



**WHO / UNICEF**

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

**Coverage Estimates**  
**Improved Drinking Water**

Updated in June 2006

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**Nigeria**

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## Urban and Rural Water - Nigeria

### Survey

DHS 1990			
Water	URBAN	RURAL	TOTAL
Piped into residence	17,3	1,5	5,5
Piped into yard	13,8	1,8	4,8
Public tap	32,2	8,4	14,4
Well with handpump	7,4	6,8	7
Well without handpump	14,8	28,1	24,7
River, spring, surface water	4,9	51,9	40
Tanker truck, other vendor	8,9	0,7	2,8
Rain water	0,3	0,7	0,6
Other	0,4	0	0,1
<b>TOTAL</b>	<b>100</b>	<b>99,9</b>	<b>99,9</b>
50% of wells without handpump estimated to be protected	7,4	14,1	12,4
access to improved drinking water source	78%	33%	45%
% House connections	31%	3%	10%

MICS 1995			
The MICS 95 provides insufficient disaggregation of data and is therefore not used for estimates.			
Water	Urban	Rural	Total
Piped			9
Public Tap			11
Hand Pump			12
Protected Well			19
Unprotected Well			17
Pond			29
Vendor			2
Other			1
<b>Total</b>			<b>100</b>
access to improved drinking water source	80%	39%	51%

MICS 1999			
The MICS 99 has not properly weighted the data and is therefore not used for estimates.			
Water	Urban	Rural	Total
Piped into dwelling	21,1	1,9	7,2
Public Tap	21,0	6,0	10,1
Tube well/ borehole/ Protected well/ spring	11,4	15,7	14,5
rain	17,0	24,4	22,3
Pond, river, stream	3,2	14,2	11,1
Tanker, truck	6,4	32,0	24,9
Other	18,9	4,9	8,8
DK	0,4	0,2	0,3
	0,6	0,6	0,9
<b>Total</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>
Ratio of protected wells	0,84	0,63	
access to improved drinking water source	71%	48%	54%
% House connections	21%	2%	7%

General household survey 1991			
Water	Urban	Urban	Rural
Pipe-Borne (treated)	66	32	7
Pipe-Borne (untreated)	3	1	1
Well (piped into household)	2	1	1
Well (unpiped into household)	23	17	37
Borehole	4	19	15
Stream	0	25	31
Ponds	1	0	5
Other	1	5	2
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>99</b>
50% of Wells (unpiped into households) estimated to be protected	11,5	8,5	18,5
The segregation in urban, semi-urban and rural makes this survey incomparable with other survey data.			
access to improved drinking water source	87%	62%	43%

General household survey 1992			
Water	Urban	Urban	Rural
Pipe-Borne (treated)	60,1	39,3	10,0
Pipe-Borne (untreated)	8,4	3,1	3,7
Well (piped into household)	2,4	2,1	2,0
Well (unpiped into household)	21,0	25,5	39,8
Borehole	1,7	3,1	5,6
Stream	3,6	19,5	35,7
Ponds	1,7	6,8	0,6
Other	2	1	3
<b>TOTAL</b>	<b>100,5</b>	<b>100</b>	<b>100</b>
50% of Wells (unpiped into households) estimated to be protected	10,5	12,8	19,9
The segregation in urban, semi-urban and rural makes this survey incomparable with other survey data.			
access to improved drinking water source	83%	60%	41%

DHS 1999			
Water	Urban	Rural	Total
Piped in residence/yard/plot	24,0	3,7	9,8
Public Tap	25,8	9,5	14,4
Well in residence/yard/plot	16,9	15,1	15,7
Public well	9,6	19,8	16,7
Borehole	12,4	9,1	10,1
Spring	1,1	4,0	3,1
River/stream	3,2	32,2	23,4
Pond/lake	0,5	1,6	1,2
Dam	0,4	0,3	0,3
Rainwater	0,3	0,8	0,6
Tanker truck	1,6	1,1	1,3
Tanker vendor	2,0	1,2	1,4
Bottled water	0,4	0,1	0,2
Other	0,6	0,4	0,5
Missing	1,0	1,0	1,0
<b>Total</b>	<b>99,8</b>	<b>99,9</b>	<b>99,7</b>
Protected wells based on DHS03	25,6	15,9	
50% of springs estimated to be improved	0,6	2,0	1,6
access to improved drinking water source (incl % wells)	76%	32%	
% House connections	24%	4%	10%

DHS 2003		
WATER	Urban	Rural
Piped into dwelling/yard/plot	14,4	2,3
Public tap	18,5	6,2
Protected well in dwelling/yard/plot	6,7	3,7
Protected public well	24,4	16,3
Rainwater	0,5	2,1
Open well in dwelling/yard/plot	9,4	14,2
Open public well	6,7	21,2
Spring	0,6	1,3
River/stream	6,7	26,9
Pond/lake/dam	0,8	1,7
Tanker truck	5,9	1,9
Other	5,2	2
Ratio of protected wells	0,66	0,36
<b>TOTAL</b>	<b>99,8</b>	<b>99,8</b>
Estimated 50% of protected springs	0,3	0,65
Access to improved drinking water sources	65%	31%
% House connections	14%	2%

Source: Nigeria Demographic and Health Survey 2003.

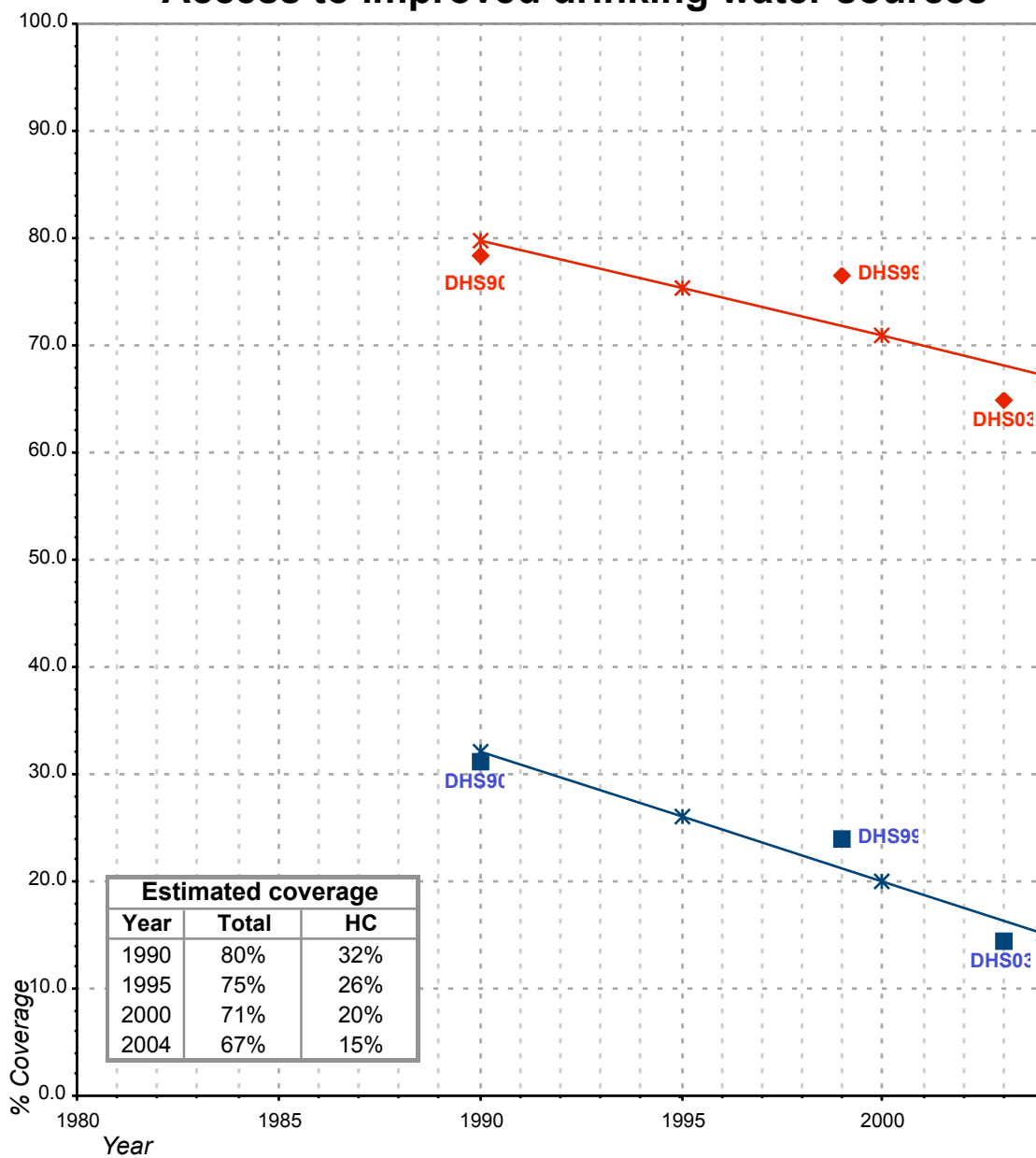
Census 1996		
Water	URBAN	RURAL
Piped borne (treated)	60,11	9,97
Piped borne (untreated)	8,38	3,66
Well (Piped into household)	2,44	2,03
Well (Unpiped into household)	21,04	39,83
Borehole	1,68	5,56
Stream	3,63	35,68
Pond	1,7	0,59
Others	1,52	2,68
<b>TOTAL</b>	<b>100,5</b>	<b>100</b>
All Well	23,48	41,86
50% of wells and springs estimated to be improved	11,74	20,93
access to improved drinking water source (Excl. Wells)	70,17	19,19
access to improved drinking water source (Incl all Wells)	93,65	61,05
access to improved drinking water source (Incl. % of Well)	82%	40%

Estimate		
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FORM-6/WHO 1999		
Water	Urban	Rural
Population served with household connection	8 370	7 842
Population without household connection but with reasonable access to a public water point	21 960	12 547
<b>Total population served</b>	<b>30 330</b>	<b>20 389</b>
Total population unserved	21 950	31 891
<b>Total population</b>	<b>52 280</b>	<b>52 280</b>
access to improved drinking water source	58%	39%
% House connections	16%	15%

Nigeria			DRINKING WATER							
			URBAN				RURAL			
			HC		Total		HC		Total	
Source	Code	Year	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates
The International Drinking Water Supply and Sanitation Decade. Review of National Baseline Data (as at December 1980). WHO 1984	WHO80	1980		30.0		60.0				30.0
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1983). WHO 1986.	WHO83	1983				60.0				30.0
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1988				100.0				20.0
The International Drinking Water Supply and Sanitation Decade. End of Decade Review (as at December 1990). WHO1992.	WHO90	1990				100.0				22.0
Nigeria Demographic and Health Survey 1990. Federal Office of Statistics. Demographic and Health Surveys, IRD/Macro International, Inc.Westinghouse. April 1992.	DHS90	1990	31.1		78.4		3.3		33.3	
Water Supply and Sanitation Sector Monitoring Report 1993 (Sector Status as of 31 December 1991)	JMP93	1991				81.0				
General household survey 1991	GHS91	1991								
General household survey 1992	GHS92	1992								
Water Supply and Sanitation Sector Monitoring Report - 1996. Sector Status as of 31 December 1994. WHO/UNICEF 1996.	JMP96	1994				63.0				26.0
Multiple Indicator Cluster Survey, 1995. Federal Office of Statistics. UNICEF. March 1995.	MICS95	1995				80.0				39.0
Results of baseline studies on water supply and sanitation conducted by federal ministry of water resources and rural development, UNICEF assisted national water supply and	WSS95	1995		29.0		64.0		2.0		39.0
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)	JMP99	1999		16.0		58.0		15.0		39.0
Nigeria, Demographic and Health Survey, 1999, National Population Commission, Abuja, Nigeria, December 2000	DHS99	1999	24.0		76.4		3.7		31.9	
Multiple Indicator Cluster Survey, 1999.	MICS99	1999		21.1		70.5		1.9		48.0
Nigeria Demographic and Health Survey 2003	DHS03	2003	14.4		64.9		2.3		31.3	

# Nigeria - urban - Access to improved drinking water sources



**Total improved access**

◆ Used for estimates

✱ Estimates

**Household connections (HC)**

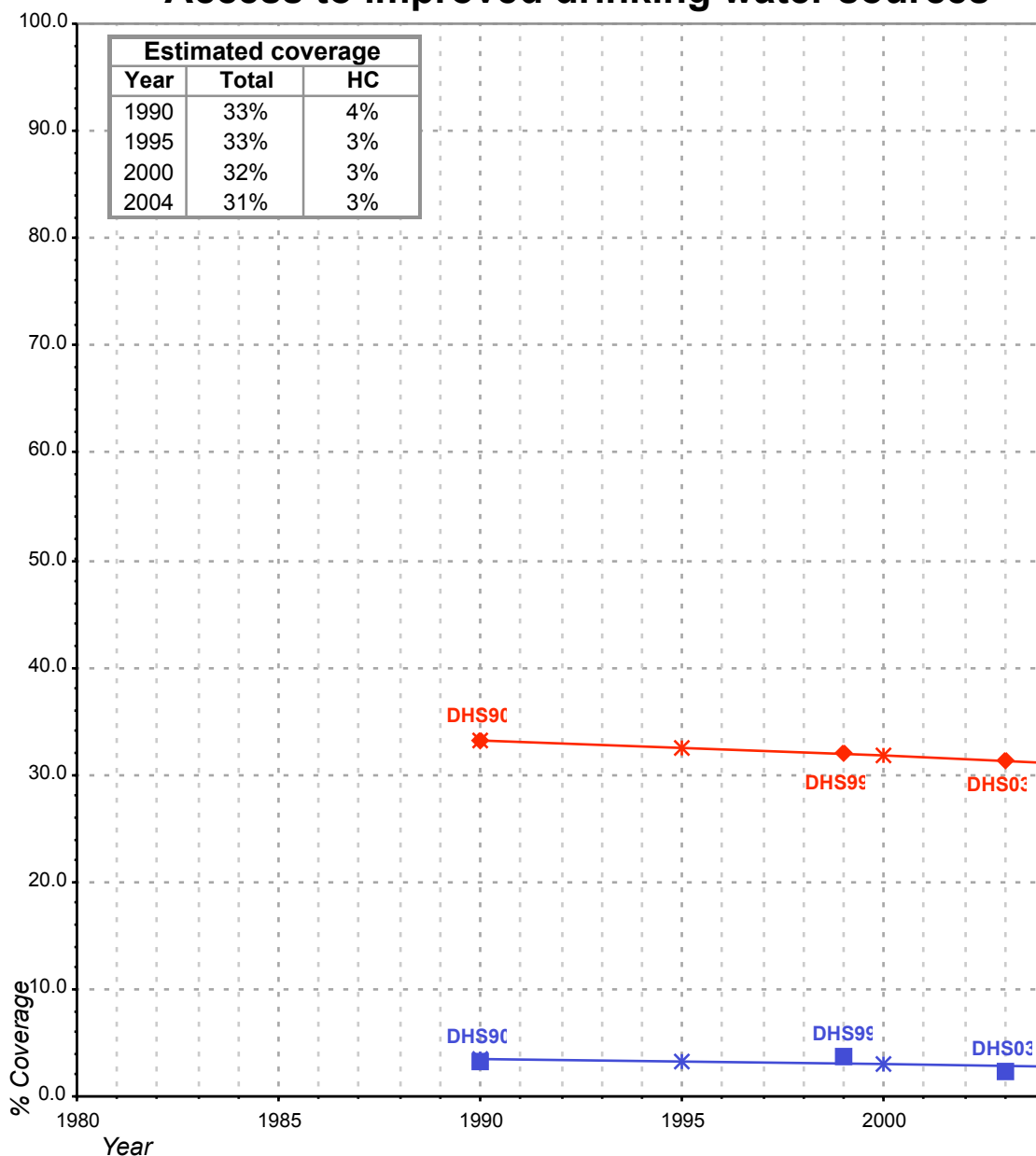
■ Used for estimates

✱ Estimates

**Total access** : The MICS95 has not been used because no detailed information is available.  
The MICS 99 has not properly weighted the data and is therefore not used for estimates.

**Household connections** :

# Nigeria - rural - Access to improved drinking water sources



**Total improved access**

◆ Used for estimates

✱ Estimates

**Household connections (HC)**

■ Used for estimates

✱ Estimates

**Total access :** The MICS95 has not been used because no detailed information is available.  
The MICS 99 has not properly weighted the data and is therefore not used for estimates.

**Household connections :**