



WHO / UNICEF

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

Coverage Estimates

Improved Drinking Water

Updated in June 2006

Chad

Chad

Survey

DHS	1997	
	Urban	Rural
WATER		
Tap in House/Yard	11.6	0.2
Rainwater	0	0.7
Public Standpipe	11.7	4.2
Modern/Lined Public Well/Borehole	5.6	20.8
Modern/Lined Well in Yard	1.6	0.5
Traditional Well in Yard*	23.9	7.6
Traditional Public Well*	11.7	50.6
River/Lake/Pond (Marigot)	1.9	14.7
Vendor	31.5	0.5
Others/Not Defined	0.5	0.3
TOTAL	100	100.1
Ratio improved/not improved wells	0.04	0.01
Access to improved drinking water sources	31%	26%
% House connections	12%	0%

Source: Chad Demographic and Health Survey 1997.

MICS	2000	
	Urban	Rural
WATER		
Eau du robinet		
Puits moderne/forage	37.6	2.8
Puits traditionnel protege ou non protégé	8.0	24.0
Eau de surface	29.3	57.1
Camion citerne, vendeur d'eau	1.2	14.2
Autres	23.8	0.6
Pas de réponse/NSP	0.1	1.3
	0.0	0.1
TOTAL	100.0	100.1
Estimated % of protected wells based on ratio's DHS97 and WHS03	6.0	5.9
Access to improved drinking water sources	52%	33%

Source: Enquete de grappes a indicateurs multiples, Republique du Chad, 2000

WHS	2003	
	Urban	Rural
WATER		
Piped water through house connection or yard	9.9	1.5
Public standpipe	56.8	13.7
Protected tube well or bore hole	6.9	10.6
Protected dug well or protected spring	7.7	12.8
Rainwater (into tank or cistern)	0.1	2.2
Unprotected dug well or spring	13.3	51.4
Water taken directly from pond-water or stream	5.2	0.3
Tanker-truck, vendor	0.2	7.4
TOTAL	100.0	100.0
Ratio of protected dug wells or springs / all dug wells and springs	0.37	0.20
Access to improved drinking water sources	81%	41%
% House connections	10%	2%

Source: World Health Survey, WHO, 2003.

Census

Census	1993	
	Urban	Rural
(Population in thousands)		
WATER		
Tap	128.40	0.00
Public Standpipe	364.20	73.00
Modern Well	145.70	754.70
Traditional Well	630.50	3'349.70
Surface Water	55.70	691.40
Total population (1993)	1'324.50	4'868.80
Estimated % of protected wells from DHS97	27.1	28.5
Total population served	665.42	856.23
Access to improved drinking water sources	50%	18%
% House connections	10%	0%

Source: 1993 Census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999.

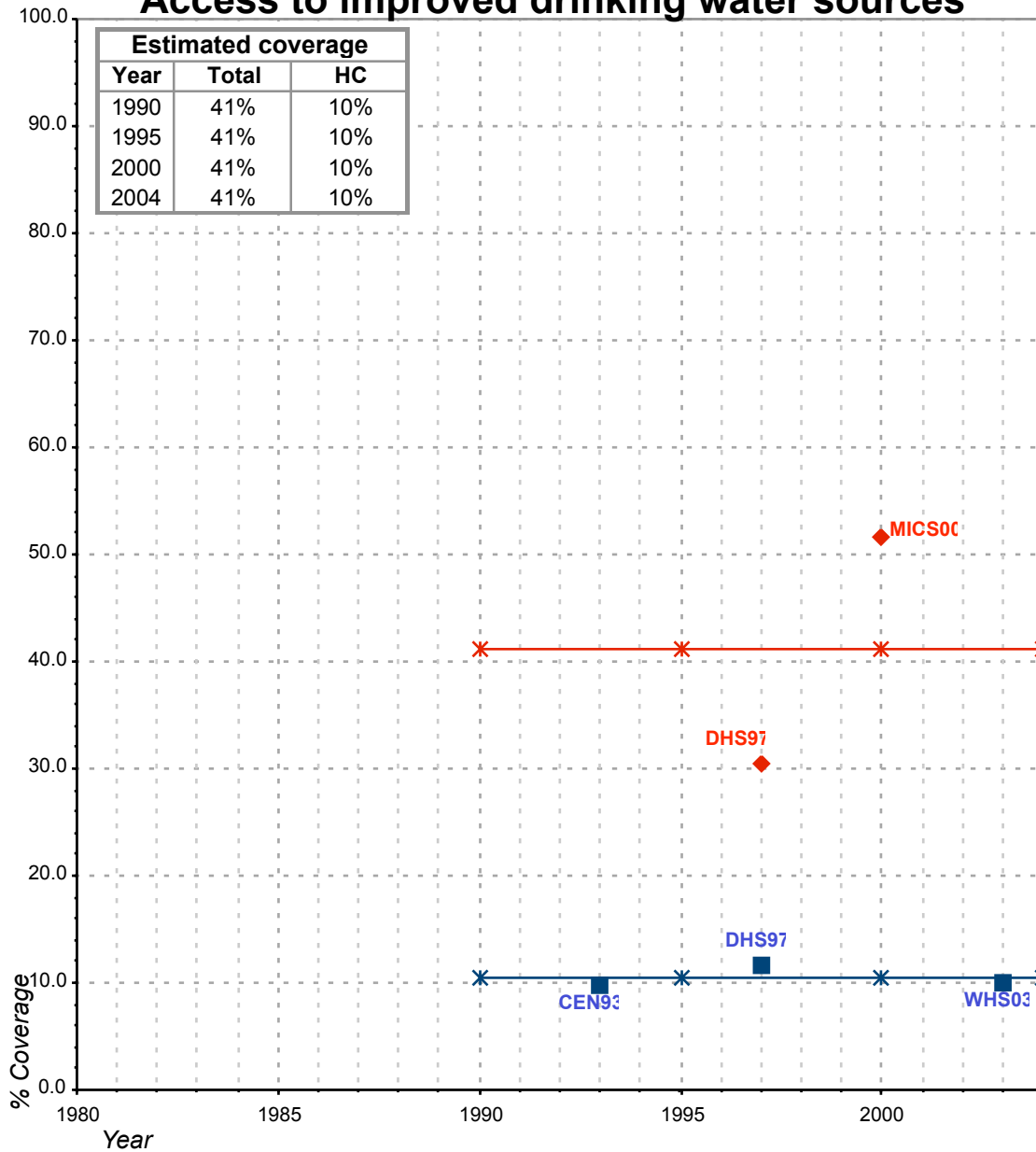
Estimate

FORM-6/WHO	1999	
	Urban	Rural
(Population in thousands)		
WATER		
Population served with household connection	128.40	0.00
Population without household connection but with reasonable access to a public water point	509.90	827.70
Total population served	638.30	827.70
Total population unserved	686.30	4'041.30
Total population	1'324.60	4'869.00
Access to improved drinking water sources	48%	17%
% House connections	10%	0%

Source: Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)

Chad			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
Water Supply and Sanitation Sector Monitoring Report 1993 (Sector Status as of 31 December 1991)	JMP93	1991				25.0				
Chad National Census, 1993 as recorded on Form 4 of the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999.	CEN93	1993	9.7			50.2			17.6	
Water Supply and Sanitation Sector Monitoring Report - 1996. Sector Status as of 31 December 1994. WHO/UNICEF 1996.	JMP96	1994				59.0				
Chad Demographic and Health Survey 1997.	DHS97	1997	11.6		30.5		0.2		26.4	
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)	JMP99	1999		9.7		48.0		0.0		17.0
Enquete de grappes a indicateurs multiples, Republique du Chad, 2000	MICS00	2000			51.6				32.7	
World Health Survey, WHO, 2003.	WHO03	2003	9.9			81.4	1.5		40.9	

Chad - urban - Access to improved drinking water sources



Total improved access

Household connections (HC)

◆ Used for estimates

■ Used for estimates

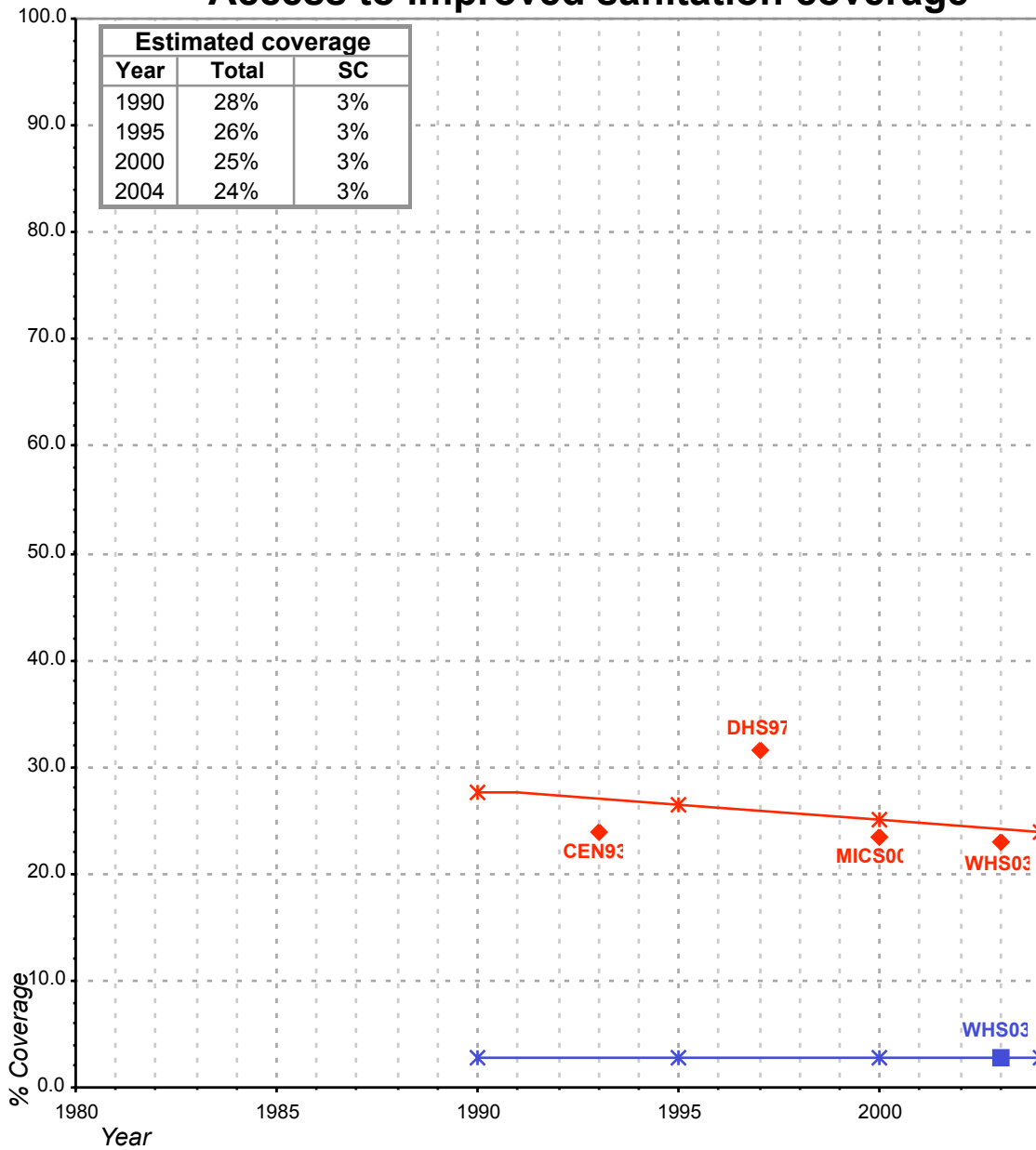
✱ Estimates

✱ Estimates

Total access :

Household connections :

Chad - urban - Access to improved sanitation coverage



Total improved access

Sewerage connections (SC)

◆ Used for estimates

■ Used for estimates

—*— Estimates

—*— Estimates

Total access : Estimation of private improved sanitation.

Sewerage connections :