



Human Health 2005

Source: United Nations Population Division, World Health Organization, United Nations Children's Fund,
Joint United Nations Programme on HIV/AIDS

| | Life Expectancy at Birth (years) | | Physicians Per 100,000 Population | Use of Improved Water Source (percent of population) | | Use of Improved Sanitation (percent of population) | | Malnutrition in Children Under Five (1995-2002) | | HIV and AIDS | | Tuberculosis Incidence Rate Per 100,000 Population | Malaria | | Health Care Expenditures Per Capita (\$Intl) | | | |
|------------------------------------|----------------------------------|-----------|-----------------------------------|--|-------|--|-------|---|------------|---------------------|---|--|--------------------------------------|---|--|-------------------------|--------------------------|-----------------------|
| | 1980-1985 | 2000-2005 | | 2002 | Urban | Rural | Urban | Rural | Prevalence | Stunting Prevalence | Adults Ages 15-49 Living With HIV or AIDS | | ART Use Rate (b) (percent) 2002-2003 | Reported Cases Per 100,000 Population 1998-2001 | Percent of Children Under Age 5 Using Treated Bed Nets 1999-2004 | Total Spending (c) 2001 | Government Spending 2001 | |
| | | | | | | | | | | | Percent in 2003 | | | | | | | Change Since 2001 (a) |
| | | | | | | | | | | | | | | | | | | |
| World | 61.3 | 65.4 | 157 | 95 | 72 | 81 | 37 | 27 | 31 | 1.1 | 8.5 | 142 | .. | .. | 629 | 349 | | |
| Asia (excl. Middle East) | 61.5 | 67.7 | 107 | 93 | 75 | 72 | 31 | 31 | 33 | 0.4 | .. | 152 | .. | .. | 230 | 115 | | |
| Armenia | 72.5 | 72.4 | 353 | 99 | 80 | 96 | 61 | 3 | 13 | 0.1 | 25.0 | 0.0 | 77 | 2 | .. | 273 | 112 | |
| Azerbaijan | 68.4 | 72.2 | 354 | 95 | 59 | 73 | 36 | 7 | 13 | 0.1 | .. | 0.0 | 82 | 13 | 1.4 | 48 | 32 | |
| Bangladesh | 50.0 | 61.4 | 23 | 82 | 72 | 75 | 39 | 48 | 45 | .. | .. | 0.0 | 221 | 40 | .. | 58 | 26 | |
| Bhutan | 47.7 | 63.2 | 5 | 86 | 60 | 65 | 70 | 19 | 40 | .. | .. | .. | 118 | 279 | .. | 64 | 58 | |
| Cambodia | 52.1 | 57.4 | 16 | 58 | 29 | 53 | 8 | 45 | 45 | 2.6 | 6.3 | 3.0 | 549 | 399 | .. | 184 | 27 | |
| China | 66.6 | 71.0 | 164 | 92 | 68 | 69 | 29 | 11 | 16 | 0.1 | 27.7 | 5.0 | 113 | 2 | .. | 224 | 83 | |
| Georgia | 70.7 | 73.6 | 391 | 90 | 61 | 96 | 69 | 3 | 12 | 0.1 | 100.0 | 8.0 | 85 | 8 | .. | 108 | 41 | |
| India | 54.9 | 63.9 | 51 | 96 | 82 | 58 | 18 | 47 | 46 | 0.9 | 31.6 | 2.0 | 168 | 192 | .. | 80 | 14 | |
| Indonesia | 56.2 | 66.8 | 16 | 89 | 69 | 71 | 38 | 26 | .. | 0.1 | 93.0 | 2.7 | 256 | 93 | 0.1 | 77 | 19 | |
| Japan | 76.9 | 81.6 | 201 | 100 | 100 | 100 | 100 | .. | .. | 0.1 | 0.0 | .. | 33 | .. | .. | 2,131 | 1,660 | |
| Kazakhstan | 67.0 | 66.3 | 330 | 96 | 72 | 87 | 52 | 4 | 10 | 0.2 | 59.2 | 1.0 | 146 | .. | .. | 204 | 123 | |
| Korea, Dem People's Rep | 69.1 | 63.1 | 297 | 100 | 100 | 58 | 60 | 21 | 42 | .. | .. | .. | 160 | 516 | .. | 44 | 32 | |
| Korea, Rep | 67.2 | 75.5 | 181 | 97 | 71 | .. | .. | .. | .. | 0.1 | 48.2 | .. | 91 | 5 | .. | 948 | 421 | |
| Kyrgyzstan | 65.6 | 68.6 | 268 | 98 | 66 | 75 | 51 | 11 | 25 | 0.1 | 160.0 | 0.0 | 142 | 1 | .. | 108 | 53 | |
| Lao People's Dem Rep | 45.8 | 54.5 | 59 | 66 | 38 | 61 | 14 | 40 | 41 | 0.1 | 112.5 | .. | 170 | 498 | .. | 51 | 28 | |
| Malaysia | 68.0 | 73.1 | 70 | 96 | 94 | .. | 98 | 12 | .. | 0.4 | 24.4 | .. | 95 | 56 | .. | 345 | 185 | |
| Mongolia | 57.5 | 63.9 | 267 | 87 | 30 | 75 | 37 | 13 | 25 | 0.1 | 150.0 | .. | 209 | .. | .. | 122 | 88 | |
| Myanmar | 51.8 | 57.3 | 5 | 93 | 74 | 96 | 63 | 35 | 34 | 1.2 | 18.5 | 1.0 | 154 | 252 | .. | 26 | 5 | |
| Nepal | 49.1 | 59.9 | 5 | 93 | 82 | 68 | 20 | 48 | 51 | 0.5 | 36.4 | .. | 190 | 29 | .. | 63 | 19 | |
| Pakistan | 53.0 | 61.0 | 66 | 95 | 87 | 92 | 35 | 38 | 37 | 0.1 | 17.7 | 2.2 | 181 | 55 | .. | 85 | 21 | |
| Philippines | 62.1 | 70.0 | 116 | 90 | 77 | 81 | 61 | 28 | 30 | 0.1 | 107.0 | 3.5 | 320 | 45 | .. | 169 | 76 | |
| Singapore | 71.8 | 78.1 | 140 | 100 | .. | 100 | .. | .. | .. | 0.2 | 20.6 | 0.0 | 43 | .. | .. | 993 | 333 | |
| Sri Lanka | 67.9 | 72.6 | 43 | 99 | 72 | 98 | 89 | 29 | 14 | 0.1 | 59.1 | 2.0 | 54 | 348 | .. | 122 | 60 | |
| Tajikistan | 65.9 | 68.8 | 218 | 93 | 47 | 71 | 47 | .. | .. | 0.1 | .. | 0.0 | 109 | 186 | 1.9 | 43 | 12 | |
| Thailand | 65.0 | 69.3 | 30 | 95 | 80 | 97 | 100 | 19 | 16 | 1.5 | (9.7) | 4.0 | 128 | 100 | .. | 254 | 145 | |
| Turkmenistan | 63.2 | 67.1 | 317 | 93 | 54 | 77 | 50 | 12 | 22 | 0.1 | .. | .. | 94 | 0 | .. | 245 | 180 | |
| Uzbekistan | 66.6 | 69.7 | 289 | 97 | 84 | 73 | 48 | 19 | 31 | 0.1 | 266.7 | 0.0 | 102 | 0 | .. | 91 | 68 | |
| Viet Nam | 58.7 | 69.2 | 53 | 93 | 67 | 84 | 26 | 33 | 36 | 0.4 | 33.3 | 1.0 | 193 | 86 | 15.8 | 134 | 38 | |
| Europe | 72.0 | 74.5 | 348 | 100 | .. | .. | .. | .. | .. | 0.5 | .. | .. | 51 | .. | .. | 1,461 | 1,089 | |
| Albania | 70.4 | 73.7 | 139 | 99 | 95 | 99 | 81 | 14 | 32 | .. | .. | 0.0 | 28 | .. | .. | 150 | 97 | |
| Austria | 73.1 | 78.5 | 324 | 100 | 100 | 100 | 100 | .. | .. | 0.3 | 1.0 | 92.6 | 15 | .. | .. | 2,259 | 1,565 | |
| Belarus | 70.7 | 70.1 | 450 | 100 | 100 | .. | .. | .. | .. | .. | .. | <1.0 | 83 | .. | .. | 464 | 402 | |
| Belgium | 73.7 | 78.8 | 418 | 100 | .. | .. | .. | .. | .. | 0.2 | 23.5 | 93.8 | 14 | .. | .. | 2,481 | 1,779 | |
| Bosnia and Herzegovina | 70.7 | 74.0 | 134 | 100 | 96 | 99 | 88 | 4 | 10 | 0.1 | .. | 10.0 | 60 | .. | .. | 268 | 99 | |
| Bulgaria | 71.2 | 70.9 | 338 | 100 | 100 | 100 | 100 | .. | .. | 0.1 | .. | 44.5 | 48 | .. | .. | 303 | 249 | |
| Croatia | 70.5 | 74.2 | 237 | .. | .. | .. | .. | .. | .. | 0.1 | .. | 98.7 | 47 | .. | .. | 726 | 594 | |
| Czech Rep | 70.7 | 75.4 | 343 | .. | .. | .. | .. | 1 | 2 | 0.1 | 19.0 | .. | 13 | .. | .. | 1,129 | 1,032 | |
| Denmark | 74.6 | 76.6 | 366 | 100 | 100 | .. | .. | .. | .. | 0.2 | 8.7 | 90.9 | 13 | .. | .. | 2,503 | 2,062 | |
| Estonia | 69.6 | 71.7 | 316 | .. | .. | 93 | .. | .. | .. | 1.1 | 54.0 | 32.0 | 55 | .. | .. | 562 | 437 | |
| Finland | 73.9 | 78.0 | 311 | 100 | 100 | 100 | 100 | .. | .. | 0.1 | 25.0 | 94.6 | 10 | .. | .. | 1,845 | 1,395 | |
| France | 74.7 | 79.0 | 329 | 100 | .. | .. | .. | .. | .. | 0.4 | 9.1 | .. | 14 | .. | .. | 2,567 | 1,951 | |
| Germany | 73.8 | 78.3 | 362 | 100 | 100 | .. | .. | .. | .. | 0.1 | 4.9 | 94.7 | 10 | .. | .. | 2,820 | 2,112 | |
| Greece | 75.2 | 78.3 | 440 | .. | .. | .. | .. | .. | .. | 0.2 | 2.3 | .. | 20 | .. | .. | 1,522 | 852 | |
| Hungary | 69.1 | 71.9 | 316 | 100 | 98 | 100 | 85 | 2 | 3 | 0.1 | .. | 97.0 | 32 | .. | .. | 914 | 686 | |
| Iceland | 76.8 | 79.8 | 347 | 100 | 100 | .. | .. | .. | .. | 0.2 | 0.0 | 87.5 | 3 | .. | .. | 2,643 | 2,191 | |
| Ireland | 73.1 | 77.0 | 237 | 100 | .. | .. | .. | .. | .. | 0.1 | 18.2 | .. | 13 | .. | .. | 1,935 | 1,471 | |
| Italy | 74.5 | 78.7 | 606 | 100 | .. | .. | .. | .. | .. | 0.5 | 7.7 | 72.7 | 8 | .. | .. | 2,204 | 1,660 | |
| Latvia | 69.3 | 71.0 | 291 | .. | .. | .. | .. | .. | .. | 0.6 | 27.1 | 51.0 | 78 | .. | .. | 509 | 267 | |
| Lithuania | 70.8 | 72.7 | 403 | .. | .. | .. | .. | .. | .. | 0.1 | 18.2 | 55.0 | 66 | .. | .. | 478 | 337 | |
| Macedonia, FYR | 69.6 | 73.6 | 219 | .. | .. | .. | .. | 6 | 7 | 0.1 | 0.0 | 20.0 | 42 | .. | .. | 331 | 281 | |
| Moldova, Rep | 64.8 | 68.9 | 269 | 97 | 88 | 86 | 52 | 3 | 10 | 0.2 | .. | 8.3 | 155 | .. | .. | 112 | 56 | |
| Netherlands | 76.0 | 78.3 | 329 | 100 | 99 | 100 | 100 | .. | .. | 0.2 | 11.8 | 96.0 | 9 | .. | .. | 2,612 | 1,653 | |
| Norway | 76.0 | 78.9 | 356 | 100 | 100 | .. | .. | .. | .. | 0.1 | 11.1 | 89.6 | 6 | .. | .. | 2,920 | 2,497 | |
| Poland | 70.9 | 73.9 | 220 | 100 | .. | .. | .. | .. | .. | 0.1 | .. | 92.9 | 32 | .. | .. | 629 | 452 | |
| Portugal | 72.2 | 76.2 | 324 | .. | .. | .. | .. | .. | .. | 0.4 | 4.8 | .. | 47 | .. | .. | 1,618 | 1,116 | |
| Romania | 69.7 | 70.5 | 189 | 91 | 16 | 86 | 10 | 6 | 8 | 0.1 | .. | 64.4 | 148 | .. | .. | 460 | 364 | |
| Russian Federation | 68.3 | 66.8 | 417 | 99 | 88 | 93 | 70 | 3 | 13 | 1.1 | 62.3 | 83.3 | 126 | .. | .. | 454 | 310 | |
| Serbia and Montenegro | 70.2 | 73.2 | .. | 99 | 86 | 97 | 77 | 2 | 5 | 0.2 | 0.0 | 26.4 | 38 | .. | .. | 616 | 488 | |
| Slovakia | 70.6 | 73.7 | 325 | 100 | 100 | 100 | 100 | .. | .. | 0.1 | .. | 95.0 | 24 | .. | .. | 681 | 608 | |
| Slovenia | 71.2 | 76.3 | 219 | .. | .. | .. | .. | .. | .. | 0.1 | 0.0 | 96.3 | 21 | .. | .. | 1,545 | 1,157 | |
| Spain | 75.8 | 79.3 | 320 | .. | .. | .. | .. | .. | .. | 0.7 | 0.0 | 92.3 | 30 | .. | .. | 1,607 | 1,147 | |
| Sweden | 76.3 | 80.1 | 305 | 100 | 100 | 100 | 100 | .. | .. | 0.1 | 6.1 | 95.0 | 5 | .. | .. | 2,270 | 1,934 | |
| Switzerland | 76.2 | 79.1 | 352 | 100 | 100 | 100 | 100 | .. | .. | 0.4 | 8.3 | 95.0 | 8 | .. | .. | 3,322 | 1,897 | |
| Ukraine | 69.1 | 69.7 | 297 | 100 | 94 | 100 | 97 | 3 | 15 | 1.4 | 20.0 | <1.0 | 95 | .. | .. | 176 | 119 | |
| United Kingdom | 74.0 | 78.2 | 166 | 100 | .. | .. | .. | .. | .. | 0.2 | 20.5 | 92.1 | 12 | .. | .. | 1,989 | 1,635 | |
| Middle East & N. Africa | 59.2 | 67.9 | 121 | 94 | 73 | 90 | 51 | 15 | 23 | 0.2 | 43.8 | f | 65 | .. | .. | 302 | 174 | |
| Afghanistan | 40.0 | 43.1 | 19 | 19 | 11 | 16 | 5 | 48 | 52 | .. | .. | 0.0 | 333 | 1,621 | .. | 34 | 18 | |
| Algeria | 60.5 | 69.7 | 85 | 92 | 80 | 99 | 82 | 6 | 18 | 0.1 | 32.4 | .. | 52 | 1 | .. | 169 | 127 | |
| Egypt | 56.5 | 68.8 | 212 | 100 | 97 | 84 | 56 | 11 | 21 | 0.1 | 9.1 | .. | 29 | 0 | .. | 153 | 75 | |
| Iran, Islamic Rep | 59.7 | 70.3 | 105 | 98 | 83 | 86 | 78 | 11 | 15 | 0.1 | 72.2 | 100.0 | 29 | 32 | .. | 422 | 184 | |
| Iraq | 62.3 | 60.7 | 54 | 97 | 50 | 95 | 48 | 16 | 22 | 0.1 | .. | .. | 167 | 5 | .. | 97 | 31 | |
| Israel | 74.5 | | | | | | | | | | | | | | | | | |

Human Health 2005

| | Life Expectancy at Birth (years) | | Physicians Per 100,000 Population | Use of Improved Water Source (percent of population) | | Use of Improved Sanitation (percent of population) | | Malnutrition in Children Under Five (1995-2002) | | HIV and AIDS | | | Tuberculosis Incidence Rate Per 100,000 Population | Malaria | | Health Care Expenditures Per Capita (\$Intl) | | | |
|-----------------------------------|----------------------------------|-----------|-----------------------------------|--|------------|--|--------------|---|----------|---|------------------|---------------------------------------|--|--|--------------------|--|----|-------|-------|
| | 1980-1985 | 2000-2005 | | 2002 | 2002 | Urban | Rural | Under-weight | Stunting | Adults Ages 15-49 Living With HIV or AIDS | ART Use Rate (b) | Reported Cases Per 100,000 Population | | Percent of Children Under Age 5 Using Treated Bed Nets | Total Spending (c) | Government Spending | | | |
| | 2003 | 2003 | Urban | Rural | Prevalence | Prevalence | Percent 2003 | Change Since 2001 (a) | 2003 | 2003 | 2002 | 1998-2001 | 1999-2004 | 2001 | 2001 | | | | |
| | 2003 | 2003 | Urban | Rural | Prevalence | Prevalence | Percent 2003 | Change Since 2001 (a) | 2003 | 2003 | 2002 | 1998-2001 | 1999-2004 | 2001 | 2001 | | | | |
| Sub-Saharan Africa | 48.5 | 46.6 | 15 | 82 | 46 | 55 | 26 | 30 | 39 | 7.5 | 5.0 | f | .. | 359 | .. | 3.2 | g | 85 | 36 |
| Angola | 40.0 | 40.1 | 8 | 70 | 40 | 56 | 16 | 31 | 45 | 3.9 | 10.0 | .. | < 1.0 | 336 | 6,594 | 2.3 | .. | 70 | 44 |
| Benin | 49.2 | 50.6 | 6 | 79 | 60 | 58 | 12 | 23 | 31 | 1.9 | 5.1 | .. | 2.5 | 86 | 11,545 | 7.4 | .. | 39 | 18 |
| Botswana | 62.8 | 39.7 | 29 | 100 | 90 | 57 | 25 | 13 | 23 | 37.3 | 0.0 | .. | 7.9 | 657 | 2,836 | .. | .. | 381 | 252 |
| Burkina Faso | 46.1 | 45.7 | 4 | 82 | 44 | 45 | 5 | 34 | 37 | 4.2 | 8.0 | .. | 1.4 | 157 | 619 | 6.5 | .. | 27 | 16 |
| Burundi | 46.6 | 40.9 | 5 | 90 | 78 | 47 | 35 | 45 | 57 | 6.0 | 0.0 | .. | 1.9 | 359 | 43,505 | 1.3 | .. | 19 | 11 |
| Cameroon | 50.7 | 46.2 | 7 | 84 | 41 | 63 | 33 | 21 | 35 | 6.9 | 4.0 | .. | 1.5 | 188 | 2,900 | 1.3 | .. | 42 | 16 |
| Central African Rep | 46.5 | 39.5 | 4 | 93 | 61 | 47 | 12 | 24 | 39 | 13.5 | 4.3 | .. | < 1.0 | 338 | .. | 1.5 | .. | 58 | 30 |
| Chad | 42.3 | 44.7 | 3 | 40 | 32 | 30 | .. | 28 | 29 | 4.8 | 5.9 | .. | .. | 222 | 4,683 | 0.6 | .. | 17 | 13 |
| Congo | 56.8 | 48.2 | 25 | 72 | 17 | 14 | 2 | 14 | 19 | 4.9 | 0.0 | .. | .. | 395 | 5,880 | .. | .. | 22 | 14 |
| Congo, Dem Rep | 47.1 | 41.8 | 7 | 83 | .. | 43 | 23 | 31 | 38 | 4.2 | 5.3 | .. | 0.0 | 384 | 1,414 | 0.7 | .. | 12 | 5 |
| Côte d'Ivoire | 50.0 | 41.0 | 9 | .. | .. | 61 | 23 | 21 | 25 | 7.0 | 10.4 | .. | 2.7 | 412 | 2,449 | 1.1 | .. | 127 | 20 |
| Equatorial Guinea | 43.8 | 49.1 | 25 | 45 | 42 | 60 | 46 | 19 | 39 | .. | .. | .. | 6.8 | 191 | .. | 0.7 | .. | 106 | 64 |
| Eritrea | 43.3 | 52.7 | 3 | 72 | 54 | 34 | 3 | 44 | 38 | 2.7 | 0.0 | .. | < 1.0 | 268 | 5,648 | 4.2 | .. | 36 | 23 |
| Ethiopia | 42.7 | 45.5 | 3 | 81 | 11 | 19 | 4 | 47 | 52 | 4.4 | 16.7 | .. | < 1.0 | 370 | 621 | .. | .. | 14 | 6 |
| Gabon | 56.3 | 56.6 | 29 | 95 | 47 | 37 | 30 | 12 | 21 | 8.1 | 21.6 | .. | .. | 248 | 2,148 | .. | .. | 197 | 94 |
| Gambia | 44.1 | 54.1 | 4 | 95 | 77 | 72 | 46 | 17 | 19 | 1.2 | 0.0 | .. | 6.3 | 230 | 10,096 | 14.7 | .. | 78 | 39 |
| Ghana | 53.6 | 57.9 | 9 | 93 | 68 | 74 | 46 | 25 | 26 | 3.1 | 3.2 | .. | 1.8 | 211 | 17,143 | 4.5 | .. | 60 | 36 |
| Guinea | 40.2 | 49.1 | 9 | 78 | 38 | 25 | 6 | 23 | 26 | 3.2 | 30.0 | .. | .. | 215 | 75,386 | .. | .. | 61 | 33 |
| Guinea-Bissau | 39.1 | 45.3 | 17 | 79 | 49 | 57 | 23 | 25 | 30 | .. | .. | .. | .. | 196 | 2,421 | 7.4 | .. | 37 | 20 |
| Kenya | 55.7 | 44.6 | 13 | 89 | 46 | 56 | 43 | 21 | 35 | 6.7 | (8.3) | .. | 3.0 | 540 | 545 | 4.6 | .. | 114 | 24 |
| Lesotho | 52.0 | 35.1 | 5 | 88 | 74 | 61 | 32 | 18 | 46 | 28.9 | 0.0 | .. | < 1.0 | 726 | .. | .. | .. | 101 | 80 |
| Liberia | 44.9 | 41.4 | 2 | 72 | 52 | 49 | 7 | 26 | 39 | 5.9 | 20.0 | .. | .. | 247 | 26,699 | .. | .. | 127 | 96 |
| Madagascar | 48.0 | 53.6 | 9 | 75 | 34 | 49 | 27 | 33 | 49 | 1.7 | 32.7 | .. | .. | 234 | .. | 0.2 | .. | 20 | 13 |
| Malawi | 45.7 | 37.5 | 5 | 96 | 62 | 66 | 42 | 25 | 49 | 14.2 | 5.2 | .. | 1.8 | 431 | 20,080 | 35.5 | .. | 39 | 14 |
| Mali | 44.4 | 48.6 | 4 | 76 | 35 | 59 | 38 | 33 | 38 | 1.9 | 0.0 | .. | 2.5 | 334 | 741 | 8.4 | .. | 30 | 12 |
| Mauritania | 47.4 | 52.5 | 14 | 63 | 45 | 64 | 9 | 32 | 35 | 0.6 | 50.8 | .. | .. | 188 | 9,724 | 4.1 | .. | 45 | 33 |
| Mozambique | 42.8 | 38.1 | 2 | 76 | 24 | 51 | 14 | 26 | 44 | 12.2 | 9.1 | .. | 0.0 | 436 | 19,842 | .. | .. | 47 | 32 |
| Namibia | 55.2 | 44.3 | 30 | 98 | 72 | 66 | 14 | 24 | 24 | 21.3 | 5.3 | .. | 0.0 | 751 | 1,502 | 3.4 | .. | 342 | 232 |
| Niger | 40.7 | 46.2 | 3 | 80 | 36 | 43 | 4 | 40 | 40 | 1.2 | 25.5 | .. | .. | 193 | 1,693 | 5.8 | .. | 22 | 9 |
| Nigeria | 48.1 | 51.5 | 27 | 72 | 49 | 48 | 30 | 36 | 43 | 5.4 | 6.5 | .. | 1.5 | 304 | 30 | 1.2 | .. | 31 | 7 |
| Rwanda | 46.1 | 39.3 | 2 | 92 | 69 | 56 | 38 | 27 | 41 | 5.1 | 4.5 | .. | < 1.0 | 389 | 6,510 | 5 | .. | 44 | 24 |
| Senegal | 46.3 | 52.9 | 8 | 90 | 54 | 70 | 34 | 23 | 25 | 0.8 | 7.9 | .. | < 1.0 | 242 | 11,925 | 1.7 | .. | 63 | 37 |
| Sierra Leone | 35.3 | 34.2 | 7 | 75 | 46 | 53 | 30 | 27 | 34 | .. | .. | .. | 0.0 | 405 | 8,943 | 1.5 | .. | 26 | 16 |
| Somalia | 43.0 | 47.9 | 4 | 32 | 27 | 47 | 14 | 26 | 23 | .. | .. | .. | .. | 405 | 118 | 0.3 | .. | 15 | 7 |
| South Africa | 57.7 | 47.7 | 69 | 98 | 73 | 86 | 44 | 12 | 25 | 21.5 | 6.3 | .. | 0.0 | 558 | 61 | .. | .. | 652 | 270 |
| Sudan | 49.1 | 55.6 | 16 | 78 | 64 | 50 | 24 | 17 | .. | 2.3 | 26.7 | .. | < 1.0 | 217 | 12,530 | 0.4 | .. | 39 | 7 |
| Tanzania, United Rep | 51.0 | 43.3 | 2 | 92 | 62 | 54 | 41 | 29 | 44 | 8.8 | 7.1 | .. | < 1.0 | 363 | 1,207 | 2.1 | .. | 26 | 12 |
| Togo | 50.2 | 49.7 | 6 | 80 | 36 | 71 | 15 | 25 | 22 | 4.1 | 2.1 | .. | .. | 361 | 9,273 | 2 | .. | 45 | 22 |
| Uganda | 47.2 | 46.2 | 5 | 87 | 52 | 53 | 39 | 23 | 39 | 4.1 | (13.5) | .. | 6.3 | 377 | 46 | 0.2 | .. | 57 | 33 |
| Zambia | 52.0 | 32.4 | 7 | 90 | 36 | 68 | 32 | 28 | 47 | 16.5 | 3.8 | .. | 0.0 | 668 | 18,877 | 6.5 | .. | 52 | 28 |
| Zimbabwe | 59.6 | 33.1 | 6 | 100 | 74 | 69 | 51 | 13 | 27 | 24.6 | 0.0 | .. | 0.0 | 683 | 5,410 | .. | .. | 142 | 64 |
| North America | 74.2 | 77.3 | 516 | 100 | 100 | 100 | 100 | 1 | 2 | 0.6 | 5.3 | f | .. | 5 | .. | .. | .. | 4,683 | 2,151 |
| Canada | 75.9 | 79.3 | 209 | 100 | 99 | 100 | 99 | .. | .. | 0.3 | 14.6 | .. | .. | 6 | .. | .. | .. | 2,792 | 1,977 |
| United States | 74.0 | 77.1 | 549 | 100 | 100 | 100 | 100 | 1 | 2 | 0.6 | 5.6 | .. | .. | 5 | .. | .. | .. | 4,887 | 2,170 |
| C. America & Caribbean | 66.1 | 71.5 | 181 | 97 | 76 | 87 | 47 | 10 | 20 | 0.8 | 9.8 | .. | .. | 54 | .. | .. | .. | 428 | 202 |
| Belize | 71.2 | 71.4 | 105 | 100 | 82 | 71 | 25 | 6 | .. | 2.4 | 25.0 | .. | 7.7 | 55 | 475 | .. | .. | 278 | 125 |
| Costa Rica | 73.5 | 78.1 | 173 | 100 | 92 | 89 | 97 | 5 | 6 | 0.6 | 9.1 | .. | .. | 15 | 33 | .. | .. | 562 | 385 |
| Cuba | 73.4 | 76.7 | 591 | 95 | 78 | 99 | 95 | 4 | 5 | 0.1 | 3.1 | .. | .. | 12 | .. | .. | .. | 229 | 197 |
| Dominican Rep | 62.8 | 66.7 | 188 | 98 | 85 | 67 | 43 | 5 | 6 | 1.7 | (2.3) | .. | 0.0 | 95 | 12 | .. | .. | 353 | 127 |
| El Salvador | 56.6 | 70.7 | 124 | 91 | 68 | 78 | 40 | 12 | 23 | 0.7 | 16.7 | .. | .. | 60 | 6 | .. | .. | 376 | 176 |
| Guatemala | 58.0 | 65.8 | 90 | 99 | 92 | 72 | 52 | 24 | 46 | 1.1 | 13.8 | .. | 46.0 | 77 | 307 | 1.2 | .. | 199 | 96 |
| Haiti | 51.8 | 49.5 | 25 | 91 | 59 | 52 | 23 | 17 | 23 | 5.6 | 8.3 | .. | .. | 319 | 119 | .. | .. | 56 | 30 |
| Honduras | 60.8 | 68.9 | 83 | 99 | 82 | 89 | 52 | 17 | 29 | 1.8 | 22.9 | .. | < 1.0 | 86 | 365 | .. | .. | 153 | 81 |
| Jamaica | 71.2 | 75.7 | 85 | 98 | 87 | 90 | 68 | 6 | 6 | 1.2 | 50.0 | .. | < 1.0 | 8 | .. | .. | .. | 253 | 107 |
| Mexico | 67.5 | 73.4 | 171 | 97 | 72 | 90 | 39 | 8 | 18 | 0.3 | 6.7 | .. | 92.0 | 33 | 5 | .. | .. | 544 | 241 |
| Nicaragua | 59.3 | 69.5 | 164 | 93 | 65 | 78 | 51 | 10 | 20 | 0.2 | 12.7 | .. | 0.0 | 64 | 201 | .. | .. | 158 | 77 |
| Panama | 70.5 | 74.7 | 168 | 99 | 79 | 89 | 51 | 7 | 14 | 0.9 | 36.4 | .. | .. | 47 | 32 | .. | .. | 458 | 316 |
| Trinidad and Tobago | 70.2 | 71.3 | 79 | 92 | 88 | 100 | 100 | 7 | 5 | 3.2 | 7.7 | .. | < 1.0 | 13 | .. | .. | .. | 388 | 168 |
| South America | 64.8 | 70.2 | 190 | 95 | 64 | 83 | 42 | 6 | 14 | 0.6 | 14.8 | .. | .. | 72 | .. | .. | .. | 551 | 264 |
| Argentina | 70.0 | 74.2 | 301 | 97 | .. | .. | .. | 5 | 12 | 0.7 | 0.0 | .. | 91.2 | 46 | 1 | .. | .. | 1,130 | 603 |
| Bolivia | 53.9 | 63.9 | 73 | 95 | 68 | 58 | 23 | 10 | 26 | 0.1 | 20.0 | .. | < 1.0 | 234 | 185 | .. | .. | 125 | 83 |
| Brazil | 63.0 | 68.1 | 206 | 96 | 58 | 83 | 35 | 6 | 11 | 0.7 | 4.8 | .. | 100.0 | 62 | 225 | .. | .. | 573 | 238 |
| Chile | 70.6 | 76.1 | 109 | 100 | 59 | 96 | 64 | 1 | 2 | 0.3 | 4.0 | .. | .. | 18 | .. | .. | .. | 792 | 348 |
| Colombia | 66.6 | 72.2 | 135 | 99 | 71 | 96 | 54 | 7 | 14 | 0.7 | 50.0 | .. | .. | 45 | 482 | 0.7 | .. | 356 | 234 |
| Ecuador | 64.3 | 70.8 | 148 | 92 | 77 | 80 | 59 | 15 | 27 | 0.3 | 5.3 | .. | .. | 137 | 846 | .. | .. | 177 | 89 |
| Guyana | 61.0 | 63.2 | 48 | 83 | 83 | 86 | | | | | | | | | | | | | |

DEFINITIONS AND METHODOLOGY

Life Expectancy at Birth is the average number of years that a newborn baby is expected to live if the age-specific mortality rates effective at the year of birth apply throughout his or her lifetime.

Physicians per 100,000 Population indicates the density of doctors in a country. "Physician" includes graduates of a faculty or school of medicine who are working in any medical field (including teaching, research, and practice).

Improved Water Source includes any of the following types of drinking water sources: household connections, public standpipes, boreholes, protected dug wells, protected springs, and rainwater collection. To be counted, at least 20 liters per person per day of improved water must be available within one kilometer of a user's dwelling. Examples of unimproved water sources include unprotected wells and springs, vendor-provided water, tanker-provided water, and bottled water. These last examples are considered "unimproved" because they are not consistently available in sufficient quantities. **Improved Sanitation** includes any of the following excreta disposal facilities: connection to a public sewer, connection to a septic tank, pour-flush latrine, simple pit latrine, and ventilated improved pit latrine. Examples of an unimproved sanitation system include open pit latrines, public or shared latrines, and service or bucket latrines.

Data were collected from assessment questionnaires and household surveys and plotted on a graph for each country to show coverage in available years (not necessarily 2002). A trend line was drawn and reviewed by a panel of experts from WHO and UNICEF to determine the level of sanitation and water available in 2002.

Underweight Prevalence, an indicator of malnutrition, refers to the proportion of children under five years of age whose weight-for-age is more than two standard deviations (for moderate underweight) or more than three standard deviations (for severe underweight) below the median weight-for-age of a reference population. **Stunting prevalence**, an indicator of chronic malnutrition, refers to the percentage of children under five whose height-for-age is more than two (moderate stunting) and three (severe stunting) standard deviations from the median of the reference population.

Malnutrition data were obtained from Multiple Indicator Cluster Surveys (MICS), Demographic and Health Surveys (DHS), and other national-level surveys. Where possible, only comprehensive or representative national data have been used.

Adults Ages 15-49 Living With HIV or AIDS is the estimated percentage of people aged 15-49 living with HIV/AIDS. **Change Since 2001** measures the percent change in the total population infected with AIDS or HIV between 2001 and 2003. These estimates include all people with HIV infection, whether or not they have developed symptoms of AIDS, who are alive at the end of the year specified. Data for this age group captures those in their most sexually active years. Measuring infection within this age range also allows greater comparability for populations with different age structures. Estimates for a single point in time and the starting date of the epidemic were used to plot an epidemic curve charting the spread of HIV in a particular country.

Antiretroviral Therapy (ART) Use Rate is the estimated percentage of adults with advanced HIV infection receiving antiretroviral therapy. This therapy can dramatically reduce HIV-related mortality and improve the quality of life of those infected. The estimated number of people receiving treatment is determined by national program-monitoring reports or estimates from local WHO offices. The number of adults with advanced HIV infection is estimated by the Joint United Nations Programme on HIV/AIDS (UNAIDS) to be 15 percent of the total number of infected adults.

Tuberculosis Incidence Rate is the estimated number of new tuberculosis (TB) cases per 100,000 people in the year specified. The estimates include all cases (pulmonary, smear positive, and extrapulmonary). If left untreated, each person with an infectious case of TB will infect 10-15

people every year. It is estimated that TB caused 2 million deaths in 2002 and is now the leading cause of death in people infected with HIV. Data are collected by country using a standard collection form. Initial estimates are derived using surveys of the prevalence of infection and are then refined using a consultative and analytical process involving a panel of epidemiological experts at WHO.

Reported Malaria Cases is the total number of malaria cases reported to the WHO by countries in which malaria is endemic. Most countries report only laboratory confirmed cases, but some countries in Sub-Saharan Africa report clinically diagnosed cases as well. Transmitted to humans by the bite of an infected mosquito, malaria is one of the world's prevalent health crises, killing more than one million people annually. Data on malaria are collected from a variety of surveys, including Routine Health Information Systems (HIS), MICS, DHS, Demographic Surveillance Sites (DSS), and Rolling Back Malaria (RBM) baseline surveys

Percent of Children Under Age Five Using Treated Bed Nets is the percent of children under age five in each country that sleep under a net treated with an insecticide to ward off mosquitoes, a powerful method of preventing malaria infections. According to UNICEF, the majority of deaths from malaria occur in children under age 5. Data are obtained by UNICEF from DHS, MICS, and other national surveys.

Health Care Spending per Capita is defined as the sum of government and private expenditures on health, expressed on a per-person basis. The estimates are provided in international dollars, which minimizes the consequences of differing price levels among countries. **Government Health Spending** includes all public outlays reserved for the enhancement of the health status of the population and/or the distribution of medical care. Expenditures by all levels of government (national, regional, and local), extrabudgetary agencies, and external resources such as grants are included. The estimates for extrabudgetary expenditure on health include purchase of health goods and services by schemes that are compulsory and government-controlled. **Private Health Spending** is the sum of expenditures by prepaid plans and risk-pooling arrangements, public and private enterprises for medical care and health-enhancing benefits (outside of payment to social security), nonprofit institutions that primarily serve households, and household out-of-pocket spending. Per capita totals were calculated by WHO using population estimates from the Organization for Economic Co-operation and Development (OECD) and the United Nations Population Division. Information on government health expenditures are obtained from the OECD, the International Monetary Fund (IMF), national health-accounts reports, government finance data, statistical yearbooks, and public-finance reports. Information for private health expenditures are obtained from national health-accounts reports, statistical yearbooks and other periodicals, official web sites, reports from non-governmental organizations, household surveys, academic studies, government ministries, and professional and trade associations.

FREQUENCY OF UPDATE BY DATA PROVIDERS

Both the UN Population Division and the Joint United Nations Program on HIV/AIDS (UNAIDS) publish country-level statistics every two years with annual revisions of key estimates. UNICEF publishes the most recent available data each year. WHO publishes country-level statistics annually and updates the *Global Atlas of Infectious Diseases* database as new information becomes available.

DATA RELIABILITY AND CAUTIONARY NOTES

Life Expectancy: The United Nations Population Division (UNPD) estimates demographic parameters on a country-by-country basis, so data reliability varies among countries. In some developing countries, census data are not available or are incomplete, and estimates concerning population trends are derived from surveys. Although estimates are based on incomplete mortality data and projections cannot factor in unforeseen events (e.g., famine, wars), UN demographic models are widely accepted and use well-understood qualities, making these data fairly reliable.

Physicians per 100,000 population: Data reliability varies by country. Due to out-of-date health personnel records, some countries mistakenly include retired physicians or physicians no longer working in the health sector, resulting in overestimates. Also, this indicator speaks solely of the quantity of physicians, not the quality or accessibility of the personnel. It does not show the difference in urban and rural concentrations. The exact definition of “physician” may vary among countries. Some countries may include interns, physicians that are retraining, and those working in the private sector.

Improved Water Sources and Sanitation: These data have become more reliable as WHO and UNICEF shift from provider-based information (national census estimates) to consumer-based information (survey data). Nonetheless, estimates were calculated based on a wide variety of sources of disparate quality, and comparisons among countries should be made with care. Definitions of urban and rural are not consistent across countries. The assessment does not account for intermittent or poor quality of water supplies. WHO emphasizes that these data measure use of an *improved* water supply and excreta disposal system, but access to *sanitary* and *safe* systems cannot be adequately measured on a global scale.

Malnutrition in Children under Five: The data included for these variables cover a wide range of years and sources. Some data refer to periods other than 1995-2002, measure stunting or percentage underweight in a different age range than 0-5, or were collected for only part of a country. Since data are not available for more affluent countries, the regional totals reported here may be larger than the actual averages.

Adults Ages 15-49 Living with HIV or AIDS: While HIV surveillance systems are generally more extensive than those for other diseases, data reliability still varies on a country-by-country basis. The extent of uncertainty depends primarily on the type of epidemic – infection rates for generalized (high-level) epidemics are calculated differently from rates for concentrated (low-level) epidemics – and on the quality, coverage, and consistency of a country’s surveillance system. A detailed description of the methods, software, quality of data, and development of ranges for these data was published in the journal *Sexually Transmitted Infections* in July 2004.

Antiretroviral Therapy Use Rate: The data have been reviewed by UNAIDS and compared with other sources to consolidate validity. The reliability of the national data presented in national reports is dependent on the quality of information provided by the countries themselves. Some countries have very small or highly localized epidemics, so the rates presented here do not necessarily reflect national commitment and action. This indicator does not distinguish between the different types of therapy available nor does it measure the cost, quality, or effectiveness of the treatment. In certain settings, a system may not yet be in place to collect data from community-based organizations, private prescribers, and pharmacies. The estimated proportion of the total infected population with advanced HIV infection (currently 15 percent) may require revision, as the proportion varies according to the stage of the HIV epidemic and the coverage and effectiveness of ART.

Tuberculosis Incidence Rate: Data are reviewed at all levels of WHO, and WHO headquarters attempts to complete any missing responses and resolve any inconsistencies. The quality of the information provided by a particular country is dependent on the quality of its national surveillance system.

Reported Malaria Cases: Malaria infection-rate data are less accurate than estimates of HIV/AIDS or tuberculosis. Data may reflect only a fraction of the true number of malaria cases in a country because of incomplete reporting systems or incomplete coverage by health services, or both. Also, many malaria patients may seek treatment outside of the formal health sector. Case detection and reporting systems vary widely.

Health Care Spending: The estimates provided here should be considered the best estimates of WHO and not the official estimates of its member states. WHO has compared the data to a variety of sources, including inpatient care expenditure and pharmaceutical care expenditure, in an effort to ensure the plausibility of the estimates that have been collected. For further information on data collection and reliability, refer to the World Health Report methodology available at http://www.who.int/whr/2004/en/09_annexes_en.pdf.

SOURCES

Life Expectancy: United Nations Population Division (UNPD). 2003. *World Population Prospects: The 2002 Revision*. Dataset on CD-ROM. New York: United Nations. Online at <http://www.un.org/esa/population/ordering.htm>.

Health Care Spending: World Health Organization (WHO). 2004. *World Health Report*. Geneva: WHO. Online at http://www.who.int/whr/2004/en/09_annexes_en.pdf.

Tuberculosis Incidence Rate, Reported Malaria Cases, and Physicians per 100,000: World Health Organization (WHO). 2004. *Global Atlas of Infectious Diseases*. Geneva: WHO. Online at <http://globalatlas.who.int/GlobalAtlas/>.

Percent of Children Under Age 5 Using Treated Bed Nets: United Nations Children's Fund (UNICEF). 2005. *Childinfo.org*. New York: UNICEF. Online at <http://childinfo.org>.

Malnutrition in Children under five: United Nations Children's Fund (UNICEF). 2004. *State of the World's Children: Girls, Education, and Development*. New York: UNICEF. Online at <http://www.unicef.org/sowc04/>.

Use of Improved Water Sources and Sanitation: United Nation's Children's Fund (UNICEF) and World Health Organization (WHO). 2005. *Meeting the MDG Drinking Water and Sanitation Target: A Mid-Term Assessment of Progress*. New York: UNICEF. Online at http://www.unicef.org/wes/mdgreport/who_unicef_WESestimate.pdf).

Adults Ages 15-49 Living with HIV or AIDS: Joint United Nations Programme on HIV/AIDS (UNAIDS). 2004. *Report on the Global AIDS Epidemic*. Geneva, UNAIDS. Online at <http://www.unaids.org/bangkok2004/report.html>.

ART Use Rate: Joint United Nations Programme on HIV/AIDS (UNAIDS). 2003. *Progress Report on the Global Response to the HIV/AIDS Epidemic (Follow-up to the 2001 United Nations General Assembly Special Session on HIV/AIDS)*. Geneva: UNAIDS. Online at http://www.unaids.org/ungass/en/global/ungass00_en.htm.