.821 – 0.884	34	32 – 36	Denmark	0.862	0.848 – 0.874
35	33 – 40	Canada	0.849	0.832 – 0.864	35	31 – 41	Dominica	0.854	0.824 – 0.883
36	32 – 42	Cuba	0.849	0.830 – 0.866	36	33 – 40	Costa Rica	0.849	0.825 – 0.871
37	30 – 49	El Salvador	0.846	0.817 – 0.873	37	35 – 44	United States of America	0.838	0.817 – 0.859
38	28 – 52	Saint Vincent and the Grenadines	0.845	0.812 – 0.876	38	34 – 46	Slovenia	0.838	0.813 – 0.859
39	35 – 43	Australia	0.844	0.826 – 0.861	39	36 – 44	Cuba	0.834	0.816 – 0.852
40	36 – 44	Israel	0.841	0.825 – 0.858	40	36 – 48	Brunei Darussalam	0.829	0.808 – 0.849
41	39 – 47	Germany	0.836	0.819 – 0.852	41	38 – 45	New Zealand	0.827	0.815 – 0.840
42	33 – 54	Dominican Republic	0.834	0.806 – 0.863	42	37 – 48	Bahrain	0.824	0.804 – 0.845
43	37 – 53	Egypt	0.829	0.811 – 0.849	43	39 – 53	Croatia	0.812	0.782 – 0.837
44	41 – 50	Finland	0.829	0.812 – 0.844	44	41 – 51	Qatar	0.812	0.793 – 0.831
45	38 – 55	Algeria	0.829	0.808 – 0.850	45	41 – 52	Kuwait	0.810	0.790 – 0.830
46	41 – 55	Tunisia	0.824	0.803 – 0.844	46	41 – 53	Barbados	0.808	0.779 – 0.834
47	38 – 58	Yugoslavia	0.824	0.798 – 0.848	47	36 – 59	Thailand	0.807	0.759 – 0.852
48	40 – 61	Honduras	0.820	0.793 – 0.844	48	43 – 54	Czech Republic	0.805	0.781 – 0.825
49	37 – 63	Grenada	0.819	0.789 – 0.850	49	42 – 55	Malaysia	0.802	0.772 – 0.830
50	42 – 59	Uruguay	0.819	0.794 – 0.842	50	45 – 59	Poland	0.793	0.762 – 0.819
51	41 – 64	Colombia	0.814	0.787 – 0.843	51	38 – 67	Dominican Republic	0.789	0.735 – 0.845
52	42 – 65	Paraguay	0.813	0.785 – 0.842	52	41 – 67	Tunisia	0.785	0.741 – 0.832
53	43 – 64	Qatar	0.813	0.786 – 0.839	53	47 – 62	Jamaica	0.782	0.754 – 0.809
54	43 – 69	Saint Lucia	0.809	0.781 – 0.837	54	50 – 64	Venezuela, Bolivarian Republic of	0.775	0.745 – 0.803
55	41 – 70	Cape Verde	0.808	0.776 – 0.842	55	41 – 75	Albania	0.774	0.709 – 0.834

PERFORMANCE ON HEALTH LEVEL (DALE)					OVERALL PERFORMANCE				
Rank	Uncertainty interval	Member State	Index	Uncertainty interval	Rank	Uncertainty interval	Member State	Index	Uncertainty interval
56	47 – 64	Armenia	0.806	0.785 – 0.823	56	51 – 63	Seychelles	0.773	0.747 – 0.797
57	51 – 61	Croatia	0.805	0.789 – 0.821	57	47 – 77	Paraguay	0.761	0.714 – 0.806
58	48 – 65	Iran, Islamic Republic of	0.805	0.783 – 0.827	58	55 – 67	Republic of Korea	0.759	0.740 – 0.776
59	45 – 73	Dominica	0.804	0.774 – 0.833	59	50 – 78	Senegal	0.756	0.711 – 0.800
60	49 – 67	Azerbaijan	0.803	0.781 – 0.820	60	53 – 73	Philippines	0.755	0.720 – 0.789
61	52 – 65	China	0.800	0.782 – 0.813	61	52 – 74	Mexico	0.755	0.719 – 0.789
62	55 – 66	Slovenia	0.797	0.781 – 0.813	62	54 – 73	Slovakia	0.754	0.721 – 0.781
63	56 – 73	Mexico	0.789	0.771 – 0.808	63	49 – 81	Egypt	0.752	0.707 – 0.798
64	55 – 76	Albania	0.789	0.766 – 0.808	64	50 – 80	Kazakhstan	0.752	0.699 – 0.802
65	61 – 72	Denmark	0.785	0.769 – 0.801	65	55 – 80	Uruguay	0.745	0.702 – 0.782
66	57 – 80	Sri Lanka	0.783	0.761 – 0.807	66	59 – 74	Hungary	0.743	0.713 – 0.768
67	57 – 80	Panama	0.783	0.759 – 0.807	67	53 – 81	Trinidad and Tobago	0.742	0.695 – 0.784
68	56 – 83	Kuwait	0.782	0.753 – 0.808	68	59 – 75	Saint Lucia	0.740	0.717 – 0.765
69	61 – 78	The former Yugoslav Republic of Macedonia	0.781	0.761 – 0.796	69	58 – 81	Belize	0.736	0.697 – 0.772
70	59 – 83	Bosnia and Herzegovina	0.780	0.754 – 0.803	70	60 – 81	Turkey	0.734	0.698 – 0.764
71	65 – 76	Argentina	0.779	0.762 – 0.794	71	58 – 83	Nicaragua	0.733	0.696 – 0.770
72	67 – 78	United States of America	0.774	0.758 – 0.789	72	64 – 84	Belarus	0.723	0.691 – 0.750
73	61 – 86	Bhutan	0.773	0.748 – 0.797	73	65 – 82	Lithuania	0.722	0.690 – 0.750
74	63 – 84	Nicaragua	0.772	0.750 – 0.793	74	63 – 83	Saint Vincent and the Grenadines	0.722	0.686 – 0.754
75	65 – 84	Iraq	0.770	0.752 – 0.791	75	66 – 81	Argentina	0.722	0.695 – 0.747
76	67 – 85	Brunei Darussalam	0.768	0.749 – 0.787	76	68 – 84	Sri Lanka	0.716	0.692 – 0.740
77	61 – 88	Suriname	0.768	0.740 – 0.798	77	68 – 85	Estonia	0.714	0.684 – 0.741
78	66 – 88	Brazil	0.767	0.745 – 0.787	78	57 – 99	Guatemala	0.713	0.642 – 0.774
79	70 – 84	Trinidad and Tobago	0.767	0.750 – 0.780	79	70 – 88	Ukraine	0.708	0.674 – 0.734
80	72 – 83	New Zealand	0.766	0.750 – 0.780	80	68 – 93	Solomon Islands	0.705	0.664 – 0.739
81	73 – 83	Czech Republic	0.765	0.749 – 0.779	81	70 – 92	Algeria	0.701	0.669 – 0.730
82	66 – 91	Yemen	0.761	0.733 – 0.789	82	75 – 88	Palau	0.700	0.679 – 0.719
83	72 – 88	Seychelles	0.759	0.739 – 0.778	83	75 – 88	Jordan	0.698	0.675 – 0.720
84	73 – 91	Georgia	0.758	0.736 – 0.776	84	75 – 91	Mauritius	0.691	0.665 – 0.719
85	73 – 89	Pakistan	0.757	0.738 – 0.777	85	74 – 96	Grenada	0.689	0.652 – 0.723
86	75 – 92	Malaysia	0.751	0.731 – 0.771	86	76 – 93	Antigua and Barbuda	0.688	0.657 – 0.718
87	77 – 92	Barbados	0.749	0.730 – 0.770	87	79 – 96	Libyan Arab Jamahiriya	0.683	0.655 – 0.707
88	85 – 92	Slovakia	0.742	0.729 – 0.757	88	69 – 111	Bangladesh	0.675	0.618 – 0.732
89	84 – 94	Poland	0.742	0.723 – 0.758	89	83 – 107	The former Yugoslav Republic of Macedonia	0.664	0.630 – 0.695
90	79 – 98	Indonesia	0.741	0.715 – 0.766	90	84 – 106	Bosnia and Herzegovina	0.664	0.632 – 0.694
91	85 – 99	Syrian Arab Republic	0.733	0.712 – 0.755	91	85 – 104	Lebanon	0.664	0.638 – 0.688
92	89 – 96	Bulgaria	0.733	0.717 – 0.747	92	85 – 107	Indonesia	0.660	0.632 – 0.689
93	89 – 103	Lithuania	0.724	0.705 – 0.742	93	83 – 110	Iran, Islamic Republic of	0.659	0.620 – 0.693
94	89 – 104	Libyan Arab Jamahiriya	0.723	0.699 – 0.746	94	87 – 108	Bahamas	0.657	0.625 – 0.687
95	89 – 105	Cook Islands	0.722	0.696 – 0.746	95	87 – 107	Panama	0.656	0.627 – 0.686
96	89 – 104	Ecuador	0.721	0.700 – 0.742	96	90 – 106	Fiji	0.653	0.630 – 0.674
97	91 – 105	Lebanon	0.719	0.697 – 0.740	97	78 – 123	Benin	0.647	0.573 – 0.710
98	93 – 107	Nepal	0.714	0.691 – 0.736	98	94 – 107	Nauru	0.647	0.630 – 0.664
99	93 – 107	Guatemala	0.714	0.691 – 0.735	99	92 – 110	Romania	0.645	0.624 – 0.666
100	94 – 107	Jordan	0.711	0.689 – 0.732	100	90 – 113	Saint Kitts and Nevis	0.643	0.611 – 0.678
101	97 – 104	Ukraine	0.711	0.695 – 0.726	101	92 – 114	Republic of Moldova	0.639	0.600 – 0.672
102	93 – 111	Thailand	0.710	0.682 – 0.736	102	94 – 113	Bulgaria	0.639	0.617 – 0.660
103	93 – 109	Bangladesh	0.709	0.684 – 0.735	103	91 – 117	Iraq	0.637	0.597 – 0.669
104	92 – 115	Guyana	0.704	0.672 – 0.738	104	86 – 126	Armenia	0.630	0.566 – 0.682
105	101 – 111	Hungary	0.698	0.682 – 0.714	105	94 – 118	Latvia	0.630	0.589 – 0.665
106	102 – 111	Republic of Moldova	0.696	0.680 – 0.710	106	94 – 120	Yugoslavia	0.629	0.586 – 0.664
107	100 – 113	Republic of Korea	0.694	0.674 – 0.711	107	95 – 121	Cook Islands	0.628	0.583 – 0.664
108	93 – 121	Niue	0.693	0.650 – 0.731	108	94 – 120	Syrian Arab Republic	0.628	0.589 – 0.661

Annex Table 10 Health system performance in all Member States, WHO indexes, estimates for 1997

PERFORMANCE ON HEALTH LEVEL (DALE)					OVERALL PERFORMANCE				
Rank	Uncertainty interval	Member State	Index	Uncertainty interval	Rank	Uncertainty interval	Member State	Index	Uncertainty interval
109	103 – 116	Gambia	0.687	0.671 – 0.704	109	93 – 122	Azerbaijan	0.626	0.582 – 0.665
110	100 – 121	Micronesia, Federated States of	0.684	0.656 – 0.717	110	91 – 123	Suriname	0.623	0.571 – 0.671
111	107 – 117	Romania	0.682	0.668 – 0.696	111	88 – 125	Ecuador	0.619	0.565 – 0.684
112	107 – 119	Uzbekistan	0.681	0.662 – 0.700	112	105 – 118	India	0.617	0.599 – 0.638
113	105 – 120	Mauritius	0.679	0.657 – 0.702	113	95 – 127	Cape Verde	0.617	0.561 – 0.664
114	105 – 121	Tonga	0.677	0.651 – 0.704	114	103 – 121	Georgia	0.615	0.583 – 0.642
115	107 – 119	Estonia	0.677	0.657 – 0.694	115	94 – 130	El Salvador	0.608	0.544 – 0.667
116	109 – 119	Belarus	0.676	0.657 – 0.692	116	106 – 121	Tonga	0.607	0.582 – 0.632
117	109 – 121	Sao Tome and Principe	0.671	0.651 – 0.691	117	92 – 134	Uzbekistan	0.599	0.532 – 0.668
118	112 – 120	India	0.670	0.654 – 0.683	118	86 – 139	Comoros	0.592	0.509 – 0.689
119	111 – 123	Peru	0.665	0.643 – 0.686	119	114 – 126	Samoa	0.589	0.564 – 0.612
120	108 – 123	Vanuatu	0.665	0.639 – 0.689	120	92 – 140	Yemen	0.587	0.497 – 0.672
121	115 – 125	Latvia	0.655	0.631 – 0.677	121	114 – 129	Niue	0.584	0.549 – 0.614
122	114 – 127	Saint Kitts and Nevis	0.650	0.621 – 0.679	122	109 – 132	Pakistan	0.583	0.541 – 0.626
123	115 – 131	Antigua and Barbuda	0.641	0.606 – 0.678	123	114 – 131	Micronesia, Federated States of	0.579	0.543 – 0.610
124	120 – 133	Fiji	0.632	0.600 – 0.662	124	111 – 136	Bhutan	0.575	0.520 – 0.618
125	121 – 131	Palau	0.632	0.606 – 0.656	125	111 – 136	Brazil	0.573	0.526 – 0.619
126	122 – 131	Philippines	0.630	0.608 – 0.653	126	112 – 135	Bolivia	0.571	0.526 – 0.615
127	124 – 131	Russian Federation	0.623	0.606 – 0.638	127	118 – 138	Vanuatu	0.559	0.512 – 0.594
128	123 – 134	Tuvalu	0.618	0.594 – 0.644	128	119 – 140	Guyana	0.554	0.504 – 0.593
129	124 – 137	Myanmar	0.612	0.584 – 0.641	129	122 – 138	Peru	0.547	0.517 – 0.577
130	125 – 136	Viet Nam	0.611	0.587 – 0.634	130	126 – 136	Russian Federation	0.544	0.527 – 0.563
131	127 – 139	Samoa	0.602	0.579 – 0.626	131	115 – 145	Honduras	0.544	0.471 – 0.611
132	128 – 138	Senegal	0.601	0.584 – 0.620	132	114 – 147	Burkina Faso	0.543	0.472 – 0.611
133	129 – 139	Côte d'Ivoire	0.598	0.580 – 0.617	133	124 – 144	Sao Tome and Principe	0.535	0.482 – 0.575
134	128 – 140	Kyrgyzstan	0.598	0.575 – 0.620	134	119 – 151	Sudan	0.524	0.447 – 0.594
135	129 – 138	Kazakhstan	0.598	0.581 – 0.615	135	118 – 150	Ghana	0.522	0.452 – 0.596
136	129 – 139	Benin	0.596	0.576 – 0.616	136	130 – 145	Tuvalu	0.518	0.481 – 0.551
137	127 – 142	Bahamas	0.593	0.564 – 0.624	137	124 – 149	Côte d'Ivoire	0.517	0.463 – 0.572
138	132 – 144	Mongolia	0.581	0.555 – 0.607	138	120 – 152	Haiti	0.517	0.439 – 0.595
139	134 – 143	Haiti	0.580	0.561 – 0.599	139	129 – 149	Gabon	0.511	0.456 – 0.553
140	131 – 144	Marshall Islands	0.579	0.549 – 0.609	140	130 – 148	Kenya	0.505	0.461 – 0.549
141	137 – 145	Comoros	0.570	0.550 – 0.590	141	133 – 147	Marshall Islands	0.504	0.469 – 0.534
142	137 – 145	Bolivia	0.567	0.544 – 0.590	142	135 – 150	Kiribati	0.495	0.455 – 0.529
143	139 – 146	Gabon	0.559	0.538 – 0.579	143	125 – 157	Burundi	0.494	0.411 – 0.572
144	138 – 148	Kiribati	0.554	0.525 – 0.581	144	125 – 162	China	0.485	0.375 – 0.567
145	140 – 148	Tajikistan	0.551	0.523 – 0.580	145	134 – 154	Mongolia	0.483	0.429 – 0.531
146	141 – 149	Papua New Guinea	0.546	0.520 – 0.572	146	135 – 154	Gambia	0.482	0.427 – 0.533
147	144 – 154	Maldives	0.524	0.496 – 0.555	147	138 – 154	Maldives	0.477	0.430 – 0.516
148	146 – 153	Eritrea	0.521	0.504 – 0.538	148	137 – 159	Papua New Guinea	0.467	0.400 – 0.522
149	146 – 154	Sudan	0.519	0.496 – 0.543	149	136 – 158	Uganda	0.464	0.404 – 0.526
150	146 – 155	Afghanistan	0.517	0.488 – 0.547	150	138 – 159	Nepal	0.457	0.400 – 0.516
151	147 – 153	Mauritania	0.517	0.501 – 0.533	151	143 – 157	Kyrgyzstan	0.455	0.410 – 0.490
152	145 – 158	Turkmenistan	0.513	0.479 – 0.546	152	142 – 158	Togo	0.449	0.398 – 0.501
153	147 – 156	Democratic People's Republic of Korea	0.510	0.485 – 0.536	153	143 – 161	Turkmenistan	0.443	0.390 – 0.490
154	148 – 157	Somalia	0.506	0.480 – 0.530	154	147 – 163	Tajikistan	0.428	0.381 – 0.470
155	152 – 160	Lao People's Democratic Republic	0.489	0.466 – 0.510	155	143 – 167	Zimbabwe	0.427	0.352 – 0.497
156	154 – 162	Guinea-Bissau	0.481	0.462 – 0.499	156	145 – 166	United Republic of Tanzania	0.422	0.368 – 0.479
157	153 – 162	Cambodia	0.481	0.460 – 0.501	157	149 – 168	Djibouti	0.414	0.355 – 0.459
158	153 – 162	Ghana	0.479	0.457 – 0.500	158	152 – 170	Eritrea	0.399	0.339 – 0.446
159	155 – 164	Togo	0.472	0.452 – 0.492	159	149 – 170	Madagascar	0.397	0.329 – 0.463
160	157 – 164	Guinea	0.469	0.455 – 0.483	160	155 – 166	Viet Nam	0.393	0.366 – 0.420
161	156 – 165	Chad	0.465	0.444 – 0.487	161	155 – 170	Guinea	0.385	0.334 – 0.425
162	157 – 166	Burkina Faso	0.463	0.441 – 0.483	162	154 – 172	Mauritania	0.384	0.328 – 0.431

PERFORMANCE ON HEALTH LEVEL (DALE)					OVERALL PERFORMANCE				
Rank	Uncertainty interval	Member State	Index	Uncertainty interval	Rank	Uncertainty interval	Member State	Index	Uncertainty interval
163	158 – 167	Djibouti	0.457	0.434 – 0.479	163	156 – 176	Mali	0.361	0.284 – 0.429
164	160 – 166	Central African Republic	0.454	0.436 – 0.470	164	150 – 181	Cameroon	0.357	0.246 – 0.458
165	159 – 167	Angola	0.453	0.433 – 0.473	165	157 – 178	Lao People's Democratic Republic	0.356	0.298 – 0.410
166	162 – 168	Nauru	0.444	0.424 – 0.464	166	160 – 176	Congo	0.354	0.302 – 0.401
167	164 – 170	Congo	0.433	0.411 – 0.454	167	157 – 180	Democratic People's Republic of Korea	0.353	0.278 – 0.414
168	164 – 172	Mozambique	0.424	0.399 – 0.450	168	158 – 180	Namibia	0.340	0.268 – 0.413
169	167 – 171	Ethiopia	0.418	0.400 – 0.435	169	164 – 179	Botswana	0.338	0.288 – 0.373
170	168 – 172	Mali	0.410	0.393 – 0.426	170	158 – 180	Niger	0.337	0.266 – 0.416
171	168 – 174	Burundi	0.403	0.374 – 0.435	171	163 – 180	Equatorial Guinea	0.337	0.277 – 0.384
172	169 – 174	Cameroon	0.399	0.375 – 0.421	172	161 – 182	Rwanda	0.327	0.268 – 0.389
173	170 – 174	Madagascar	0.394	0.378 – 0.410	173	164 – 181	Afghanistan	0.325	0.262 – 0.376
174	172 – 175	Equatorial Guinea	0.377	0.355 – 0.400	174	161 – 184	Cambodia	0.322	0.234 – 0.392
175	174 – 176	Nigeria	0.353	0.331 – 0.375	175	164 – 182	South Africa	0.319	0.251 – 0.374
176	175 – 178	Liberia	0.337	0.318 – 0.355	176	164 – 183	Guinea-Bissau	0.314	0.239 – 0.375
177	176 – 178	Niger	0.323	0.306 – 0.340	177	166 – 184	Swaziland	0.305	0.234 – 0.369
178	176 – 178	Kenya	0.320	0.298 – 0.343	178	167 – 183	Chad	0.303	0.231 – 0.363
179	179 – 180	Uganda	0.280	0.264 – 0.295	179	167 – 186	Somalia	0.286	0.199 – 0.369
180	179 – 180	United Republic of Tanzania	0.279	0.260 – 0.298	180	173 – 185	Ethiopia	0.276	0.215 – 0.326
181	181 – 185	Rwanda	0.240	0.214 – 0.265	181	172 – 186	Angola	0.275	0.198 – 0.343
182	181 – 185	South Africa	0.232	0.209 – 0.251	182	170 – 186	Zambia	0.269	0.204 – 0.339
183	181 – 185	Sierra Leone	0.230	0.213 – 0.247	183	174 – 186	Lesotho	0.266	0.205 – 0.319
184	181 – 186	Swaziland	0.229	0.205 – 0.255	184	170 – 187	Mozambique	0.260	0.186 – 0.339
185	182 – 187	Democratic Republic of the Congo	0.217	0.198 – 0.235	185	171 – 188	Malawi	0.251	0.174 – 0.332
186	183 – 188	Lesotho	0.211	0.187 – 0.236	186	180 – 189	Liberia	0.200	0.117 – 0.282
187	186 – 188	Malawi	0.196	0.181 – 0.211	187	183 – 189	Nigeria	0.176	0.094 – 0.251
188	187 – 189	Botswana	0.183	0.172 – 0.194	188	185 – 189	Democratic Republic of the Congo	0.171	0.100 – 0.232
189	185 – 189	Namibia	0.183	0.152 – 0.214	189	179 – 190	Central African Republic	0.156	0.000 – 0.306
190	190	Zambia	0.112	0.095 – 0.129	190	175 – 191	Myanmar	0.138	0.000 – 0.311
191	191	Zimbabwe	0.080	0.057 – 0.103	191	190 – 191	Sierra Leone	0.000	0.000 – 0.079

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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