

statistical annex  
*explanatory*  
*notes*

### **ANNEX TABLE 1**

All estimates of population size and structure for 2004 are based on the demographic assessments prepared by the United Nations Population Division (1). These estimates refer to the de facto population, and not the de jure population in each Member State.

The annual growth rate, the dependency ratio, the percentage of population aged 60 years and more, and the total fertility rate are obtained from the same United Nations Population Division database.

To assess overall levels of health achievement, it is crucial to develop the best possible assessment of the life table for each country. Life tables have been developed for all 192 Member States for 2004 starting with a systematic review of all available evidence on levels and trends in under-five and adult mortality rates. It is worth noting the efforts of WHO regional offices in collecting vital registration data from Member States (2). International agencies such as the United Nations Children's Fund (UNICEF) also maintain historical databases on under-five mortality rates, which have been generously shared and incorporated in these analyses. Other sources of information include data from national censuses or household surveys such as the Demographic and Health Survey (DHS) undertaken by ORC Macro, the World Bank Living Standards Measurement Study, and the Multiple Indicator Cluster Survey (MICS) conducted by UNICEF. Finally, national statistical documents such as statistical yearbooks, reports from specialized agencies and periodical paper findings were also incorporated into the database.

This review of data sources benefited greatly from a collaborative assessment of under-five mortality levels for 2004 by UNICEF, WHO, the World Bank and the United Nations Population Division responsible for monitoring child mortality trends.

The four agencies have established the Child Mortality Coordination Group including an independent group of academics which aims to conduct a critical review of current procedures used in each institution for compiling data and arriving at point estimates (3).

WHO uses a standard method to estimate and project life tables for all Member States using comparable data. This may lead to minor differences compared with official life tables prepared by Member States.

Life expectancy at birth, the probability of dying before five years of age (under-five mortality rate) and the probability of dying between 15 and 60 years of age (adult mortality rate) derive from life tables that WHO has estimated for each Member State.

Procedures used to estimate the 2004 life table differed for Member States depending on the data available to assess child and adult mortality. Because of increasing heterogeneity of patterns of adult and child mortality, WHO has developed a model life table system of two-parameter logit life tables, and with additional age-specific parameters to correct for systematic biases in the application of a two-parameter system (4). This system of model life tables has been used extensively in the development of life tables for those Member States without adequate vital registration and in projecting life tables to 2004 when the most recent data available are from earlier years. Estimates for 2004 have been revised to take into account new data received since publication of *The world health report 2005* for many Member States and may not be entirely comparable with those published in previous reports. The methods used to construct life tables are summarized below and a full detailed overview has been published (4, 5).

For Member States with vital registration and sample vital registration systems, demographic techniques (Preston–Coale method, Brass Growth–Balance method, Generalized Growth–Balance method and Bennett–Horiuchi method) were first applied to assess the level of completeness of recorded mortality data in the population above five years of age and then those mortality rates were adjusted accordingly (6). Where vital registration data for 2004 were available, these were used directly to construct the life table. For other countries where the system provided a time series of annual life tables, the parameters ( $I_{5+}$ ,  $I_{60+}$ ) were projected using a weighted regression model giving more weight to recent years (using an exponential weighting scheme such that the weight for each year  $t$  was 25% less than that for year  $t+1$ ). For countries with a total population of less than 750 000 or where the root mean square error from the regression was greater than or equal to 0.011, a shorter-term trend was estimated by applying a weighting factor with 50% annual exponential decay. Projected values of the two life table parameters were then applied to a modified logit life table model, using the most recent national data as the standard, which allows the capture of the most recent age pattern, to predict the full life table for 2004.

For all Member States, other data available for child mortality, such as surveys and censuses, were assessed and adjusted to estimate the probable trend over the past few decades in order to predict the child mortality in 2004. A standard approach to predicting child mortality was employed to obtain the estimates for 2004 (7).

Those estimates are, on the one hand, used to replace the under-five mortality rate in life tables of the countries that have a vital registration or sample vital registration system, but with incomplete registration of numbers of deaths under the age of five years; on the other hand, for countries without exploitable vital registration systems, which are mainly those with high mortality, the predicted under-five mortality

rates are used as one of the inputs to the modified logit system. Adult mortality rates were derived from either surveys or censuses where available; otherwise the most likely corresponding level of adult mortality was estimated based on regression models of child versus adult mortality as observed in the set of approximately 1800 life tables. These estimated child and adult mortality rates were then applied to a global standard, defined as the average of all the life tables, using the modified logit model to derive the estimates for 2004.

It should be noted that the logit model life table system using the global standard does not capture high HIV/AIDS epidemic patterns, because the observed underlying life tables do not come from countries with the epidemic. Similarly, war deaths are not captured because vital registration systems often break down in periods of war (8). For these reasons, for affected countries, mortality without deaths attributable to HIV/AIDS and war was estimated and separate estimates of deaths caused by HIV/AIDS and war in 2004 were added.

The main results in Annex Table 1 are reported with uncertainty intervals in order to communicate to the user the plausible range of estimates for each country on each measure. For the countries with vital registration data projected using time series regression models on the parameters of the logit life table system, uncertainty around the regression coefficients has been accounted for by taking 1000 draws of the parameters using the regression estimates and variance covariance matrix of the estimators. For each of the draws, a new life table was calculated. In cases where additional sources of information provided plausible ranges around under-five and adult mortality rates the 1000 draws were constrained such that each life table produced estimates within these specified ranges. The range of 1000 life tables produced by these multiple draws reflects some of the uncertainty around the projected trends in mortality, notably the imprecise quantification of systematic changes in the logit parameters over the time period captured in available vital registration data.

For Member States where complete death registrations were available for the year 2004 and projections were not used, the life table uncertainty reflects the event count uncertainty, approximated by the Poisson distribution, in the estimated age-specific death rates arising from the observation of a finite number of deaths in a fixed time interval of one year.

For countries that did not have time series data on mortality by age and sex, the following steps were taken. First, point estimates and ranges around under-five and adult mortality rates for males and females were developed on a country-by-country basis (5). In the modified logit life table system described (4), values on these two parameters may be used to identify a range of different life tables in relation to a global standard life table. Using the Monte Carlo simulation methods, 1000 random life tables were generated by drawing samples from normal distributions around these inputs with variances defined according to ranges of uncertainty. In countries where uncertainty around under-five and adult mortality rates was considerable because of a paucity of survey or surveillance information, wide distributions were sampled but the results were constrained based on estimates of the maximum and minimum plausible values for the point estimates.

For 55 countries, mainly in sub-Saharan Africa, estimates of life tables were made by constructing counterfactual life tables excluding the mortality impact of the HIV/AIDS epidemic and then combining these life tables with exogenous estimates of the excess mortality rates attributable to HIV/AIDS. The estimates were based on back-calculation models developed as part of collaborative efforts between WHO and

the Joint United Nations Programme on HIV/AIDS (UNAIDS) to derive country-level epidemiological estimates for HIV/AIDS. In countries with substantial numbers of war deaths, estimates of their uncertainty range were also incorporated into the life table uncertainty analysis.

## ANNEX TABLE 2

Annex Table 2 (Annex Table 5 in last year's report) provides a set of policy-relevant indicators on major health expenditure aggregates. The indicators include the total expenditure on health, broken down into public/general government expenditure on health and private health expenditure. Selected components are presented of public health expenditures (social security expenditure on health) and private health expenditures (health insurance and prepaid schemes and out-of-pocket expenditure). General government expenditure on health is also presented as a ratio to total general government expenditure (GGE). Data on external resources, which are flows earmarked for health originating outside the country and treated as a financing source, are also available. External resources represent all outside funds that finance the above-mentioned general government health expenditure and private health expenditure.

The data include the best figures that were accessible to WHO until the end of 2005 for its 192 Member States. Subsequent updates, additional years and detailed information are available on the WHO National Health Accounts (NHA) web site at <http://www.who.int/nha/en/>.

During the past half decade, an increasing number of countries have been releasing more comprehensive data on health spending: about 100 countries produced full national health accounts (for one year or more) or report expenditure on health to the Organisation for Economic Co-operation and Development (OECD), released as *OECD health data*. WHO publishes data collated from national and international sources and reports. Data are consolidated, triangulated and harmonized in the NHA framework, using international classifications and standard national accounts procedures. Standard accounting estimation and extrapolation techniques have been used to provide time series. As in previous years, a draft template of the estimates was sent to ministers of health seeking their comments and assistance in obtaining additional information. Their responses and those of other government agencies, such as statistical offices, provided valuable feedback that has improved the estimates for the health expenditure indicators reported here. WHO staff at headquarters and in regional and country offices facilitate this process. Years of regular consultation and discussion have established extensive communication channels with ministries of health and other agencies, domestic and international experts and networks and have also helped in developing national capacity.

## Measurement of expenditure on health

Health accounting (HA) is a synthesis of the financing and spending flows recorded in the operation of a health system. It offers the potential to monitor all transactions from funding sources to the distribution of benefits according to geographical, demographic, socioeconomic and epidemiological characteristics. NHA are further related to the macroeconomic and macrosocial accounts whose methodological approach they borrow.

An important methodological contribution to the construction of HA is the *Guide to producing national health accounts with special applications for low-income and*

*middle-income countries (9)*, itself grounded on the OECD *System of health accounts (10)* principles. This methodology rests on the foundations of the United Nations *System of national accounts* (commonly referred to as SNA93) (11).

WHO has been publishing a moving five-year series on NHA indicators since 2002, and updates the figures every year with the best estimates accessible. Each five-year series exhibits internal consistency among the included years. Because HA is a discipline in development – not only regarding methods but also regarding implementation by countries – several Member States have modified previous estimates in order to improve measurement. Some of the reasons for improved estimates can be categorized into five groups: 1) new NHA reports, where countries make their first ever NHA report; 2) improved NHA reports, where an additional report offers improved estimates over preliminary NHA work; 3) new data sources, where there is access to new data such as social security data or new households expenditure survey results released; 4) improved data sources, where governments provide better data or instances of double counting were identified; and 5) macro data updated. Caution is required when comparing newly published estimates with previously published series or when trying to construct a series longer than the currently available multiyear series (please refer to the web site for longer reconciled series).

## Definitions

Total health expenditure (THE) has been defined as the sum of general government expenditure on health (commonly called public expenditure on health), and private expenditure on health. General government health expenditure (GGHE) is estimated as the sum of outlays by government entities to purchase health care services and goods: notably by ministries of health and social security agencies. Private health expenditure (PvtHE) includes total outlays on health by private entities: notably commercial insurance, non-profit institutions, households acting as complementary funders to the previously cited institutions or disbursing unilaterally on health commodities. The revenue base of these entities may comprise multiple sources, including external funds. This necessitates taking into account essential attributes of health accounting such as comprehensiveness, consistency, standardization and timeliness when building estimates. Figures are originally estimated in million national currency units (million NCU) and in current prices.

GGHE comprises the outlays earmarked for health maintenance, restoration or enhancement of the health status of the population, paid for in cash or in kind by the following financing agents:

- central/federal (ministry of health or other ministries), state/provincial/regional, and local/municipal authorities;
- extrabudgetary agencies, principally social security schemes;
- direct expenditure on health care by parastatals and public firms (which operate as though they were private sector firms but are controlled by the government).

All three can be financed through domestic funds or through external resources (mainly as grants passing through the government or loans channelled through the national budget).

GGHE includes both recurrent and investment expenditures (including capital transfers) made during the year. The classification of the functions of government (COFOG) promoted by the United Nations, the International Monetary Fund (IMF), OECD and other institutions sets the boundaries for public outlays. In many instances,

the data contained in the publications accessed are limited to those supplied by ministries of health. Expenditure on health, however, should include all expenditure when the primary intent is to improve health, regardless of the implementing entity. An effort has been made to obtain data on health expenditure by other ministries, the armed forces, prisons, schools, universities and others, to ensure that all resources accounting for health expenditures are included. Furthermore, all expenditures on health include final consumption, subsidies to producers, and transfers to households (chiefly reimbursements for medical and pharmaceutical bills).

The figures for social security expenditure on health include purchases of health goods and services by schemes that are mandatory and controlled by government. A major hurdle faced by accountants is the need to avoid double counting and exclude cash benefits for periods of sickness or loss of employment, which are classified as income maintenance expenditure. Government-controlled and mandatory social security schemes that apply only to a selected group of the population, such as public sector employees only, are also included here.

PvtHE has been defined as the sum of expenditures by the following entities:

- Prepaid plans and risk-pooling arrangements: the outlays of private insurance schemes and private social insurance schemes (with no government control over payment rates and participating providers but with broad guidelines from government), commercial and non-profit (mutual) insurance schemes, health maintenance organizations, and other agents managing prepaid medical and paramedical benefits (including the operating costs of these schemes).
- Firms' expenditure on health: the outlays by private enterprises for medical care and health-enhancing benefits other than payment to social security or other pre-paid schemes.
- Non-profit institutions serving mainly households: the resources used to purchase health goods and services by entities whose status does not permit them to be a source of income, profit or other financial gain for the units that establish, control or finance them. This includes funding from internal and external sources.
- Household out-of-pocket spending: the direct outlays of households, including gratuities and in-kind payments made to health practitioners and to suppliers of pharmaceuticals, therapeutic appliances and other goods and services, whose primary intent is to contribute to the restoration or the enhancement of the health status of individuals or population groups. This includes household payments to public services, non-profit institutions or nongovernmental organizations and non-reimbursable cost sharing, deductibles, copayments and fees for services. It excludes payments made by enterprises which deliver medical and paramedical benefits, mandated by law or not, to their employees and payments for overseas treatment. It also excludes transport and food costs (except those paid officially to the providers) and contributions to pre-paid pooling schemes.

The external resources appearing in Annex Table 2 are those entering the system as a financing source, i.e. all external resources (grants and loans) whether passing through governments or private entities are included. The other institutions and entities reported are public or private expenditures on health acting as financing agents. Financing agents are entities that pool health resources collected from different financing sources (such as households, government, external agencies, firms and nongovernmental organizations) and pay directly for or purchase health care.

Gross domestic product (GDP) is the value of all goods and services provided in a country by residents and non-residents without regard to their allocation among domestic and foreign claims. This (with small adjustments) corresponds to the total sum of expenditure (consumption and investment) of the private and government agents of the economy during the reference year.

General government expenditure (GGE) includes consolidated direct outlays and indirect outlays (for example, subsidies to producers, transfers to households), including capital, of all levels of government (central/federal, provincial/regional/state/district, and local/municipal authorities), social security institutions, autonomous bodies, and other extrabudgetary funds.

## Data sources

Annex Table 2 provides both updated and revised figures for 1999–2003. Estimates for additional years along with sources and methodology are available at <http://www.who.int/nha>. National sources include: national health accounts reports, public expenditure reports, statistical yearbooks and other periodicals, budgetary documents, national accounts reports, central bank reports, nongovernmental organization reports, academic studies, and reports and data provided by central statistical offices, ministries of health, ministries of finance and economic development, planning offices, and professional and trade associations, statistical data on official web sites, and household surveys.

Specific health accounts or comprehensive health financing documents and studies (including both private and public sectors) are available in the following countries presented by WHO regional groupings:

- African Region: Algeria, Burkina Faso, Cameroon, Ethiopia, Guinea, Kenya, Malawi, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, South Africa, Togo, Uganda, United Republic of Tanzania, Zambia, Zimbabwe.
- Region of the Americas: Argentina, Bahamas, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, United States of America, Uruguay.
- South-East Asia Region: Bangladesh, India, Indonesia, Sri Lanka, Thailand.
- European Region: Albania, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Cyprus, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Kyrgyzstan, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Tajikistan, Turkey, United Kingdom.
- Eastern Mediterranean Region: Bahrain, Djibouti, Egypt, the Islamic Republic of Iran, Jordan, Lebanon, Morocco, Oman, Tunisia, Yemen.
- Western Pacific Region: Australia, China, Japan, Malaysia, Mongolia, New Zealand, Papua New Guinea, Philippines, Republic of Korea, Samoa, Tonga, Viet Nam.

*OECD health data series* supply GGHE and PvtHE entries for OECD's 30 Member countries. For GGHE, a larger number of reports on expenditure on health from non-OECD countries has been made available in the recent years. This has allowed a more complete estimation than in previous World Health Reports. The IMF *Government finance statistics* now reports central government expenditure on health for over 120 countries, as well as regional and local government outlays on health

for a third of these countries. Government finance data, together with statistical yearbooks, public finance reports, reports from social security agencies, and status reports on the implementation of health policies, facilitate the estimation of GGHE for Member States which do not yet release this information.

Most data on private expenditure on health come from NHA reports, statistical yearbooks and other periodicals, statistical data on official web sites, reports of nongovernmental organizations, household expenditure surveys, academic studies, and relevant reports and data provided by central statistical offices, ministries of health, insurance agencies, professional and trade associations and planning councils. Standard extrapolation and estimation techniques are used to obtain the figures for missing years.

Information on external resources is taken from the Development Action Committee of the OECD (DAC/OECD). Where some Member States explicitly monitor the external resources entering their health system, that information has been used to validate or amend the order of magnitude derived from the DAC entries. DAC entries used by WHO relate to disbursements (which reports only bilateral flows from certain countries), wherever available, otherwise commitments are presented.

For macro variables, several international references facilitate the compilation of needed estimates, including the latest estimates from IMF *Government finance statistics yearbook* (12), *International financial statistics yearbook* (13) and *International financial statistics* (14); the Asian Development Bank *Key indicators* (15); *OECD health data* (16); *International development statistics* (17); the United Nations *National accounts statistics: main aggregates and detailed tables* (18); United Nations Statistics Division, the Economic Commission for Europe of the United Nations, and United Nations Economic and Social Commission for Western Asia; The World Bank's *World development indicators*, unpublished data from the IMF research department, the Caribbean Community Secretariat (CARICOM); and national series from ministries of finance or central banks.

The main sources of GDP are latest current year estimates from *OECD national accounts* and *OECD health data* for the OECD countries; for non OECD countries, the United Nations *National accounts statistics* and data from other United Nations agencies are used. When United Nations data are unavailable, other sources as mentioned above are used.

### Methodological notes

Variations in the boundaries used in the original sources have been adjusted as far as possible to allow standardized definition. For example, in some countries, GGHE and hence THE may include expenditure on environmental health, education of health personnel and health research activities, whereas other countries treat these expenses as a memorandum item. In the tables reported here, the principles outlined in the *Guide to producing national health accounts with special applications for low-income and middle-income countries* (9) have been followed, which consider these expenditures as health-related and hence have not been included in THE. Inability to exclude these has sometimes led to publication of overestimated ratios of THE to GDP. Availability of new information and subsequent adjustment have then produced lower figures than previously reported.

External resources in these Annex Tables are treated differently from the Rest of the World (ROW) resources under the OECD System of Health Accounts. Under OECD, ROW funds are classified under sources of financing (same as financing agents under



NHA categories) and include only grants passing through the countries. These tables also report expenditure on health by parastatal institutions as public, while others include it as private.

In some cases, expenditures reported under the government finance classification are limited to those of the ministry of health rather than all expenditures on health regardless of source. In such cases, wherever possible, other series have been estimated to supplement that source. GGHE and, therefore, the figures for THE, may sometimes be an underestimate in the cases when it has not been possible to obtain data for local government, nongovernmental organizations, other ministries and insurance expenditures.

The IMF *International financial statistics* provides central government disbursement (CGD) which approximates GGE in many developing countries without autonomous local taxing power. The CGD figures have been complemented whenever possible by data for local/municipal governments as well as some social security payments for health. Several public finance audits, executed budgets, budget plans, statistical yearbooks, web sites, World Bank and Regional Development Bank reports, and academic studies have been consulted to verify GGE.

The entries are not always a continuous time series for all countries, leading to a more thorough search for the relevant national publications to triangulate and complete the information. Also, previous time series have been updated when benchmarking revisions or changes in methodology to estimate particular items, especially out-of-pocket expenditures, for an extensive HA reconstruction are undertaken. Changes in ratios will occur when estimates of GDP are made using the current *System of national accounts* SNA93 instead of the 1968 version (SNA68).

Several quality checks have been used to assess the validity of the data. The data are triangulated with information from different sources and with the macro data available from the country to obtain the best estimates. For example, the aggregate government health expenditure data are compared with total GGE, or out-of-pocket expenditure is compared with total or household private consumption expenditure. Furthermore, estimated expenditure on health is compared against inpatient care expenditure, pharmaceutical expenditure data and other records (including programme administration) to ensure that the outlays for which details have been compiled constitute the bulk of the government and private expenditure on health. The estimates obtained are thus plausible in terms of a system's description.

### ANNEX TABLE 3

Annex Table 3 (Annex Table 6 in last year's report) presents total expenditure on health and general government expenditure on health in per capita terms. The methodology and sources to derive THE and GGHE are those discussed in the notes to Annex Table 2. Ratios are represented in per capita terms by dividing the expenditure figures by population figures. The per capita figures are expressed in US dollars at an average exchange rate (the observed annual average or year end number of units at which a currency is traded in the banking system). The per capita values in local currency units are also presented in international dollar estimates, derived by dividing these by an estimate of their purchasing power parity (PPP) compared with US dollars, i.e. a rate or measure that minimizes the consequences of differences in price levels existing between countries.

*OECD health data* is the major source for population estimates for the 30 OECD Member countries, just as it is for other health expenditure and macroeconomic vari-

ables. All estimates of population size and structure, other than for OECD countries, are based on demographic assessments prepared by the United Nations Population Division (1). The estimates are of de facto population, and not the de jure population, in each Member State.

The exchange rates have mainly been obtained from the IMF *International financial statistics*. For remaining countries, United Nations, World Bank, and Asian Development Bank reports have been used. While official rates are mostly used, market exchange rates sometimes have also been used. Further, complete change in currency in a particular year have at times led to a revision of the full series.

For OECD Member countries, the OECD PPP has been used to calculate international dollars. For European and central Asian countries that are part of the UNECE but are not members of OECD, the UNECE PPPs are used. For non-European and non-OECD countries, international dollars have been estimated by WHO using methods similar to those used by the World Bank.

## ANNEX TABLE 4

Human resources for health are defined as “the stock of all individuals engaged in the promotion, protection or improvement of population health” (19). However, for the purpose of the report, we focus only on paid activities, and divide the health workforce into two main groups: “health service providers” and “health management and support workers” (see Chapter 1).

The indicators needed to describe the characteristics of the health workforce and monitor its development over time are often generated from a multitude of sources and cover many areas (such as profession, training level and industry of employment). The data used in Annex Table 4 were compiled from four major sources: establishment surveys, household and labour force surveys, population and housing censuses and records from professional and administrative sources. The diversity of sources meant that harmonization had to be undertaken to arrive at comparable estimates of the health workforce for each Member State. The harmonization process was based on internationally standardized classification systems, mainly the International Standard Classification of Occupations (ISCO), but also the International Standard Classification of Education (ISCED) and the International Standard Industrial Classification of all Economic Activities (ISIC).

Some difficulties in harmonizing data based on a variety of definitions and classification systems could not be solved through the application of the ISCO. For example, in order to include country-specific types of workers, many ministries of health apply their own national classification system. Community health workers and traditional birth attendants are not captured through the standard ISCO system, but sometimes account for up to a third of the health workforce and form an important part of the infrastructure for service delivery. Therefore, for the purposes of this report, we have kept community health workers and traditional birth attendants as a separate group, whereas most of the country specific cadres were mapped with the common ISCO classification.

The following occupational categories are used in Annex Table 4:

- Physicians – includes generalists and specialists.
- Nurses – includes professional nurses (and midwives), auxiliary nurses and enrolled nurses, and other nurses such as dental nurses or primary care nurses.
- Midwives – includes auxiliary midwives and enrolled midwives. Does not include traditional birth attendants, who are counted as community health workers. While

much effort has been made, caution needs to be exercised in using the data for nurses and midwives; for some countries the available information does not clearly distinguish between the two groups.

- Dentists – includes dentists, dental assistants and dental technicians.
- Pharmacists – includes pharmacists, pharmaceutical assistants and pharmaceutical technicians.
- Lab workers – includes laboratory scientists, laboratory assistants, laboratory technicians and radiographers.
- Environment and public health professionals – includes environmental and public health officers, sanitarians, hygienists, environmental and public health technicians, district health officers, malaria technicians, meat inspectors, public health supervisors and similar professions.
- Community health workers – includes traditional medicine practitioners, faith healers, assistant/community health education workers, community health officers, family health workers, lady health visitors, health extension package workers, community midwives, and traditional birth attendants.
- Other health workers – includes a large number of occupations, such as clinical officers, dieticians and nutritionists, medical assistants, occupational therapists, operators of medical and dentistry equipment, optometrists and opticians, physiotherapists, podiatrists, prosthetic/orthotic engineers, psychologists, respiratory therapists, respiratory therapy technicians, speech pathologists, trainees and interns.
- Health management and support workers – includes general managers, statisticians, teaching professionals, lawyers, accountants, medical secretaries, gardeners, computer technicians, ambulance staff, cleaning staff, building and engineering staff, skilled administrative staff and general support staff.

Apart from questions concerning the harmonization of health workforce categories, an additional challenge was the triangulation of various data from different sources. Generally, when data were available from more than one source, we opted for the census as a first choice as it provides information on both “health service providers” and “health management and support workers”. However, not many recent censuses with sufficiently detailed ISCO coding were both available and accessible. In the present data set, a total of 12 countries fall into this category: Australia, Bolivia, Brazil, Costa Rica, Honduras, Mexico, Mongolia, New Zealand, Panama, Paraguay, Thailand and Turkmenistan. For a further three, namely Estonia, the United Kingdom and the United States, the data presented in Annex Table 4 were from representative labour force or household surveys: collected in the Luxemburg Income (or Employment) Study (<http://www.lisproject.org/>). These surveys were as detailed as census data in terms of the occupation categories they provide and at the same time were based on ISCO classification system (in the case of Estonia) or we mapped them to corresponding ISCO codes (in the cases of the UK and US surveys).

For all countries in the African Region as well as for a large number of countries in South-East Asia and the Eastern Mediterranean Region, the data presented in Annex Table 4 were obtained through a special survey developed by WHO and executed through its regional and country offices. As much as possible, the survey attempted to obtain information on both “health service providers” and “health management and support workers” and used the ISCO system, while maintaining some country-specific classifications for selected types of occupations (23). The following is a list of countries in which the survey was implemented:

Algeria, Bahrain, Bangladesh, Benin, Bhutan, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire, Democratic People's Republic of Korea, Democratic Republic of the Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, India, Indonesia, Iraq, the Islamic Republic of Iran, Jordan, Kenya, Lebanon, Lesotho, Liberia, Madagascar, Malawi, Maldives, Mali, Mauritania, Mauritius, Morocco, Mozambique, Myanmar, Namibia, Nepal, Niger, Nigeria, Oman, Pakistan, Rwanda, Sao Tome and Principe, Saudi Arabia, Senegal, Seychelles, Sierra Leone, South Africa, Sri Lanka, Sudan, Swaziland, Timor-Leste, Togo, Tunisia, Uganda, United Republic of Tanzania, Yemen, Zambia, Zimbabwe.

For the following countries, data were obtained from miscellaneous sources, namely records of the departments of health, lists maintained by public service commissions or other administrative sources:

Argentina, Belize, Brunei, Cambodia, Chile, China, Colombia, Cook Islands, Cuba, Dominican Republic, Ecuador, El Salvador, Fiji, Finland, Jamaica, Malaysia, Nicaragua, Uruguay, Venezuela, Papua New Guinea, Philippines, Tonga, Tuvalu, Viet Nam.

For the remaining countries, the required data were compiled from the *OECD health data*, the *European health for all database* (<http://data.euro.who.int/hfad/index.php>) or the previous version of WHO's *Global database on the health workforce*. These data were the least detailed of all, containing information on only four to five occupations and almost always containing no information on health management and support workers.

The countries for which data was obtained from these sources are the following:

Afghanistan, Albania, Andorra, Angola, Antigua and Barbuda, Armenia, Austria, Azerbaijan, Bahamas, Barbados, Belarus, Belgium, Bosnia and Herzegovina, Canada, Croatia, Cyprus, Czech Republic, Denmark, Dominica, France, Georgia, Germany, Greece, Grenada, Guatemala, Guyana, Haiti, Hungary, Iceland, Ireland, Israel, Italy, Japan, Kazakhstan, Kiribati, Kuwait, Kyrgyzstan, Lao People's Democratic Republic, Latvia, Libya, Lithuania, Luxembourg, Malta, Marshall Islands, Micronesia (Federated States of), Moldova, Monaco, Nauru, Netherlands, Niue, Norway, Palau, Peru, Poland, Portugal, Qatar, Republic of Korea, Romania, Russian Federation, Samoa, San Marino, Serbia and Montenegro, Slovak Republic, Slovenia, Solomon Islands, Somalia, Spain, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Sweden, Switzerland, Syrian Arab Republic, Tajikistan, The Former Yugoslav Republic of Macedonia, Trinidad and Tobago, Turkey, Ukraine, United Arab Emirates, Uzbekistan, Vanuatu.

The table provides the best figures that were available to WHO up to January 2006 for each of the 192 Member States. Any subsequent updates will be made available on the WHO *Global atlas for the health workforce* web site ([www.who.int/globalatlas/autologin/hrh\\_login.asp](http://www.who.int/globalatlas/autologin/hrh_login.asp)).

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## Annex Table 1 Basic indicators for all Member States

Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Member State	POPULATION ESTIMATES								LIFE EXPECTANCY AT BIRTH (YEARS)			PROBABILITY OF DYING (PER 1000)		
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Both sexes			Under age 5 years (under-5 mortality rate <sup>b</sup> )		
			1994	2004	1994	2004	1994	2004				Both sexes		
	2004	1994–2004	1994	2004	1994	2004	1994	2004	2004	Uncertainty	2004	Uncertainty		
1 Afghanistan	28 574	3.9	96	97	4.6	4.4	8.0	7.4	42	30 – 53	257	179 – 333		
2 Albania	3 112	-0.2	61	56	8.9	11.8	2.7	2.2	72	71 – 72	19	15 – 22		
3 Algeria	32 358	1.6	79	54	5.7	6.4	3.7	2.5	71	69 – 72	40	33 – 47		
4 Andorra	67	0.7	46	44	20.5	21.3	1.3	1.3	80	78 – 83	7	4 – 9		
5 Angola	15 490	2.6	100	96	4.1	4.0	7.0	6.7	40	33 – 46	260	230 – 288		
6 Antigua and Barbuda	81	1.7	62	55	9.1	10.5	2.5	2.3	72	71 – 74	12	6 – 18		
7 Argentina	38 372	1.1	63	58	13.1	13.8	2.8	2.3	75	74 – 75	18	17 – 20		
8 Armenia	3 026	-0.8	60	51	12.0	14.7	2.2	1.3	68	67 – 69	32	26 – 39		
9 Australia	19 942	1.2	50	48	15.4	17.0	1.8	1.7	81	81 – 81	5	5 – 6		
10 Austria	8 171	0.2	49	47	19.7	22.3	1.4	1.4	79	79 – 80	5	4 – 6		
11 Azerbaijan	8 355	0.8	64	51	7.9	9.3	2.7	1.8	65	64 – 67	90	73 – 106		
12 Bahamas	319	1.5	57	53	7.0	9.1	2.5	2.3	73	72 – 74	13	10 – 16		
13 Bahrain	716	2.4	50	44	3.9	4.3	3.2	2.4	74	72 – 75	11	10 – 12		
14 Bangladesh	139 215	2.0	76	65	5.1	5.6	3.9	3.2	62	61 – 64	77	70 – 84		
15 Barbados	269	0.3	53	42	14.3	13.1	1.6	1.5	75	74 – 76	12	9 – 16		
16 Belarus	9 811	-0.5	53	44	17.8	18.8	1.5	1.2	68	68 – 69	10	9 – 11		
17 Belgium	10 400	0.3	51	52	21.2	22.2	1.6	1.7	78	78 – 79	5	4 – 5		
18 Belize	264	2.4	88	71	5.9	5.9	4.2	3.1	68	67 – 70	39	29 – 48		
19 Benin	8 177	3.2	98	89	4.3	4.3	6.5	5.7	53	46 – 58	152	137 – 167		
20 Bhutan	2 116	2.2	89	77	6.3	6.9	5.4	4.2	63	56 – 69	80	64 – 96		
21 Bolivia	9 009	2.1	81	75	6.2	6.7	4.7	3.8	65	58 – 71	69	62 – 75		
22 Bosnia and Herzegovina	3 909	1.0	43	44	11.8	18.9	1.5	1.3	73	72 – 75	15	12 – 19		
23 Botswana	1 769	1.1	82	70	3.9	5.0	3.9	3.1	40	36 – 44	116	99 – 133		
24 Brazil	183 913	1.5	61	52	7.1	8.7	2.5	2.3	70	70 – 71	34	29 – 39		
25 Brunei Darussalam	366	2.4	56	49	4.2	4.6	3.0	2.4	77	76 – 78	9	7 – 10		
26 Bulgaria	7 780	-0.7	50	45	21.0	22.3	1.4	1.2	72	72 – 73	15	14 – 16		
27 Burkina Faso	12 822	3.0	104	101	4.9	4.3	7.1	6.6	48	41 – 53	192	173 – 211		
28 Burundi	7 282	1.8	100	93	4.5	4.2	6.8	6.8	45	38 – 51	190	150 – 230		
29 Cambodia	13 798	2.2	98	70	4.7	5.5	5.1	4.0	54	47 – 60	141	127 – 155		
30 Cameroon	16 038	2.1	93	83	5.5	5.6	5.5	4.5	50	44 – 56	149	137 – 162		
31 Canada	31 958	1.0	48	45	16.0	17.5	1.7	1.5	80	80 – 80	6	5 – 6		
32 Cape Verde	495	2.4	105	80	6.4	5.7	4.7	3.6	70	65 – 73	36	29 – 44		
33 Central African Republic	3 986	1.8	89	89	6.1	6.1	5.5	4.9	41	35 – 47	193	162 – 224		
34 Chad	9 448	3.3	98	101	5.1	4.7	6.7	6.7	46	39 – 52	200	168 – 231		
35 Chile	16 124	1.3	57	50	9.4	11.3	2.5	2.0	77	77 – 77	9	8 – 10		
36 China	1 315 409	0.8	48	42	9.2	10.8	1.9	1.7	72	71 – 73	31	29 – 33		
37 Colombia	44 915	1.7	64	57	6.5	7.4	2.9	2.6	73	72 – 73	21	19 – 22		
38 Comoros	777	2.8	93	81	4.0	4.3	5.7	4.7	64	57 – 71	70	56 – 85		
39 Congo	3 883	3.2	97	100	4.8	4.5	6.3	6.3	54	48 – 61	108	81 – 134		
40 Cook Islands	18	-0.9	71	65	6.4	7.5	3.1	2.6	72	71 – 73	21	19 – 22		
41 Costa Rica	4 253	2.3	66	53	7.2	8.1	2.8	2.2	77	77 – 78	13	12 – 14		
42 Côte d'Ivoire	17 872	2.2	94	83	4.5	5.2	6.1	4.9	44	37 – 50	194	155 – 235		
43 Croatia	4 540	-0.3	47	49	19.2	21.9	1.5	1.3	75	75 – 76	7	6 – 8		
44 Cuba	11 245	0.4	45	43	12.0	14.9	1.6	1.6	78	77 – 78	7	6 – 8		
45 Cyprus	826	1.4	57	48	14.7	16.5	2.2	1.6	79	78 – 80	5	4 – 6		

	LIFE EXPECTANCY AT BIRTH (YEARS)						PROBABILITY OF DYING (PER 1000)					
	Males		Females		Under age 5 years (under-5 mortality rate <sup>b</sup> )			Between ages 15 and 60 years (adult mortality rate)				
					Males		Females		Males		Females	
	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty
1	42	31 – 52	42	29 – 55	258	183 – 338	256	176 – 328	509	311 – 760	448	212 – 716
2	69	68 – 69	74	73 – 75	19	15 – 22	18	15 – 22	171	158 – 185	96	82 – 111
3	69	68 – 71	72	70 – 73	41	33 – 48	39	32 – 46	153	138 – 167	124	109 – 140
4	77	74 – 80	83	81 – 85	7	4 – 10	6	4 – 9	108	73 – 143	46	34 – 67
5	38	32 – 44	42	34 – 49	276	246 – 305	243	215 – 270	591	458 – 754	504	324 – 697
6	70	69 – 71	75	74 – 76	14	6 – 20	10	6 – 16	191	168 – 212	120	107 – 134
7	71	71 – 71	78	78 – 79	20	19 – 22	16	15 – 18	173	168 – 179	90	87 – 94
8	65	64 – 66	72	71 – 73	34	27 – 41	30	25 – 36	248	215 – 286	111	94 – 130
9	78	78 – 79	83	83 – 83	6	5 – 7	5	4 – 5	86	83 – 88	50	48 – 52
10	76	76 – 77	82	82 – 82	5	5 – 6	5	4 – 6	114	111 – 117	55	53 – 57
11	63	62 – 64	68	67 – 69	94	75 – 112	85	70 – 99	205	178 – 233	113	97 – 134
12	70	69 – 71	76	75 – 77	14	11 – 17	12	9 – 14	256	238 – 274	145	135 – 155
13	73	71 – 74	75	73 – 76	11	10 – 12	11	10 – 12	112	98 – 127	82	67 – 97
14	62	60 – 63	63	61 – 64	81	74 – 89	73	66 – 79	251	223 – 282	258	233 – 283
15	71	70 – 72	78	78 – 79	12	9 – 15	13	9 – 16	191	173 – 211	105	94 – 116
16	63	62 – 63	74	74 – 75	11	10 – 12	9	7 – 10	377	358 – 396	135	124 – 147
17	75	75 – 76	81	81 – 82	5	5 – 6	4	4 – 5	122	119 – 125	65	63 – 67
18	65	63 – 68	72	71 – 73	44	34 – 56	33	25 – 40	243	204 – 290	135	122 – 151
19	52	46 – 58	53	46 – 59	152	137 – 166	153	137 – 167	388	252 – 551	350	224 – 528
20	62	56 – 68	65	57 – 71	80	63 – 95	80	64 – 96	255	114 – 418	196	92 – 365
21	63	56 – 70	66	59 – 72	70	63 – 76	68	62 – 74	248	106 – 426	184	87 – 346
22	70	68 – 71	77	76 – 78	17	13 – 21	14	10 – 17	188	160 – 216	88	76 – 101
23	40	37 – 43	40	36 – 44	123	106 – 141	109	92 – 125	786	717 – 839	770	698 – 826
24	67	67 – 67	74	73 – 74	38	32 – 43	31	26 – 35	237	228 – 246	127	118 – 135
25	76	74 – 77	78	78 – 79	10	8 – 11	8	6 – 9	107	89 – 125	81	70 – 93
26	69	69 – 69	76	76 – 76	17	15 – 18	13	12 – 14	217	213 – 220	92	90 – 95
27	47	41 – 52	48	40 – 55	193	175 – 213	191	171 – 209	472	351 – 631	410	256 – 600
28	42	36 – 49	47	39 – 54	196	154 – 237	184	146 – 223	593	450 – 737	457	317 – 616
29	51	45 – 56	58	50 – 64	154	138 – 169	127	115 – 140	430	293 – 580	276	154 – 466
30	50	45 – 55	51	44 – 57	156	143 – 170	143	130 – 155	444	316 – 582	432	305 – 586
31	78	78 – 78	83	82 – 83	6	6 – 6	5	5 – 6	91	89 – 93	57	55 – 58
32	67	62 – 71	71	68 – 75	38	30 – 45	35	28 – 42	209	127 – 322	139	85 – 212
33	40	35 – 46	41	35 – 48	201	169 – 233	185	155 – 214	667	530 – 781	624	490 – 745
34	45	38 – 51	48	40 – 54	212	177 – 245	188	158 – 217	497	370 – 669	422	286 – 601
35	74	73 – 74	81	80 – 81	10	9 – 11	9	8 – 9	133	125 – 144	66	63 – 69
36	70	70 – 71	74	73 – 74	27	25 – 29	36	33 – 39	158	148 – 167	99	90 – 108
37	68	68 – 69	77	77 – 78	24	21 – 26	17	16 – 19	226	216 – 237	93	86 – 100
38	62	55 – 69	67	59 – 73	76	61 – 92	64	51 – 77	254	109 – 433	182	87 – 352
39	53	47 – 60	55	48 – 62	113	85 – 140	103	78 – 127	442	297 – 586	390	259 – 524
40	70	69 – 71	75	74 – 75	24	23 – 25	17	16 – 18	158	141 – 178	104	95 – 114
41	75	75 – 76	80	79 – 80	14	13 – 15	11	10 – 13	124	119 – 128	71	68 – 75
42	41	35 – 47	47	41 – 53	225	181 – 271	162	128 – 196	585	462 – 733	500	376 – 634
43	72	72 – 72	79	79 – 79	8	7 – 9	7	5 – 8	160	156 – 164	66	63 – 69
44	75	75 – 76	80	79 – 80	8	7 – 9	7	6 – 8	131	123 – 139	85	81 – 89
45	77	76 – 78	82	80 – 83	5	4 – 6	5	4 – 7	94	84 – 104	47	38 – 56

## Annex Table 1 Basic indicators for all Member States

Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Member State	POPULATION ESTIMATES								LIFE EXPECTANCY AT BIRTH (YEARS)			PROBABILITY OF DYING (PER 1000)		
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Both sexes			Under age 5 years (under-5 mortality rate <sup>b</sup> )		
			1994	2004	1994	2004	1994	2004	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty
46 Czech Republic	10 229	-0.1	48	41	18.0	19.6	1.5	1.2	76	76 – 76	5	4 – 5		
47 Democratic People's Republic of Korea	22 384	0.8	47	47	7.9	10.9	2.2	2.0	66	58 – 74	55	30 – 81		
48 Democratic Republic of the Congo	55 853	2.5	99	100	4.4	4.3	6.7	6.7	44	38 – 51	205	176 – 235		
49 Denmark	5 414	0.4	48	51	20.0	20.7	1.8	1.8	78	77 – 78	5	4 – 6		
50 Djibouti	779	2.7	86	81	4.1	4.6	6.0	4.9	56	49 – 62	126	106 – 144		
51 Dominica	79	0.5	62	55	9.1	10.5	2.2	2.0	74	73 – 75	14	11 – 17		
52 Dominican Republic	8 768	1.5	70	59	5.2	6.1	3.1	2.7	67	66 – 68	32	29 – 35		
53 Ecuador	13 040	1.5	70	63	6.5	8.1	3.3	2.7	72	72 – 73	26	22 – 30		
54 Egypt	72 642	1.9	77	63	6.4	7.1	3.8	3.2	68	67 – 68	36	33 – 40		
55 El Salvador	6 762	2.0	74	66	6.8	7.5	3.4	2.8	71	70 – 72	28	24 – 32		
56 Equatorial Guinea	492	2.4	89	93	6.3	6.0	5.9	5.9	43	37 – 50	204	177 – 232		
57 Eritrea	4 232	3.3	93	89	4.0	3.9	6.1	5.4	60	53 – 67	82	74 – 91		
58 Estonia	1 335	-1.0	52	47	18.9	21.5	1.5	1.4	72	71 – 73	8	6 – 11		
59 Ethiopia	75 600	2.6	95	91	4.4	4.6	6.6	5.7	50	43 – 56	166	137 – 196		
60 Fiji	841	1.0	65	56	5.0	6.2	3.3	2.9	69	67 – 70	20	18 – 22		
61 Finland	5 235	0.3	50	50	18.8	20.9	1.8	1.7	79	79 – 79	4	4 – 5		
62 France	60 257	0.4	53	53	20.3	20.9	1.7	1.9	80	79 – 80	5	4 – 5		
63 Gabon	1 362	2.3	92	81	7.2	6.2	5.0	3.9	57	51 – 64	91	81 – 102		
64 Gambia	1 478	3.2	84	79	5.2	5.9	5.5	4.6	57	50 – 63	122	105 – 140		
65 Georgia	4 518	-1.3	53	50	15.9	18.0	1.8	1.4	74	71 – 75	45	40 – 49		
66 Germany	82 645	0.2	46	49	20.6	24.8	1.3	1.3	79	79 – 79	5	5 – 5		
67 Ghana	21 664	2.3	89	76	5.0	5.6	5.3	4.2	57	50 – 63	112	97 – 128		
68 Greece	11 098	0.5	47	48	21.1	22.9	1.3	1.2	79	79 – 79	5	4 – 6		
69 Grenada	102	0.3	62	55	9.1	10.5	2.6	2.4	68	67 – 69	21	16 – 27		
70 Guatemala	12 295	2.3	95	91	5.6	6.1	5.3	4.5	68	67 – 69	45	40 – 50		
71 Guinea	9 202	2.4	89	90	5.4	5.6	6.4	5.8	53	47 – 59	155	140 – 170		
72 Guinea-Bissau	1 540	2.9	96	102	5.3	4.8	7.1	7.1	47	40 – 53	203	183 – 223		
73 Guyana	750	0.3	64	53	6.9	7.3	2.5	2.2	63	59 – 67	64	35 – 94		
74 Haiti	8 407	1.4	90	72	5.8	6.0	4.6	3.9	55	48 – 61	117	100 – 134		
75 Honduras	7 048	2.6	89	77	4.7	5.5	4.7	3.6	67	64 – 71	41	37 – 45		
76 Hungary	10 124	-0.2	48	45	19.3	20.5	1.6	1.3	73	72 – 73	8	7 – 9		
77 Iceland	292	1.0	55	51	15.0	15.6	2.2	2.0	81	80 – 81	3	3 – 3		
78 India	1 087 124	1.7	68	60	7.0	7.8	3.7	3.0	62	62 – 63	85	77 – 94		
79 Indonesia	220 077	1.3	61	52	6.8	8.2	2.8	2.3	67	66 – 68	38	35 – 42		
80 Iran, Islamic Republic of	68 803	1.2	90	52	6.1	6.4	3.7	2.1	70	69 – 71	38	30 – 46		
81 Iraq	28 057	3.0	88	79	4.6	4.5	5.6	4.7	55	50 – 61	125	75 – 177		
82 Ireland	4 080	1.3	57	45	15.2	15.0	1.9	1.9	78	77 – 79	6	5 – 7		
83 Israel	6 601	2.4	65	61	13.0	13.1	2.9	2.8	80	80 – 80	6	5 – 6		
84 Italy	58 033	0.1	46	51	22.1	25.3	1.2	1.3	81	80 – 81	5	4 – 5		
85 Jamaica	2 639	0.7	71	65	9.7	10.1	2.8	2.4	72	71 – 74	20	16 – 24		
86 Japan	127 923	0.2	44	50	19.9	25.6	1.5	1.3	82	82 – 82	4	4 – 4		
87 Jordan	5 561	3.1	80	69	4.2	5.0	4.9	3.4	71	70 – 72	27	23 – 30		
88 Kazakhstan	14 839	-0.8	58	47	9.6	11.4	2.3	1.9	61	60 – 62	73	55 – 92		
89 Kenya	33 467	2.4	98	84	4.2	4.1	5.2	5.0	51	45 – 56	120	109 – 131		
90 Kiribati	97	2.2	69	60	5.8	6.5	4.6	4.1	65	64 – 66	65	55 – 75		



	LIFE EXPECTANCY AT BIRTH (YEARS)						PROBABILITY OF DYING (PER 1000)							
	Males		Females		Under age 5 years (under-5 mortality rate <sup>b</sup> )				Between ages 15 and 60 years (adult mortality rate)					
					Males		Females		Males		Females			
	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty
46	73	72 – 73	79	79 – 79	5	4 – 6	4	4 – 5	161	158 – 163	69	67 – 71		
47	65	57 – 72	68	59 – 75	56	31 – 82	54	29 – 81	231	87 – 402	168	68 – 341		
48	42	36 – 47	47	39 – 54	217	186 – 249	192	165 – 221	576	436 – 713	446	286 – 607		
49	75	75 – 76	80	80 – 80	5	5 – 7	5	4 – 6	117	110 – 125	72	68 – 75		
50	54	48 – 60	57	50 – 63	131	111 – 150	120	101 – 137	373	237 – 521	312	193 – 468		
51	72	71 – 73	76	75 – 77	13	11 – 14	15	11 – 20	204	187 – 221	122	103 – 143		
52	64	63 – 65	70	69 – 71	34	31 – 38	30	27 – 33	280	246 – 312	169	144 – 194		
53	70	69 – 70	75	75 – 76	29	24 – 33	24	20 – 28	210	197 – 223	128	119 – 137		
54	66	65 – 66	70	69 – 70	36	32 – 40	36	33 – 40	239	229 – 250	158	150 – 165		
55	68	67 – 69	74	73 – 75	30	25 – 34	26	22 – 30	244	211 – 278	138	127 – 152		
56	42	37 – 49	44	38 – 52	213	183 – 244	195	169 – 219	577	436 – 707	522	368 – 665		
57	58	52 – 65	62	55 – 68	89	79 – 98	75	67 – 83	345	196 – 498	281	170 – 427		
58	66	66 – 67	78	77 – 78	10	8 – 11	6	4 – 9	301	277 – 328	108	97 – 119		
59	49	42 – 55	51	44 – 58	175	141 – 209	158	131 – 183	451	315 – 620	389	260 – 559		
60	66	65 – 67	71	70 – 73	21	19 – 23	19	17 – 21	270	244 – 297	169	151 – 187		
61	75	75 – 75	82	82 – 82	5	4 – 6	3	3 – 4	137	134 – 141	62	60 – 65		
62	76	76 – 76	83	83 – 84	5	4 – 6	4	4 – 5	132	127 – 138	60	58 – 62		
63	55	49 – 61	59	53 – 66	102	91 – 114	80	70 – 90	411	270 – 557	344	218 – 482		
64	55	49 – 61	59	52 – 65	129	111 – 148	115	99 – 132	344	199 – 499	263	152 – 437		
65	70	68 – 72	77	75 – 79	51	46 – 56	38	34 – 42	161	127 – 196	60	48 – 83		
66	76	76 – 76	82	82 – 82	5	5 – 6	5	4 – 5	112	111 – 113	58	57 – 58		
67	56	50 – 62	58	51 – 63	113	98 – 131	111	95 – 125	349	208 – 509	319	209 – 477		
68	77	76 – 77	82	81 – 82	6	5 – 7	4	4 – 5	110	106 – 115	46	44 – 48		
69	66	65 – 67	69	68 – 70	24	18 – 30	19	14 – 24	256	234 – 277	218	200 – 237		
70	65	64 – 66	71	70 – 72	45	40 – 49	45	40 – 51	276	238 – 316	152	124 – 179		
71	52	47 – 58	55	47 – 61	160	144 – 175	150	135 – 165	364	228 – 523	319	188 – 494		
72	45	39 – 51	48	40 – 55	212	191 – 234	194	175 – 213	482	351 – 641	413	264 – 587		
73	62	59 – 66	64	60 – 68	64	36 – 93	64	34 – 96	291	242 – 354	258	202 – 328		
74	53	47 – 60	56	49 – 62	122	104 – 139	112	96 – 128	417	269 – 563	358	242 – 499		
75	65	61 – 69	70	67 – 73	42	37 – 46	40	36 – 43	258	180 – 352	159	103 – 229		
76	69	68 – 69	77	77 – 77	9	8 – 10	7	7 – 8	249	239 – 260	108	103 – 114		
77	79	78 – 80	83	82 – 83	3	3 – 4	2	2 – 2	79	70 – 89	52	48 – 55		
78	61	61 – 62	63	63 – 64	81	74 – 90	89	80 – 98	275	259 – 293	202	186 – 220		
79	65	65 – 66	68	67 – 69	41	37 – 45	36	33 – 39	239	222 – 256	200	186 – 216		
80	68	66 – 69	72	71 – 73	39	31 – 48	36	29 – 44	190	173 – 207	118	108 – 129		
81	51	45 – 57	61	56 – 66	130	82 – 183	120	69 – 170	452	336 – 539	201	173 – 235		
82	75	74 – 76	81	80 – 81	7	6 – 8	5	4 – 7	105	95 – 116	60	55 – 66		
83	78	78 – 78	82	82 – 82	6	5 – 6	6	5 – 6	91	88 – 93	48	46 – 51		
84	78	77 – 78	84	83 – 84	5	4 – 6	4	4 – 5	91	88 – 94	47	45 – 49		
85	70	68 – 72	74	73 – 75	21	16 – 25	19	16 – 23	188	159 – 222	120	104 – 135		
86	79	79 – 79	86	86 – 86	4	4 – 4	3	3 – 4	92	92 – 93	45	45 – 46		
87	69	68 – 70	73	73 – 74	28	24 – 31	26	23 – 29	187	169 – 207	119	111 – 128		
88	56	55 – 57	67	66 – 68	83	62 – 105	62	46 – 77	424	394 – 451	187	170 – 205		
89	51	45 – 56	50	45 – 56	129	118 – 142	110	99 – 120	477	350 – 618	502	389 – 627		
90	63	62 – 64	67	66 – 69	66	57 – 76	64	53 – 74	297	265 – 330	175	152 – 205		

## Annex Table 1 Basic indicators for all Member States

Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Member State	POPULATION ESTIMATES								LIFE EXPECTANCY AT BIRTH (YEARS)			PROBABILITY OF DYING (PER 1000)		
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Both sexes			Under age 5 years (under-5 mortality rate <sup>b</sup> )		
			1994	2004	1994	2004	1994	2004				2004	Uncertainty	2004
91 Kuwait	2 606	4.1	48	36	2.1	3.0	3.0	2.3	77	76 – 79	12	9 – 15		
92 Kyrgyzstan	5 204	1.4	76	62	8.0	7.7	3.4	2.6	63	63 – 64	68	54 – 82		
93 Lao People's Democratic Republic	5 792	2.4	91	81	5.6	5.3	5.7	4.7	59	57 – 62	83	69 – 98		
94 Latvia	2 318	-0.9	52	47	19.0	22.3	1.5	1.3	71	71 – 72	11	9 – 13		
95 Lebanon	3 540	1.4	64	57	9.5	10.2	2.9	2.3	70	69 – 71	31	28 – 34		
96 Lesotho	1 798	0.7	95	79	6.9	7.4	4.5	3.5	41	38 – 46	82	68 – 95		
97 Liberia	3 241	4.6	97	97	3.9	3.7	6.9	6.8	42	34 – 49	235	191 – 279		
98 Libyan Arab Jamahiriya	5 740	2.0	75	52	4.7	6.3	3.8	2.9	72	68 – 75	20	17 – 23		
99 Lithuania	3 443	-0.6	51	48	17.3	20.5	1.7	1.3	72	72 – 72	10	8 – 11		
100 Luxembourg	459	1.4	46	49	18.3	18.3	1.7	1.7	79	78 – 79	6	5 – 7		
101 Madagascar	18 113	3.0	92	90	4.8	4.8	6.1	5.3	57	50 – 63	123	108 – 137		
102 Malawi	12 608	2.4	91	101	4.7	4.6	6.7	6.0	41	37 – 46	175	159 – 191		
103 Malaysia	24 894	2.3	66	59	5.9	6.8	3.5	2.8	72	71 – 72	12	11 – 14		
104 Maldives	321	2.8	99	81	5.3	5.1	5.8	4.1	67	66 – 68	46	31 – 58		
105 Mali	13 124	2.9	103	104	4.5	4.3	7.3	6.8	46	38 – 52	219	197 – 240		
106 Malta	400	0.7	51	46	15.7	18.3	2.0	1.5	79	78 – 79	6	5 – 7		
107 Marshall Islands	60	1.7	69	60	5.8	6.5	5.0	4.4	62	60 – 64	59	43 – 74		
108 Mauritania	2 980	2.9	89	87	5.4	5.3	6.1	5.7	58	50 – 64	125	107 – 144		
109 Mauritius	1 233	1.1	51	46	8.5	9.4	2.2	2.0	72	71 – 72	15	12 – 19		
110 Mexico	105 699	1.5	69	58	6.2	7.6	3.0	2.3	74	74 – 74	28	27 – 28		
111 Micronesia, Federated States of	110	0.4	89	74	5.6	4.9	4.7	4.3	70	68 – 72	23	16 – 30		
112 Monaco	35	1.1	53	53	20.3	20.9	1.7	1.8	82	80 – 83	4	3 – 6		
113 Mongolia	2 614	1.0	77	54	5.8	5.7	3.1	2.4	65	64 – 66	52	42 – 64		
114 Morocco	31 020	1.6	71	57	6.3	6.8	3.4	2.7	71	70 – 72	43	35 – 51		
115 Mozambique	19 424	2.4	92	90	5.0	5.2	6.1	5.4	45	40 – 51	152	133 – 170		
116 Myanmar	50 004	1.3	68	54	6.8	7.4	3.6	2.3	59	51 – 66	105	72 – 138		
117 Namibia	2 009	2.3	91	84	5.1	5.2	5.5	3.8	54	49 – 58	63	53 – 75		
118 Nauru	13	2.5	69	60	5.8	6.5	4.3	3.8	61	56 – 67	30	24 – 36		
119 Nepal	26 591	2.3	83	76	5.4	5.7	4.8	3.6	61	60 – 62	76	68 – 84		
120 Netherlands	16 226	0.5	46	48	17.7	18.9	1.6	1.7	79	79 – 79	5	5 – 6		
121 New Zealand	3 989	1.0	53	51	15.4	16.5	2.0	2.0	80	79 – 80	6	5 – 7		
122 Nicaragua	5 376	2.1	93	75	4.4	4.8	4.4	3.2	69	69 – 70	38	32 – 44		
123 Niger	13 499	3.5	103	104	3.5	3.3	8.2	7.8	41	32 – 50	259	208 – 309		
124 Nigeria	128 709	2.4	96	91	4.7	4.8	6.5	5.7	46	40 – 51	197	176 – 218		
125 Niue	1	-2.1	71	65	6.4	7.5	3.4	2.8	71	68 – 73	36	36 – 36		
126 Norway	4 598	0.6	55	53	20.2	19.8	1.9	1.8	80	79 – 80	4	4 – 5		
127 Oman	2 534	1.8	76	60	3.1	4.0	6.0	3.6	74	70 – 77	13	11 – 14		
128 Pakistan	154 794	2.3	90	74	5.5	5.8	5.5	4.1	62	60 – 64	101	86 – 116		
129 Palau	20	1.6	69	60	5.8	6.5	1.6	1.4	68	67 – 69	27	20 – 35		
130 Panama	3 175	2.0	63	58	7.4	8.6	2.8	2.7	76	75 – 76	24	21 – 26		
131 Papua New Guinea	5 772	2.4	79	76	4.0	3.9	4.9	3.9	60	58 – 62	93	75 – 110		
132 Paraguay	6 017	2.5	83	71	5.2	5.6	4.4	3.8	72	71 – 73	24	20 – 28		
133 Peru	27 562	1.6	69	61	6.4	7.6	3.5	2.8	71	70 – 72	29	25 – 33		
134 Philippines	81 617	2.0	75	65	5.1	6.0	4.0	3.1	68	68 – 69	34	29 – 39		
135 Poland	38 559	0.0	52	42	15.6	16.7	1.8	1.2	75	75 – 75	8	7 – 8		

	LIFE EXPECTANCY AT BIRTH (YEARS)								PROBABILITY OF DYING (PER 1000)							
									Under age 5 years (under-5 mortality rate <sup>b</sup> )				Between ages 15 and 60 years (adult mortality rate)			
	Males		Females		Males		Females		Males		Females					
	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty				
91	76	76 – 77	78	76 – 80	12	10 – 15	11	8 – 15	72	66 – 78	54	44 – 59				
92	59	59 – 60	67	67 – 68	72	57 – 87	63	50 – 76	336	316 – 355	162	145 – 178				
93	58	56 – 61	60	58 – 62	88	72 – 103	78	65 – 93	331	275 – 386	300	267 – 335				
94	66	66 – 66	76	76 – 77	11	9 – 13	11	9 – 13	300	293 – 307	115	110 – 120				
95	68	67 – 69	72	72 – 73	35	32 – 38	26	23 – 29	198	174 – 222	136	121 – 151				
96	39	36 – 43	44	40 – 48	87	73 – 101	76	64 – 89	845	772 – 892	728	650 – 795				
97	39	33 – 46	44	35 – 52	249	205 – 296	220	176 – 261	596	451 – 747	477	310 – 656				
98	70	66 – 73	75	72 – 77	20	17 – 23	19	16 – 22	186	118 – 276	109	70 – 164				
99	66	66 – 67	78	78 – 78	10	9 – 12	9	7 – 10	304	298 – 310	102	98 – 107				
100	76	75 – 76	81	80 – 82	6	5 – 8	5	5 – 6	118	109 – 127	59	52 – 67				
101	55	49 – 61	59	51 – 65	128	113 – 143	117	103 – 131	338	198 – 510	270	150 – 444				
102	41	37 – 46	41	36 – 47	179	161 – 195	172	156 – 187	663	560 – 768	638	526 – 748				
103	69	68 – 70	74	74 – 75	14	12 – 16	11	10 – 13	200	182 – 220	109	98 – 120				
104	66	65 – 67	68	67 – 68	47	32 – 60	44	31 – 56	186	159 – 215	140	126 – 156				
105	44	37 – 50	47	39 – 53	230	205 – 252	208	187 – 228	490	356 – 670	414	253 – 605				
106	76	76 – 77	81	81 – 82	7	6 – 8	5	4 – 6	82	78 – 87	48	44 – 51				
107	60	58 – 62	64	62 – 66	66	48 – 82	52	38 – 66	327	297 – 356	275	250 – 295				
108	55	49 – 62	60	52 – 66	134	115 – 155	115	99 – 132	325	166 – 493	246	128 – 421				
109	69	68 – 69	75	75 – 75	17	13 – 20	14	11 – 17	217	201 – 234	112	106 – 119				
110	72	72 – 72	77	77 – 77	31	30 – 31	25	24 – 25	161	160 – 163	94	93 – 94				
111	68	67 – 70	71	70 – 73	26	18 – 33	19	14 – 26	202	177 – 228	169	146 – 191				
112	78	77 – 80	85	83 – 87	5	4 – 7	3	3 – 6	105	85 – 124	45	32 – 58				
113	61	60 – 62	69	68 – 70	60	47 – 72	45	36 – 55	303	277 – 330	185	163 – 210				
114	69	68 – 70	73	72 – 74	47	39 – 56	38	31 – 45	157	146 – 169	102	90 – 113				
115	44	39 – 50	46	41 – 52	154	135 – 173	150	131 – 168	627	502 – 739	549	427 – 665				
116	56	49 – 63	63	54 – 69	116	82 – 153	93	63 – 122	334	174 – 510	219	110 – 399				
117	52	48 – 56	55	51 – 60	70	59 – 81	57	46 – 69	548	467 – 629	489	411 – 568				
118	58	52 – 65	65	61 – 70	35	28 – 43	24	19 – 29	448	283 – 596	303	184 – 417				
119	61	60 – 62	61	60 – 62	74	66 – 81	79	70 – 87	297	274 – 320	285	264 – 306				
120	77	77 – 77	81	81 – 82	6	5 – 6	5	4 – 5	89	87 – 91	63	62 – 65				
121	77	77 – 78	82	82 – 82	7	6 – 8	6	5 – 7	95	92 – 98	62	59 – 65				
122	67	67 – 68	71	71 – 72	41	35 – 47	35	30 – 40	214	199 – 228	151	135 – 168				
123	42	33 – 50	41	31 – 50	256	205 – 308	262	211 – 310	506	351 – 714	478	252 – 725				
124	45	40 – 51	46	39 – 52	198	179 – 220	195	174 – 215	513	377 – 648	478	338 – 634				
125	68	65 – 70	74	71 – 76	50	50 – 50	20	20 – 20	178	139 – 222	138	107 – 178				
126	77	77 – 78	82	82 – 82	4	4 – 5	4	4 – 5	93	88 – 99	57	55 – 59				
127	71	68 – 75	77	74 – 79	13	11 – 15	12	10 – 14	164	106 – 244	92	58 – 137				
128	62	60 – 63	63	61 – 65	102	86 – 117	100	85 – 115	222	199 – 249	198	173 – 223				
129	67	66 – 67	70	69 – 71	27	19 – 34	28	20 – 37	224	213 – 234	206	186 – 228				
130	73	73 – 74	78	77 – 79	26	24 – 29	22	19 – 24	139	129 – 151	82	75 – 91				
131	58	56 – 60	61	59 – 63	98	79 – 116	87	71 – 103	322	293 – 352	265	240 – 293				
132	70	69 – 70	74	74 – 75	25	21 – 29	23	19 – 27	176	164 – 188	127	115 – 137				
133	69	68 – 70	73	72 – 74	31	27 – 35	27	23 – 31	184	164 – 208	134	118 – 152				
134	65	64 – 65	72	71 – 72	40	34 – 46	28	24 – 32	269	257 – 281	149	137 – 159				
135	71	71 – 71	79	79 – 79	8	8 – 9	7	6 – 8	198	193 – 203	79	76 – 82				

## Annex Table 1 Basic indicators for all Member States

Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Member State	POPULATION ESTIMATES								LIFE EXPECTANCY AT BIRTH (YEARS)		PROBABILITY OF DYING (PER 1000)		
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Both sexes		Under age 5 years (under-5 mortality rate <sup>b</sup> )		
			1994	2004	1994	2004	1994	2004	2004	Uncertainty	2004	Uncertainty	
136 Portugal	10 441	0.4	49	49	20.1	22.1	1.5	1.5	78	77 – 78	5	5 – 6	
137 Qatar	777	4.2	39	31	2.2	2.6	3.9	2.9	76	74 – 78	12	9 – 15	
138 Republic of Korea	47 645	0.7	42	39	8.9	13.3	1.7	1.2	77	77 – 76	6	5 – 6	
139 Republic of Moldova	4 218	-0.3	56	41	13.0	13.7	1.9	1.2	67	67 – 68	28	21 – 35	
140 Romania	21 790	-0.5	49	44	17.1	19.2	1.4	1.3	72	72 – 72	20	19 – 21	
141 Russian Federation	143 899	-0.3	50	41	16.5	17.3	1.4	1.3	65	64 – 68	16	14 – 17	
142 Rwanda	8 882	4.9	110	87	3.5	3.9	6.7	5.6	46	39 – 51	203	183 – 223	
143 Saint Kitts and Nevis	42	0.5	62	55	9.1	10.5	2.6	2.4	71	70 – 71	21	18 – 25	
144 Saint Lucia	159	0.9	75	58	9.4	9.8	3.0	2.2	74	73 – 75	14	13 – 17	
145 Saint Vincent and the Grenadines	118	0.5	78	57	8.6	8.9	2.7	2.2	69	68 – 70	22	18 – 27	
146 Samoa	184	1.0	77	83	6.3	6.5	4.7	4.3	68	67 – 69	30	24 – 36	
147 San Marino	28	0.9	46	51	22.1	25.3	1.2	1.2	82	80 – 83	4	4 – 4	
148 Sao Tome and Principe	153	2.0	101	79	6.5	5.8	4.8	3.9	59	51 – 65	118	89 – 148	
149 Saudi Arabia	23 950	2.8	78	68	3.4	4.5	5.4	3.9	71	67 – 74	27	20 – 34	
150 Senegal	11 386	2.5	98	86	4.8	4.8	6.0	4.9	55	49 – 61	137	120 – 154	
151 Serbia and Montenegro	10 510	0.0	50	48	16.8	18.4	1.9	1.6	73	72 – 73	15	13 – 16	
152 Seychelles	80	0.7	51	46	8.5	9.4	2.4	2.1	72	71 – 73	14	10 – 17	
153 Sierra Leone	5 336	2.6	83	86	5.6	5.5	6.5	6.5	39	29 – 46	283	241 – 327	
154 Singapore	4 273	2.4	39	40	9.1	11.8	1.7	1.3	80	79 – 80	3	3 – 4	
155 Slovakia	5 401	0.1	51	41	15.1	16.0	1.7	1.2	74	74 – 75	8	7 – 11	
156 Slovenia	1 967	0.0	45	42	17.6	20.2	1.3	1.2	77	77 – 77	4	4 – 5	
157 Solomon Islands	466	2.8	88	77	4.2	4.1	5.0	4.2	68	64 – 72	56	48 – 64	
158 Somalia	7 964	2.3	87	88	4.3	4.2	6.7	6.3	44	37 – 51	225	203 – 247	
159 South Africa	47 208	1.4	65	58	5.2	6.6	3.2	2.8	48	45 – 51	67	57 – 78	
160 Spain	42 646	0.7	46	44	20.5	21.3	1.2	1.3	80	80 – 80	5	4 – 5	
161 Sri Lanka	20 570	1.0	56	46	8.7	10.5	2.3	1.9	71	70 – 73	14	12 – 16	
162 Sudan	35 523	2.2	83	76	5.0	5.6	5.2	4.3	58	51 – 64	91	82 – 101	
163 Suriname	446	0.8	65	58	7.7	8.9	2.7	2.6	67	66 – 69	39	34 – 44	
164 Swaziland	1 034	1.0	97	82	4.3	5.3	5.1	3.8	37	34 – 42	156	137 – 176	
165 Sweden	9 008	0.2	57	54	22.1	23.0	1.9	1.7	81	80 – 81	4	3 – 4	
166 Switzerland	7 240	0.4	47	48	19.2	21.4	1.5	1.4	81	81 – 81	5	4 – 6	
167 Syrian Arab Republic	18 582	2.6	93	68	4.3	4.7	4.4	3.3	72	71 – 73	16	15 – 18	
168 Tajikistan	6 430	1.2	91	77	5.9	5.2	4.7	3.7	63	61 – 66	118	84 – 147	
169 Thailand	63 694	1.0	50	45	7.3	10.2	2.0	1.9	70	70 – 71	21	18 – 24	
170 The former Yugoslav Republic of Macedonia	2 030	0.4	50	45	13.0	15.3	1.9	1.5	72	72 – 73	14	13 – 15	
171 Timor-Leste	887	0.5	78	80	3.7	5.0	4.6	7.8	63	56 – 69	80	69 – 92	
172 Togo	5 988	3.2	95	88	4.7	4.8	6.1	5.2	54	48 – 59	140	122 – 157	
173 Tonga	102	0.6	81	73	7.5	8.7	4.4	3.4	71	70 – 71	25	20 – 29	
174 Trinidad and Tobago	1 301	0.4	60	41	8.8	10.5	1.9	1.6	70	69 – 71	20	17 – 23	
175 Tunisia	9 995	1.2	68	49	7.9	8.6	2.8	1.9	72	71 – 73	25	23 – 28	
176 Turkey	72 220	1.6	61	54	7.2	7.9	2.8	2.4	71	70 – 72	32	29 – 35	
177 Turkmenistan	4 766	1.5	79	60	6.2	6.3	3.7	2.7	60	59 – 61	103	92 – 113	
178 Tuvalu	10	0.6	71	65	6.4	7.5	4.4	3.7	61	58 – 64	51	37 – 64	
179 Uganda	27 821	3.2	109	112	4.1	3.9	7.1	7.1	49	44 – 55	138	124 – 151	
180 Ukraine	46 989	-1.0	52	45	18.3	21.0	1.5	1.1	67	67 – 68	18	16 – 20	

	LIFE EXPECTANCY AT BIRTH (YEARS)						PROBABILITY OF DYING (PER 1000)							
					Under age 5 years (under-5 mortality rate <sup>b</sup> )				Between ages 15 and 60 years (adult mortality rate)					
	Males		Females		Males		Females		Males		Females			
	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty		
136	74	74 – 75	81	81 – 81	6	4 – 7	5	5 – 6	144	137 – 152	61	59 – 63		
137	76	75 – 78	75	74 – 77	12	10 – 15	11	9 – 15	75	66 – 85	70	56 – 85		
138	73	73 – 74	80	79 – 80	5	4 – 5	7	6 – 7	151	146 – 156	55	54 – 58		
139	64	63 – 64	71	71 – 71	32	24 – 40	24	18 – 30	300	287 – 313	150	141 – 159		
140	68	68 – 68	76	75 – 76	22	21 – 23	18	17 – 18	232	229 – 234	100	99 – 102		
141	59	58 – 64	72	71 – 72	18	16 – 19	14	13 – 15	485	455 – 507	180	168 – 180		
142	44	38 – 49	47	40 – 53	211	190 – 230	195	176 – 215	518	399 – 672	435	289 – 608		
143	69	68 – 70	72	71 – 73	21	17 – 24	22	19 – 25	197	182 – 213	145	120 – 175		
144	71	71 – 72	77	76 – 78	15	13 – 18	13	12 – 15	209	194 – 224	116	102 – 132		
145	66	65 – 67	73	72 – 74	26	23 – 29	19	14 – 25	301	266 – 338	174	155 – 191		
146	66	64 – 67	70	69 – 71	42	36 – 49	17	13 – 21	235	218 – 252	203	187 – 219		
147	79	76 – 79	84	82 – 86	4	4 – 8	3	3 – 3	66	54 – 86	34	27 – 37		
148	57	49 – 64	60	52 – 67	122	92 – 152	114	86 – 143	301	155 – 498	236	118 – 419		
149	68	64 – 73	74	70 – 76	29	22 – 37	24	18 – 31	196	117 – 296	120	77 – 183		
150	54	48 – 60	57	50 – 63	141	125 – 159	132	116 – 148	358	215 – 529	288	164 – 464		
151	70	70 – 70	75	75 – 76	17	15 – 19	13	11 – 14	191	183 – 200	98	94 – 102		
152	67	67 – 68	78	76 – 79	14	11 – 18	13	10 – 17	232	209 – 254	83	66 – 105		
153	37	29 – 44	40	30 – 48	296	250 – 340	269	232 – 313	579	428 – 778	497	284 – 745		
154	77	76 – 79	82	81 – 82	4	4 – 4	3	3 – 3	92	80 – 106	51	48 – 56		
155	70	70 – 71	78	78 – 79	9	7 – 11	8	6 – 10	203	193 – 214	76	72 – 81		
156	73	72 – 73	81	81 – 81	5	4 – 6	4	4 – 4	158	150 – 167	67	64 – 71		
157	66	62 – 70	70	66 – 73	60	51 – 68	52	44 – 59	193	125 – 265	143	83 – 207		
158	43	36 – 50	45	37 – 52	222	199 – 243	228	207 – 251	524	372 – 658	428	254 – 622		
159	47	44 – 50	49	46 – 53	72	62 – 83	62	52 – 74	667	602 – 733	598	519 – 669		
160	77	76 – 77	83	83 – 84	5	4 – 5	4	4 – 4	113	107 – 120	45	44 – 47		
161	68	66 – 70	75	74 – 76	16	14 – 19	12	10 – 13	232	183 – 278	119	104 – 133		
162	56	49 – 62	60	53 – 67	98	89 – 108	84	75 – 93	390	255 – 538	304	187 – 450		
163	65	63 – 66	70	69 – 72	42	37 – 48	36	32 – 41	261	224 – 301	159	135 – 183		
164	36	33 – 40	39	35 – 43	163	141 – 184	150	132 – 168	823	744 – 882	741	656 – 816		
165	78	78 – 78	83	83 – 83	4	3 – 4	3	3 – 4	82	80 – 84	51	49 – 52		
166	78	78 – 79	83	83 – 84	5	5 – 6	5	4 – 5	87	83 – 91	49	48 – 51		
167	70	69 – 71	74	74 – 75	19	17 – 20	14	13 – 15	186	171 – 201	125	115 – 134		
168	62	60 – 64	64	62 – 67	120	84 – 147	115	85 – 147	166	130 – 219	139	121 – 174		
169	67	67 – 68	73	73 – 74	23	19 – 26	20	17 – 23	265	243 – 287	154	135 – 174		
170	69	69 – 70	76	75 – 76	16	15 – 18	12	11 – 13	198	186 – 210	84	78 – 91		
171	61	54 – 67	66	58 – 72	91	78 – 104	69	60 – 79	267	123 – 430	184	84 – 357		
172	52	46 – 58	56	49 – 61	151	134 – 171	128	111 – 143	401	264 – 551	327	213 – 485		
173	71	70 – 72	70	70 – 71	32	26 – 36	17	14 – 21	140	135 – 144	194	187 – 201		
174	67	66 – 68	73	73 – 74	24	20 – 28	15	13 – 18	257	229 – 287	156	140 – 173		
175	70	69 – 71	74	73 – 75	29	26 – 31	22	20 – 24	166	153 – 178	110	99 – 124		
176	69	68 – 70	73	72 – 74	33	29 – 36	31	28 – 34	180	168 – 193	112	98 – 125		
177	56	55 – 56	65	64 – 66	117	105 – 128	88	79 – 97	350	327 – 374	166	145 – 188		
178	61	57 – 64	62	59 – 65	50	36 – 62	52	38 – 65	325	237 – 433	277	213 – 387		
179	48	43 – 53	51	45 – 57	144	130 – 157	132	119 – 144	525	398 – 654	446	326 – 592		
180	62	62 – 62	73	73 – 74	21	19 – 23	15	14 – 17	386	370 – 402	144	130 – 158		

**Annex Table 1 Basic indicators for all Member States**

Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Member State	POPULATION ESTIMATES								LIFE EXPECTANCY AT BIRTH (YEARS)		PROBABILITY OF DYING (PER 1000)	
	Total population (000)	Annual growth rate (%)	Dependency ratio (per 100)		Percentage of population aged 60+ years		Total fertility rate		Both sexes		Under age 5 years (under-5 mortality rate <sup>b</sup> )	
			1994	2004	1994	2004	1994	2004	2004	Uncertainty	2004	Uncertainty
181 United Arab Emirates	4 284	6.4	42	31	1.9	1.7	3.6	2.5	77	77 – 78	8	6 – 9
182 United Kingdom	59 479	0.3	54	52	20.9	21.0	1.8	1.7	79	79 – 79	6	5 – 6
183 United Republic of Tanzania	37 627	2.3	92	86	4.5	5.0	5.8	4.9	48	46 – 51	126	116 – 136
184 United States of America	295 410	1.0	53	50	16.3	16.5	2.0	2.0	78	77 – 78	8	7 – 8
185 Uruguay	3 439	0.7	60	60	16.9	17.4	2.5	2.3	75	75 – 76	14	13 – 15
186 Uzbekistan	26 209	1.5	81	63	6.3	6.3	3.6	2.7	66	65 – 67	69	62 – 75
187 Vanuatu	207	2.1	89	78	5.2	5.1	4.8	4.0	68	65 – 72	40	29 – 51
188 Venezuela, Bolivarian Republic of	26 282	2.0	68	58	6.1	7.4	3.1	2.7	75	74 – 75	19	17 – 20
189 Viet Nam	83 123	1.5	74	56	7.4	7.5	3.0	2.3	71	70 – 72	23	20 – 26
190 Yemen	20 329	3.4	111	96	3.8	3.7	7.4	6.0	59	52 – 65	111	97 – 125
191 Zambia	11 479	2.1	98	96	4.3	4.6	6.3	5.5	40	36 – 45	182	162 – 204
192 Zimbabwe	12 936	1.1	92	79	4.6	5.4	4.5	3.4	36	33 – 39	129	115 – 146

<sup>a</sup>See explanatory notes for sources and methods.

<sup>b</sup>Under-five mortality rate is the probability (expressed as per 1000 live births) of a child born in a specific year dying before reaching five years of age, if subjected to current age-specific mortality rate.

	LIFE EXPECTANCY AT BIRTH (YEARS)						PROBABILITY OF DYING (PER 1000)					
					Under age 5 years (under-5 mortality rate <sup>b</sup> )			Between ages 15 and 60 years (adult mortality rate)				
	Males		Females		Males		Females		Males		Females	
	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty	2004	Uncertainty
181	76	76 – 77	79	79 – 80	8	7 – 10	7	6 – 8	89	79 – 99	67	60 – 73
182	76	76 – 77	81	81 – 81	6	6 – 7	5	5 – 6	102	99 – 104	63	61 – 64
183	47	45 – 49	49	47 – 52	134	124 – 145	117	107 – 126	551	509 – 597	524	470 – 576
184	75	75 – 76	80	80 – 80	8	8 – 9	7	7 – 7	137	130 – 145	81	80 – 83
185	71	71 – 72	79	79 – 80	16	14 – 18	12	11 – 13	172	163 – 183	87	83 – 90
186	63	63 – 64	69	68 – 70	80	72 – 88	57	51 – 62	223	209 – 237	141	125 – 157
187	67	63 – 71	69	66 – 73	40	29 – 51	40	29 – 50	212	144 – 280	170	115 – 227
188	72	71 – 73	78	77 – 78	20	18 – 22	17	15 – 19	185	171 – 198	97	90 – 104
189	69	68 – 69	74	73 – 74	24	21 – 27	22	19 – 25	197	182 – 212	122	111 – 134
190	57	51 – 63	61	54 – 67	118	103 – 132	104	91 – 117	298	152 – 474	225	110 – 403
191	40	36 – 45	40	35 – 45	190	169 – 213	173	153 – 194	683	578 – 777	656	545 – 766
192	37	35 – 40	34	30 – 38	136	125 – 148	121	105 – 142	857	802 – 904	849	791 – 902

Annex Table 2 Selected indicators of health expenditure ratios, 1999–2003

Figures computed by WHO to assure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative methods.

Member State	Total expenditure on health as % of gross domestic product					General government expenditure on health as % of total expenditure on health <sup>b</sup>					Private expenditure on health as % of total expenditure on health <sup>b</sup>					General government expenditure on health as % of total government expenditure				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Afghanistan	3.2	2.8	3.2	6.7	6.5	1.5	1.5	1.9	41.1	39.5	98.5	98.5	98.1	58.9	60.5	1.6	1.6	1.6	7.4	7.3
Albania	6.9	6.5	6.6	6.8	6.5	45.2	42.4	42.2	41.7	41.7	54.8	57.6	57.8	58.3	58.3	8.9	8.6	8.8	9	9.2
Algeria	3.7	3.5	3.8	4.2	4.1	71.9	73.3	77.4	78.9	80.8	28.1	26.7	22.6	21.1	19.2	9	9	9.5	9.6	10
Andorra	7.3	7.5	7	7.2	7.1	67.2	65.4	68.8	68.8	68.6	32.8	34.6	31.3	31.2	31.4	31.8	30.6	28.9	30.6	33.7
Angola	3.2	2.5	3.3	2.4	2.8	45.3	82.2	84.6	80.9	84.2	54.7	17.8	15.4	19.1	15.8	2.4	3.4	5.5	4.1	5.3
Antigua and Barbuda	4.5	4.5	4.6	5.4	4.5	72.2	72	70.8	72.4	70.6	27.8	28	29.2	27.6	29.4	11.8	12.1	10.8	12.1	10.8
Argentina	9.1	8.9	9.5	8.6	8.9	56.5	55.4	53.6	52.1	48.6	43.5	44.6	46.4	47.9	51.4	15	14.7	14.3	15.2	14.7
Armenia	6	6.3	6.5	5.8	6	22.9	15.2	20.5	20	20.2	77.1	84.8	79.5	80	79.8	5.1	3.9	5.7	5.3	5.4
Australia	8.7	9	9.2	9.3	9.5	69.5	68.9	67.8	68.1	67.5	30.5	31.1	32.2	31.9	32.5	16.9	16.8	16.9	17.7	17.7
Austria	7.6	7.5	7.4	7.5	7.5	67.7	68.1	67	67.8	67.6	32.3	31.9	33	32.2	32.4	9.7	10	9.8	10	10
Azerbaijan	4.7	4.1	3.9	3.7	3.6	21	21.3	22.3	21.5	23.8	79	78.7	77.7	78.5	76.2	4.2	4.2	4.3	2.9	2.8
Bahamas	6.6	6.5	6.5	6.5	6.4	46.8	47.2	47.5	48.6	47.5	53.2	52.8	52.5	51.4	52.5	14.4	14.3	13.6	14.6	13.9
Bahrain	4.7	3.9	4.2	4.2	4.1	69.2	67	67.6	67.8	69.2	30.8	33	32.4	32.2	30.8	11.2	10	10.1	8.7	8.8
Bangladesh	3.2	3.2	3.2	3.3	3.4	27.2	25.6	25.8	29.6	31.3	72.8	74.4	74.2	70.4	68.7	4.7	4.3	4.7	5.4	5.8
Barbados	6.1	6.2	6.7	6.9	6.9	65.4	65.8	67.6	68.4	69.4	34.6	34.2	32.4	31.6	30.6	12	12	12.2	12.3	11.1
Belarus	6.1	6.1	6.6	6.4	5.5	81	80.1	75.5	73.9	71.2	19	19.9	24.5	26.1	28.8	10.4	10.7	10.7	10.1	8.3
Belgium	8.5	8.5	8.7	8.9	9.4	69.4	69.3	70.8	70.3	67.2	30.6	30.7	29.2	29.7	32.8	11.8	12.1	12.5	12.5	12.4
Belize	4.8	4.5	4.8	4.6	4.5	48.6	48	45.1	47.4	49.3	51.4	52	54.9	52.6	50.7	5.5	5.3	5	5.3	5
Benin	4.8	4.7	5	4.7	4.4	43.8	44.5	46.9	43.5	43.1	56.2	55.5	53.1	56.5	56.9	11.1	10	9.8	8	9.8
Bhutan	4.5	4.2	5.2	3.6	3.1	88.5	87.7	89.8	85.2	83.5	11.5	12.3	10.2	14.8	16.5	8.7	7.2	11.2	8.3	7.6
Bolivia	6.2	6.1	6.4	6.6	6.7	58.1	60.1	59.3	62.8	64	41.9	39.9	40.7	37.2	36	10.5	9.9	10.4	11.6	11.9
Bosnia and Herzegovina	10.7	9.7	9.1	9	9.5	56.7	52	48.8	49.2	50.7	43.3	48	51.2	50.8	49.3	8.9	7.8	7.9	8.6	11.4
Botswana	5.2	5.4	4.8	5.1	5.6	54.3	57.2	50.4	54	58.2	45.7	42.8	49.6	46	41.8	6.7	7.4	6	6.4	7.5
Brazil	7.8	7.6	7.8	7.7	7.6	42.8	41	42.9	44.8	45.3	57.2	59	57.1	55.2	54.7	9.3	8.5	9.2	9.7	10.3
Brunei Darussalam	3.7	3.4	3.5	3.5	3.5	73.1	83.5	77	78.5	80	26.9	16.5	23	21.5	20	4.7	5.1	4.5	4.7	5.2
Bulgaria	6	6.2	7.2	7.9	7.5	65.4	59.2	56.1	56.6	54.5	34.6	40.8	43.9	43.4	45.5	9.8	8.6	9.6	11.3	10.1
Burkina Faso	5.4	5.2	5	5.4	5.6	44	42.4	39.5	44.2	46.8	56	57.6	60.5	55.8	53.2	10	9.4	10.5	12.8	12.7
Burundi	3	3.1	3.1	3.1	3.1	19.9	17.9	21.6	21	23.3	80.1	82.1	78.4	79	76.7	2.8	2	2.2	2	2
Cambodia	10.8	11	10.8	10.9	10.9	10.1	14.2	14.9	17.1	19.3	89.9	85.8	85.1	82.9	80.7	7.5	10.4	9.3	9.9	11.8
Cameroon	4.9	4.4	4.5	4.6	4.2	24.4	28	27.6	27.6	28.9	75.6	72	72.4	72.4	71.1	7.2	9.6	8	8.4	8
Canada	9	8.9	9.4	9.6	9.9	70.3	70.3	70.1	69.7	69.9	29.7	29.7	29.9	30.3	30.1	14.6	15.1	15.5	16.1	16.7
Cape Verde	4.5	4.6	5	5	4.6	73.9	73.5	75.8	75.1	73.2	26.1	26.5	24.2	24.9	26.8	9	9.6	12.4	11.1	11.1
Central African Republic	3.6	4	3.9	4	4	38	41.1	38.6	41.2	38.6	62	58.9	61.4	58.8	61.4	6.7	10	11.5	11.2	12.4
Chad	6.1	6.7	6.8	6.3	6.5	33.6	42	40.9	35.5	39.9	66.4	58	59.1	64.5	60.1	11.9	13.1	13.8	9.4	10.5
Chile	7.1	6.1	6.2	6.2	6.1	39	46.4	48.1	48	48.8	61	53.6	51.9	52	51.2	10	10.7	11.6	11.8	12.7
China <sup>c</sup>	4.9	5.1	5.2	5.5	5.6	40.9	38.3	35.6	35.8	36.2	59.1	61.7	64.4	64.2	63.8	12.5	11.1	9.5	9.4	9.7
Colombia	9.3	7.7	7.7	7.5	7.6	76.3	80.9	80.2	82.2	84.1	23.7	19.1	19.8	17.8	15.9	23.2	21.4	18.6	19	20.5
Comoros	3.2	2.7	2.3	2.9	2.7	60.8	54.9	47.7	58	54.1	39.2	45.1	52.3	42	45.9	10.5	9.5	5	6.4	6.4
Congo	2.4	1.8	2	1.9	2	63.8	66.5	67	66.9	64.2	36.2	33.5	33	33.1	35.8	4.9	4.8	4.2	3.7	4.3
Cook Islands	3.6	4	3.8	3.6	3.8	87.1	88	87.7	87	87.9	12.9	12	12.3	13	12.1	7.7	8.2	8.6	8.6	9.6
Costa Rica	6	6.3	6.8	7.2	7.3	78	79	78.5	79.6	78.8	22	21	21.5	20.4	21.2	21	21.7	21.4	22.2	22.8
Côte d'Ivoire <sup>d</sup>	5.1	4.7	3.9	3.8	3.6	17.4	19.8	18.3	31.6	27.6	82.6	80.2	81.7	68.4	72.4	4.5	5.2	4.3	6.2	5
Croatia	8.7	9.3	8.4	7.8	7.8	86.3	86.8	85.8	82.8	83.6	13.7	13.2	14.2	17.2	16.4	13.7	14.9	14.2	13.2	13.8
Cuba	6.9	7	7.1	7.2	7.3	85.5	85.8	86	86.5	86.8	14.5	14.2	14	13.5	13.2	11.1	10.8	11.4	11.2	11.2
Cyprus <sup>e</sup>	5.7	5.8	5.9	6.1	6.4	42.7	41.6	42.3	44.9	49.1	57.3	58.4	57.7	55.1	50.9	6.5	6.4	6.4	6.8	7
Czech Republic	6.6	6.6	6.9	7.2	7.5	91.5	91.4	91.4	91.1	90	8.5	8.6	8.6	8.9	10	14.1	14.3	13.9	13.9	12.7
Democratic People's Republic of Korea	4.8	5.9	5.8	5.8	5.8	89.2	91.4	91.2	91.3	91.2	10.8	8.6	8.8	8.7	8.8	6.8	8.1	7.8	7.5	7.3
Democratic Republic of Congo	3.2	3.7	3.1	3.3	4	7.7	5.3	6.8	13.1	18.3	92.3	94.7	93.2	86.9	81.7	2.6	2.6	4.7	4.2	5.4
Denmark	8.5	8.4	8.6	8.8	9	82.2	82.4	82.7	82.9	83	17.8	17.6	17.3	17.1	17	12.5	12.6	13	13.2	13.5
Djibouti	5.1	5.4	5.3	5.5	5.7	65.2	65.7	64.7	65	66.9	34.8	34.3	35.3	35	33.1	10.2	10.7	11.6	10.8	10.5
Dominica	6.2	6.2	5.9	6.3	6.3	74.3	73.6	71.3	71.3	71.3	25.7	26.4	28.7	28.7	28.7	12.8	9.5	11.3	11.9	11.6
Dominican Republic	6	6.8	6.9	7.3	7	30.3	32.1	31.9	32.3	33.2	69.7	67.9	68.1	67.7	66.8	10.5	13.1	12	12.4	12.8
Ecuador	4.7	4.1	4.8	5	5.1	39.4	31.2	33.5	38.4	38.6	60.6	68.8	66.5	61.6	61.4	9.8	6.4	8.5	9.7	8.7
Egypt	5	5.2	5.4	5.9	5.8	33.9	36.5	39.9	42.7	42.6	66.1	63.5	60.1	57.3	57.4	5.6	6.3	7.1	8.4	8.2
El Salvador	8	8	7.7	8	8.1	43.5	45.1	42.4	44.7	46.1	56.5	54.9	57.6	55.3	53.9	25.1	25	21.2	22.8	22



Member State	Social security expenditure on health as % of																			
	External resources for health as % of total expenditure on health					general government expenditure on health					Out-of-pocket expenditure as % of private expenditure on health					Private prepaid plans as % of private expenditure on health				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Afghanistan	3	3.2	4.2	46.8	45.6	0	0	0	0	0	98.2	98	97.3	75.9	76.5	0	0	0	0	0
Albania	6.8	8.6	4.9	3.7	3.4	19.2	16.7	18.1	20.3	25.1	99.7	99.8	99.8	99.8	99.8	0	0	0	0	0
Algeria	0.1	0.1	0.1	0	0	40.8	35.5	33.3	29.1	28.4	97	96.7	96	95.7	95.3	2.9	3.1	3.8	4.1	4.4
Andorra	0	0	0	0	0	87.5	88.1	86.2	88	89.2	77.9	77.5	70	70.6	71.1	19.9	20.3	26.7	26.5	26.3
Angola	5.7	17.5	16.7	8.3	6.7	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Antigua and Barbuda	3.8	3.8	3.4	1	2.2	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Argentina	0.3	0.3	0.3	0.3	0.2	58.7	59.3	58.5	57.9	56.8	64	63.3	62.4	60.3	55.6	31.9	32.6	31.1	32.7	38.2
Armenia	19	13	21.9	22.2	17.2	0	0	0	0	0	82.2	91	79.6	79.4	80.6	n/a	n/a	0.1	0.1	n/a
Australia	0	0	0	0	0	0	0	0	0	0	62.5	65.2	65.9	67.6	67.8	21.8	21.9	23.7	23.3	23.9
Austria	0	0	0	0	0	63.5	64	65.4	65.5	65.8	62.9	63.8	58.9	59.8	59.2	22.9	23	22.9	23.6	23.5
Azerbaijan	1	2.1	4.1	1.9	1.9	0	0	0	0	0	96.3	96	96.1	96.2	96.8	n/a	n/a	n/a	n/a	n/a
Bahamas	0	0	0.2	0.2	0.2	1.8	1.8	1.7	1.6	1.7	40.3	40.3	40.3	40.3	40.5	58.6	58.6	58.6	58.6	58.4
Bahrain	0	0	0	0	0	0.4	0.5	0.5	0.5	0.5	72.1	68.7	65.8	62.4	61.2	22.7	25.4	24.2	24.1	22
Bangladesh	12.2	12.9	13.3	12.9	12.4	0	0	0	0	0	88.8	86.5	86	85.9	85.8	0	0	0	0.1	0.1
Barbados	4.2	4	4.4	4.2	2.7	0	0	0	0	0	77.2	77.3	76.9	77.2	77.2	22.8	22.7	23.1	22.8	22.8
Belarus	0.1	0.1	0.2	0.1	n/a	3.8	4.1	3.7	3.9	6.1	70.2	70.4	74.7	79.7	80.5	0.6	0.3	0.1	0.2	0.2
Belgium	0	0	0	0	0	87.3	87.6	87.4	88.8	88.4	80.9	80.2	79.5	80.5	66.6	6.6	6.4	6.7	6.6	6
Belize	3.1	2.9	8.5	8	7.3	0	0	12.5	21.6	22.8	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Benin	14.6	16.8	12.2	8.5	11.5	n/a	n/a	n/a	n/a	n/a	91	91	90.6	90.3	90.3	8.4	8.4	8.7	9	9
Bhutan	32.5	31.2	45.7	23.9	18.6	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Bolivia	5.7	6	7.1	7.4	7.3	60.9	62	65.2	65	65	83.8	81.6	77.9	78.9	79.3	5.5	8.1	12	10.8	10.6
Bosnia and Herzegovina	3.9	5.2	3	1.8	1.5	79	78	79	83.5	77.5	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Botswana	2.2	1.8	2.9	3.4	2.9	n/a	n/a	n/a	n/a	n/a	30.3	31.3	31.5	29.7	28.8	22.7	20.6	20	19.6	21.8
Brazil	0.5	0.5	0.5	0.5	0.3	0	0	0	0	0	67.1	64.9	64.1	64.2	64.2	32.9	35.1	35.9	35.8	35.8
Brunei Darussalam	n/a	n/a	n/a	n/a	n/a	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Bulgaria	0.5	2	1.5	1.3	1	9.9	13	35.8	40.6	51.6	99	99	99.2	98.4	98.4	0	0	0.1	0.9	0.9
Burkina Faso	10.2	9.9	10.1	7	7.4	0.3	0.8	1.2	0.7	1	98.1	98.1	98.1	98.1	98.1	0.9	0.9	0.9	0.9	0.9
Burundi	10.7	8	10.6	10.3	14.1	n/a	n/a	n/a	n/a	n/a	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Cambodia	13.4	18.8	19.7	11.5	18.5	0	0	0	0	0	90.1	85.4	84.6	85.2	86.2	0	0	0	0	0
Cameroon	5.2	6	6.9	2.3	3.2	0.1	0.1	0.1	0.1	0.1	94.2	93.3	93.4	93.6	98.3	n/a	n/a	n/a	n/a	n/a
Canada	0	0	0	0	0	1.9	2	2	2	2.1	55	53.6	51.1	50.4	49.6	37.9	39	41.6	42.1	42.3
Cape Verde	8.4	13.5	15.1	15.2	10	36.9	36.1	35.1	33.6	35.5	99.7	99.6	99.5	99.8	99.7	0.3	0.4	0.5	0.2	0.3
Central African Republic	20	20	15.4	13.4	2.9	n/a	n/a	n/a	n/a	n/a	95.1	95.5	95.5	95.5	95.3	n/a	n/a	n/a	n/a	n/a
Chad	29.1	36.6	33.8	17	11.8	n/a	n/a	n/a	n/a	n/a	96.7	96.5	96.6	96.5	96.3	0.3	0.4	0.4	0.4	0.4
Chile	0.1	0.1	0.1	0	0	77.2	31.1	31.6	32.2	32.1	60.6	47.1	48	47.3	46.2	39.4	52.9	52	52.7	53.8
China <sup>c</sup>	0.3	0.2	0.2	0.1	0.1	54.2	57.2	55.1	54.8	53.4	94.5	95.6	93.1	90	87.6	1.7	1	1.9	3.3	5.8
Colombia	0.3	0.3	0.2	0	0	63.2	60.2	66.3	63.9	66	72.4	59	59.1	55.9	47.2	27.6	41	40.9	44.1	52.8
Comoros	47.6	35.9	26.2	43	40.5	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Congo	2.8	2.4	2.5	2.4	2.2	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Cook Islands	35.9	28.4	25.8	6.8	12.2	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Costa Rica	1	1	1.9	1.6	2.7	90.7	89.6	87.5	88.4	88.6	97.5	97.4	97.8	97.8	88.7	2.5	2.6	2.2	2.2	2.1
Côte d'Ivoire <sup>d</sup>	2.7	2.9	3.5	3.7	3.4	n/a	n/a	n/a	n/a	n/a	94	93.4	92.1	90.3	90.5	6	6.6	7.9	9.7	9.5
Croatia	0.9	1	1	1	0.6	97.5	97.6	97.7	97.9	96.1	100	100	100	100	100	0	0	0	0	0
Cuba	0.2	0.2	0.3	0.2	0.2	0	0	0	0	0	76	75.6	75.2	75.2	75.2	0	0	0	0	0
Cyprus <sup>e</sup>	0	0	2.8	2.6	2.3	9.5	10.9	11.9	12.5	10.7	95.3	95.3	95.6	95.7	96	4.7	4.7	4.4	4.3	4
Czech Republic	0	0	0	0	0	89.4	89.4	90.4	87.4	85.4	100	100	100	93.6	83.9	0	0	0	2.5	2.5
Democratic People's Republic of Korea	0.2	0.2	0.3	17.3	19.1	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Democratic Republic of Congo	6	4.9	6.6	12.7	15.1	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Denmark	0	0	0	0	0	0	0	0	0	0	90.4	91	92	92.8	92.5	9.6	9	8	7.2	7.5
Djibouti	22.2	26.4	31.2	31.6	31.5	11.6	12.1	12	13.3	12.9	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Dominica	2.1	1.2	0.9	0.5	0.4	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Dominican Republic	3	2.2	1.5	2	1.5	20.3	22.4	20.5	19.9	17.4	80.4	77.4	73.3	70.6	70.8	9.4	12.8	17.3	20	20.7
Ecuador	3.2	4.1	1.8	1	0.9	31.7	28	32.2	32	31.9	84.2	85.3	87.6	88.4	88.1	5.4	4.8	3	2.3	2.2
Egypt	1.3	1.1	1.3	0.8	0.9	32.8	32.7	30.2	24.7	27.1	93.7	93.8	93.7	93.9	93.2	0.4	0.4	0.4	0.4	0.3
El Salvador	1.5	0.9	0.8	0.7	1	44	44.2	36.3	44.5	44.1	90.2	95.6	93.6	93.9	93.5	9.6	4.2	6.4	6.1	6.3

Annex Table 2 Selected indicators of health expenditure ratios, 1999–2003

Figures computed by WHO to assure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative methods.

Member State	Total expenditure on health as % of gross domestic product					General government expenditure on health as % of total expenditure on health <sup>b</sup>					Private expenditure on health as % of total expenditure on health <sup>b</sup>					General government expenditure on health as % of total government expenditure				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Equatorial Guinea	2.8	2	1.7	1.8	1.5	60.8	67.6	70.2	72.2	67.5	39.2	32.4	29.8	27.8	32.5	9.9	11	10.1	8.8	7
Eritrea	3.8	4.5	4.6	4.5	4.4	70.3	66.9	59.2	50.9	45.5	29.7	33.1	40.8	49.1	54.5	2.9	4.4	4.6	3.9	4
Estonia	6	5.5	5.1	5	5.3	81	77.5	78.6	77.1	77.1	19	22.5	21.4	22.9	22.9	11.4	11.1	10.7	10.6	11.2
Ethiopia	5.4	5.7	5.8	6	5.9	53	54.6	53.2	56.9	58.4	47	45.4	46.8	43.1	41.6	8.9	9.3	10.5	9.9	9.6
Fiji	3.7	3.9	3.8	4.1	3.7	65.2	65.2	66.4	66.4	61.3	34.8	34.8	33.6	33.6	38.7	7.3	8.1	7.9	8.3	7.8
Finland	6.9	6.6	6.9	7.2	7.4	75.3	75.1	75.9	76.3	76.5	24.7	24.9	24.1	23.7	23.5	10	10.2	10.7	11	11.2
France	9.3	9.3	9.4	9.7	10.1	76	75.8	75.9	76.1	76.3	24	24.2	24.1	23.9	23.7	13.3	13.5	13.7	13.8	14.2
Gabon	4.5	4.2	4.2	4.4	4.4	68.4	73.1	73	69.8	66.6	31.6	26.9	27	30.2	33.4	10.9	13.9	9.9	10.7	12.8
Gambia	7	7.9	7.8	7.5	8.1	32.3	40.5	40.1	40.9	40	67.7	59.5	59.9	59.1	60	10	14.4	9.4	12	13.9
Georgia	2.9	4.3	4.4	4.5	4	35.4	28.4	30	28.8	23.9	64.6	71.6	70	71.2	76.1	4.8	6.4	6.6	6.6	4.7
Germany	10.6	10.6	10.8	10.9	11.1	78.5	78.6	78.4	78.6	78.2	21.5	21.4	21.6	21.4	21.8	17.1	18.2	17.4	17.6	17.6
Ghana	5.5	5.4	4.8	4.7	4.5	35.3	35.3	28.8	30.5	31.8	64.7	64.7	71.2	69.5	68.2	7.8	6.8	4.2	5.4	5
Greece	9.6	9.9	10.2	9.8	9.9	53.4	52.6	54.2	51.6	51.3	46.6	47.4	45.8	48.4	48.7	10.4	10	10.9	10.1	10.1
Grenada	5.5	7.2	7.6	7.1	6.7	73.3	74	77.9	72.9	73.6	26.7	26	22.1	27.1	26.4	14.7	13.2	15.1	10.7	12.4
Guatemala	4.7	5.5	5.4	5.2	5.4	48.3	39.8	38.1	36.9	39.7	51.7	60.2	61.9	63.1	60.3	17	16.2	15.4	14.1	15.3
Guinea	4.7	4.8	4.8	5.2	5.4	13.4	13.5	18.3	14.7	16.6	86.6	86.5	81.7	85.3	83.4	3.9	3.9	4.7	4.2	4.9
Guinea-Bissau	4.8	4.1	4.3	6.2	5.6	29.7	23.7	21.3	40.8	45.8	70.3	76.3	78.7	59.2	54.2	4.6	2.2	2.1	6.6	6.9
Guyana	4.3	5.5	5.3	5	4.8	82.8	84.5	82.6	83.1	82.6	17.2	15.5	17.4	16.9	17.4	8	10.8	12.3	12.2	11.6
Haiti	6.8	6.8	7.1	7.5	7.5	36.3	36	37.7	39.4	38.1	63.7	64	62.3	60.6	61.9	18.5	20.7	23.8	23.8	23.8
Honduras	5.7	6.4	6.5	6.9	7.1	50.8	55.9	54.7	55.3	56.5	49.2	44.1	45.3	44.7	43.5	12.2	15.1	14.1	15.6	16.8
Hungary	7.4	7.1	7.4	7.8	8.4	72.4	70.7	69	70.2	72.4	27.6	29.3	31	29.8	27.6	10.7	10.6	10.5	10.4	12.1
Iceland	9.4	9.3	9.3	10	10.5	83.6	82.6	82.7	83.2	83.5	16.4	17.4	17.3	16.8	16.5	18.1	17.8	17.5	18.2	18.3
India	5.1	5	5	4.9	4.8	24.6	24.6	24.2	23.7	24.8	75.4	75.4	75.8	76.3	75.2	4.5	4.3	4.2	3.9	3.9
Indonesia	2.6	2.5	3.1	3.2	3.1	30.4	28.1	35.6	34.5	35.9	69.6	71.9	64.4	65.5	64.1	3.8	3.5	4.7	5.1	5.1
Iran, Islamic Republic of	6.2	5.8	6.3	5.8	6.5	41.1	43.2	44.5	37.7	47.3	58.9	56.8	55.5	62.3	52.7	10.9	11.7	11.5	8	10.3
Iraq <sup>c</sup>	1.9	1.7	1.6	1.6	2.7	39.6	29.1	27.1	16.8	51.8	60.4	70.9	72.9	83.2	48.2	1.2	1.3	1.2	0.7	4.2
Ireland	6.2	6.2	6.8	7	7.3	73.7	73.9	75.3	77.5	78.9	26.3	26.1	24.7	22.5	21.1	13.4	14.6	15.4	16.3	17.2
Israel	8.6	8.6	9.2	9.3	8.9	69.5	67.9	67.7	67.2	68.2	30.5	32.1	32.3	32.8	31.8	11.3	11.5	11.6	11.4	11.4
Italy	7.7	8.1	8.2	8.4	8.4	72	73.5	75.8	75.4	75.1	28	26.5	24.2	24.6	24.9	11.4	12.6	12.7	13.1	12.8
Jamaica	5.4	6.2	5.4	4.9	5.3	50.3	52.6	45.7	51.1	50.6	49.7	47.4	54.3	48.9	49.4	5.6	6.6	4.3	4.5	4.5
Japan	7.4	7.6	7.8	7.9	7.9	81.1	81.3	81.7	81.5	81	18.9	18.7	18.3	18.5	19	15.9	16.1	16.9	16.8	16.8
Jordan <sup>d</sup>	8.8	9.2	9.4	9.3	9.4	48	45.2	45.7	46.3	45.2	52	54.8	54.3	53.7	54.8	10.1	9.8	9.8	9.9	8.9
Kazakhstan	4.3	4.1	3.4	3.5	3.5	51.9	50.9	56.4	53.2	57.3	48.1	49.1	43.6	46.8	42.7	8.8	9.3	8.4	9	9
Kenya	4.6	4.3	4.2	4.5	4.3	41.1	46.5	42.8	44	38.7	58.9	53.5	57.2	56	61.3	4.1	11.1	8	9.2	7.2
Kiribati	7.6	10.7	11.5	11.3	13.1	98.9	99.1	99.2	99.1	92.4	1.1	0.9	0.8	0.9	7.6	6.8	9.8	10.5	10.4	7.8
Kuwait	3.6	3.1	3.6	3.9	3.5	77.2	78.2	77.7	78.1	77.5	22.8	21.8	22.3	21.9	22.5	6.4	8.8	6.2	6.6	6.1
Kyrgyzstan	4.9	4.4	4.5	5.1	5.3	48	46.8	43	41.3	40.8	52	53.2	57	58.7	59.2	7.8	8.2	8.7	8.7	9
Lao People's Democratic Republic	2.4	2.5	2.7	2.9	3.2	41.5	38.7	40.5	44.5	38.5	58.5	61.3	59.5	55.5	61.5	6	4.8	5.4	7.6	6.2
Latvia	6.4	6	6.2	6.3	6.4	59	55	51.2	52.1	51.3	41	45	48.8	47.9	48.7	9.1	8.9	9.1	9.3	9.4
Lebanon	11.3	11.7	11.7	10.6	10.2	27.5	28.5	30.2	30.1	29.3	72.5	71.5	69.8	69.9	70.7	9.5	7.9	10.2	8.8	8.4
Lesotho	5.4	5.8	5.6	6.5	5.2	80.9	82.6	82	83.1	79.7	19.1	17.4	18	16.9	20.3	9.1	9.7	10.1	10.9	9.5
Liberia	6.3	4.8	4.1	3.9	4.7	67.7	57.7	50.3	47.7	56.7	32.3	42.3	49.7	52.3	43.3	18.1	13	12.4	10.5	17.6
Libyan Arab Jamahiriya	3.6	3.2	5.5	5	4.1	50.7	58.1	73.2	65.5	62.9	49.3	41.9	26.8	34.5	37.1	5.5	6	9.2	7.9	5.9
Lithuania	6.3	6.5	6.3	6.5	6.6	74.9	69.7	72.6	74.9	76	25.1	30.3	27.4	25.1	24	12.2	14.6	15.2	14.2	14.7
Luxembourg	6.2	6	6.3	7.1	6.8	89.8	90.3	90.8	91.1	90.8	10.2	9.7	9.2	8.9	9.2	13.4	14	14.7	14.8	13.7
Madagascar	2.2	2.1	1.9	2.8	2.7	53.7	53	64.7	63	63.4	46.3	47	35.3	37	36.6	6.9	6.5	7	11.4	9.3
Malawi	9.8	8.6	10.5	9.4	9.3	36.9	30.2	45.2	34	35.2	63.1	69.8	54.8	66	64.8	12.2	7.5	11.7	9.1	9.1
Malaysia	3.2	3.3	3.7	3.7	3.8	51.2	52.4	55.8	55.4	58.2	48.8	47.6	44.2	44.6	41.8	6.5	6.5	6.4	6.6	6.9
Maldives	5.6	5.9	6	5.8	6.2	85.2	86.9	87.5	87.7	89	14.8	13.1	12.5	12.3	11	13.2	13.7	13.8	13.3	13.8
Mali	4	4.7	4.3	4.5	4.8	42.9	49.5	50.1	52.6	57.4	57.1	50.5	49.9	47.4	42.6	6.6	8.5	8.2	9	9.2
Malta	7	8	8	9.1	9.3	75.6	76.5	77.8	79.7	80.1	24.4	23.5	22.2	20.3	19.9	11.9	14.2	13.8	15.3	15.5
Marshall Islands	15.9	14.7	12.4	12	13.1	97.2	96.9	96.3	96.3	96.7	2.8	3.1	3.7	3.7	3.3	17.9	13.7	12.1	11.5	14.4
Mauritania	2.7	2.5	2.9	3.9	4.2	64.2	63.3	67.9	74.2	76.8	35.8	36.7	32.1	25.8	23.2	8.6	6.5	6.8	9.2	14.3
Mauritius	3.1	3.3	3.5	3.6	3.7	62	58.7	60.5	60.7	60.8	38	41.3	39.5	39.3	39.2	7.2	6.6	9	9.4	9.2
Mexico	5.6	5.6	6	6	6.2	47.8	46.6	44.8	44.9	46.4	52.2	53.4	55.2	55.1	53.6	12.2	11.4	11.9	11.6	11.7

Member State	Social security expenditure on health as % of																			
	External resources for health as % of total expenditure on health					general government expenditure on health					Out-of-pocket expenditure as % of private expenditure on health					Private prepaid plans as % of private expenditure on health				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Equatorial Guinea	9.2	7.7	5.9	3.6	5.5	0	0	0	0	0	91.8	83.9	81.3	80.5	80.5	0	0	0	0	0
Eritrea	20.2	30.6	24.1	22.5	19.6	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Estonia	3.6	0.9	0	0	0.1	82.1	86	86.1	86	84.9	74.4	88.5	88.9	87.6	88.3	n/a	n/a	n/a	n/a	n/a
Ethiopia	22.6	19.3	23.4	21.7	26	0.4	0.4	0.4	0.4	0.4	79.7	79.1	79.8	79.3	78.7	0.4	0.5	0.5	0.5	0.5
Fiji	11.1	10.9	10.3	5.7	13.4	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Finland	0	0	0	0	0	19.8	20.4	20.8	21.1	21.5	82.2	82	81.8	81.7	81.2	10.8	10.5	10.4	10	10.2
France	0	0	0	0	0	96.7	96.6	96.5	96.6	96.7	43	43.4	43.3	42.5	42.2	52.6	52.2	52.5	53.2	53.5
Gabon	2.4	1	1.6	0.7	0.7	1.7	1.6	1.7	1.7	1.7	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Gambia	29.8	35.8	30.8	18.5	21.8	0	0	0	0	0	68.1	69.3	69.6	69.2	67	n/a	n/a	n/a	n/a	n/a
Georgia	6.8	8.6	4.4	10.7	5.3	48.8	44	42.8	46.5	59.2	99.5	98.9	96.9	98.2	98.2	0.5	1.1	3.1	1.8	1.8
Germany	0	0	0	0	0	87.2	87.3	87.1	87.2	87.4	50.8	49.6	49.7	48.2	47.9	38	38.7	38.6	39.9	40.2
Ghana	6.4	12.8	20.7	14.4	15.8	n/a	n/a	n/a	n/a	n/a	100	100	100	100	100	0	0	0	0	0
Greece	n/a	n/a	n/a	n/a	n/a	35.4	32.3	33.2	36.6	32	69.5	94.7	95.2	95	95.4	4.1	5.3	4.8	5	4.6
Grenada	n/a	n/a	n/a	10.5	10.3	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Guatemala	2.4	3.4	2.5	2.2	3.8	54.8	52.3	51	52	50.5	85.6	89.7	90	90.5	91.9	5.4	4.2	4.2	4.2	3.9
Guinea	5.5	5.8	10.5	6.3	7.3	1.8	1.8	1.5	1.7	1.5	99.4	99.4	99.4	99.5	99.4	0	0	0	0	0
Guinea-Bissau	22.4	16	15.8	35.5	26.8	1.2	2.1	3	1.5	2.2	85.1	83.7	85.2	84.1	80.2	0	0	0	0	0
Guyana	4.5	2.9	2.2	2.6	3.2	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Haiti	27.3	27.9	23.6	15.6	12.4	0	0	0	0	0	68.9	68.9	71	69.5	69.5	n/a	n/a	n/a	n/a	n/a
Honduras	13.1	8.8	6	7.2	9.3	16.6	14.3	14.2	12.9	11.6	85.6	85.4	85.4	85.5	85.8	7.2	7.3	7.2	7.2	7.1
Hungary	0	0	0	0	0.4	83.8	83.9	83.3	81.3	83.4	90	89.8	89.3	88.2	88.9	0.3	0.6	1	1.3	2.1
Iceland	0	0	0	0	0	26.8	29.2	28.2	32.5	36.5	100	100	100	100	100	0	0	0	0	0
India	1.2	2.2	2	1.3	1.6	4.4	4.4	4.4	4.4	4.2	96.6	96.4	96.3	96.2	97	0.6	0.7	0.8	0.9	0.9
Indonesia	8.5	7.3	2.8	1.8	1.4	6.8	6.8	8	9.9	9.9	73.6	72.2	75.1	75.3	74.3	5.1	4.7	4.1	5.1	5.4
Iran, Islamic Republic of	0	0.1	0.3	0.1	0.1	39.2	38	36.6	42.6	30.9	95.3	95	94.7	95	94.8	3.9	4.2	4.5	4.3	4.4
Iraq <sup>1</sup>	1	0.9	1.5	0.6	3.8	n/a	n/a	n/a	n/a	n/a	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Ireland	0	0	0	0	0	1.1	1.2	1	0.9	0.8	53	52	48.3	60.1	61.9	30.2	29.2	25.7	24.5	29.6
Israel	3.1	4.3	5.3	4.9	3.4	63.1	60.7	62.7	59.7	61.9	94.8	86	82.9	84.6	89.1	0	0	0	0	0
Italy	0	0	0	0	0	0.1	0.1	0.3	0.1	0.2	86.7	86.2	83.9	83.2	83.3	3.4	3.4	3.7	3.7	3.8
Jamaica	2.6	1.8	3.4	4.7	1.2	0	0	0	0	0	69.5	65	66.2	61.8	64.7	25.1	30	28.8	32.5	30.8
Japan	0	0	0	0	0	81.2	80.9	80.5	80.5	80.5	90.6	90.1	89.9	93.3	90.1	1.5	1.7	1.5	1.7	1.7
Jordan <sup>a</sup>	6.3	5	5.2	3.4	4.2	0.8	0.9	0.7	0.7	0.7	73.5	74.7	74.5	73.9	74	5.3	5.5	7.3	7.4	8.1
Kazakhstan	0.8	0.7	0.7	0.8	1.2	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Kenya	13.3	13.2	17.2	16.4	15.3	16.7	11.7	14.8	9.2	10	79.3	80.1	80.5	80	82.6	7.4	7.1	6.8	6.9	6
Kiribati	n/a	1.5	2.8	1.7	0.8	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0	0	0	0	96.4	94.9	95	93.8	91.2	3.6	5.1	5	6.2	8.8
Kyrgyzstan	15.9	16.3	14.3	9.9	17.3	7.1	10.4	9.4	10.6	15.2	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Lao People's Democratic Republic	34.5	22.5	10.1	9.5	30	0.2	0.5	0.5	0.6	1	66.3	69.6	70.3	70.6	75.5	12.6	13	12.2	11.8	9.8
Latvia	0.7	0.5	0.5	0.4	0.4	50.1	57	52	49.6	82.7	100	100	99.4	99.4	94.3	0	0	0.6	0.6	5.7
Lebanon	0.7	0.2	0.2	0.1	0.1	45.5	45.2	41.8	45.3	46	82.3	80.9	80.8	79.7	79.4	15.4	16.6	16.6	17.6	17.8
Lesotho	3.6	10.8	16.2	6.4	8.2	0	0	0	0	0	20	20	19.4	18.6	18.2	n/a	n/a	n/a	n/a	n/a
Liberia	55.7	43.6	31.2	25.5	32.3	0	0	0	0	0	98.5	98.5	98.5	98.5	98.5	0	0	0	0	0
Libyan Arab Jamahiriya	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Lithuania	0	1.7	1.6	1.5	1.3	89.8	88.3	84.3	76.7	74.6	99.6	86.2	97	98.2	96.6	0.1	0.3	0.2	0.5	0.5
Luxembourg	0	0	0	0	0	93.1	82.6	78.9	86	88.1	72	72.6	72.7	78.3	77.3	13.6	11.3	10.2	9.8	10
Madagascar	40.5	43.3	39.1	31.6	22	n/a	n/a	n/a	n/a	n/a	89.7	90.5	87.1	91.6	91.7	10.3	9.5	12.9	8.4	8.3
Malawi	26.1	18.5	31	23	25.1	0	0	0	0	0	42.3	41.7	42	42.5	42.7	1.7	1.6	1.7	1.6	1.6
Malaysia	1	0.8	0	0	0.1	0.6	0.6	0.8	0.8	0.8	75	75.4	73.5	73.6	73.8	12.2	11.9	14.1	14.2	13.7
Maldives	7.7	3.3	1.8	3.4	0.4	21.3	20.5	24.9	23.8	22.9	100	100	100	100	100	0	0	0	0	0
Mali	18.8	24.1	20.8	3.4	13.7	24	21.8	22.9	27.7	26	89.3	88.6	89.1	89.2	89.3	0	0	0	0	0
Malta	0	0	0	0	0	77.9	70	71	62.1	64.1	89.7	90.4	89.6	89.7	89.9	10.3	9.6	10.4	10.3	10.1
Marshall Islands	22.7	24.4	47.6	22.9	16.4	32.5	53.9	54.9	51.9	17.4	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Mauritania	5.5	5.7	4.9	2.5	4.7	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Mauritius	1.2	1.1	1.6	1.4	1	6.5	7.8	8.3	8.3	8.7	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Mexico	1.2	1	0.9	0.8	0.4	69.1	67.6	66.3	66	66.9	95.9	95.3	95	94.6	94.2	4.1	4.7	5	5.4	5.8

Annex Table 2 Selected indicators of health expenditure ratios, 1999–2003

Figures computed by WHO to assure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative methods.

Member State	Total expenditure on health as % of gross domestic product					General government expenditure on health as % of total expenditure on health <sup>b</sup>					Private expenditure on health as % of total expenditure on health <sup>b</sup>					General government expenditure on health as % of total government expenditure				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Micronesia, Federated States of	6.8	6.5	6.5	6.4	6.4	88	86.8	87	88.2	88	12	13.2	13	11.8	12	7.9	8	8.9	8.8	8.8
Monaco	9.3	9.4	9.4	9.2	9.7	69.4	70.7	71.9	73.1	75.9	30.6	29.3	28.1	26.9	24.1	11.6	14	13.6	14.3	17.5
Mongolia	5.4	7	7.3	6.7	6.7	73.3	65.9	66.3	69.8	63.8	26.7	34.1	33.7	30.2	36.2	10.9	10.6	10.6	11.5	10.3
Morocco <sup>b</sup>	4.6	4.7	4.9	5	5.1	30.2	30.7	32.4	32.4	33.1	69.8	69.3	67.6	67.6	66.9	4.4	4.2	4.5	5.3	6
Mozambique	4.7	5.5	4.8	5.1	4.7	63	67.8	66.2	67.6	61.7	37	32.2	33.8	32.4	38.3	12.1	12.9	10.7	11.5	10.9
Myanmar	1.8	2.2	2.1	2.8	2.8	11	13.7	12.5	18.5	19.4	89	86.3	87.5	81.5	80.6	0.8	1.2	1.3	2.3	2.5
Namibia	7	7	6.4	5.9	6.4	73.3	68.9	69.4	68.6	70	26.7	31.1	30.6	31.4	30	13.1	12.3	11.1	11	12.4
Nauru	16	13.8	12.2	12.9	12.3	89.1	88.9	88.7	88.8	88.5	10.9	11.1	11.3	11.2	11.5	9.2	9.2	9.1	9.2	8.8
Nepal	5.1	4.9	5.4	5.6	5.3	25.4	24.9	31.4	32.2	27.8	74.6	75.1	68.6	67.8	72.2	7.4	7	8.7	9.5	7.9
Netherlands	8.4	8.3	8.7	9.3	9.8	62.7	63.1	62.8	62.5	62.4	37.3	36.9	37.2	37.5	37.6	11.2	11.5	11.5	12	12.4
New Zealand	7.7	7.8	7.9	8.2	8.1	77.5	78	76.4	77.9	78.3	22.5	22	23.6	22.1	21.7	14.9	15.6	16.1	17.3	17.2
Nicaragua	5.8	7.1	7.7	7.9	7.7	54	52.5	48.6	49.4	48.4	46	47.5	51.4	50.6	51.6	11.2	13.1	12.9	15.2	11.7
Niger	4.5	4.4	4.3	4.3	4.7	49.7	52.4	53.1	52.8	53	50.3	47.6	46.9	47.2	47	12.5	12.3	12	11.5	12.4
Nigeria	5.4	4.3	5.3	5	5	29.1	33.5	31.4	25.6	25.5	70.9	66.5	68.6	74.4	74.5	5.4	4.2	3.2	3.1	3.2
Niue <sup>c</sup>	8	7.7	38.2	10.3	9.7	97	96.8	99.4	98.5	98.4	3	3.2	0.6	1.5	1.6	6.7	6.1	30.6	8.9	9.3
Norway	9.4	8.5	8.9	9.9	10.3	82.6	82.5	83.6	83.5	83.7	17.4	17.5	16.4	16.5	16.3	16.1	16.4	16.7	17.4	17.6
Oman	3.6	3.1	3.1	3.3	3.2	83.2	81	82.2	82.8	83	16.8	19	17.8	17.2	17	7.9	7.3	6.8	7.2	7
Pakistan	3.7	2.8	2.6	2.6	2.4	32.6	33	32.3	34.7	27.7	67.4	67	67.7	65.3	72.3	4	3.4	3.4	3.1	2.6
Palau	9.5	9.9	9.7	9.4	9.7	88.5	89.1	89	87.3	86.7	11.5	10.9	11	12.7	13.3	13.9	14.8	13.3	11.8	15.2
Panama <sup>d</sup>	6.9	7.8	7.7	8	7.6	66.3	68.1	67.1	69	66.4	33.7	31.9	32.9	31	33.6	18.9	21.3	19.8	20.2	16.2
Papua New Guinea	3.5	3.6	3.7	3.5	3.4	89.3	88.3	89.5	89.8	88.9	10.7	11.7	10.5	10.2	11.1	10.3	10.5	11	11.4	10.9
Paraguay	7.2	8.4	8.4	8.3	7.3	44.9	40.2	35.2	33.3	31.5	55.1	59.8	64.8	66.7	68.5	16.7	17.5	15.9	15	14.2
Peru	4.9	4.7	4.6	4.4	4.4	53.1	53	51	48.6	48.3	46.9	47	49	51.4	51.7	12.3	12.1	12.1	12.1	10.7
Philippines	3.5	3.4	3.2	3	3.2	44.2	47.6	44.2	40	43.7	55.8	52.4	55.8	60	56.3	6.5	7.1	5.9	4.9	5.9
Poland	5.9	5.7	6	6.6	6.5	71.1	70	71.9	71.2	69.9	28.9	30	28.1	28.8	30.1	8.7	8.9	9.7	10.2	9.8
Portugal	8.7	9.2	9.4	9.3	9.6	67.6	69.5	70.6	70.5	69.7	32.4	30.5	29.4	29.5	30.3	13	14.1	14.3	14.3	14.1
Qatar	3.6	2.8	2.9	3.3	2.7	73.6	75	74.1	73.6	73.9	26.4	25	25.9	26.4	26.1	6.9	6.7	6.8	6.8	6.7
Republic of Korea	4.8	4.7	5.4	5.3	5.6	44.4	46.2	51.9	50.3	49.4	55.6	53.8	48.1	49.7	50.6	9	9.1	11.2	10.7	8.9
Republic of Moldova	6.8	6.5	6.4	7.1	7.2	45.8	51.3	51.1	57.2	54.5	54.2	48.7	48.9	42.8	45.5	8.5	9.8	11.2	12.9	11.8
Romania	5.4	5.4	5.5	5.9	6.1	62.6	65.5	64.6	63.9	62.9	37.4	34.5	35.4	36.1	37.1	9.6	9.9	10.3	10.5	10.9
Russian Federation	5.6	5.8	5.7	5.9	5.6	57.8	56.1	58.8	59.4	59	42.2	43.9	41.2	40.6	41	8.8	9.4	9.6	9.6	9.3
Rwanda	4.6	4.3	4.1	4.2	3.7	47.7	34.6	38.8	47	43.5	52.3	65.4	61.2	53	56.5	9.9	8	7.7	10.2	7.2
Saint Kitts and Nevis	5.5	5.6	5.4	5.4	5.3	60.1	63.7	64.2	63.3	63.8	39.9	36.3	35.8	36.7	36.2	10.4	10.4	10.9	9.7	11.4
Saint Lucia	4.6	4.8	5.1	5	5	68.8	69.8	68.9	68.4	68.2	31.2	30.2	31.1	31.6	31.8	10.2	10.7	11.8	10.6	10.3
Saint Vincent and the Grenadines	5.7	5.7	5.7	6.2	6.1	60.8	63.9	64.3	66.8	67.5	39.2	36.1	35.7	33.2	32.5	8.5	10.8	10.1	10.7	11
Samoa	6.3	6.2	5.7	5.8	5.4	75.3	75	74.5	78.4	79	24.7	25	25.5	21.6	21	20.3	21.3	22	24.5	20.1
San Marino	7.3	7.4	7.7	7.7	7.5	77.8	77.4	79.4	79.2	78.7	22.2	22.6	20.6	20.8	21.3	18.2	18	15.2	20.4	21
Sao Tome and Principe	10	8.6	10.5	9	8.6	87.3	85.9	85.8	85	83.9	12.7	14.1	14.2	15	16.1	12.5	11.2	10.9	11.3	11.1
Saudi Arabia	4.3	4.2	4.7	4.5	4	76.1	76.8	78.6	78.2	75.9	23.9	23.2	21.4	21.8	24.1	10.7	9.8	9.9	10.6	9.4
Senegal	4.5	4.4	4.7	5	5.1	36.2	36.4	38.5	39.8	41.8	63.8	63.6	61.5	60.2	58.2	7.8	8.1	8	9.5	9.3
Serbia-Montenegro <sup>e</sup>	9.6	7.7	7.3	7.9	9.6	59.5	63.3	67.2	72.9	75.5	40.5	36.7	32.8	27.1	24.5	12.4	13.5	12.4	12.2	16
Seychelles	5.3	5.2	5.1	5.1	5.9	74.8	75	74.7	74.9	73.2	25.2	25	25.3	25.1	26.8	6.9	6.8	8.1	7	10.2
Sierra Leone	3.1	3.8	3.4	3.5	3.5	46.1	55.5	53.7	63.6	58.3	53.9	44.5	46.3	36.4	41.7	6.9	7.6	6.4	7.9	7.9
Singapore	4.1	3.6	4.3	4.3	4.5	38.4	35.4	36.2	32.4	36.1	61.6	64.6	63.8	67.6	63.9	8.2	6.7	7	6.6	7.7
Slovakia	5.8	5.5	5.6	5.7	5.9	89.6	89.4	89.3	89.1	88.3	10.4	10.6	10.7	10.9	11.7	10.9	9.7	11.4	11.5	13.2
Slovenia	7.7	8.6	9	8.9	8.8	75.5	77.7	76.9	76.5	76.3	24.5	22.3	23.1	23.5	23.7	14	13.7	14.2	14	13.8
Solomon Islands	4.7	5.1	5.1	4.9	4.8	93	93	93.5	93.2	93.4	7	7	6.5	6.8	6.6	11.1	11.4	11.5	13.2	9.4
Somalia	2.7	2.6	2.6	n/a	n/a	45	44.8	44.6	n/a	n/a	55	55.2	55.4	n/a	n/a	4.2	4.2	4.2	n/a	n/a
South Africa	8.7	8.1	8.4	8.4	8.4	41.1	42.4	41.2	40.6	38.6	58.9	57.6	58.8	59.4	61.4	10.7	10.9	11.2	11.6	10.2
Spain <sup>f</sup>	7.5	7.4	7.5	7.6	7.7	72	71.6	71.2	71.3	71.3	28	28.4	28.8	28.7	28.7	13.4	13.3	13.4	13.4	13.7
Sri Lanka	3.5	3.6	3.6	3.6	3.5	48.4	48.5	46.6	45	45	51.6	51.5	53.4	55	55.7	6.8	6.5	6.1	6.4	6.5
Sudan	4.3	3.8	4	4	4.3	25.5	34.4	37.1	38.1	43.2	74.5	65.6	62.9	61.9	56.8	9	8.6	9.5	8.8	9.1
Suriname	7.6	8	7.9	8.1	7.9	51.3	48.8	47.8	46.3	45.8	48.7	51.2	52.2	53.7	54.2	10.7	9.7	10.8	10.4	10.4
Swaziland	6.4	6.1	6	5.9	5.8	59	58.6	57.8	59.3	57.3	41	41.4	42.2	40.7	42.7	11.8	11.6	11.3	10.9	10.9
Sweden	8.4	8.4	8.8	9.2	9.4	85.7	84.9	84.9	85.1	85.2	14.3	15.1	15.1	14.9	14.8	12	12.5	13.1	13.4	13.6

Member State	Social security expenditure on health as % of																			
	External resources for health as % of total expenditure on health					general government expenditure on health					Out-of-pocket expenditure as % of private expenditure on health					Private prepaid plans as % of private expenditure on health				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Micronesia, Federated States of	11.8	11.7	11.7	11.9	n/a	0	0	0	0	0	35.7	35.7	35.7	40	40	0	0	0	0	0
Monaco	0	0	0	0	0	98	98.1	98.2	98.3	98.6	84.8	81.8	81.8	84.6	85.3	15.2	18.2	18.2	15.4	14.7
Mongolia	18.4	22.5	21.1	12.8	3.2	26.1	24.1	31.5	37.4	37.8	55.7	42.6	41.9	84.6	91.1	0	0	0	0	0
Morocco <sup>b</sup>	1.8	1.8	1.7	0.5	1	0	0	0	0	0	76.7	76.6	76.4	76.3	76.1	23.3	23.4	23.6	23.7	23.9
Mozambique	39.6	42.9	47.6	38.3	40.8	0	0	0	0	0	38.5	39	34.3	32	38.8	0.6	0.6	0.6	0.6	0.5
Myanmar	3.1	1.9	1.9	1	2.2	2.1	2	3.4	1.2	1.3	99.8	99.7	99.7	99.7	99.7	0	0	0	0	0
Namibia	2.4	3.8	4	4.3	5.3	1.2	1.8	2	2	1.9	21.3	18.2	20.1	20.4	19.2	74.7	77.3	75.1	74.9	76
Nauru	n/a	n/a	n/a	n/a	n/a	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Nepal	8.9	13.1	12.1	8.4	9.9	0	0	0	0	0	92.5	92.2	92.2	92.2	92.2	0	0	0	0	0
Netherlands	0	0	0	0	0	93.8	93.9	93.8	93.8	93	24.1	24.3	23.4	21.4	20.8	44.5	43	43.6	45.6	45.7
New Zealand	0	0	0	0	0	0	0	0	0	0	70.7	69.9	72	72.6	72.1	27.6	28.5	26.5	25.9	26.5
Nicaragua	10	8.4	7.7	9.3	11.2	31.5	27	31.3	29.2	26.6	93.8	92	93.1	96	95.7	4.9	7	6	4	4.1
Niger	28.6	46.6	23.1	22.7	32.8	2.6	2.8	2.6	2.4	2.2	88.9	88	88.2	88.8	89.2	6.4	7.4	7.3	7	7.2
Nigeria	13.8	16.2	5.6	6.1	5.3	0	0	0	0	0	94.8	92.7	91.4	90.4	91.2	3.4	5.1	6.5	6.7	6.7
Niue <sup>c</sup>	n/a	n/a	75.6	5.2	9.2	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Norway	0	0	0	0	0	16.5	17.1	17.2	18.2	17.9	95.4	95.5	95.7	95.4	95.4	0	0	0	0	0
Oman	0	0.1	0	0	0	0	0	0	0	0	59.8	59.6	56.1	57	56.1	26.8	27	29.2	28.7	29.3
Pakistan	2.2	3.5	3.5	2	2.5	33.7	41.3	42.5	42.1	53.3	98.6	98.1	98	98	98	n/a	n/a	n/a	n/a	n/a
Palau	15.9	15	16.3	10.4	15.8	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Panama <sup>d</sup>	1.1	1	0.5	1	0.2	51.5	50	53.5	52.3	55.5	81.9	81.3	82.3	81.6	82.2	18.1	18.7	17.7	18.4	17.8
Papua New Guinea	26.2	24.2	25	37.7	28.3	0	0	0	0	0	87	88.8	87.6	87.1	87.2	9.8	8.7	9.9	10.4	10.1
Paraguay	5.2	2.8	1.6	3.2	1.8	48.1	53	47.7	36.2	39.8	85.6	88.6	87	80.2	74.6	13.4	10.9	13.2	10.3	11.7
Peru	1.4	1.2	4.6	4.6	3.2	43.5	42.9	42.9	42.9	42.4	82.6	79.4	79.4	78.9	79	13.6	17.2	17.2	17.8	17.6
Philippines	3.7	3.5	3.7	2.8	3.8	11.4	14.7	18	22.6	21.8	77.6	77.2	78.6	78	78.2	11	11.1	10.1	10.7	10.5
Poland	0	0	0	0	n/a	83.5	82.6	83.8	86.2	86	100	100	100	88.2	87.8	n/a	n/a	n/a	n/a	n/a
Portugal	0	0	0	0	0	7.1	6.5	6.5	6.4	6.5	95.3	95.7	95.6	95.6	95.7	4.3	4.3	4.4	4.4	4.3
Qatar	0	0	0	0	0	0	0	0	0	0	88.4	86.7	86.7	88.7	87.5	n/a	n/a	n/a	n/a	n/a
Republic of Korea	0	0	0	0	0	78.7	79.6	81.4	81	81.7	85.9	83.5	83.2	84	82.8	3.7	5.3	4.4	3.8	4.1
Republic of Moldova	16.1	32.6	8.3	2.8	2.5	0	0	0	0	1.1	99.6	98	96.9	96	96.1	n/a	n/a	n/a	n/a	n/a
Romania	3	5.5	7	3.7	3.8	86	89.4	89.5	84.3	85.8	90.1	92	94.6	88.7	90.4	9.9	8	5.4	5.5	4.7
Russian Federation	0.8	0.2	0.2	0.2	0.2	39.4	40.6	40.7	41.7	43.7	67.8	71.1	71.9	70.8	71.1	6.3	6.9	6.2	6.9	6.6
Rwanda	43	48.9	38.2	46.9	54.5	5.1	6.8	8.3	9	9.8	41.4	35.6	39.2	43.8	41.7	3.8	5.6	6.5	7.5	7.1
Saint Kitts and Nevis	5.7	5.2	5	4.8	5.7	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Saint Lucia	0.5	0.5	0.6	0.1	0.1	5.2	4.9	4.9	4.8	5	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Saint Vincent and the Grenadines	0.2	0.2	0.2	0.1	0.1	0	0	0	0	0	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Samoa	14.7	14.5	15.2	18.3	18.9	0.9	2.4	0.7	0.6	1.4	80.5	83.3	81.3	79.3	77.9	0	0	0	0	0
San Marino	0	0	0	0	0	97.6	94.5	96	95.5	92.6	96.5	96.7	96.7	96.8	96.8	3.5	3.3	3.3	3.2	3.2
Sao Tome and Principe	59.9	62.5	62.9	74.9	56	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Saudi Arabia	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a	32.5	30.3	30.7	30.3	28.6	39	40.8	40.1	40.4	41.6
Senegal	12.6	14	19.2	10.3	15.4	19	19.2	18.8	16.6	15.8	96.7	96.6	96.5	95.4	95.3	2.1	2.2	2.2	3.3	3.4
Serbia-Montenegro <sup>k</sup>	1.1	1.9	1.2	0.5	0.5	96.3	93.8	94.5	94.7	89.8	100	100	100	100	85.3	0	0	0	0	14.7
Seychelles	1.3	0.6	0.4	0.5	2	5.3	5.2	5.1	4.8	3.3	62.5	61.8	62.5	62.5	62.5	0	0	0	0	0
Sierra Leone	8.8	11.8	14.8	5.8	15.5	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Singapore	0	0	0	0	0	19	23.3	20.9	23.1	21.5	97.4	97.1	97.1	97.1	97.1	0	0	0	0	0
Slovakia	0.1	0	0	0	0	94.2	94.4	95.1	96.4	93.5	100	100	100	100	100	0	0	0	0	0
Slovenia	0	0.1	0.1	0.1	0.1	87.5	79.5	78.3	79.7	82.6	39.3	38.6	41.7	40.9	41.1	60.7	61.4	58.3	58.3	58.9
Solomon Islands	7.1	16.5	16.5	40.9	68.5	0	0	0	0	0	50.2	51.6	49.2	49.7	53.1	0	0	0	0	0
Somalia	6.1	9	9.3	n/a	n/a	0	0	0	n/a	n/a	100	100	100	n/a	n/a	0	0	0	n/a	n/a
South Africa	0.1	0.4	0.4	0.4	0.5	3.5	3.3	3.1	3.8	4.6	17.1	18.9	17.8	16.8	17.1	77.4	75.6	76.7	77.7	77.7
Spain <sup>l</sup>	0	0	0	0	0	41.1	41.4	41.7	7.3	7	83.3	83.1	83.1	82.6	82	13.4	13.7	13.9	14.3	14.9
Sri Lanka	2.7	2.7	3.1	1.9	2.3	0.2	0.3	0.4	0.3	0.3	86.6	86.4	87.1	88.9	88.9	3	3.9	3.4	3.2	3.2
Sudan	3.7	2.4	2.8	2.9	2.2	36.8	38.7	45.5	42.1	44.7	96.2	95.9	95.8	95.9	96.3	n/a	n/a	n/a	n/a	n/a
Suriname	11.4	10.9	13.5	7.3	7	35.3	40.7	35	35.9	35.3	49.5	44	52.7	45.4	51.8	0.7	0.8	0.7	0.7	0.7
Swaziland	10.3	5.5	5.2	5.1	5.5	0	0	0	0	0	40.9	42.4	41.8	41.7	42.4	18.6	18.9	20	20	19.6
Sweden	0	0	0	0	0	0	0	0	0	0	93.8	91.1	92.2	91.6	92.1	1	1.2	1.5	1.4	2.3

**Annex Table 2 Selected indicators of health expenditure ratios, 1999–2003**Figures computed by WHO to assure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative methods.

Member State	Total expenditure on health as % of gross domestic product					General government expenditure on health as % of total expenditure on health <sup>b</sup>					Private expenditure on health as % of total expenditure on health <sup>c</sup>					General government expenditure on health as % of total government expenditure				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Switzerland	10.5	10.4	10.9	11.1	11.5	55.3	55.6	57.1	57.9	58.5	44.7	44.4	42.9	42.1	41.5	16.7	17.1	17.9	18.2	19.4
Syrian Arab Republic	5.5	5.1	5	5	5.1	41	43	45	45.8	48.2	59	57	55	54.2	51.8	7.2	7.3	6.7	6.5	6.3
Tajikistan	3.8	3.3	3.3	3.3	4.4	27.6	28.2	28.9	27.7	20.8	72.4	71.8	71.1	72.3	79.2	6.3	4.9	5.3	4.8	4.8
Thailand	3.5	3.4	3.3	3.4	3.3	54.8	56.1	56.3	60.2	61.6	45.2	43.9	43.7	39.8	38.4	10.5	10.8	10.3	11.8	13.6
The former Yugoslav Republic of Macedonia	6.3	6	6.1	6.8	7.1	85.2	84.6	83.1	84.7	84.5	14.8	15.4	16.9	15.3	15.5	15.1	15	12.3	14	17.1
Timor-Leste <sup>d</sup>	10	8.4	7.9	7.7	9.6	68.3	75.3	72.6	72.6	75.9	31.7	24.7	27.4	27.4	24.1	8.7	8.1	8.5	8.6	7.7
Togo <sup>e</sup>	5.4	4.6	5.4	4.9	5.6	40	29	25.2	18.7	24.8	60	71	74.8	81.3	75.2	12.4	7.5	8.6	6.9	9.3
Tonga	6.8	6.8	7.3	6.5	6.5	75.4	74.7	75.7	74.2	85.1	24.6	25.3	24.3	25.8	14.9	14.6	13.2	11.9	17.1	21.2
Trinidad and Tobago	3.8	3.7	3.6	3.9	3.9	43.3	40.3	39.9	37.3	37.8	56.7	59.7	60.1	62.7	62.2	6.4	6.3	5.8	5.7	5.9
Tunisia	5.5	5.6	5.7	5.6	5.4	49.4	48.5	49.6	47.4	45.7	50.6	51.5	50.4	52.6	54.3	7.2	6.9	7.6	6.9	7.2
Turkey	6.4	6.6	7.5	7.2	7.6	61.1	62.9	68.2	69.5	71.6	38.9	37.1	31.8	30.5	28.4	10.3	9.8	10.3	12.1	13.9
Turkmenistan	3.5	4.5	4	3.6	3.9	69.9	72.6	69	64.3	67.4	30.1	27.4	31	35.7	32.6	12.7	12.7	12.7	12.7	12.7
Tuvalu <sup>f</sup>	9.3	11.5	7.5	31.6	6.1	88.7	90.8	86.9	96.8	83.3	11.3	9.2	13.1	3.2	16.7	5.9	5	4.2	33.5	6
Uganda	6.3	6.6	7.3	7.6	7.3	30.6	26.8	27.3	31.1	30.4	69.4	73.2	72.7	68.9	69.6	9.4	9	9.6	10.8	10.7
Ukraine	5.5	5	5	5.4	5.7	53.1	58	61	62.4	65.9	46.9	42	39	37.6	34.1	8.6	8.4	8.9	9.4	10.2
United Arab Emirates	3.8	3.2	3.7	3.4	3.3	77.5	76.6	78.3	75	74.7	22.5	23.4	21.7	25	25.3	7.9	7.6	7.7	7.8	8
United Kingdom	7.2	7.3	7.5	7.7	8	80.6	80.9	83	83.4	85.7	19.4	19.1	17	16.6	14.3	14.5	14.8	15.3	15.4	15.8
United Republic of Tanzania	4.3	4.4	4.5	4.5	4.3	43.4	48.1	48.5	51.6	55.4	56.6	51.9	51.5	48.4	44.6	12.4	12.6	12.8	12.8	12.7
United States of America	13.1	13.3	14	14.7	15.2	43.8	44	44.8	44.8	44.6	56.2	56	55.2	55.2	55.4	16.7	17.1	17.7	18.2	18.5
Uruguay	10.6	10.5	10.8	10.3	9.8	34.8	33.4	33.8	31.3	27.2	65.2	66.6	66.2	68.7	72.8	10.6	10.3	9.4	8	6.3
Uzbekistan	6	5.7	5.7	5.6	5.5	48.4	45.6	45.4	44.3	43	51.6	54.4	54.6	55.7	57	7	6.6	7.1	6.8	7.6
Vanuatu	4.2	3.9	3.8	4.1	3.9	75.4	72.8	74.3	75.2	73.8	24.6	27.2	25.7	24.8	26.2	11.5	10.1	11.1	12	12.9
Venezuela, Bolivarian Republic of	6.2	6.2	5.2	5	4.5	51.8	54.4	43.4	46.1	44.3	48.2	45.6	56.6	53.9	55.7	13.1	11.5	7.2	7.8	6.4
Viet Nam	4.9	5.3	5.5	5.1	5.4	32.7	28	29.2	28.1	27.8	67.3	72	70.8	71.9	72.2	6.7	6	6.7	5.1	5.6
Yemen	4.2	4.6	5	4.9	5.5	37.2	42.9	42.8	38.4	40.9	62.8	57.1	57.2	61.6	59.1	5.9	6.4	6.5	5.6	6
Zambia	5.7	5.5	5.8	6	5.4	48.8	50.6	56.5	56.7	51.4	51.2	49.4	43.5	43.3	48.6	9.5	9.1	10.2	10.6	11.8
Zimbabwe	8.1	7.8	9.1	8.4	7.9	48.9	48.3	38.6	37.7	35.9	51.1	51.7	61.4	62.3	64.1	10	7.4	9.3	9.8	9.2

Afghanistan, Democratic People's Republic of Korea, Equatorial Guinea, Gabon, Guinea Bissau, Iraq, Liberia, Libya, Sao Tome and Principe, Somalia, Sudan and Turkmenistan: estimates for these countries should be read with caution as these are derived from limited sources (mostly macro data that are publicly accessible).

Burkina Faso, China, Djibouti, Georgia, Guinea, India, Malaysia, Mauritius, Mongolia, Niue, Philippines, Russia, Rwanda, Samoa, Singapore, Sri Lanka, Tonga, Yemen: new NHA reports, surveys, and/or country consultations provided new bases for the estimates.

For OECD countries, data are updated from the *OECD health data*. For Japan the 2003 ratios have been estimated by WHO. USA figures do not as yet reflect introduction of estimates of investments in medical equipment and software and expanded estimates of investments in medical sector structures.

<sup>a</sup>See explanatory notes for sources and methods.

<sup>b</sup>In some cases the sum of the ratios of general government and private expenditures on health may not add to 100 because of rounding.

<sup>c</sup>The estimates do not include expenditures of Hong Kong and Macao Special Administrative Regions.

<sup>d</sup>The series was adjusted for the removal of social security expenditure on health, which could not be confirmed due to incomplete information.

<sup>e</sup>Expenditures on health by the social security funds have increased due to a reclassification. (Note, however, that this estimate is likely to increase further due to changes in the social security scheme.)

<sup>f</sup>The estimates do not include expenditures of Northern Iraq.

<sup>g</sup>The public expenditure on health includes contributions from the United Nations Relief and Works Agency for Palestine Refugees in the Near East (UNRWA) to Palestinian refugees residing in Jordanian territories.

Member State	Social security expenditure on health as % of																			
	External resources for health as % of total expenditure on health					general government expenditure on health					Out-of-pocket expenditure as % of private expenditure on health					Private prepaid plans as % of private expenditure on health				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Switzerland	0	0	0	0	0	72.1	72.6	70.4	69.1	69.3	74.5	74.1	73.9	74.8	76	23.3	23.6	23.8	22.9	21.6
Syrian Arab Republic	0.1	0.1	0.2	0.3	0.2	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Tajikistan	6.7	18.3	16.9	14.9	14.9	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0
Thailand	0	0	0.1	0.2	0.3	29.5	30.2	34.4	30.8	32	76.4	76.8	75.7	76.3	74.8	12.6	12.8	13.6	13.4	14.6
The former Yugoslav Republic of Macedonia	3.7	2.7	2.5	1.8	1.7	97.4	97.4	97.1	97.4	97.8	100	100	100	100	100	n/a	n/a	n/a	n/a	n/a
Timor-Leste <sup>m</sup>	47.9	56.4	55	45.8	48.7	n/a	n/a	n/a	n/a	n/a	30.9	30.9	25.6	25.6	25.6	0	0	0	0	0
Togo <sup>n</sup>	4.9	7.1	4.8	11.4	2.3	8.1	13.4	11.6	14.4	14.6	87	86.6	87.8	87.7	88	5.1	5.4	4.3	4.3	4.1
Tonga	21.7	23.4	23.9	33.5	30.9	0	0	0	0	0	79	76.5	77.5	80	72.6	5.8	9.3	10.6	6	6
Trinidad and Tobago	8.5	7.3	7.3	6.6	1.4	0	0	0	0	0	85.8	86.3	86.4	85.8	88.6	7.5	7.2	7.2	7.5	6
Tunisia	0.7	0.7	0.7	0.2	0.4	23.3	26.7	22.3	24.5	23.5	83.8	81.7	82.6	83	83	14.4	16.6	15.7	15.3	15.3
Turkey	0	0	0	0	0	53	55.5	50.5	55	54.6	74.8	74.6	73.4	70.7	69.9	10.9	11.8	12.3	12.3	12.5
Turkmenistan	2	1	0.8	0.5	0.4	6.1	6.1	6.1	6.1	6.1	100	100	100	100	100	0	0	0	0	0
Tuvalu <sup>n</sup>	3.5	39.9	95.7	68	70.5	0	0	0	0	0	13	13	13	13	13	0	0	0	0	0
Uganda	27.6	28.3	27.4	29.1	28.5	0	0	0	0	0	61.5	56.7	51.8	51	52.8	0.2	0.1	0.2	0.2	0.2
Ukraine	0.2	0.6	0.6	3.1	0.1	0	0	0	0	0	72.5	73	75.4	76.4	78.6	1	1.4	1.7	1.6	1.6
United Arab Emirates	0	0	0	0	0	0	0	0	0	0	70.5	68.7	69.4	70.6	70.4	19	21	20.2	18.8	19.1
United Kingdom	0	0	0	0	0	0	0	0	0	0	55.2	55	62.3	64.8	76.7	16.8	16.8	19	19.7	23.3
United Republic of Tanzania	29.3	32.1	34.1	29.6	21.9	0	0	5	3.2	2.6	83.5	83.6	83.8	83.5	81.1	4.5	4.5	4.5	4.7	5.4
United States of America	0	0	0	0	0	33.1	33.7	32.5	30.5	28.4	27	26.5	25.8	24.9	24.3	61.4	62.7	64.1	65.3	65.9
Uruguay	0.1	0.5	0.8	0.6	0.4	52.6	50	47.7	48.3	48.5	26.6	25.9	24.9	25	25	73.4	74.1	75.1	75	75
Uzbekistan	0.9	1.7	3.5	4.1	3	0	0	0	0	0	96.8	96.9	97.1	95.3	95.5	0	0	0	0	0
Vanuatu	23	25.8	18.6	18.3	25.4	0	0	0	0	0	47.8	49.9	46.3	45.8	45.8	0	0	0	0	0
Venezuela, Bolivarian Republic of	1	0.4	0.1	0.1	0.1	25	28.5	34.2	31.4	25.2	88.5	87	87.4	87.3	95.5	4	3.7	3.7	4.1	4.5
Viet Nam	3.4	2.7	2.8	3.5	2.6	9.5	10.5	13.7	15.8	16.6	86.5	87.1	83.6	80.8	74.2	3.7	4.1	2.2	2.3	3.1
Yemen	8.2	8.9	9.7	7.3	8.8	n/a	n/a	n/a	n/a	n/a	96.3	96.1	96.6	96.7	95.5	n/a	n/a	n/a	n/a	n/a
Zambia	8.9	18.2	13.7	18.3	44.7	0	0	0	0	0	82	81.1	74.9	72.7	68.2	n/a	n/a	n/a	n/a	n/a
Zimbabwe	15.7	11.7	5.6	1.4	6.8	0	0	0	0	0	44.9	46.7	50.7	51.7	56.7	39.6	31.1	29	25.9	21

<sup>l</sup>Expenditures, previously recorded as social security spending, were re-evaluated as extrabudgetary agency spending.

<sup>n</sup>THE:GDP ratio in 2001 is high because newly accessed information shows that WHO, NZAID and AusAID provided US\$ 2 million for renovation of a hospital in 2001–2002.

<sup>m</sup>Series adjusted for the removal of a double count in previous years.

<sup>k</sup>The estimates for 1999 to 2003 do not include the expenditures of the provinces of Kosovo and Metohia, which are under the administration of the United Nations.

<sup>l</sup>Social security includes the expenditure by the Instituto Nacional de la Salud in the Comunidades autónomas up to 2002. The expenditure is now channelled through the Comunidades autónomas except for the Ceuta and Melilla Ciudades Autónomas, the civil servants, and those related to work injuries and sickness.

<sup>m</sup>The country came into existence in August 1999.

<sup>n</sup>Togo data on health research and development and training were adjusted to harmonize with the standard methodology used for World Health Reports.

<sup>o</sup>In 2002, an additional 9.3 million Tuvaluan \$, mostly coming from external sources, were spent for construction of a new hospital.

n/a Used when the information accessed indicates that a cell should have an entry but no estimates could be made.

0 Used when no evidence of the schemes to which the cell relates exist. Some estimates yielding a ratio below 0.04% are shown as '0'.

**Annex Table 3 Selected national health accounts indicators: measured levels of per capita expenditure on health, 1999–2003**Figures computed by WHO to assure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative methods.

Member State	Per capita total expenditure on health at average exchange rate (US\$)					Per capita total expenditure on health at international dollar rate					Per capita government expenditure on health at average exchange rate (US\$)					Per capita government expenditure on health at international dollar rate				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Afghanistan	4	3	3	11	11	19	9	9	24	26	<1	<1	<1	4	4	<1	<1	<1	10	10
Albania	77	78	88	99	118	289	299	336	360	366	35	33	37	41	49	131	127	142	150	153
Algeria	61	63	68	75	89	137	132	149	174	186	43	46	53	60	71	99	97	115	137	150
Andorra <sup>b</sup>	1359	1287	1296	1549	2039	1749	1895	1936	2219	2453	913	841	891	1066	1399	1176	1239	1331	1527	1683
Angola	15	16	21	18	26	43	34	48	41	49	7	13	18	15	22	20	28	41	33	41
Antigua and Barbuda	389	397	425	495	426	423	437	472	555	477	281	286	301	359	300	305	314	334	402	336
Argentina	706	689	687	233	305	1135	1121	1157	934	1067	399	382	369	121	148	641	621	621	487	518
Armenia	36	39	45	46	55	181	205	241	253	302	8	6	9	9	11	41	31	49	51	61
Australia	1849	1832	1744	1961	2519	2204	2406	2531	2693	2874	1286	1262	1183	1336	1699	1533	1657	1716	1835	1939
Austria	2029	1812	1776	1923	2358	2051	2170	2162	2240	2306	1374	1235	1189	1305	1595	1388	1479	1448	1520	1560
Azerbaijan	27	26	27	28	32	115	112	121	128	140	6	6	6	6	8	24	24	27	27	33
Bahamas	1051	1075	1088	1128	1121	1164	1166	1187	1205	1220	491	507	517	548	533	545	550	564	586	579
Bahrain	473	463	484	514	555	750	656	739	787	813	328	310	327	349	384	519	440	499	534	562
Bangladesh	12	12	12	13	14	50	54	57	61	68	3	3	3	4	4	14	14	15	18	21
Barbados	574	604	638	674	691	870	918	976	1021	1050	375	398	431	461	479	570	604	659	699	729
Belarus	73	64	82	94	99	459	501	582	601	570	59	51	62	69	71	372	401	439	444	406
Belgium	2108	1926	1945	2172	2796	2108	2282	2420	2616	2828	1462	1335	1376	1528	1880	1462	1582	1713	1840	1902
Belize	148	155	165	174	174	258	262	295	290	309	72	74	75	82	86	125	126	133	138	152
Benin	16	15	16	16	20	34	34	38	37	36	7	7	7	7	9	15	15	18	16	16
Bhutan	11	11	14	10	10	67	66	88	64	59	9	9	12	9	9	60	58	79	54	49
Bolivia	63	61	61	60	61	149	150	161	170	176	37	37	36	37	39	87	90	95	107	113
Bosnia and Herzegovina	134	112	110	126	168	302	286	285	295	327	76	58	54	62	85	171	149	139	145	166
Botswana	138	152	132	144	232	259	294	284	312	375	75	87	67	78	135	141	168	143	169	218
Brazil	243	263	224	199	212	543	558	584	592	597	104	108	96	89	96	232	228	250	265	270
Brunei Darussalam	480	443	430	428	466	641	609	643	657	681	351	370	331	336	372	469	508	495	516	545
Bulgaria	97	97	123	155	191	342	381	476	561	573	63	58	69	88	104	223	226	267	317	312
Burkina Faso	15	12	12	15	19	55	54	55	62	68	6	5	5	6	9	24	23	22	27	32
Burundi	4	3	3	3	3	14	14	15	15	15	1	1	1	1	1	3	3	3	3	4
Cambodia	29	31	31	33	33	147	162	168	179	188	3	4	5	6	6	15	23	25	31	36
Cameroon	31	29	29	32	37	62	58	62	66	64	8	8	8	9	11	15	16	17	18	19
Canada	1916	2071	2129	2225	2669	2400	2509	2705	2841	2989	1347	1457	1493	1551	1866	1687	1765	1897	1980	2090
Cape Verde	61	55	61	66	78	148	163	186	193	185	45	41	46	50	57	110	119	141	145	135
Central African Republic	10	10	10	11	12	44	50	49	51	47	4	4	4	4	5	17	20	19	21	18
Chad	11	11	12	12	16	37	40	43	44	51	4	4	5	4	7	12	17	18	16	20
Chile	342	299	272	265	282	697	631	665	686	707	133	139	131	127	137	272	293	320	329	345
China	39	43	47	54	61	169	192	212	247	278	16	17	17	19	22	69	74	75	88	101
Colombia	195	152	147	141	138	572	485	498	497	522	148	123	118	116	116	436	392	399	408	439
Comoros	11	8	7	10	11	30	25	21	27	25	6	4	3	6	6	18	14	10	16	14
Congo	17	17	16	16	19	25	20	23	22	23	11	11	10	11	12	16	13	15	15	15
Cook Islands	154	171	176	203	294	275	354	373	378	425	134	150	154	177	258	240	312	327	329	373
Costa Rica	249	258	280	295	305	457	487	532	572	616	194	204	219	235	240	356	385	418	455	486
Côte d'Ivoire	39	30	24	25	28	87	79	65	62	57	7	6	4	8	8	15	16	12	20	16
Croatia	386	380	370	392	494	742	829	801	792	838	333	330	317	325	413	640	719	688	655	701
Cuba	164	176	187	199	211	196	212	226	239	251	140	151	161	172	183	167	182	194	206	218
Cyprus	700	675	697	794	1038	905	1000	934	1101	1143	299	280	295	356	510	386	415	395	495	561
Czech Republic	379	358	408	517	667	920	962	1065	1186	1302	347	327	373	471	600	842	879	973	1080	1172
Democratic People's Republic of Korea <sup>c</sup>	22	28	29	<1	<1	54	67	70	72	74	20	25	26	<1	<1	48	62	64	66	68
Democratic Republic of Congo	8	10	4	3	4	12	13	10	11	14	1	1	<1	<1	1	1	1	1	1	3
Denmark	2767	2478	2565	2835	3534	2297	2381	2556	2654	2762	2275	2043	2120	2352	2931	1888	1963	2113	2201	2292
Djibouti	40	41	42	43	47	61	63	64	67	72	26	27	27	28	31	40	42	41	44	48



Member State	Per capita total expenditure on health at average exchange rate (US\$)					Per capita total expenditure on health at international dollar rate					Per capita government expenditure on health at average exchange rate (US\$)					Per capita government expenditure on health at international dollar rate				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Dominica	214	216	203	206	212	313	323	302	313	320	159	159	145	147	151	232	237	216	223	228
Dominican Republic	129	162	179	186	132	248	301	323	356	335	39	52	57	60	44	75	97	103	115	111
Ecuador <sup>d</sup>	65	54	81	95	109	173	157	193	206	220	26	17	27	37	42	68	49	65	79	85
Egypt	68	71	63	71	55	173	190	208	231	235	23	26	25	30	24	59	69	83	99	100
El Salvador	162	168	167	175	183	343	352	347	366	378	70	76	71	78	84	149	159	147	164	174
Equatorial Guinea	46	54	67	85	96	125	106	152	193	179	28	37	47	61	65	76	72	107	139	121
Eritrea	8	8	8	7	8	47	48	53	51	50	6	5	5	4	4	33	32	31	26	23
Estonia	243	220	223	263	366	524	531	540	589	682	197	170	176	203	282	424	412	424	454	526
Ethiopia	5	5	5	5	5	17	19	21	21	20	3	3	3	3	3	9	10	11	12	12
Fiji	85	80	78	93	104	194	203	205	234	220	56	52	52	62	64	126	133	136	155	135
Finland	1713	1549	1622	1831	2307	1641	1716	1857	2012	2108	1290	1164	1231	1397	1766	1236	1289	1409	1535	1613
France	2285	2070	2107	2339	2981	2306	2469	2616	2762	2902	1738	1569	1600	1780	2273	1754	1872	1986	2101	2213
Gabon	165	164	148	158	196	250	229	235	244	255	113	120	108	111	130	171	167	171	171	170
Gambia	24	25	23	20	21	76	88	92	84	96	8	10	9	8	8	24	36	37	34	38
Georgia	17	28	31	33	35	90	143	158	173	174	6	8	9	10	8	32	41	47	50	42
Germany	2730	2404	2425	2637	3204	2566	2674	2772	2912	3001	2143	1889	1901	2072	2506	2014	2101	2173	2288	2348
Ghana	22	13	12	14	16	100	102	94	95	98	8	5	4	4	5	35	36	27	29	31
Greece	1114	1032	1091	1182	1556	1469	1628	1767	1847	1997	595	543	591	610	798	785	856	958	953	1025
Grenada	206	238	296	282	289	333	470	485	464	473	151	176	231	206	212	244	347	378	338	348
Guatemala	79	96	100	104	112	188	228	229	223	235	38	38	38	38	44	91	91	87	83	93
Guinea	20	18	17	19	22	74	76	81	90	95	3	2	3	3	4	10	10	15	13	16
Guinea-Bissau	8	6	6	9	9	45	38	38	49	45	2	2	1	4	4	13	9	8	20	21
Guyana	40	52	52	55	53	236	299	306	291	283	33	44	43	45	44	195	253	253	242	233
Haiti	34	31	31	29	26	75	76	79	84	84	12	11	12	12	10	27	27	30	33	32
Honduras	49	60	63	67	72	131	154	161	172	184	25	34	35	37	41	66	86	88	95	104
Hungary	345	326	375	496	684	819	857	975	1115	1269	250	231	258	348	495	593	606	673	783	919
Iceland	2858	2780	2500	2960	3821	2549	2627	2742	2943	3110	2389	2296	2068	2464	3191	2131	2169	2268	2450	2598
India	23	23	23	23	27	69	71	74	75	82	6	6	6	6	7	17	17	18	18	20
Indonesia	17	18	21	26	30	76	80	102	109	113	5	5	7	9	11	23	23	36	38	40
Iran, Islamic Republic of <sup>a</sup>	53	66	81	116	131	373	364	415	410	498	22	28	36	44	62	153	157	184	155	235
Iraq	14	17	12	11	23	50	49	54	48	64	6	5	3	2	12	20	14	15	8	33
Ireland	1590	1568	1835	2191	2860	1624	1800	2097	2322	2496	1171	1158	1382	1698	2256	1196	1329	1580	1800	1968
Israel	1492	1637	1682	1520	1514	1717	1869	2028	1968	1911	1037	1111	1139	1021	1032	1193	1268	1373	1322	1303
Italy	1602	1519	1574	1750	2139	1859	2044	2150	2262	2266	1153	1116	1193	1320	1607	1338	1502	1630	1706	1703
Jamaica	161	191	169	157	164	196	232	210	192	216	81	100	77	80	83	99	122	96	98	109
Japan	2601	2827	2558	2450	2662	1829	1971	2092	2139	2244	2109	2298	2089	1997	2158	1483	1602	1708	1743	1818
Jordan	149	156	165	169	177	361	389	415	425	440	71	71	75	78	80	173	176	189	196	199
Kazakhstan	48	50	50	59	73	231	251	243	284	315	25	25	28	31	42	120	128	137	151	180
Kenya	16	18	18	19	20	60	61	62	66	65	7	8	8	8	8	25	28	27	29	25
Kiribati	46	58	59	65	96	137	197	215	211	253	46	57	59	64	89	135	196	213	209	233
Kuwait	521	521	525	565	580	583	494	558	588	567	402	408	408	441	449	450	387	434	459	440
Kyrgyzstan	13	12	14	16	20	123	116	126	144	161	6	6	6	7	8	59	54	54	59	66
Lao People's Democratic Republic	7	8	9	10	11	35	38	42	49	56	3	3	3	4	4	14	15	17	22	22
Latvia	193	195	216	248	301	464	477	549	611	678	114	107	110	129	155	274	263	281	318	348
Lebanon	578	574	582	566	573	656	700	720	671	730	159	164	176	171	168	181	200	217	202	214
Lesotho	28	28	24	25	31	91	100	103	125	106	23	23	20	21	25	74	83	84	104	84
Liberia	10	8	7	7	6	26	23	21	20	17	6	5	3	3	4	18	13	10	10	10
Libyan Arab Jamahiriya	211	200	286	182	171	234	220	391	360	327	107	116	209	119	108	119	128	286	235	206
Lithuania	193	212	220	263	351	501	557	591	660	754	145	148	160	197	267	375	388	429	495	573
Luxembourg	2889	2702	2835	3423	4112	2767	2963	3169	3712	3680	2595	2439	2574	3120	3734	2485	2674	2877	3383	3341

**Annex Table 3 Selected national health accounts indicators: measured levels of per capita expenditure on health, 1999–2003**Figures computed by WHO to assure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative methods.

Member State	Per capita total expenditure on health at average exchange rate (US\$)					Per capita total expenditure on health at international dollar rate					Per capita government expenditure on health at average exchange rate (US\$)					Per capita government expenditure on health at international dollar rate				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Madagascar <sup>f</sup>	5	5	5	7	8	20	20	19	24	24	3	3	3	5	5	11	10	12	15	15
Malawi	16	13	15	15	13	47	41	48	44	46	6	4	7	5	5	17	12	22	15	16
Malaysia	112	130	138	146	163	261	294	329	342	374	58	68	77	81	95	134	154	184	190	218
Maldives	116	127	125	121	136	267	293	306	311	364	99	110	110	106	121	228	255	268	273	324
Mali	11	11	11	12	16	27	32	32	35	39	5	5	5	6	9	11	16	16	18	22
Malta	700	772	766	918	1104	1163	1209	1380	1421	1436	529	591	596	731	884	879	925	1073	1133	1150
Marshall Islands	301	275	232	229	255	554	507	437	431	477	292	266	223	221	247	538	492	421	415	461
Mauritania	10	9	10	14	17	32	32	38	53	59	7	6	7	10	13	21	20	26	39	46
Mauritius	113	127	132	143	172	281	331	373	398	430	70	74	80	87	105	174	194	226	242	261
Mexico	273	323	369	381	372	463	499	545	559	582	130	150	165	171	172	221	232	245	251	270
Micronesia, Federated States of	138	140	145	143	147	242	260	266	267	270	121	121	126	126	130	213	225	231	236	238
Monaco <sup>g</sup>	3471	3097	3103	3344	4587	3508	3709	3862	3938	4487	2407	2190	2230	2445	3480	2433	2623	2775	2880	3403
Mongolia	20	26	30	29	33	99	130	140	132	140	15	17	20	20	21	72	86	93	92	90
Morocco	56	54	57	60	72	167	175	196	205	218	17	17	18	19	24	50	54	64	67	72
Mozambique	11	12	10	11	12	34	40	39	45	45	7	8	6	7	7	21	27	26	30	28
Myanmar <sup>h</sup>	134	183	228	315	394	21	28	30	44	51	15	25	29	58	77	2	4	4	8	10
Namibia	127	126	107	95	145	328	340	323	318	359	93	87	75	65	101	240	235	224	218	252
Nauru	700	645	584	654	798	951	820	742	776	763	624	573	518	580	706	848	729	658	689	675
Nepal	11	11	12	12	12	55	56	64	67	64	3	3	4	4	3	14	14	20	21	18
Netherlands	2102	1916	2067	2411	3088	2124	2270	2517	2777	2987	1318	1209	1298	1506	1926	1332	1432	1581	1735	1863
New Zealand	1155	1054	1056	1255	1618	1527	1600	1698	1844	1893	895	823	807	978	1267	1183	1248	1298	1437	1483
Nicaragua	45	57	62	61	60	142	180	203	208	208	24	30	30	30	29	77	94	98	103	101
Niger	8	6	6	7	9	27	25	26	27	30	4	3	3	4	5	14	13	14	15	16
Nigeria	17	18	19	19	22	48	39	50	49	51	5	6	6	5	6	14	13	16	12	13
Niue	440	367	1710	506	655	103	102	529	154	153	427	355	1700	499	644	100	98	526	151	150
Norway	3325	3156	3333	4143	4976	2816	3083	3286	3617	3809	2745	2604	2785	3458	4167	2325	2543	2745	3019	3189
Oman	232	254	248	265	278	378	352	376	411	419	193	206	204	219	231	315	285	309	340	348
Pakistan	16	14	12	13	13	66	51	49	50	48	5	5	4	5	4	22	17	16	18	13
Palau <sup>h</sup>	567	593	598	586	607	696	740	770	761	798	502	528	533	511	526	616	659	685	664	691
Panama	271	306	303	322	315	450	524	527	559	555	180	208	203	222	209	298	357	354	386	368
Papua New Guinea	25	26	24	22	23	127	129	138	133	132	23	23	21	20	20	113	114	124	119	118
Paraguay	105	119	102	80	75	298	345	351	336	301	47	48	36	27	24	134	139	124	112	95
Peru	98	96	93	93	98	227	227	223	225	233	52	51	48	45	47	120	120	113	109	112
Philippines	36	34	30	29	31	166	171	162	157	174	16	16	13	12	14	73	82	72	63	76
Poland	249	246	292	328	354	564	587	646	732	745	177	172	210	234	248	401	411	464	521	521
Portugal	985	951	995	1092	1348	1424	1595	1688	1754	1791	665	661	702	770	940	962	1108	1192	1237	1249
Qatar	773	816	808	871	862	834	690	745	868	685	569	612	599	640	637	614	518	552	639	506
Republic of Korea	463	513	550	607	705	729	771	932	975	1074	206	237	286	305	348	324	356	484	490	531
Republic of Moldova	19	20	22	28	34	123	122	132	160	177	9	10	11	16	18	56	63	67	92	96
Romania	87	91	101	124	159	368	386	429	491	540	54	59	65	79	100	231	253	277	314	340
Russian Federation	74	102	119	141	167	385	449	476	534	551	43	57	70	84	98	223	252	280	317	325
Rwanda	11	10	8	9	7	33	32	31	35	32	5	3	3	4	3	16	11	12	17	14
Saint Kitts and Nevis	415	453	456	466	467	606	649	652	669	670	249	289	293	295	298	364	413	419	424	427
Saint Lucia	201	212	214	216	221	266	280	285	285	294	138	148	148	148	150	183	195	196	195	200
Saint Vincent and the Grenadines	164	164	169	191	194	311	318	329	371	384	100	105	109	127	131	189	203	212	248	259
Samoa	84	83	78	84	94	198	209	208	215	209	63	62	58	66	74	149	157	155	169	165
San Marino <sup>h</sup>	2322	2103	2304	2473	2957	2695	2830	3147	3197	3133	1807	1627	1829	1958	2328	2097	2190	2498	2531	2467
Sao Tome and Principe	34	29	35	31	34	94	84	107	95	93	30	25	30	26	29	82	72	92	81	78
Saudi Arabia	329	372	387	373	366	560	578	637	607	578	251	285	304	291	277	426	444	501	474	439
Senegal	21	18	20	23	29	44	45	51	55	58	8	7	8	9	12	16	16	19	22	24

Member State	Per capita total expenditure on health at average exchange rate (US\$)					Per capita total expenditure on health at international dollar rate					Per capita government expenditure on health at average exchange rate (US\$)					Per capita government expenditure on health at international dollar rate				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Serbia-Montenegro	76	53	80	118	181	290	253	257	294	373	45	34	54	86	136	172	160	173	214	282
Seychelles	431	405	403	456	522	548	555	535	554	599	322	304	301	342	382	410	417	400	415	439
Sierra Leone	5	5	6	7	7	19	24	25	32	34	2	3	3	4	4	9	13	13	21	20
Singapore	847	820	888	894	964	961	925	1079	1101	1156	325	290	321	290	348	369	328	390	357	417
Slovakia	218	208	216	256	360	577	597	641	716	777	196	186	193	228	318	517	533	573	638	687
Slovenia	831	823	889	982	1218	1211	1421	1571	1616	1669	628	640	683	751	930	915	1105	1208	1237	1274
Solomon Islands	44	41	40	31	28	110	103	98	89	87	41	38	37	28	26	103	96	92	83	81
Somalia	9	8	8	n/a	n/a	18	18	18	n/a	n/a	4	4	4	n/a	n/a	8	8	8	n/a	n/a
South Africa	257	236	216	198	295	595	579	626	649	669	105	100	89	80	114	244	245	258	263	258
Spain	1133	1038	1083	1211	1541	1459	1529	1618	1735	1853	816	743	771	864	1098	1051	1095	1152	1237	1321
Sri Lanka	28	29	28	30	31	104	113	114	120	121	14	14	13	13	14	50	55	53	54	55
Sudan	13	13	15	17	21	42	40	44	47	54	3	5	6	7	9	11	14	16	18	23
Suriname	157	163	138	175	182	246	261	287	304	309	80	80	66	81	83	126	127	137	141	142
Swaziland	87	83	73	68	107	305	302	308	315	324	51	48	42	40	61	180	177	178	187	185
Sweden	2396	2280	2173	2495	3149	2119	2273	2404	2596	2704	2054	1936	1845	2123	2684	1816	1929	2040	2210	2305
Switzerland	3881	3572	3774	4220	5035	3016	3177	3357	3658	3776	2148	1986	2156	2444	2945	1669	1767	1917	2118	2209
Syrian Arab Republic <sup>l</sup>	59	59	57	58	59	113	106	107	108	116	24	26	26	26	28	46	46	48	50	56
Tajikistan	7	5	6	6	11	41	39	44	48	71	2	1	2	2	2	11	11	13	13	15
Thailand	71	68	62	68	76	217	223	226	242	260	39	38	35	41	47	119	125	127	146	160
The former Yugoslav Republic of Macedonia	115	108	103	127	161	312	320	313	356	389	98	91	86	107	136	266	270	260	302	329
Timor-Leste	37	37	41	38	39	101	101	111	108	125	25	28	30	27	30	69	76	80	78	95
Togo	16	11	13	13	16	59	49	58	54	62	7	3	3	2	4	24	14	15	10	15
Tonga	101	97	94	87	102	256	277	309	286	300	76	73	71	65	87	193	207	234	212	255
Trinidad and Tobago	204	235	245	265	316	354	389	393	459	532	88	95	98	99	120	153	157	157	171	201
Tunisia	122	114	118	120	137	343	367	396	396	409	60	55	59	57	63	169	178	196	187	187
Turkey	179	194	158	190	257	395	453	463	470	528	109	122	108	132	184	242	285	316	327	378
Turkmenistan	31	49	59	67	89	171	233	217	195	221	21	36	41	43	60	120	169	150	125	149
Tuvalu	137	165	107	600	142	113	149	99	377	74	121	149	93	581	119	100	135	86	365	62
Uganda	16	16	17	18	18	55	60	70	75	75	5	4	5	5	5	17	16	19	23	23
Ukraine	35	32	39	47	60	197	194	222	255	305	19	18	24	29	40	105	113	135	159	201
United Arab Emirates	681	704	737	650	661	727	634	713	631	623	528	539	577	487	493	564	485	558	473	465
United Kingdom	1755	1756	1837	2031	2428	1700	1840	2044	2231	2389	1415	1420	1524	1693	2081	1370	1488	1696	1860	2047
United Republic of Tanzania	11	12	12	12	12	23	25	27	28	29	5	6	6	6	7	10	12	13	15	16
United States of America	4335	4588	4934	5324	5711	4335	4588	4934	5324	5711	1897	2017	2212	2387	2548	1897	2017	2212	2387	2548
Uruguay	668	631	597	373	323	972	962	976	832	824	233	211	202	117	88	338	322	330	260	224
Uzbekistan	42	32	26	21	21	143	142	149	155	159	20	14	12	10	9	69	65	68	69	68
Vanuatu	57	49	46	48	54	121	114	111	112	110	43	36	34	36	40	92	83	83	84	81
Venezuela, Bolivarian Republic of	253	299	258	183	146	354	369	320	278	231	131	162	112	84	65	184	201	139	128	102
Viet Nam	18	21	23	22	26	111	129	145	143	164	6	6	7	6	7	36	36	42	40	46
Yemen	18	24	26	27	32	61	68	78	78	89	7	10	11	10	13	22	29	33	30	37
Zambia	17	17	19	20	21	45	46	51	53	51	8	9	11	11	11	22	23	29	30	26
Zimbabwe	36	44	65	132	40	185	168	184	161	132	17	21	25	50	14	91	81	71	61	47

<sup>a</sup>See explanatory notes for sources and methods.

<sup>b</sup>Andorra, Monaco, and San Marino: international dollar exchange rates for Spain, France and Italy, respectively, were used.

<sup>c</sup>Exchange rate changed from 2.15 Won in 2001 to 152 Won in 2002.

<sup>d</sup>Ecuador dollarized its economy in 2000. The time series has been recalculated from 1998 in dollar terms.

<sup>e</sup>Exchange rate changed in 2002 from multiple to a managed floating exchange rate. Inter-bank market rate used prior to 2002.

<sup>f</sup>The currency now called Ariary is worth one fifth of the Francs previously used.

<sup>g</sup>The official exchange was used although marked difference exists between this and the rates on the open market.

<sup>h</sup>Currency was changed from Australian dollar to US dollar in 1996. The series was revised for this report.

<sup>i</sup>The exchange rate used for Syrian Arab Republic is the rate for non-commercial transactions from the Central Bank of Syria.

n/a Used when the information accessed indicates that a cell should have an entry but no estimates could be made.

**Annex Table 4 Global distribution of health workers in WHO Member States**Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Country	Physicians			Nurses			Midwives			Dentists			Pharmacists		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
Afghanistan	4104	0.19	2001	4752	0.22	2001				630	0.03	2001	525	0.02	2001
Albania	4100	1.31	2002	11473	3.62	2003	1891	0.59	1994	1390	0.45	1998	1300	0.40	1994
Algeria	35368	1.13	2002	68950	2.21	2002	799	0.03	2002	9553	0.31	2002	6333	0.20	2002
Andorra	244	3.70	2003	205	3.11	2003	10	0.15	2003	44	0.67	2003	68	1.03	2003
Angola	881	0.08	1997	13135	1.15	1997	492	0.04	1997	2	0.00	1997	24	0.00	1997
Antigua and Barbuda	12	0.17	1999	233	3.28	1999				13	0.19	1997			
Argentina	108800	3.01	1998	29000	0.80	1998				28900	0.80	1998	15300	0.42	1998
Armenia	10983	3.59	2003	13320	4.35	2003	1433	0.47	2003	802	0.26	2003	126	0.04	2003
Australia	47875	2.47	2001	187837	9.71	2001				21296	1.10	2001	13956	0.72	2001
Austria	27413	3.38	2003	76161	9.38	2003	1671	0.21	2003	4037	0.50	2003	4869	0.60	2003
Azerbaijan	29687	3.55	2003	59531	7.11	2003	9803	1.17	2003	2272	0.27	2003	1842	0.22	2003
Bahamas	312	1.05	1998	1323	4.47	1998				21	0.07	1998			
Bahrain	803	1.09	2004	3153	4.27	2004	396	0.54	2004	342	0.46	2004	460	0.62	2004
Bangladesh	38485	0.26	2004	20334	0.14	2004	26460	0.18	2004	2537	0.02	2004	9411	0.06	2004
Barbados	322	1.21	1999	988	3.70	1999				63	0.24	1999			
Belarus	45027	4.55	2003	115116	11.63	2003	5182	0.52	2003	4315	0.44	2003	2901	0.29	2003
Belgium	46268	4.49	2002	60142	5.83	2003	6603	0.64	2001	8322	0.81	2002	11775	1.14	2002
Belize	251	1.05	2000	303	1.26	2000				32	0.13	2000			
Benin	311	0.04	2004	5789	0.84	2004				12	0.00	2004	11	0.00	2004
Bhutan	118	0.05	2004	330	0.14	2004	185	0.08	2004	58	0.02	2004	79	0.03	2004
Bolivia	10329	1.22	2001	27063	3.19	2001	96	0.01	2001	5997	0.71	2001	4670	0.55	2001
Bosnia and Herzegovina	5576	1.34	2003	17170	4.13	2003	1229	0.30	2003	690	0.17	2003	363	0.09	2003
Botswana	715	0.40	2004	4753	2.65	2004				38	0.02	2004	333	0.19	2004
Brazil	198153	1.15	2000	659111	3.84	2000				190448	1.11	2000	51317	0.30	2000
Brunei Darussalam	336	1.01	2000	892	2.67	2000	404	1.21	2000	48	0.14	2000	90	0.27	2000
Bulgaria	28128	3.56	2003	29650	3.75	2003	3456	0.44	2003	6475	0.82	2003	1020	0.13	2001
Burkina Faso	789	0.06	2004	5518	0.41	2004	1732	0.13	2004	58	0.00	2004	343	0.03	2004
Burundi	200	0.03	2004	1348	0.19	2004				14	0.00	2004	76	0.01	2004
Cambodia	2047	0.16	2000	8085	0.61	2000	3040	0.23	2000	209	0.02	2000	564	0.04	2000
Cameroon	3124	0.19	2004	26042	1.60	2004				147	0.01	2004	700	0.04	2004
Canada	66583	2.14	2003	309576	9.95	2003				18265	0.59	2003	20765	0.67	2003
Cape Verde	231	0.49	2004	410	0.87	2004				11	0.02	2004	43	0.09	2004
Central African Republic	331	0.08	2004	1188	0.30	2004	519	0.13	2004	13	0.00	2004	17	0.00	2004
Chad	345	0.04	2004	2387	0.27	2004	112	0.01	2004	15	0.00	2004	37	0.00	2004
Chile	17250	1.09	2003	10000	0.63	2003				6750	0.43	2003			
China	1364000	1.06	2001	1358000	1.05	2001	42000	0.03	2001	136520	0.11	2001	359000	0.28	2001
Colombia	58761	1.35	2002	23940	0.55	2002				33951	0.78	2002			
Comoros	115	0.15	2004	588	0.74	2004				29	0.04	2004	41	0.05	2004
Congo	756	0.20	2004	3672	0.96	2004				12	0.00	2004	99	0.03	2004
Cook Islands	14	0.78	2001	49	2.72	2001	3	0.17	2001	10	0.56	2001	2	0.11	2001
Costa Rica	5204	1.32	2000	3631	0.92	2000	22	0.01	2000	1905	0.48	2000	2101	0.53	2000
Côte d'Ivoire	2081	0.12	2004	10180	0.60	2004				339	0.02	2004	1015	0.06	2004
Croatia	10820	2.44	2003	22372	5.05	2003	1476	0.33	2003	3085	0.70	2003	2348	0.53	2003
Cuba	66567	5.91	2002	83880	7.44	2002				9841	0.87	2002			
Cyprus	1864	2.34	2002	2994	3.76	2002				650	0.82	2002	144	0.18	2002



**Annex Table 4 Global distribution of health workers in WHO Member States**Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Country	Physicians			Nurses			Midwives			Dentists			Pharmacists		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
Czech Republic	35960	3.51	2003	99351	9.71	2003	4772	0.47	2003	6737	0.66	2003	5610	0.55	2003
Democratic People's Republic of Korea	74597	3.29	2003	87330	3.85	2003	6084	0.27	2003	8315	0.37	2003	13497	0.60	2003
Democratic Republic of the Congo	5827	0.11	2004	28789	0.53	2004				159	0.00	2004	1200	0.02	2004
Denmark	15653	2.93	2002	55425	10.36	2002	1200	0.22	2002	4437	0.83	2002	2638	0.49	2002
Djibouti	129	0.18	2004	257	0.36	2004	39	0.05	2004	10	0.01	2004	18	0.03	2004
Dominica	38	0.50	1997	317	4.17	1997				4	0.05	1997			
Dominican Republic	15670	1.88	2000	15352	1.84	2000				7000	0.84	2000	3330	0.40	2000
Ecuador	18335	1.48	2000	19549	1.57	2000	1037	0.08	2000	2062	0.17	2000			
Egypt	38485	0.54	2003	146761	2.00	2004				9917	0.14	2004	7119	0.10	2004
El Salvador	7938	1.24	2002	5103	0.80	2002				3465	0.54	2002			
Equatorial Guinea	153	0.30	2004	228	0.45	2004	43	0.08	2004	15	0.03	2004	130	0.26	2004
Eritrea	215	0.05	2004	2505	0.58	2004				16	0.00	2004	107	0.02	2004
Estonia	6118	4.48	2000	11618	8.50	2000	469	0.34	2000	1747	1.28	2000	580	0.42	2000
Ethiopia	1936	0.03	2003	14893	0.21	2003	651	0.01	2003	93	0.00	2003	1343	0.02	2003
Fiji	271	0.34	1999	1576	1.96	1999				32	0.04	1999	59	0.07	1999
Finland	16446	3.16	2002	74450	14.33	2002	3952	0.76	2002	6674	1.28	2002	5829	1.12	2002
France	203487	3.37	2004	437525	7.24	2004	15684	0.26	2003	40904	0.68	2004	63909	1.06	2003
Gabon	395	0.29	2004	6974	5.16	2004				66	0.05	2004	63	0.05	2004
Gambia	156	0.11	2003	1719	1.21	2003	162	0.11	2003	43	0.03	2003	48	0.03	2003
Georgia	20962	4.09	2003	17807	3.47	2003	1495	0.29	2003	1438	0.28	2003	352	0.07	2003
Germany	277885	3.37	2003	801677	9.72	2003	8559	0.10	2002	64609	0.78	2003	47956	0.58	2003
Ghana	3240	0.15	2004	19707	0.92	2004				393	0.02	2004	1388	0.06	2004
Greece	47944	4.38	2001	42129	3.86	2000	1916	0.18	2001	12394	1.13	2001	8977	0.82	2000
Grenada	41	0.50	1997	303	3.70	1997				7	0.09	1997			
Guatemala	9965	0.90	1999	44986	4.05	1999				2046	0.18	1999			
Guinea	987	0.11	2004	4757	0.55	2004	64	0.01	2004	60	0.01	2004	530	0.06	2004
Guinea-Bissau	188	0.12	2004	1037	0.67	2004	35	0.02	2004	22	0.01	2004	40	0.03	2004
Guyana	366	0.48	2000	1738	2.29	2000				30	0.04	2000			
Haiti	1949	0.25	1998	834	0.11	1998				94	0.01	1998			
Honduras	3676	0.57	2000	8333	1.29	2000	195	0.03	2000	1371	0.21	2000	926	0.14	2000
Hungary	32877	3.33	2003	87381	8.85	2003	2032	0.21	2003	5364	0.54	2003	5125	0.52	2003
Iceland	1056	3.62	2004	3954	13.63	2003	200	0.69	2003	283	1.00	2000	374	1.30	2002
India	645825	0.60	2005	865135	0.80	2004	506924	0.47	2004	61424	0.06	2004	592577	0.56	2003
Indonesia	29499	0.13	2003	135705	0.62	2003	44254	0.20	2003	6896	0.03	2003	7580	0.03	2003
Iran, Islamic Republic of	31394	0.45	2004	91365	1.31	2004	4897	0.07	2004	6587	0.09	2004	6229	0.09	2004
Iraq	17022	0.66	2004	32304	1.25	2004	1701	0.07	2004	11489	0.44	2004	13775	0.53	2004
Ireland	11141	2.79	2004	60774	15.20	2004	16486	4.27	2001	2237	0.56	2004	3898	0.97	2004
Israel	24577	3.82	2003	40280	6.26	2003	1202	0.19	2003	7510	1.17	2003	4480	0.70	2003
Italy	241000	4.20	2004	312377	5.44	2003	16523	0.29	1982	33000	0.58	2004	66119	1.15	2003
Jamaica	2253	0.85	2003	4374	1.65	2003				212	0.08	2003			
Japan	251889	1.98	2002	993628	7.79	2002	24511	0.19	2000	90510	0.71	2002	154428	1.21	2002
Jordan	11398	2.03	2004	18196	3.24	2004				7270	1.29	2004	17654	3.14	2004
Kazakhstan	54613	3.54	2003	92773	6.01	2003	8018	0.52	2003	5215	0.34	2003	10390	0.67	2003
Kenya	4506	0.14	2004	37113	1.14	2004				1340	0.04	2004	3094	0.01	2004
Kiribati	24	0.30	1998	191	2.36	1998				4	0.05	1998	4	0.05	1998

	Public and environmental health workers			Community health workers			Lab technicians			Other health workers			Health management and support workers		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
	2685	0.12	2003				950	0.04	2003	67957	3.00	2003			
							512	0.01	2004	1042	0.02	2004	15013	0.28	2004
				23	0.03	2004	84	0.12	2004	159	0.22	2004	232	0.33	2004
	9531	0.13	2004				20011	0.27	2004	3694	0.05	2004	5167	0.07	2004
	18	0.04	2004	1275	2.51	2004	75	0.15	2004				74	0.15	2004
	88	0.02	2004				248	0.06	2004	56	0.01	2004	765	0.18	2004
	115	0.08	2000	44	0.03	2000				597	0.44	2000	16057	11.75	2000
	1347	0.02	2003	18652	0.26	2003	2703	0.04	2003	7354	0.10	2003			
							10119	1.95	2002	19202	3.69	2002			
	150	0.11	2004				276	0.20	2004	1	0.00	2004	144	0.11	2004
	33	0.02	2003	968	0.68	2003	99	0.07	2003	3	0.00	2003	391	0.27	2003
							899	0.04	2004	7132	0.33	2004	19151	0.90	2004
	135	0.02	2004	93	0.01	2004	268	0.03	2004	17	0.00	2004	511	0.06	2004
	13	0.01	2004	4486	2.92	2004	230	0.15	2004	61	0.04	2004	38	0.02	2004
	215	0.03	2000							2936	0.45	2000			
	325263	0.38	1991	50393	0.05	2004	15886	0.02	1991	818301	0.76	2005			
	6493	0.03	2003	0	0.00	2003	8882	0.04	2003	21178	0.10	2003	228095	1.04	2003
	10004	0.14	2004	25242	0.36	2004	17618	0.25	2004	84207	1.21	2004	72905	1.04	2004
	2601	0.10	2004	1968	0.08	2004	12103	0.47	2004	20421	0.79	2004	34273	1.33	2004
	1412	0.25	2004	1000	0.18	2004	5630	1.00	2004	6529	1.16	2004	17708	3.15	2004
	6496	0.20	2004				7000	0.22	2004	5610	0.17	2004	1797	0.06	2004

**Annex Table 4 Global distribution of health workers in WHO Member States**Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Country	Physicians			Nurses			Midwives			Dentists			Pharmacists		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
Kuwait	3589	1.53	2001	9197	3.91	2001				673	0.29	2001	722	0.31	2001
Kyrgyzstan	12902	2.51	2003	31557	6.14	2003	2663	0.52	2003	992	0.19	2003	158	0.03	2003
Lao People's Democratic Republic	2812	0.59	1996	4931	1.03	1996				196	0.04	1996			
Latvia	6940	3.01	2003	12150	5.27	2003	482	0.21	2003	1287	0.56	2003			
Lebanon	11505	3.25	2001	4157	1.18	2001				4283	1.21	2001	3359	0.95	2001
Lesotho	89	0.05	2003	1123	0.62	2003				16	0.01	2003	62	0.03	2003
Liberia	103	0.03	2004	613	0.18	2004	422	0.12	2004	13	0.00	2004	35	0.01	2004
Libyan Arab Jamahiriya	6371	1.29	1997	17779	3.60	1997				693	0.14	1997	1225	0.25	1997
Lithuania	13682	3.97	2003	26229	7.62	2003	1132	0.33	2003	2372	0.69	2003	2390	0.69	2003
Luxembourg	1206	2.66	2003	4151	9.16	2003	114	0.25	2003	323	0.71	2003	371	0.82	2003
Madagascar	5201	0.29	2004	5661	0.32	2004				410	0.02	2004	175	0.01	2004
Malawi	266	0.02	2004	7264	0.59	2004									
Malaysia	16146	0.70	2000	31129	1.35	2000	7711	0.34	2000	2144	0.09	2000	2333	0.10	2000
Maldives	302	0.92	2004	886	2.70	2004				14	0.04	2004	241	0.73	2004
Mali	1053	0.08	2004	6538	0.49	2004	573	0.04	2004	84	0.01	2004	351	0.03	2004
Malta	1254	3.18	2003	2298	5.83	2003	125	0.32	2003	167	0.42	2003	800	2.03	2003
Marshall Islands	24	0.47	2000	152	2.98	2000				4	0.08	2000	2	0.04	2000
Mauritania	313	0.11	2004	1893	0.64	2004				64	0.02	2004	81	0.03	2004
Mauritius	1303	1.06	2004	4550	3.69	2004	54	0.04	2004	233	0.19	2004	1428	1.16	2004
Mexico	195897	1.98	2000	88678	0.90	2000				78281	0.79	2000	3189	0.03	2000
Micronesia, Federated States of	64	0.60	2000	410	3.83	2000	7	0.07	2000	14	0.13	2000			
Monaco	186	5.81	1995	454	14.19	1995	10	0.31	1995	34	1.06	1995	61	1.91	1995
Mongolia	6732	2.63	2002	8012	3.13	2002	612	0.24	2002	337	0.13	2002	1093	0.43	2002
Morocco	15991	0.51	2004	24328	0.78	2004				3091	0.10	2004	7366	0.24	2004
Mozambique	514	0.03	2004	3954	0.21	2004	2229	0.12	2004	159	0.01	2004	618	0.03	2004
Myanmar	17791	0.36	2004	19254	0.38	2004	30087	0.60	2004	1396	0.03	2004	127	0.00	2004
Namibia	598	0.30	2004	6145	3.06	2004				113	0.06	2004	288	0.14	2004
Nauru	16	1.45	1995	60	5.45	1995									
Nepal	5384	0.21	2004	5664	0.22	2004	6161	0.24	2004	359	0.01	2004	358	0.01	2004
Netherlands	50854	3.15	2003	221783	13.73	2003	1940	0.12	2003	7759	0.48	2003	3134	0.19	2003
New Zealand	9027	2.37	2001	31128	8.16	2001	2121	0.56	2001	2586	0.68	2001	3495	0.92	2001
Nicaragua	2045	0.37	2003	5862	1.07	2003				243	0.04	2003			
Niger	377	0.03	2004	2716	0.22	2004	21	0.00	2004	15	0.00	2004	20	0.00	2004
Nigeria	34923	0.28	2003	210306	1.70	2003				2482	0.02	2003	6344	0.05	2004
Niue	3	1.50	1996	11	5.50	1996	2	1.00	1996	2	1.00	1996	1	0.50	1996
Norway	14200	3.13	2003	67274	14.84	2003	2243	0.49	2003	3733	0.82	2003	1675	0.37	2003
Oman	3871	1.32	2004	10273	3.50	2004	16	0.01	2004	544	0.19	2004	1551	0.53	2004
Pakistan	116298	0.74	2004	71764	0.46	2004				7862	0.05	2004	8102	0.05	2004
Palau	20	1.11	1998	26	1.44	1998	1	0.06	1998	2	0.11	1998	1	0.06	1998
Panama	4431	1.50	2000	4545	1.54	2000				2231	0.76	2000	2526	0.86	2000
Papua New Guinea	275	0.05	2000	2841	0.53	2000				90	0.02	2000			
Paraguay	6355	1.11	2002	9727	1.69	2002	534	0.09	2002	3182	0.55	2002	1868	0.33	2002
Peru	29799	1.17	1999	17108	0.67	1999				2809	0.11	1999			
Philippines	44287	0.58	2000	127595	1.69	2000	33963	0.45	2000	8564	0.11	2000	2482	0.03	2000
Poland	95272	2.47	2003	188898	4.90	2003	21997	0.57	2002	11451	0.30	2003	25397	0.66	2003



	Public and environmental health workers			Community health workers			Lab technicians			Other health workers			Health management and support workers		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
	55	0.03	2003				146	0.08	2003	23	0.01	2003	18	0.01	2003
	150	0.04	2004	142	0.04	2004	218	0.06	2004	540	0.15	2004	518	0.15	2004
	130	0.01	2004	385	0.02	2004	172	0.01	2004	530	0.03	2004	6036	0.34	2004
	26	0.00	2004				46	0.00	2004	707	0.06	2004			
				919	2.80	2004	168	0.51	2004	14	0.04	2004			
	231	0.02	2004	1295	0.01	2004	264	0.02	2004	377	0.03	2004	652	0.05	2004
				429	0.14	2004	106	0.04	2004	48	0.02	2004	1056	0.35	2004
	238	0.19	2004	236	0.19	2004	324	0.26	2004	134	0.11	2004	2038	1.65	2004
										282343	2.85	2000	412319	4.17	2000
	85	0.03	2002							3389	1.32	2002	3758	1.47	2002
	737	0.02	2004				1470	0.05	2004	975	0.03	2004	6448	0.21	2004
	564	0.03	2004				941	0.05	2004	1633	0.09	2004	9517	0.50	2004
	1757	0.04	2004	49531	0.99	2004	2241	0.04	2004	2077	0.04	2004	49661	0.99	2004
	240	0.12	2004				481	0.24	2004	597	0.30	2004	7782	3.87	2004
	172	0.01	2004	16206	0.63	2004	3209	0.12	2004	1892	0.07	2004			
							3696	0.97	2001	16863	4.42	2001	30987	8.12	2001
	268	0.02	2004				294	0.02	2004	213	0.02	2004	513	0.04	2004
				115761	0.91	2004	690	0.01	2004	1220	0.01	2004			
	173	0.06	2004				1049	0.36	2004	1256	0.43	2004	3898	1.33	2004
	106	0.00	2004	65999	0.42	2004	9744	0.06	2004	19082	0.12	2004	203337	1.29	2004
	948	0.32	2000							870	0.29	2000	8221	2.79	2000
	133	0.02	2002							2235	0.39	2002	6598	1.15	2002
										90788	1.20	2000			

**Annex Table 4 Global distribution of health workers in WHO Member States**Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Country	Physicians			Nurses			Midwives			Dentists			Pharmacists		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
Portugal	34440	3.42	2003	43860	4.36	2003	824	0.08	2000	5510	0.55	2003	9543	0.95	2003
Qatar	1310	2.22	2001	2917	4.94	2001				220	0.37	2001	530	0.90	2001
Republic of Korea	75045	1.57	2003	83333	1.75	2003	8728	0.19	2000	16033	0.34	2003	50623	1.08	2000
Republic of Moldova	11246	2.64	2003	25848	6.06	2003	991	0.23	2003	1403	0.33	2003	2061	0.48	2003
Romania	42538	1.90	2003	86802	3.89	2003	5571	0.25	2003	4919	0.22	2003	1275	0.06	2003
Russian Federation	609043	4.25	2003	1153683	8.05	2003	67403	0.47	2003	45972	0.32	2003	11404	0.08	2003
Rwanda	401	0.05	2004	3593	0.42	2004	54	0.01	2004	21	0.00	2004	278	0.03	2004
Saint Kitts and Nevis	51	1.19	1997	216	5.02	1997				8	0.19	1997			
Saint Lucia	749	5.17	1999	331	2.28	1999				9	0.06	1999			
Saint Vincent and the Grenadines	101	0.87	1997	276	2.38	1997				6	0.05	1997			
Samoa	120	0.70	1999	346	2.02	1999	3	0.02	1999	30	0.18	1999	5	0.03	1999
San Marino	1089	47.35	1990	2196	95.48	1990				8	0.35	1990	23	1.00	1990
Sao Tome and Principe	81	0.49	2004	256	1.55	2004	52	0.32	2004	11	0.07	2004	24	0.15	2004
Saudi Arabia	34261	1.37	2004	74114	2.97	2004				4235	0.17	2004	5485	0.22	2004
Senegal	594	0.06	2004	3287	0.32	2004				97	0.01	2004	85	0.01	2004
Serbia and Montenegro	21738	2.06	2002	48875	4.64	2002	2864	0.27	2002	3792	0.36	2002	1980	0.19	2002
Seychelles	121	1.51	2004	634	7.93	2004				94	1.17	2004	61	0.76	2004
Sierra Leone	168	0.03	2004	1841	0.36	2004				5	0.00	2004	340	0.07	2004
Singapore	5747	1.40	2001	17398	4.24	2001				1087	0.26	2001	1141	0.28	2001
Slovakia	17172	3.18	2003	36569	6.77	2003	1456	0.27	2003	2364	0.44	2003	2783	0.52	2003
Slovenia	4475	2.25	2002	14327	7.21	2002	654	0.33	2001	1199	0.60	2002	790	0.40	2002
Solomon Islands	54	0.13	1999	338	0.80	1999	23	0.05	1999	26	0.06	1999	28	0.07	1999
Somalia	310	0.04	1997	1486	0.19	1997				15	0.00	1997	8	0.00	1997
South Africa	34829	0.77	2004	184459	4.08	2004				5995	0.13	2004	12521	0.28	2004
Spain	135300	3.30	2003	315200	7.68	2003	6291	0.15	2001	20005	0.49	2003	35800	0.87	2003
Sri Lanka	10479	0.55	2004	30318	1.58	2004	3113	0.16	2004	1245	0.06	2004	1066	0.06	2004
Sudan	7552	0.22	2004	28704	0.84	2004	2792	0.08	2004	1082	0.03	2004	3558	0.10	2004
Suriname	191	0.45	2000	688	1.62	2000				4	0.01	2000			
Swaziland	171	0.16	2004	6828	6.30	2004				32	0.03	2004	70	0.06	2004
Sweden	29122	3.28	2002	90758	10.24	2002	6247	0.70	2002	7270	0.82	2002	5885	0.66	2002
Switzerland	25921	3.61	2002	77120	10.75	2000	2033	0.28	2000	3598	0.50	2003	4322	0.60	2003
Syrian Arab Republic	23742	1.40	2001	32938	1.94	2001				12206	0.72	2001	8862	0.52	2001
Tajikistan	12697	2.03	2003	28586	4.58	2003	3780	0.61	2003	945	0.15	2003	680	0.11	2003
Thailand	22435	0.37	2000	171605	2.82	2000	872	0.01	2000	10459	0.17	2000	15480	0.25	2000
The former Yugoslav Republic of Macedonia	4459	2.19	2001	10553	5.19	2001	1456	0.72	2001	1125	0.55	2001	309	0.15	2001
Timor-Leste	79	0.10	2004	1468	1.79	2004	327	0.40	2004	45	0.05	2004	14	0.02	2004
Togo	225	0.04	2004	2141	0.43	2004	5	0.00	2004	19	0.00	2004	134	0.03	2004
Tonga	35	0.34	2001	322	3.16	2001	19	0.19	2001	33	0.32	2001	17	0.17	2001
Trinidad and Tobago	1004	0.79	1997	3653	2.87	1997				107	0.08	1997			
Tunisia	13330	1.34	2004	28537	2.87	2004				2452	0.25	2004	2909	0.29	2004
Turkey	96000	1.35	2003	121000	1.70	2003				17200	0.24	2003	22500	0.32	2003
Turkmenistan	20032	4.18	2002	43359	9.04	2002				876	0.18	2002	1626	0.34	2002
Tuvalu	6	0.55	2002	29	2.64	2002	10	0.91	2002	2	0.18	2002	1	0.09	2002
Uganda	2209	0.08	2004	16221	0.61	2004	3104	0.12	2004	363	0.01	2004	688	0.03	2004
Ukraine	143202	2.95	2003	369755	7.62	2003	24496	0.50	2003	19354	0.40	2003	23576	0.48	2001

	Public and environmental health workers			Community health workers			Lab technicians			Other health workers			Health management and support workers		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
	72515	0.50	2000							670768	4.61	2000	435093	2.99	2000
	101	0.01	2004	12000	1.41	2004	39	0.00	2004	521	0.06	2004	1419	0.17	2004
	19	0.12	2004	374	2.27	2004	51	0.31	2004	291	1.76	2004	288	1.75	2004
										39073	1.57	2004			
	705	0.07	2004				66	0.01	2004	704	0.07	2004	564	0.05	2004
	77	0.96	2004				59	0.74	2004	35	0.44	2004			
	136	0.03	2004	1227	0.24	2004							4	0.00	2004
	2529	0.06	2004	9160	0.20	2004	1968	0.04	2004	40526	0.90	2004	28005	0.62	2004
	1541	0.08	2004				1252	0.07	2004	1546	0.08	2004	112	0.01	2004
	2897	0.08	2004	5797	0.17	2004	3115	0.09	2004	8667	0.25	2004	35374	1.03	2004
	110	0.10	2004	4700	4.34	2004	78	0.07	2004	551	0.51	2004	374	0.35	2004
	2151	0.04	2000	3601	0.06	2000				14117	0.23	2000	153563	2.52	2000
	22	0.03	2004	1657	2.02	2004	36	0.04	2004	18	0.02	2004	184	0.22	2004
	289	0.06	2004	475	0.09	2004	528	0.11	2004	397	0.08	2004	1335	0.27	2004
	890	0.09	2004				3936	0.40	2004	10478	1.05	2004	16276	1.64	2004
										7846	1.64	2002			
	1042	0.04	2004				1702	0.06	2004	3617	0.14	2004	6499	0.24	2004

**Annex Table 4 Global distribution of health workers in WHO Member States**

Figures computed by WHO to ensure comparability;<sup>a</sup> they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Country	Physicians			Nurses			Midwives			Dentists			Pharmacists		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
United Arab Emirates	5825	2.02	2001	12045	4.18	2001				954	0.33	2001	1086	0.38	2001
United Kingdom	133641	2.30	1997	704332	12.12	1997	36399	0.63	1997	58729	1.01	1997	29726	0.51	1997
United Republic of Tanzania	822	0.02	2002	13292	0.37	2002				267	0.01	2002	365	0.01	2002
United States of America	730801	2.56	2000	2669603	9.37	2000				463663	1.63	2000	249642	0.88	2000
Uruguay	12384	3.65	2002	2880	0.85	2002				3936	1.16	2002			
Uzbekistan	71623	2.74	2003	256183	9.82	2003	21270	0.82	2003	3606	0.14	2003	899	0.03	2003
Vanuatu	20	0.11	1997	428	2.35	1997									
Venezuela, Bolivarian Republic of	48000	1.94	2001							13680	0.55	2001			
Viet Nam	42327	0.53	2001	44539	0.56	2001	14662	0.19	2001				5977	0.08	2001
Yemen	6739	0.33	2004	13506	0.65	2004	240	0.01	2004	850	0.04	2004	2638	0.13	2004
Zambia	1264	0.12	2004	19014	1.74	2004	2996	0.27	2004	491	0.04	2004	1039	0.01	2004
Zimbabwe	2086	0.16	2004	9357	0.72	2004				310	0.02	2004	883	0.07	2004

<sup>a</sup> See explanatory notes for sources and methods.

	Public and environmental health workers			Community health workers			Lab technicians			Other health workers			Health management and support workers		
	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year	Number	Density per 1000	Year
	14439	0.25	1997				20035	0.34	1997	161490	2.78	1997	1231666	21.20	1997
	1831	0.05	2002				1520	0.04	2002	29722	0.82	2002	689	0.02	2002
							611993	2.15	2000	4177609	14.66	2000	7056080	24.76	2000
	792	0.04	2004	6025	0.29	2004	4709	0.23	2004	4580	0.22	2004	10902	0.53	2004
	1027	0.09	2004				1415	0.13	2004	3330	0.30	2004	10853	0.99	2004
	1803	0.14	2004				917	0.07	2004	743	0.06	2004	581	0.04	2004