

**WHO / UNICEF**

**Joint Monitoring Programme**  
for Water Supply and Sanitation

Estimates for the use of

**Improved Drinking-Water Sources  
and Improved Sanitation Facilities**

Updated March 2010

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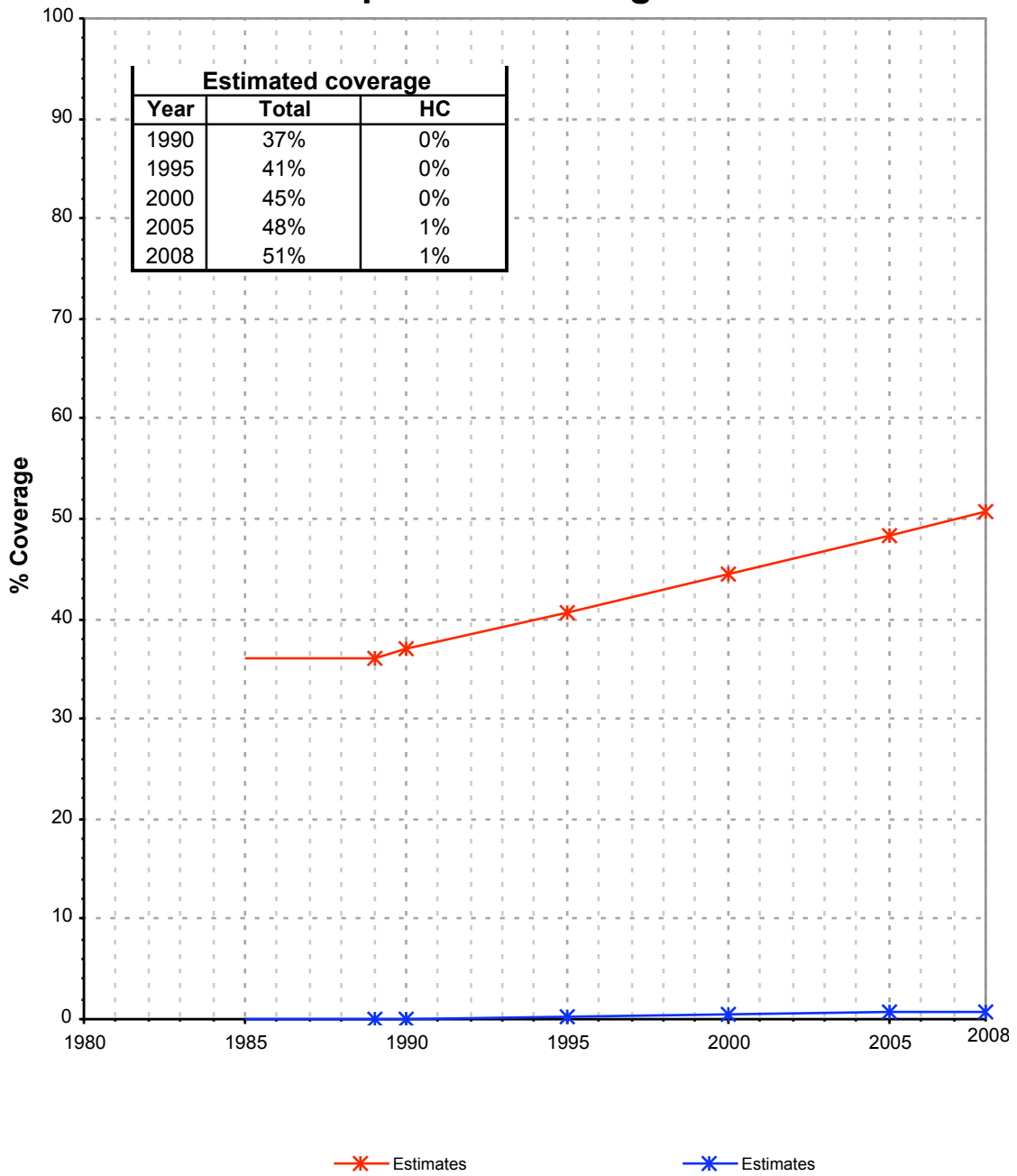
| Access to drinking water sources  |  | CEN91 |       |       | Guinea-Bissau  |  |       | Access to drinking water sources   |       | JMP99  |  |       | Guinea-Bissau |       |  |
|---|--|-------|-------|-------|--|--|-------|--|-------|--|--|-------|---------------|-------|--|
| National census 1991  |  |       |       |       | 1991   |  |       | Global Water Supply and Sanitation Assessment 2000.                          |       |  |  |       | 1999          |       |  |
| as recorded on the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. |  |       |       |       |  |  |       | Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO. |       |  |  |       |               |       |  |
| Original denomination   | Classification                         | Urban | Rural | Total | Original denomination  | Classification                         | Urban | Rural  | Total | Original denomination                              | Classification                         | Urban | Rural         | Total |  |
|   | <b>Tap water</b>                       | 24.1  | 0.0   |       |  | <b>Tap water</b>                       | 20.5  | 0.0  |       |  | <b>Tap water</b>                       | 20.5  | 0.0           |       |  |
|   | House connections                      | 9.7   | 0.0   |       | Population served with household connection                                    | House connections                      |       |  |       |  | House connections                      |       |               |       |  |
| Household connection  | Piped water into dwelling              | 9.0   | 0.0   |       |  | Piped water into dwelling              |       |  |       |  | Piped water into dwelling              |       |               |       |  |
| Private piped connection  | Piped water to yard/plot               | 0.7   | 0.0   |       |  | Piped water to yard/plot               |       |  |       |  | Piped water to yard/plot               |       |               |       |  |
| Public standpipe  | Public tap, standpipe                  | 3.9   | 0.0   |       |  | Public tap, standpipe                  |       |  |       |  | Public tap, standpipe                  |       |               |       |  |
| Use of neighbour's connection   | Other                                  | 10.5  | 0.0   |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | <b>Ground water</b>                    | 4.2   | 36.2  |       | Population without household connection but with reasonable access to a public | <b>Ground water</b>                    | 8.0   | 55.0   |       |  | <b>Ground water</b>                    | 8.0   | 55.0          |       |  |
|   | Protected ground water                 | 4.2   | 36.2  |       |  | Protected ground water                 | 8.0   | 55.0   |       |  | Protected ground water                 | 8.0   | 55.0          |       |  |
|   | Unprotected ground water               |       |       |       |  | Unprotected ground water               |       |  |       |  | Unprotected ground water               |       |               |       |  |
|   | Protected wells or springs             | 4.2   | 36.2  |       |  | Protected wells or springs             |       |  |       |  | Protected wells or springs             |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 | 0.8   | 0.0   |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  | 3.3   | 0.0   |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Unprotected wells or springs           |       |       |       |  | Unprotected wells or springs           |       |  |       |  | Unprotected wells or springs           |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 |       |       |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | <b>All wells</b>                       | 4.2   | 36.2  |       |  | <b>All wells</b>                       |       |  |       |  | <b>All wells</b>                       |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 | 0.8   | 0.0   |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  | 3.3   | 0.0   |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Tubewell, borehole                     | 4.2   | 0.0   |       |  | Tubewell, borehole                     |       |  |       |  | Tubewell, borehole                     |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 | 0.8   | 0.0   |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  | 3.3   | 0.0   |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
| Mechanical Borehole (electrical)  |  |       |       |       |  |  |       |  |       |  |  |       |               |       |  |
| Modern well   |  |       |       |       |  |  |       |  |       |  |  |       |               |       |  |
|   | <b>Traditional wells</b>               | 0.0   | 36.2  |       |  | <b>Traditional wells</b>               |       |  |       |  | <b>Traditional wells</b>               |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 |       |       |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Protected well                         | 0.0   | 36.2  |       |  | Protected well                         |       |  |       |  | Protected well                         |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 |       |       |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Unprotected well                       |       |       |       |  | Unprotected well                       |       |  |       |  | Unprotected well                       |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 |       |       |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | <b>All springs</b>                     |       |       |       |  | <b>All springs</b>                     |       |  |       |  | <b>All springs</b>                     |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 |       |       |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Protected spring                       |       |       |       |  | Protected spring                       |       |  |       |  | Protected spring                       |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 |       |       |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Unprotected spring                     |       |       |       |  | Unprotected spring                     |       |  |       |  | Unprotected spring                     |       |               |       |  |
|   | Private                                |       |       |       |  | Private                                |       |  |       |  | Private                                |       |               |       |  |
|   | Public                                 |       |       |       |  | Public                                 |       |  |       |  | Public                                 |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | <b>Rainwater</b>                       |       |       |       |  | <b>Rainwater</b>                       |       |  |       |  | <b>Rainwater</b>                       |       |               |       |  |
|   | Covered cistern/tank                   |       |       |       |  | Covered cistern/tank                   |       |  |       |  | Covered cistern/tank                   |       |               |       |  |
|   | Uncovered cistern/tank                 |       |       |       |  | Uncovered cistern/tank                 |       |  |       |  | Uncovered cistern/tank                 |       |               |       |  |
|   | <b>Bottled water</b>                   |       |       |       |  | <b>Bottled water</b>                   |       |  |       |  | <b>Bottled water</b>                   |       |               |       |  |
|   | with other improved                    |       |       |       |  | with other improved                    |       |  |       |  | with other improved                    |       |               |       |  |
|   | without other improved                 |       |       |       |  | without other improved                 |       |  |       |  | without other improved                 |       |               |       |  |
|   | <b>Surface water</b>                   |       |       |       |  | <b>Surface water</b>                   |       |  |       |  | <b>Surface water</b>                   |       |               |       |  |
|   | River                                  |       |       |       |  | River                                  |       |  |       |  | River                                  |       |               |       |  |
|   | Lake                                   |       |       |       |  | Lake                                   |       |  |       |  | Lake                                   |       |               |       |  |
|   | Dam                                    |       |       |       |  | Dam                                    |       |  |       |  | Dam                                    |       |               |       |  |
|   | Pond                                   |       |       |       |  | Pond                                   |       |  |       |  | Pond                                   |       |               |       |  |
|   | Stream                                 |       |       |       |  | Stream                                 |       |  |       |  | Stream                                 |       |               |       |  |
|   | Irrigation channel                     |       |       |       |  | Irrigation channel                     |       |  |       |  | Irrigation channel                     |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | <b>Other improved sources</b>          |       |       |       |  | <b>Other improved sources</b>          |       |  |       |  | <b>Other improved sources</b>          |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | <b>Other non-improved</b>              |       |       |       | Total population unserved  | <b>Other non-improved</b>              | 71.5  | 45.0   |       |  | <b>Other non-improved</b>              | 71.5  | 45.0          |       |  |
|   | Cart with small tank/drum              |       |       |       |  | Cart with small tank/drum              |       |  |       |  | Cart with small tank/drum              |       |               |       |  |
|   | Tanker truck provided                  |       |       |       |  | Tanker truck provided                  |       |  |       |  | Tanker truck provided                  |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | Other                                  |       |       |       |  | Other                                  |       |  |       |  | Other                                  |       |               |       |  |
|   | <b>DK/missing</b>                      |       |       |       |  | <b>DK/missing</b>                      |       |  |       |  | <b>DK/missing</b>                      |       |               |       |  |
|   | <b>Total</b>                           | 28.3  | 36.2  |       |  | <b>Total</b>                           | 100.0 | 100.0  |       |  | <b>Total</b>                           | 100.0 | 100.0         |       |  |
| Calculations  |  |       |       |       | Calculations   |  |       |  |       | Calculations                                       |  |       |               |       |  |
| Estimations   |  |       |       |       | Estimations  |  |       |  |       | Estimations  |  |       |               |       |  |
| <b>Access to improved drinking water sources :</b>  |  | 28%   | 36%   |       | <b>Access to improved drinking water sources :</b>                             |  | 29%   | 55%  |       | <b>Access to improved drinking water sources :</b> |  | 29%   | 55%           |       |  |
| <b>Access to house connections :</b>  |  | 10%   | 0%    |       | <b>Access to house connections :</b>   |  | 20%   | 0%   |       | <b>Access to house connections :</b>               |  | 20%   | 0%            |       |  |
| Used for the estimates:   |  | No    | Yes   |       | Used for the estimates:  |  | No    | No   |       | Used for the estimates:                            |  | No    | No            |       |  |
| Used for the estimates:   |  | Yes   | Yes   |       | Used for the estimates:  |  | No    | No   |       | Used for the estimates:                            |  | No    | No            |       |  |
| Ratios  | HC / Tap water                         | 40%   |       |       | Ratios   | HC / Tap water                         | 100%  |  |       | Ratios   | HC / Tap water                         | 100%  |               |       |  |
|   | Public tap / Tap water                 | 16%   |       |       |  | Public tap / Tap water                 |       |  |       |  | Public tap / Tap water                 |       |               |       |  |
|   | Tubewell + protected well / All wells  |       |       |       |  | Tubewell + protected well / All wells  |       |  |       |  | Tubewell + protected well / All wells  |       |               |       |  |
|   | Protected wells / Traditional wells    |       |       |       |  | Protected wells / Traditional wells    |       |  |       |  | Protected wells / Traditional wells    |       |               |       |  |
|   | Tubewell / All wells                   |       |       |       |  | Tubewell / All wells                   |       |  |       |  | Tubewell / All wells                   |       |               |       |  |
|   | Protected springs / All springs        |       |       |       |  | Protected springs / All springs        |       |  |       |  | Protected springs / All springs        |       |               |       |  |
|   | Protect. well & spring / well & spring |       |       |       |  | Protect. well & spring / well & spring |       |  |       |  | Protect. well & spring / well & spring |       |               |       |  |
| Number of people covered by the census:   |  | 249   | 1018  |       | Number of people covered by the survey:  |  | 249   | 1018   |       | Number of people covered by the survey:            |  | 249   | 1018          |       |  |
| Number of households covered by the census:   |  |       |       |       | Number of households covered by the survey:                                    |  |       |  |       | Number of households covered by the survey:        |  |       |               |       |  |
| Total population:   |  |       |       |       | Total population:  |  |       |  |       | Total population:                                  |  |       |               |       |  |
| Comments  |  |       |       |       | Comments   | Population data = CEN1991 !            |       |  |       |  |  |       |               |       |  |



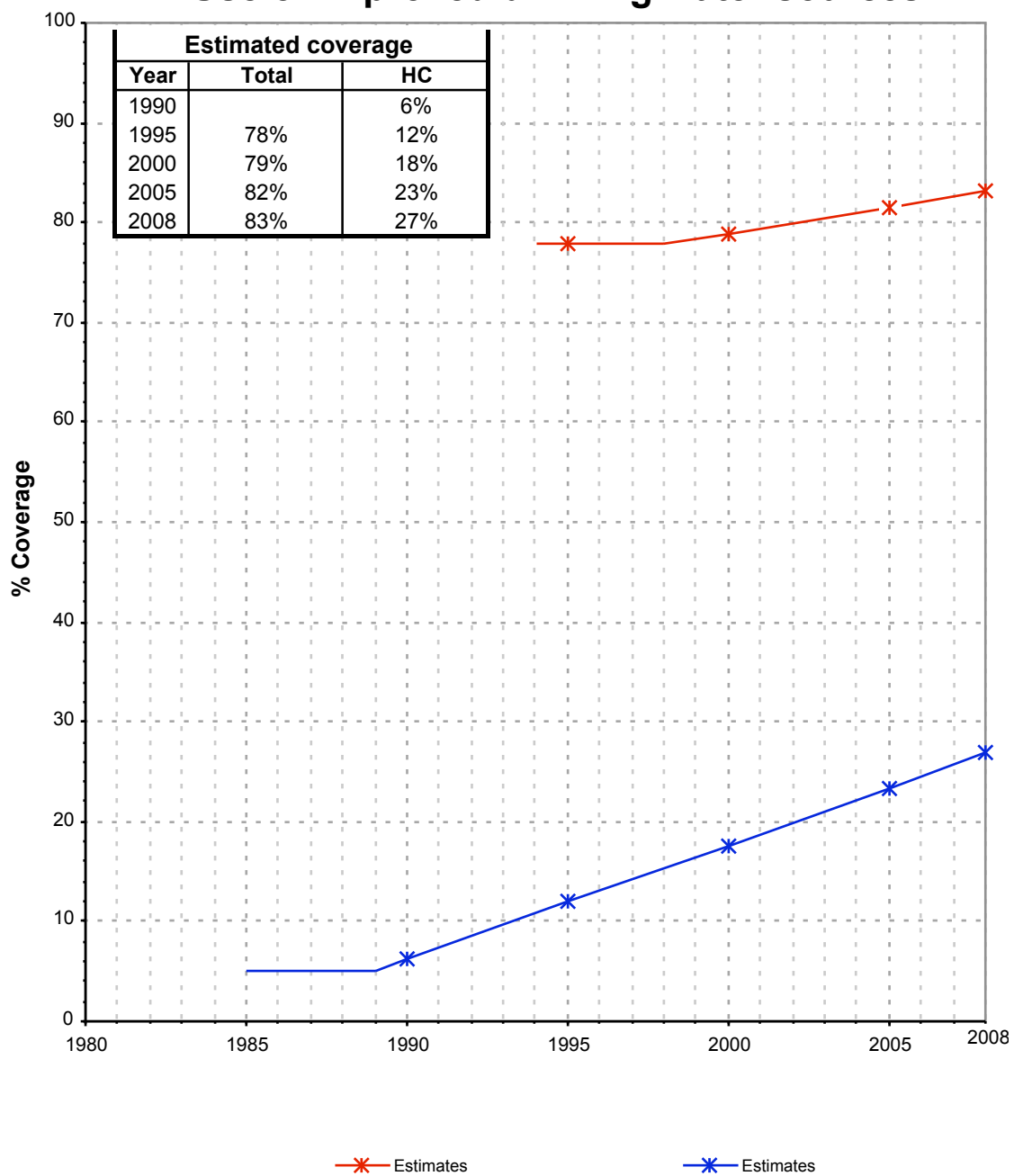


| Guinea-Bissau   |         |      | DRINKING WATER   |          |       |          |                  |          |       |          |
|---|---------|------|------------------|----------|-------|----------|------------------|----------|-------|----------|
|   |         |      | URBAN            |          |       |          | RURAL            |          |       |          |
|   |         |      | House connection |          | Total |          | House connection |          | Total |          |
| Source  | Code    | Year | Used             | Not used | Used  | Not used | Used             | Not used | Used  | Not used |
| National census 1991  | CEN91   | 1991 | 9.7              |          |       | 28.3     | 0.0              |          | 36.2  |          |
| Global Water Supply and Sanitation Assessment 2000.           | JMP99   | 1999 |                  | 20.5     |       | 28.5     |                  | 0.0      |       | 55.0     |
| Multiple Indicator Cluster Survey                             | MICS00  | 2000 | 14.6             |          | 79.2  |          | 0.3              |          | 49.1  |          |
| Multiple Indicator Cluster Survey                             | MICS06  | 2006 | 29.6             |          | 82.2  |          | 0.6              |          | 47.5  |          |
| Questionnaire Unifié sur les Indicateurs de Base de Bien-Etre | QUIBB02 | 2002 | 15.6             |          | 79.5  |          | 0.8              |          | 44.5  |          |

# Guinea-Bissau - rural - Use of improved drinking water sources



## Guinea-Bissau - urban - Use of improved drinking water sources



# Drinking Water

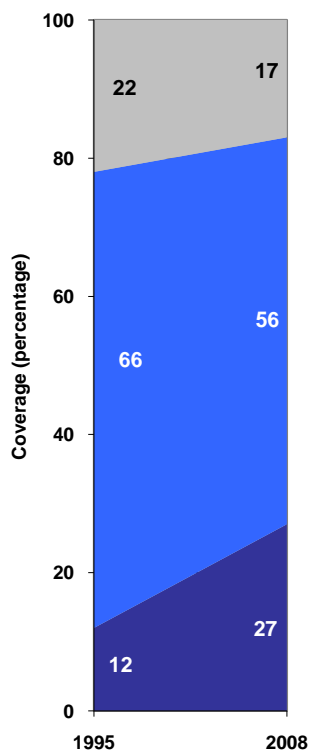
| Guinea-Bissau         | Drinking water coverage estimates |      |           |      |           |      |
|-----------------------|-----------------------------------|------|-----------|------|-----------|------|
|                       | Urban (%)                         |      | Rural (%) |      | Total (%) |      |
|                       | 1995                              | 2008 | 1995      | 2008 | 1995      | 2008 |
| Piped into premises   | 12                                | 27   | 0         | 1    | 4         | 9    |
| Other improved source | 66                                | 56   | 41        | 50   | 48        | 52   |
| Unimproved source     | 22                                | 17   | 59        | 49   | 48        | 39   |

Source: WHO/UNICEF JMP, 2010

| Guinea-Bissau      | Urban |      | Rural |      | Total |      |
|--------------------|-------|------|-------|------|-------|------|
|                    | 1995  | 2008 | 1995  | 2008 | 1995  | 2008 |
| Population (x1000) | 348   | 469  | 818   | 1107 | 1166  | 1575 |

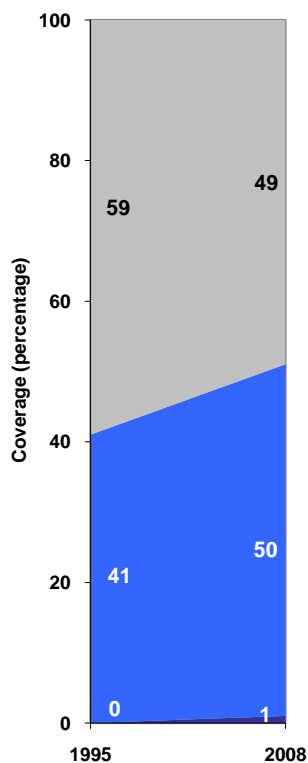
Source: UN / Population Division, 2008

Urban drinking water trends



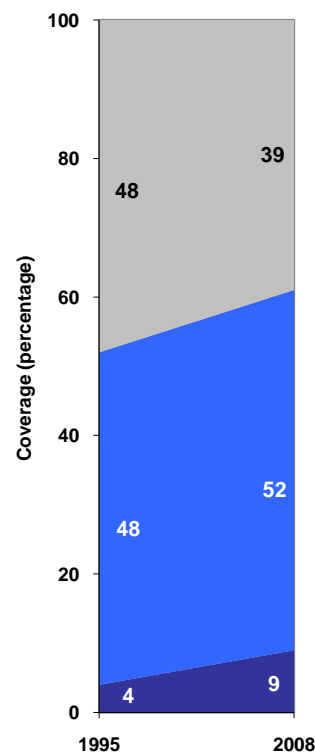
■ Unimproved sources  
■ Other improved sources  
■ Piped onto premises

Rural drinking water trends



■ Unimproved sources  
■ Other improved sources  
■ Piped onto premises

Total drinking water trends



■ Unimproved sources  
■ Other improved sources  
■ Piped onto premises