

Largest urban agglomeration or Capital city : NAIROBI  
Official language: ENGLISH  
Surface area (square kms) : 580367  
Population density (per square km): 59

| DEMOGRAPHIC AND SOCIOECONOMICS STATISTICS <sup>a</sup> |                    |                    | YEARS     | KENYA  | WHO AFRICAN REGION |
|--|--------------------|--------------------|-----------|--------|--------------------|
| Population   | number             | (000)              | 2005      | 34 256 | 738 083            |
|  | annual growth rate | (%)                | 1995–2004 | 2.1    | 2.2                |
|  | in urban           | (%)                | 2005      | 42     | 38                 |
| Total fertility rate (per woman)                       |                    |                    | 2004      | 5.0    | 5.3                |
| Adolescent fertility proportion                        |                    | (%)                | 2002      | 11.7   | 11.7               |
| Adult literacy rate                                    |                    | (%)                | 2000–2004 | 73.6   | 60.1               |
| Net primary school enrolment ratio                     | Males              | (%)                | 1998–2004 | 66     | 70                 |
|  | Females            | (%)                |           | 66     | 63                 |
| Gross national income per capita                       |                    | (PPP Int.\$)       | 2004      | 1050   | 2 074              |
| Population living below the poverty line               |                    | (% with <\$1a day) | 1997      | 22.8   | 44                 |

... Data not available or not applicable.

<sup>a</sup> WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

| HEALTH STATUS STATISTICS MORTALITY <sup>a</sup>  |                              |  | YEARS | KENYA | WHO AFRICAN REGION |
|--|------------------------------|--|-------|-------|--------------------|
| Life expectancy at birth (years)   | Males                        |  | 2004  | 51    | 47                 |
| Life expectancy at birth (years)   | Females                      |  | 2004  | 50    | 49                 |
| Healthy life expectancy (HALE) at birth (years)  | Males                        |  | 2002  | 44    | 40                 |
| Healthy life expectancy (HALE) at birth (years)  | Females                      |  | 2002  | 45    | 42                 |
| Probability of dying per 1 000 population between 15 and 60 years (adult mortality rate) | Males                        |  | 2004  | 477   | 519                |
|  | Females                      |  | 2004  | 502   | 465                |
| Probability of dying per 1 000 live births under 5 years (under-5 mortality rate)        | Both sexes                   |  | 2004  | 120   | 167                |
| Infant mortality rate (per 1 000 live births)  | Both sexes                   |  | 2004  | 78    | 100                |
| Neonatal mortality rate (per 1 000 live births)  | Both sexes                   |  | 2000  | 29    | 43                 |
| Maternal mortality ratio (per 100 000 live births)                                       | Females                      |  | 2000  | 1000  | 910                |
|  | HIV/AIDS                     |  | 2003  | 458   | 313                |
| Cause-specific mortality rate (per 100 000 population) (Both sexes)                      | TB among HIV-negative people |  | 2004  | 90    | 53                 |
|  | TB among HIV-positive people |  | 2004  | 43    | 28                 |
| Age-standardized mortality rate by cause (per 100 000 population) (Both sexes)           | Non-communicable diseases    |  | 2002  | 782   | 800                |
|  | Cardio-vascular diseases     |  | 2002  | 401   | 404                |
|  | Cancer                       |  | 2002  | 139   | 144                |
|  | Injuries                     |  | 2002  | 95    | 133                |
| Years of life lost by broader causes (%) (Both sexes)                                    | Communicable diseases        |  | 2002  | 81    | 59                 |
|  | Non-communicable diseases    |  | 2002  | 11    | 10                 |
|  | Injuries                     |  | 2002  | 8     | 8                  |
| Causes of death among children under 5 years of age (%) (Both sexes)                     | Neonatal causes              |  | 2000  | 24.2  | 26.2               |
|  | HIV/AIDS                     |  | 2000  | 14.6  | 6.8                |
|  | Diarrhoeal diseases          |  | 2000  | 16.5  | 16.6               |
|  | Measles                      |  | 2000  | 3.2   | 4.3                |
|  | Malaria                      |  | 2000  | 13.6  | 17.5               |
|  | Pneumonia                    |  | 2000  | 19.9  | 21.1               |
|  | Injuries                     |  | 2000  | 2.7   | 1.9                |
|  | Other                        |  | 2000  | 5.3   | 5.6                |

... Data not available or not applicable.

<sup>a</sup> WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>



World Health Organization

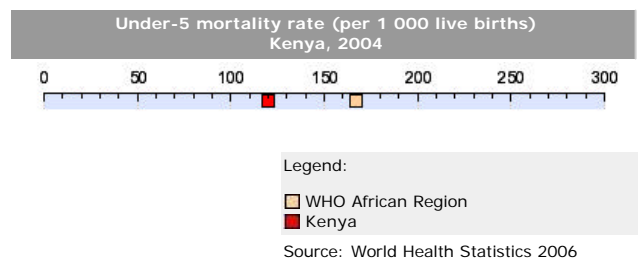
# Mortality Country Fact Sheet 2006

Kenya

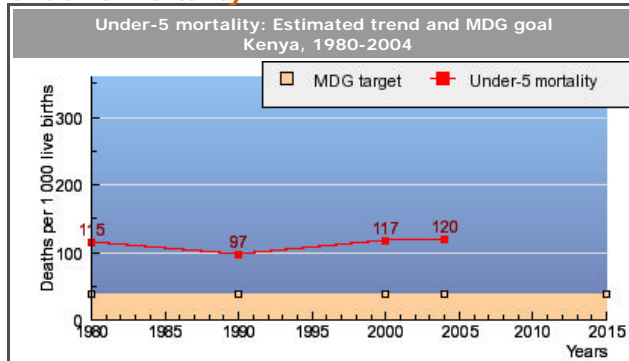


| Summary                                      | Year | Males | Females | Both sexes |
|--|------|-------|---------|------------|
| Population (millions)                        | 2005 | 17.2  | 17.1    | 34.3       |
| Life expectancy (years)                      | 2004 | 51    | 50      | 51         |
| Under-5 mortality (per 1 000 live births)    | 2004 | 129   | 110     | 120        |
| Adult mortality (per 1 000)                  | 2004 | 477   | 502     |            |
| Maternal mortality (per 100 000 live births) | 2000 |       | 1000    |            |

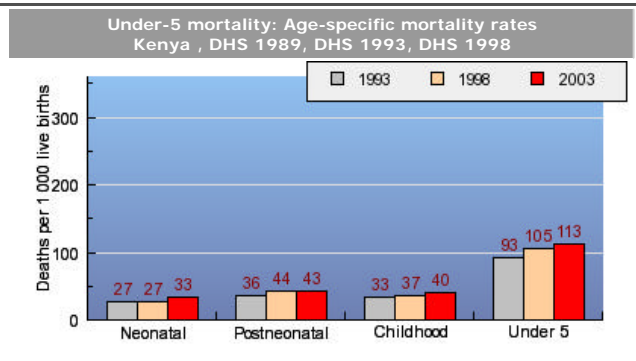
Source: World Health Statistics 2006



## Under-5 mortality



Source: i) WHO mortality database ii) World Health Statistics 2006

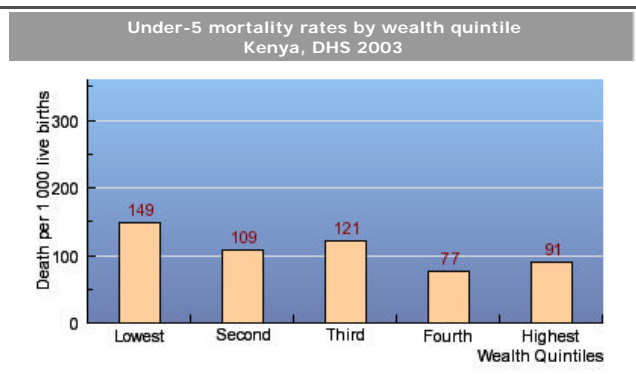


Note: rate for 5 years preceding the survey  
Source: DHS 1989, DHS 1993, DHS 1998

Under-5 mortality: for highest and lowest quintiles  
Kenya, DHS 2003

| Wealth/assets quintiles      | Lowest | Highest | Ratio |
|------------------------------|--------|---------|-------|
|                              | 149    | 91      | 1.6   |
| Sex                          |        |         |       |
| Males                        | 122    | 103     | 1.2   |
| Females                      | 117    | 94      | 1.3   |
| Urban/Rural                  |        |         |       |
| Rural                        | 117    | 94      | 1.3   |
| Urban                        | 127    | 63      | 2.0   |
| Mother's education quintiles |        |         |       |
| None                         | 127    | 63      | 2.0   |
| Higher                       |        |         |       |

Note: rate per 1 000 live births for 10-year period preceding the survey  
Source: DHS 2003



Note: rate for 10-year period preceding the survey  
Source: DHS 2003



World Health Organization

# Mortality Country Fact Sheet 2006

## Causes of death in children under-5

| Distribution of causes of death among children under 5 years of age Kenya, 2000-2003 |                         |                      | Annual estimated proportions of death by cause for neonates Kenya, 2000 |                         |                                   |
|--|-------------------------|----------------------|---|-------------------------|-----------------------------------|
| Causes   | Deaths <sup>b</sup> (%) | Regional average (%) | Causes  | Deaths <sup>c</sup> (%) | Regional average <sup>c</sup> (%) |
| Total neonatal deaths  | 100                     | 100                  | Total neonatal deaths   | 100                     | 100                               |
| Neonatal causes <sup>a</sup>   | 24                      | 26                   | Neonatal tetanus  | 3                       | 9                                 |
| HIV/AIDS   | 15                      | 7                    | Severe infection <sup>a</sup>   | 26                      | 27                                |
| Diarrhoeal diseases  | 16                      | 17                   | Birth asphyxia  | 28                      | 24                                |
| Measles  | 3                       | 4                    | Diarrhoeal diseases   | 2                       | 3                                 |
| Malaria  | 14                      | 17                   | Congenital anomalies  | 8                       | 6                                 |
| Pneumonia  | 20                      | 21                   | Preterm birth <sup>b</sup>  | 26                      | 23                                |
| Injuries   | 3                       | 2                    | Others  | 8                       | 7                                 |
| Others   | 5                       | 6                    |   |                         |                                   |

a. Includes diarrhoea during neonatal period  
b. Sum of individual proportions may not add up to 100% due to rounding.

a. Includes deaths from pneumonia, meningitis, sepsis/septicaemia and other infections during the neonatal period.  
b. Includes only deaths directly attributed to prematurity and to specific complications of preterm birth such as surfactant deficiency, but not all deaths in preterm infants.  
c. Sum of individual proportions may not equal 100% due to rounding.

## Causes of Death

| Top ten causes of death, all ages Kenya, 2002 |        |     |                        |
|---|--------|-----|------------------------|
| Causes  | Deaths |     | Years of Life Lost (%) |
|   | (000)  | (%) |                        |
| All causes                                    | 376    | 100 | 100                    |
| HIV/AIDS                                      | 144    | 38  | 40                     |
| Lower respiratory infections                  | 37     | 10  | 11                     |
| Diarrhoeal diseases                           | 24     | 7   | 8                      |
| Tuberculosis                                  | 19     | 5   | 5                      |
| Malaria                                       | 18     | 5   | 6                      |
| Cerebrovascular disease                       | 14     | 4   | 1                      |
| Ischaemic heart disease                       | 13     | 4   | 1                      |
| Perinatal conditions                          | 13     | 4   | 5                      |
| Road traffic accidents                        | 7      | 2   | 2                      |
| Chronic obstructive pulmonary disease         | 6      | 2   | 1                      |

Source: [Death and DALY estimates by cause, 2002](http://www.who.int/entity/healthinfo/statistics/bodgbddeathdalyestimates.xls)  
<http://www.who.int/entity/healthinfo/statistics/bodgbddeathdalyestimates.xls>

**Life expectancy at birth among males (years) Kenya, 2004**

**Life expectancy at birth among females (years) Kenya, 2004**

**Maternal mortality ratio (per 100 000 live births) Kenya, 2000**

Legend:  
 WHO African Region  
 Kenya

Source: World Health Statistics 2006

| HEALTH STATUS STATISTICS MORBIDITY <sup>a</sup> |            | YEARS | KENYA | WHO AFRICAN REGION |
|---|------------|-------|-------|--------------------|
| HIV prevalence among adults (15 - 49) (%)       | Both sexes | 2003  | 6.7   | 7.1                |
| TB prevalence (per 100 000 population)          | Both sexes | 2004  | 888   | 518                |
| TB incidence (per 100 000 population)           | Both sexes | 2004  | 619   | 356                |
| Number of confirmed polio cases                 | Both sexes | 2005  | 0     | 854                |

... Data not available or not applicable.

<sup>a</sup> WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

| BEHAVIOUR AND ENVIRONMENTAL RISK FACTORS <sup>a</sup>  |            | YEARS     | KENYA | WHO AFRICAN REGION |
|--|------------|-----------|-------|--------------------|
| Non-communicable diseases - Infobase for th See ---> <a href="http://www.afro.who.int/dnc/infobase/Kenya.pdf">http://www.afro.who.int/dnc/infobase/Kenya.pdf</a> |            |           |       |                    |
| Children under-5 stunted for age (Both sexes) (%)  |            | 2003      | 30.3  | ...                |
| Children under-5 underweight for age (Both sexes) (%)  |            | 2003      | 19.9  | ...                |
| Children under-5 overweight for age (Both sexes) (%)   |            | 2003      | 3.7   | ...                |
| Newborns with low birth weight (Both sexes) (%)  |            | 2000-2002 | 11    | 14                 |
| Adults (≥15) who are obese (%)   | Males      | 2003      | ...   | ...                |
|  | Females    | 2003      | 6.3   | ...                |
| Access to improved water sources (%)   | Urban      | 2002      | 89    | 84                 |
|  | Rural      | 2002      | 46    | 45                 |
| Access to improved sanitation (%)  | Urban      | 2002      | 56    | 58                 |
|  | Rural      | 2002      | 43    | 28                 |
| Population using solid fuels (%)   | Urban      | 2003      | 17    | ...                |
|  | Rural      | 2003      | 94    | ...                |
| Prevalence of current tobacco use (%) Adolescents (13 - 15)  | Both sexes | 2001      | 12.7  | ...                |
| Prevalence of current tobacco use (%) Adults (≥15)   | Males      | 2003      | 27.2  | ...                |
|  | Females    | 2003      | 1.9   | ...                |
| Condom use by young people (15 - 24) at higher risk sex (%)  | Males      | 2003      | 47    | ...                |
|  | Females    | 2003      | 25    | ...                |

... Data not available or not applicable.

<sup>a</sup> WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

| HEALTH SERVICES COVERAGE STATISTICS <sup>a</sup>                         |                   |     | YEARS       | KENYA | WHO<br>AFRICAN<br>REGION |
|--|-------------------|-----|-------------|-------|--------------------------|
| Immunization coverage among 1-year-olds                                  | Measles           | (%) | 2004        | 73    | 66                       |
|  | DTP3              | (%) | 2004        | 73    | 66                       |
|  | HepB3             | (%) | 2004        | 73    | 35                       |
| Antenatal care coverage  | At least 1 visit  | (%) | 2003        | 88    | ...                      |
|  | At least 4 visits | (%) | 2003        | 52    | ...                      |
| Births attended by skilled health personnel                              |                   | (%) | 2003        | 42    | ...                      |
| Contraceptive prevalence rate  |                   | (%) | 2003        | 39.3  | ...                      |
| Children under-5 sleeping under insecticide-treated nets                 |                   | (%) | 2003        | 4.6   | ...                      |
| Antiretroviral therapy coverage  |                   | (%) | Dec 2005    | 24    | 17                       |
| TB detection rate under DOTS   |                   | (%) | 2004        | 46    | 48                       |
| TB detection treatment success DOTS                                      |                   | (%) | 2003 cohort | 80    | 72                       |
| Children under-5 with ARI symptoms taken to facility                     |                   | (%) | 2003        | 49.1  | ...                      |
| Children under-5 with diarrhoea receiving ORT                            |                   | (%) | 2003        | 34.2  | ...                      |
| Children under-5 with fever who received treatment with any antimalarial |                   | (%) | 2003        | 26.5  | ...                      |
| Children 6-59 months who received vitamin A supplementation              |                   | (%) | 2002        | 91.4  | ...                      |
| Births by Caesarean section  |                   | (%) | 2003        | 4     | ...                      |

... Data not available or not applicable.

<sup>a</sup> WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

| HEALTH SYSTEMS STATISTICS <sup>a</sup>   |                  | YEARS | KENYA  |
|--|------------------|-------|--------|
| Physicians   | Number           | 2004  | 4 506  |
|  | Density          | 2004  | 0.14   |
| Nurses   | Number           | 2004  | 37 113 |
|  | Density per 1000 | 2004  | 1.14   |
| Midwives   | Number           | ...   | ...    |
|  | Density per 1000 | ...   | ...    |
| Dentists   | Number           | 2004  | 1 340  |
|  | Density per 1000 | 2004  | 0.04   |
| Pharmacists  | Number           | 2004  | 3 094  |
|  | Density per 1000 | 2004  | 0.10   |
| Public and environmental health workers  | Number           | 2004  | 6 496  |
|  | Density per 1000 | 2004  | 0.20   |
| Community Health workers   | Number           | ...   | ...    |
|  | Density per 1000 | ...   | ...    |
| Lab technicians  | Number           | 2004  | 7 000  |
|  | Density per 1000 | 2004  | 0.22   |
| Other health workers   | Number           | 2004  | 5 610  |
|  | Density per 1000 | 2004  | 0.17   |
| Health management and support workers  | Number           | 2004  | 1 797  |
|  | Density per 1000 | 2004  | 0.06   |
| Total expenditure on health as % of gross domestic product                             |                  | 2003  | 4.3    |
| General government expenditure on health as % of total expenditure on health           |                  | 2003  | 38.7   |
| Private expenditure on health as % of total expenditure on health                      |                  | 2003  | 61.3   |
| General government expenditure on health as % of total government expenditure          |                  | 2003  | 7.2    |
| External resources for health as % of total expenditure on health                      |                  | 2003  | 15.3   |
| Social security expenditure on health as % of general government expenditure on health |                  | 2003  | 10.0   |
| Out-of-pocket expenditure as % of private expenditure on health                        |                  | 2003  | 82.6   |
| Private prepaid plans as % of private expenditure on health                            |                  | 2003  | 6.0    |
| Per capita total expenditure on health at average exchange rate (US\$)                 |                  | 2003  | 20     |
| Per capita total expenditure on health at international dollar rate                    |                  | 2003  | 65     |
| Per capita government expenditure on health at average exchange rate (US\$)            |                  | 2003  | 8      |
| Per capita government expenditure on health at international dollar rate               |                  | 2003  | 25     |
| Coverage of vital registration of deaths(%)  |                  | 1999  | <10    |
| Hospital beds (per 10 000)   |                  | ...   | ...    |

... Data not available or not applicable.

<sup>a</sup> WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

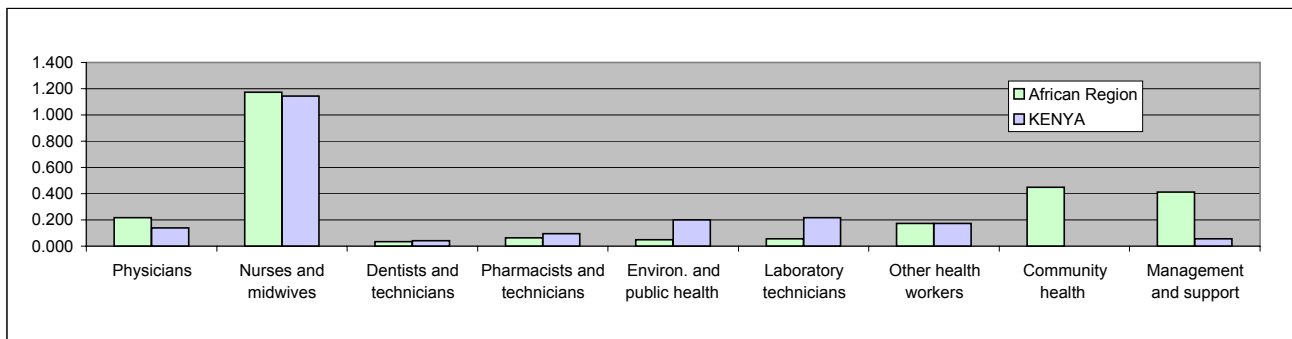
HUMAN RESOURCES FOR HEALTH

Country Fact Sheet Kenya

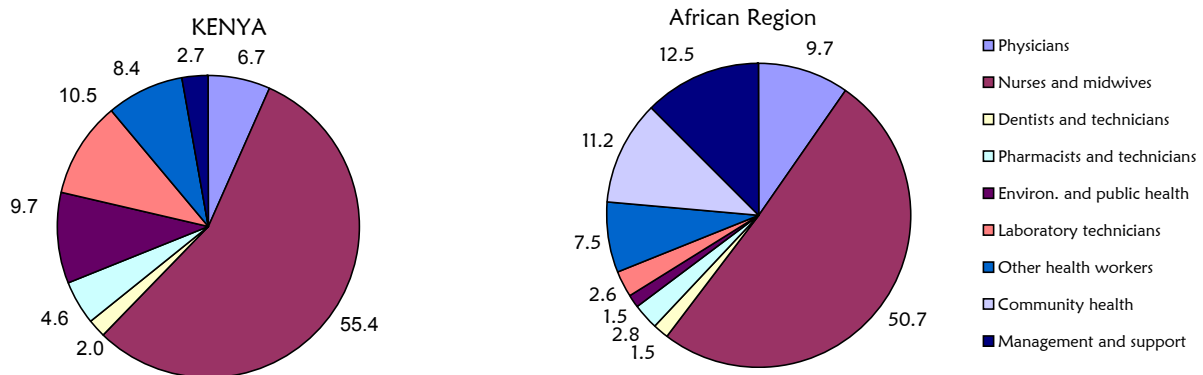
Total numbers and densities of the health workforce in KENYA (2002)

|   | Total number KENYA | Density per 1000 KENYA | Density per 1000 AFRO |
|---|--------------------|------------------------|-----------------------|
| Physicians                              | 4506               | 0.139                  | 0.217                 |
| Nurses and midwives                     | 37113              | 1.145                  | 1.172                 |
| Dentists and technicians                | 1340               | 0.041                  | 0.035                 |
| Pharmacists and technicians             | 3094               | 0.095                  | 0.063                 |
| Environmental and public health workers | 6496               | 0.200                  | 0.049                 |
| Laboratory technicians                  | 7000               | 0.216                  | 0.057                 |
| Other health workers                    | 5610               | 0.173                  | 0.173                 |
| Community health workers                | n.a.               | n.a.                   | 0.449                 |
| Health management and support           | 1797               | 0.055                  | 0.411                 |
| Sum total                               | 66956              | 2.065                  | 2.626                 |

Densities of health workers in KENYA and in the African Region per 1000 population



Distribution of health workforce by cadre



| MILLENNIUM DEVELOPMENT GOALS <sup>a</sup>  | YEARS | KENYA | WHO AFRICAN REGION |
|--|-------|-------|--------------------|
| <b>GOAL 1: ERADICATE EXTREME POVERTY AND HUNGER</b>  |       |       |                    |
| 4. Prevalence of underweight children under five years of age  | 2000  | 20    | 26                 |
| 5. Proportion of population below minimum level of dietary energy consumption                                | ...   | ...   | ...                |
| <b>GOAL 4: REDUCE CHILD MORTALITY</b>  |       |       |                    |
| 13. Under-five mortality rate (per 1000 live births, %)  | 1990  | 97    | ...                |
|  | 2003  | 123   | 171                |
|  | 2004  | 120   | 167                |
| 14. Infant mortality rate (per 1000 live births, %)  | 1990  | 62    | ...                |
|  | 2003  | 79    | ...                |
|  | 2004  | 78    | 100                |
| 15. Proportion of one-year-old children immunized against measles, %   | 2003  | 72    | 63                 |
|  | 2004  | 73    | 66                 |
| <b>GOAL 5: IMPROVE MATERNAL HEALTH</b>   |       |       |                    |
| 16. Maternal mortality ratio (per 100 000 live births)   | 1990  | 650   | ...                |
|  | 1995  | 1300  | ...                |
|  | 2000  | 1000  | 990                |
|  | 2003  | ...   | ...                |
|  | 2004  | ...   | ...                |
| 17. Proportion of births attended by skilled health personnel  | 2000  | 42    | 43                 |
| <b>GOAL 6: COMBAT HIV/AIDS, MALARIA AND OTHER DISEASES</b>   |       |       |                    |
| 18. HIV prevalence among pregnant women aged 15-24   | ...   | ...   | ...                |
| - HIV prevalence among adults (15-49) %, both sexes  | 2003  | 6.7   | 7.1                |
| 19. Condom use rate of the contraceptive prevalence rate   | ...   | ...   | ...                |
| - Contraceptive prevalence rate  | 2000  | 39.3  | ...                |
| 20. Number of children orphaned by HIV/AIDS  | ...   | ...   | ...                |
| 21. Prevalence rate associated with malaria  | ...   | ...   | ...                |
| - Death rates associated with malaria (per 100 000)  | 2000  | 67    | ...                |
| 22. Proportion of population in malaria-risk areas using effective malaria prevention and treatment measures | ...   | ...   | ...                |
| 23. Prevalence rate associated with tuberculosis (per 100 000)   | 1990  | 167   | 317                |
|  | 2000  | 462   | ...                |
|  | 2004  | 888   | 518                |
| - Death rates associated with tuberculosis   | 1990  | 22    | 41                 |
|  | 2000  | 49    | ...                |
|  | 2004  | 133   | 81                 |
| 24. Proportion of tuberculosis cases detected under DOTS   | 2003  | 46    | 50                 |
|  | 2004  | 46    | 48                 |
| - Proportion of tuberculosis cases cured under DOTS  | 2002  | 79    | 73                 |
|  | 2003  | 80    | 72                 |
| <b>GOAL 7: ENSURE ENVIRONMENTAL SUSTAINABILITY</b>   |       |       |                    |
| 29. Proportion of population using solid fuels   | 2002  | 81    | 76                 |
| 30. Proportion of population with sustainable access to improved water source, urban                         | 2002  | 89    | 84                 |
| - Proportion of population with sustainable access to improved water source, rural                           | 2002  | 46    | 45                 |
| 31. Proportion of urban population with access to improved sanitation  | 2002  | 56    | 58                 |
| - Proportion of rural population with access to improved sanitation  | 2002  | 43    | 28                 |
| <b>GOAL 8: DEVELOP A GLOBAL PARTNERSHIP FOR DEVELOPMENT</b>  |       |       |                    |
| 46. Proportion of population with access to affordable essential drugs on a sustainable basis                | ...   | ...   | ...                |

... Data not available or not applicable.

<sup>a</sup> THE WORLD HEALTH REPORT 2004 UPDATED WITH THE WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

