# 5 Maternal and reproductive health

In 2005, 237,000 mothers in Asia and the Pacific died from causes related to pregnancy. This represents 44 per cent of the world's maternal deaths, lower than the region's share of total population. Nevertheless maternal mortality is a serious problem in many developing countries in the region, especially in South and South-West Asia.

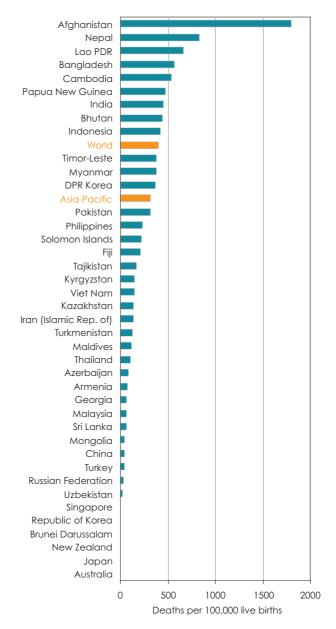
Maternal mortality is difficult to measure. Many countries, particularly those which have high maternal mortality rates, have weak systems for registering births and deaths so their coverage of these "vital events" is incomplete. In fact, as countries improve their systems they may report increasing numbers of maternal deaths even when the actual number is declining. The alternative is to estimate deaths using sample surveys, but for such estimates to be reliable the sample sizes need to be very large. Much research has been undertaken to estimate maternal mortality in a comparable manner across countries and over time - so as to better track progress towards the corresponding Millennium Development Goal, which is to reduce maternal mortality by three-quarters between 1990 and 2015.

The maternal mortality ratio (MMR) is the number of maternal deaths per 100,000 live births in a specified year. MMRs are highly correlated with per capita income. In 2005, globally the average ratio was 404, and across Asia and the Pacific it was 317. But in the region's high-income economies the ratio was only 5, compared with 273 in the middleincome economies, and 519 in the low-income economies.

By geographical region, MMRs ranged from a relatively low 48 in East and North-East Asia and 58 in North and Central Asia, to 302 in South-East Asia, 432 in the Pacific developing economies and 469 in South and South-West Asia. Some countries had very high ratios – above 500 in Afghanistan, Bangladesh, Cambodia, the Lao People's Democratic Republic and Nepal. Typically the rates were highest in the poorest countries, but even these

#### Figure 5.1

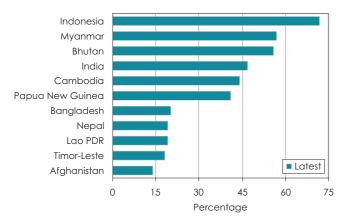
Maternal mortality ratios, Asia and the Pacific, 2005



countries can reduce deaths by using specific reproductive health interventions. Thus although Viet Nam has a lower per capita income than Indonesia its MMR was only 150, compared with 420 in Indonesia.

#### Figure 5.2

Proportions of births attended by skilled health personnel, in countries with high MMRs, 2000-2006



The most effective way to reduce maternal mortality is to have births attended by skilled health personnel. Countries with high MMRs tend to have a low proportion of births assisted in this way – 14 per cent in Afghanistan, 20 per cent in Bangladesh, 44 per cent in Cambodia and 19 per cent in the Lao People's Democratic Republic. On the other hand, two low-income economies with relatively low MMRs both have high proportions of births attended by skilled personnel: Sri Lanka, 96 per cent; and Viet Nam, 88 per cent.

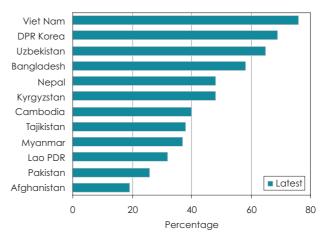
Another important step is to provide contraception to women who wish to delay or stop bearing children. Except for Bangladesh, the countries in which the MMR exceeds 500 all have contraceptive prevalence rates below 50 per cent. Even the poorest countries, however, can achieve higher prevalence rates – as in Sri Lanka (70 per cent) and Viet Nam (76 per cent) – countries that have achieved low levels of maternal mortality through effective health interventions.

A further way of reducing maternal mortality is to ensure that pregnant women have access to antenatal care. In most of the countries in the region for which data are available, more than 90 per cent of pregnant women make at least one visit to a medical centre for antenatal care. In South and South-West Asia, however, that proportion is often quite low – less than 50 per cent in Afghanistan, Bangladesh, Nepal and Pakistan.

The women at lower risk are those in richer households and in urban areas which have better assess to reproductive health care. For example, in the Philippines in 2003, for women in the richest quintile the proportion of births attended by skilled personnel was 92 per cent but for women in the poorest quintile the proportion was only 25 per

#### Figure 5.3

Contraceptive prevalence rates in low-income economies, 2000-2006



#### Figure 5.4





cent. Similarly, in urban areas the proportion was 79 per cent but in the rural areas only 41 per cent.

The risk of both maternal mortality and infant mortality is much greater for births occurring to women below age 20. For this reason, another effective policy measure is to reduce adolescent fertility. Adolescent fertility remains high in several countries in South and South-West Asia, as well as in the Lao People's Democratic Republic and Papua New Guinea.

## Maternal mortality ratio (number; deaths per 100,000 live births.)

Number of maternal deaths per 100,000 live births during a specified time period, usually 1 year. Related terms: Maternal death is the death of a woman while pregnant or within 42 days after termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes. **Aggregates:** Number: Sum of individual country values; Ratio: Averages are calculated using the total number of births as weight. **Source:** Number: Calculated by ESCAP using data from United Nations Millennium Development Goals Indicators; Ratio: United Nations Millennium Development Goals Indicators (online database, accessed on 4 August 2008).

## Proportions of births attended by skilled health personnel (percentage)

Percentage of births attended by skilled health personnel (doctors, nurses or midwives). Skilled health personnel include those who are trained in: providing life-saving obstetric care, including giving the necessary supervision, care and advice to women during pregnancy, labour and the post-partum period; conducting deliveries on their own; and caring for newborns. Traditional birth attendants, even if they receive a short training course, are not included. **Aggregates:** None. **Source:** United Nations Millennium Development Goals Indicators (online database, accessed on 5 August 2008).

### Proportion of births attended by skilled health personnel: poorest and richest quintiles (percentage)

See definition of *proportions of births attended by skilled health personnel.* Disaggregation is provided for the lowest and richest wealth quintile of the population. **Aggregates:** None. **Source:** WHO Statistical Information System (WHOSIS) (online database, accessed on 4 June 2008).

### Proportions of births attended by skilled health personnel. Urban/Rural (percentage)

See definition of *proportions of births attended by skilled health personnel.* Disaggregation is provided for urban and rural areas. **Aggregates:** None. **Source:** United Nations Millennium Development Goals Indicators (online database, accessed on 5 August 2008).

#### Contraceptive prevalence rate (percentage)

Contraceptive prevalence is the percentage of women married or in union aged 15 to 49 who are currently using, or whose sexual partner is using, at least one method of contraception, regardless of the method used. For analytical convenience, contraceptive methods are often classified as either modern or traditional. Modern methods of contraception include female and male sterilization, oral hormonal pills, the intra-uterine device (IUD), the male condom, injectables, the implant (including Norplant), vaginal barrier methods, the female condom and emergency contraception. Traditional methods of contraception include the rhythm (periodic abstinence), withdrawal, lactational amenorrhea method (LAM) and folk methods. Aggregates: None. Source: United Nations Millennium Development Goals Indicators (online database, accessed on 5 August 2008).

### Pregnant women receiving antenatal care coverage: one visit and four visits (percentage)

Antenatal care coverage (at least one visit) is the percentage of women aged 15-49 with a live birth in a given time period that received antenatal care provided by skilled health personnel (doctors, nurses, or midwives) at least once during pregnancy, as a percentage of women age 15-49 years with a live birth in a given time period. Antenatal care coverage (at least four visits) is the percentage of women aged 15-49 with a live birth in a given time period that received antenatal care four or more times with any provider (whether skilled or unskilled), as a percentage of women age 15-49 years with a live birth in a given time period. A skilled health worker/attendant is an accredited health professional - such as a midwife, doctor or nurse who has been educated and trained to proficiency in the skills needed to manage normal (uncomplicated) pregnancies, childbirth and the immediate postnatal period, and in the identification, management and referral of complications in women and newborn children. Aggregates: None. Source: United Nations Millennium Development Goals Indicators (online database, accessed on 4 August 2008).

### 5.1 Maternal mortality and antenatal care

|                           | Maternal | Deaths per             | Total     |      |       | -     | f births a<br>Poore |      | Riche         |      | Rural |      | Urb |     |
|---------------------------|----------|------------------------|-----------|------|-------|-------|---------------------|------|---------------|------|-------|------|-----|-----|
|                           | Number   | 100,000<br>live births |           |      | TOTAL |       | quinti              |      | quin<br>ntage | ile  | Rura  | 1    | Urb | an  |
|                           | 2005     | 2005                   | Earli     | est  | La    | test  | La                  | test |               | test | La    | test | La  | tes |
| East and North-East Asia  | 9 149    | 48                     |           |      |       |       |                     |      |               |      |       |      |     |     |
| China                     | 7 786    | 45                     | 94        | (90) | 98    | (05)  |                     |      |               |      |       |      |     |     |
| DPR Korea                 | 1 209    | 370                    | 98        |      |       | (04)  |                     |      |               |      |       |      |     |     |
| Hong Kong, China          |          |                        |           |      |       |       |                     |      |               |      |       |      |     |     |
| Japan                     | 66       | 6                      | 100       | (90) | 100   | (96)  |                     |      |               |      |       |      |     |     |
| Macao, China              |          |                        |           |      |       |       |                     |      |               |      |       |      |     |     |
| Mongolia                  | 22       | 46                     | 94        | (98) | 99    | (06)  |                     |      |               |      |       |      |     |     |
| Republic of Korea         | 65       | 14                     |           |      |       |       |                     |      |               |      |       |      |     |     |
| South-East Asia           | 34 503   | 302                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| Brunei Darussalam         | 34 303   | 13                     | 98        | (04) | 00    | (99)  |                     |      |               |      |       |      |     |     |
| Cambodia                  | 2 014    | 540                    |           |      |       | · · / | 21                  | (05) | 00            | (05) | 30    | (05) | 70  | (05 |
| Indonesia                 | 18 738   | 420                    | 34        |      |       | (05)  |                     |      |               |      |       | (05) |     |     |
| Lao PDR                   | 1 024    | 660                    | 41        | (90) |       | (04)  | 40                  | (03) | 94            | (03) | 55    | (03) | 19  | (03 |
|                           | 345      | 62                     | 02        | (00) |       | (01)  |                     |      |               |      |       |      |     |     |
| Malaysia                  |          |                        | 93        |      |       | (05)  |                     |      |               |      |       |      |     |     |
| Myanmar                   | 3 428    | 380                    | 46        |      |       | (01)  | 05                  | (00) | 00            | (00) | 44    | (00) | 70  | (00 |
| Philippines               | 5 266    | 230                    | 53        | (93) |       | (03)  | 25                  | (03) | 92            | (03) | 41    | (03) | 79  | (03 |
| Singapore                 | 5        | 14                     | 00        |      |       | (98)  |                     |      |               |      |       |      |     |     |
| Thailand                  | 1 034    | 110                    | 99        |      |       | (06)  |                     |      |               |      |       |      |     |     |
| Timor-Leste               | 167      | 380                    | 26        |      |       | (03)  | 50                  | ()   | 100           |      | 00    |      | 00  |     |
| Viet Nam                  | 2 480    | 150                    | 77        | (97) | 88    | (06)  | 58                  | (02) | 100           | (02) | 82    | (02) | 99  | (02 |
| South and South-West Asia | 190 816  | 469                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| Afghanistan               | 22 180   | 1 800                  | 12        | (00) | 14    | (03)  |                     |      |               |      |       |      |     |     |
| Bangladesh                | 22 966   | 570                    | 10        |      |       | (06)  | 3                   | (04) | 40            | (04) | 9     | (04) | 30  | (04 |
| Bhutan                    | 55       | 440                    | 15        |      |       | (03)  |                     |      |               |      |       |      |     |     |
| India                     | 122 686  | 450                    | 34        |      |       | (06)  | 19                  | (06) | 89            | (06) | 38    | (06) | 74  | (06 |
| Iran (Islamic Rep. of)    | 1 917    | 140                    | 86        |      |       | (00)  |                     | x 7  |               |      |       |      |     | ,   |
| Maldives                  | 8        | 120                    | 90        |      |       | (00)  |                     |      |               |      |       |      |     |     |
| Nepal                     | 6 527    | 830                    |           | (91) |       | (06)  | 5                   | (06) | 58            | (06) | 19    | (06) | 52  | (06 |
| Pakistan                  | 13 699   | 320                    | 19        |      |       | (05)  |                     | (91) |               | (91) |       | (91) |     | (91 |
| Sri Lanka                 | 173      | 58                     | 94        |      |       | (00)  | U                   | (01) | 00            | (01) | Ŭ     | (01) | 12  | (01 |
| Turkey                    | 605      | 44                     | 76        | • •  |       | (03)  |                     |      |               |      | 69    | (03) | 90  | (03 |
| •                         |          |                        | 10        | (00) | 00    | (00)  |                     |      |               |      | 00    | (00) | 00  | (00 |
| North and Central Asia    | 1 739    | 58                     |           |      |       |       |                     |      |               |      |       |      |     |     |
| Armenia                   | 27       | 76                     | 96        |      |       | (05)  | 93                  | (05) | 100           | (05) | 98    | (05) | 99  | (05 |
| Azerbaijan                | 103      | 82                     | 100       |      |       | (04)  |                     |      |               |      |       |      |     |     |
| Georgia                   | 32       | 66                     | 97        | • •  |       | (03)  |                     |      |               |      |       |      |     |     |
| Kazakhstan                | 390      | 140                    | 100       |      | 100   |       |                     | (99) |               | (99) | 100   |      |     | (99 |
| Kyrgyzstan                | 166      | 150                    | 98        |      | 98    | (06)  | 96                  | (97) | 100           | (97) | 98    | (97) | 99  | (97 |
| Russian Federation        | 418      | 28                     | 99        |      |       | (03)  |                     |      |               |      |       |      |     |     |
| Tajikistan                | 315      | 170                    | 79        | (96) | 83    | (05)  |                     |      |               |      |       |      |     |     |
| Turkmenistan              | 140      | 130                    | 96        | (96) | 100   | (06)  | 97                  | (00) | 98            | (00) | 97    | (00) | 98  | (00 |
| Uzbekistan                | 148      | 24                     | 98        | (96) | 100   | (06)  |                     |      |               |      |       |      |     |     |
| Pacific                   | 992      | 185                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| Australia                 | 10       | 4                      | 100       | (91) | 100   | (99)  |                     |      |               |      |       |      |     |     |
| American Samoa            |          | •                      |           | (01) |       | (00)  |                     |      |               |      |       |      |     |     |
| Cook Islands              |          |                        | 99        | (91) | 98    | (01)  |                     |      |               |      |       |      |     |     |
| Fili                      | 38       | 210                    | 100       |      |       | (00)  |                     |      |               |      |       |      |     |     |
| French Polynesia          | 00       | 210                    | 100       | (30) | 00    | (00)  |                     |      |               |      |       |      |     |     |
| Guam                      |          |                        |           |      |       |       |                     |      |               |      |       |      |     |     |
| Kiribati                  |          |                        | 72        | (04) | 85    | (98)  |                     |      |               |      |       |      |     |     |
| Marshall Islands          |          |                        | 12        | (34) |       | (98)  |                     |      |               |      |       |      |     |     |
| Micronesia (F.S.)         |          |                        | 93        | (00) |       |       |                     |      |               |      |       |      |     |     |
| Nauru                     |          |                        | 35        | (33) | 00    | (01)  |                     |      |               |      |       |      |     |     |
| New Caledonia             |          |                        |           |      |       |       |                     |      |               |      |       |      |     |     |
| New Zealand               | 5        | 9                      | 05        | (04) | 100   | (05)  |                     |      |               |      |       |      |     |     |
| New Zealand               | Э        | 3                      | 95<br>99  |      |       | (95)  |                     |      |               |      |       |      |     |     |
| Northern Mariana Is.      |          |                        | 39        | (90) | 100   | (02)  |                     |      |               |      |       |      |     |     |
| Palau                     |          |                        | 99        | (00) | 100   | (02)  |                     |      |               |      |       |      |     |     |
| Papua New Guinea          | 905      | 470                    | 99<br>53  | . ,  |       | (02)  |                     |      |               |      |       |      |     |     |
| Samoa                     | 900      | -10                    | 53<br>76  |      |       | (00)  |                     |      |               |      |       |      |     |     |
| Samoa<br>Solomon Islands  | 33       | 220                    |           | • •  |       | (98)  |                     |      |               |      |       |      |     |     |
|                           | 33       | 220                    | 85<br>92  |      |       | (99)  |                     |      |               |      |       |      |     |     |
| Tonga<br>Tuvalu           |          |                        | 92<br>100 |      |       | ( )   |                     |      |               |      |       |      |     |     |
| Vanuatu                   |          |                        | 100<br>87 |      | 100   |       |                     |      |               |      |       |      |     |     |
|                           |          |                        | 87        | (94) | 00    | (99)  |                     |      |               |      |       |      |     |     |
| Asia and the Pacific      | 237 199  | 317                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| LLDC                      | 31 097   | 842                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| LDC                       | 58 403   | 773                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| ASEAN                     | 34 337   | 302                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| ECO                       | 39 663   | 410                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| SAARC                     | 188 294  | 497                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| Central Asia              | 1 321    | 88                     |           |      |       |       |                     |      |               |      |       |      |     |     |
| Pacific island dev. econ. | 977      | 432                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| Low-income                | 77 095   | 519                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| Middle-income             | 159 951  | 273                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| High-income               | 153      | 8                      |           |      |       |       |                     |      |               |      |       |      |     |     |
| Other world regions       |          |                        |           |      |       |       |                     |      |               |      |       |      |     |     |
| Africa                    | 282 428  | 828                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| Europe                    | 520      | 9                      |           |      |       |       |                     |      |               |      |       |      |     |     |
| Latin America & Carib.    | 15 301   | 133                    |           |      |       |       |                     |      |               |      |       |      |     |     |
| North America             | 487      | 11                     |           |      |       |       |                     |      |               |      |       |      |     |     |
| Other countries/areas     | 7 408    | 214                    |           |      |       |       |                     |      |               |      |       |      |     |     |
|                           | , ,00    | 404                    |           |      |       |       |                     |      |               |      |       |      |     |     |

#### 5.2 Reproductive health

|                                         | Contraceptive p    | prevalence rate    | Pregnant women receiving antenatal care coverage |                  |                                       |                    |  |  |  |
|-----------------------------------------|--------------------|--------------------|--------------------------------------------------|------------------|---------------------------------------|--------------------|--|--|--|
|                                         | Perce              | ntage              |                                                  | visits<br>entage | One visit<br>Percentage               |                    |  |  |  |
|                                         | Earliest           | Latest             | Earliest                                         | Latest           | Earliest                              | Lates              |  |  |  |
| East and North-East Asia                |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| China                                   | 85 (92)            | 87 (01)            |                                                  |                  | 90 (01)                               | 90 (05             |  |  |  |
| DPR Korea                               | 62 (92)            | 69 (02)            |                                                  |                  |                                       |                    |  |  |  |
| Hong Kong, China                        | 86 (92)            | 84 (02)            |                                                  |                  |                                       |                    |  |  |  |
| Japan<br>Masaa China                    | 58 (90)            | 54 (05)            |                                                  |                  |                                       |                    |  |  |  |
| Macao, China<br>Mongolia                | 65 (94)            | 66 (06)            |                                                  |                  | 90 (98)                               | 99 (06)            |  |  |  |
| Republic of Korea                       | 79 (91)            | 81 (97)            |                                                  |                  | 30 (30)                               | 00 (00)            |  |  |  |
| South-East Asia                         | ()                 | - (- )             |                                                  |                  |                                       |                    |  |  |  |
| Brunei Darussalam                       |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Cambodia                                | 13 (95)            | 40 (05)            |                                                  | 27 (05)          | 34 (98)                               | 69 (05)            |  |  |  |
| Indonesia                               | 50 (91)            | 58 (05)            |                                                  | 81 (02)          | 76 (91)                               | 92 (02)            |  |  |  |
| Lao PDR                                 | 19 (93)            | 32 (00)            |                                                  |                  |                                       |                    |  |  |  |
| Malaysia                                | 55 (94)            |                    |                                                  |                  | 74 (03)                               | 79 (05)            |  |  |  |
| Myanmar                                 | 17 (91)            | 37 (01)            |                                                  | 70 (00)          | 76 (97)                               | 76 (01)            |  |  |  |
| Philippines<br>Singapore                | 40 (93)<br>65 (92) | 51 (06)<br>62 (97) |                                                  | 70 (03)          | 83 (93)                               | 88 (03)            |  |  |  |
| Thailand                                | 74 (93)            | 72 (06)            |                                                  |                  | 86 (96)                               | 98 (06)            |  |  |  |
| Timor-Leste                             | 25 (91)            | 10 (03)            |                                                  | 30 (03)          | 71 (97)                               | 61 (03)            |  |  |  |
| Viet Nam                                | 65 (94)            | 76 (06)            |                                                  | 29 (02)          | 71 (97)                               | 91 (06)            |  |  |  |
| South and South-West Asia               |                    |                    |                                                  | . ,              |                                       |                    |  |  |  |
| Afghanistan                             | 5 (00)             | 19 (06)            |                                                  |                  | 37 (00)                               | 16 (03)            |  |  |  |
| Bangladesh                              | 40 (91)            | 58 (04)            |                                                  | 16 (04)          | 26 (94)                               | 48 (06)            |  |  |  |
| Bhutan                                  | 19 (94)            | 31 (00)            |                                                  |                  |                                       |                    |  |  |  |
| India                                   | 41 (93)            | 56 (06)            |                                                  | 51 (06)          | 49 (93)                               | 74 (06             |  |  |  |
| Iran (Islamic Rep. of)                  | 65 (92)            | 74 (00)            |                                                  |                  |                                       |                    |  |  |  |
| Maldives                                | 23 (91)            | 39 (04)            |                                                  |                  |                                       |                    |  |  |  |
| Nepal                                   | 23 (91)            | 48 (06)            | 44 (04)                                          | 29 (06)          | 15 (91)                               | 44 (06)            |  |  |  |
| Pakistan<br>Sri Lanka                   | 12 (91)<br>66 (93) | 26 (06)<br>70 (00) | 14 (91)                                          |                  | 26 (91)<br>80 (93)                    | 36 (05)<br>95 (00) |  |  |  |
| Turkey                                  | 63 (93)            | 70 (00)<br>71 (03) |                                                  | 54 (03)          | 62 (93)                               | 81 (03)            |  |  |  |
| •                                       | 00 (00)            | 11 (00)            |                                                  | 01 (00)          | 02 (00)                               | 01 (00)            |  |  |  |
| North and Central Asia<br>Armenia       | 61 (00)            | 53 (05)            |                                                  | 71 (05)          | 82 (97)                               | 93 (05)            |  |  |  |
| Arnenia<br>Azerbaijan                   | 55 (00)            | 55 (01)            |                                                  | 30 (99)          | 98 (97)                               | 70 (01)            |  |  |  |
| Georgia                                 | 41 (00)            | 47 (05)            |                                                  | 75 (05)          | 74 (97)                               | 94 (05)            |  |  |  |
| Kazakhstan                              | 59 (95)            | 51 (06)            |                                                  | 70 (99)          | 93 (95)                               | 100 (06)           |  |  |  |
| Kyrgyzstan                              | 60 (97)            | 48 (06)            |                                                  | 81 (97)          | 97 (97)                               | 97 (06)            |  |  |  |
| Russian Federation                      | 63 (93)            | 73 (99)            |                                                  | . ,              | , , , , , , , , , , , , , , , , , , , | ,                  |  |  |  |
| Tajikistan                              | 34 (00)            | 38 (05)            |                                                  |                  | 71 (00)                               | 77 (05)            |  |  |  |
| Turkmenistan                            |                    | 62 (00)            |                                                  | 83 (00)          | 98 (00)                               | 99 (06)            |  |  |  |
| Uzbekistan                              | 56 (96)            | 65 (06)            | 79 (96)                                          |                  | 95 (96)                               | 99 (06)            |  |  |  |
| Pacific                                 |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Australia                               | 67 (95)            | 71 (02)            |                                                  |                  |                                       |                    |  |  |  |
| American Samoa                          |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Cook Islands                            | 63 (96)            | 43 (99)            |                                                  |                  |                                       |                    |  |  |  |
| Fiji<br>French Polynesia                |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Guam                                    |                    | 67 (02)            |                                                  |                  |                                       |                    |  |  |  |
| Kiribati                                |                    | 36 (00)            |                                                  |                  |                                       |                    |  |  |  |
| Marshall Islands                        |                    | 00 (00)            |                                                  |                  |                                       |                    |  |  |  |
| Micronesia (F.S.)                       |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Nauru                                   |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| New Caledonia                           |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| New Zealand                             | 74 (95)            |                    |                                                  |                  |                                       |                    |  |  |  |
| Niue                                    |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Northern Mariana Is.<br>Palau           |                    | 33 (03)            |                                                  |                  |                                       |                    |  |  |  |
| Palau<br>Papua New Guinea               | 26 (96)            | 33 (03)            |                                                  |                  |                                       |                    |  |  |  |
| Samoa                                   | 20 (90)            |                    |                                                  |                  |                                       |                    |  |  |  |
| Solomon Islands                         |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Tonga                                   |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Tuvalu                                  |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Vanuatu                                 | 39 (95)            |                    |                                                  |                  |                                       |                    |  |  |  |
| Asia and the Pacific                    |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| LLDC                                    |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| LDC                                     |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| ASEAN                                   |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| ECO                                     |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| SAARC                                   |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Central Asia                            |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Pacific island dev. econ.<br>Low-income |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Middle-income                           |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| High-income                             |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Other world regions                     |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Africa                                  |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Europe                                  |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Latin America & Carib.                  |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| North America                           |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| Other countries/areas                   |                    |                    |                                                  |                  |                                       |                    |  |  |  |
| World                                   |                    |                    |                                                  |                  |                                       |                    |  |  |  |