



WHO / UNICEF

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

Coverage Estimates

Improved Drinking Water

Updated in July 2008

Chad

Chad

Sur

DHS	1997	
WATER	Urban	Rural
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	
WATER	Urban	Rural
Eau du robinet	37.6	2.8
Puits moderne/forage	8.0	24.0
Puits traditionnel protégé ou non protégé	29.3	57.1
Eau de surface	1.2	14.2
Camion citerne, vendeur d'eau	23.8	0.6
Autres	0.1	1.3
Pas de réponse/NSP	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, Republi Chad, 2000

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WHS 2003		
WATER	Urban	Rural
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 (corrected for urban vendor provided water, DHS04)	64%	41%
% House connections	10%	2%

Source: World Health Survey, WHO, 2003.

DHS 2004		
WATER	Urban	Rural
Robinet dans logement/cour	18.6	0
Fontaine publique	23.4	2.6
Puits moderne/forage dans cour	2.7	0.9
Puits moderne/forage public/communautaire	10.4	26.5
Source protégée	1.5	0.4
Puits traditionnel dans cour	9.7	8.5
Puits traditionnel public/communautaire	9.6	36.5
Source non protégée/fleuve/rivière/canal	1.4	15
Mare/lac/marigot	0.3	8.4
Vendeur d'eau de puits moderne/forage	16.9	0
Vendeur d'eau d'autres sources	3.7	0.5
Autre/ND	1.9	0.9
TOTAL	100.1	100.2
Access to improved drinking water sources	55%	30%
% House connections	19%	0%

Source: Tchad Demographic and Health Survey 2004.

Census

Census	1993	
(Population in thousands)		
WATER	Urban	Rural
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 Sector Questionnaire - 1999.

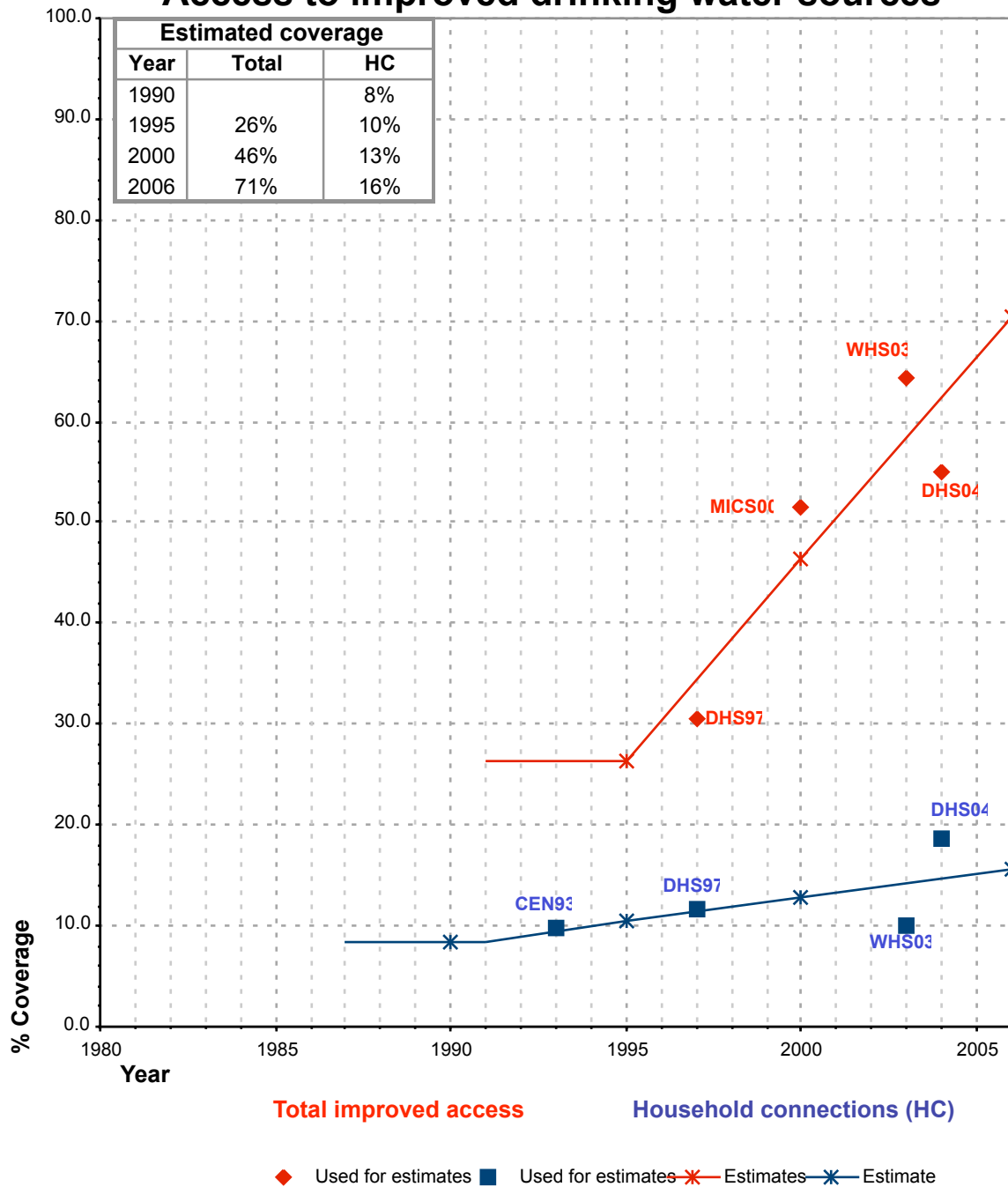
Estimate

FORM-6/WHO	1999	
(Population in thousands)		
WATER	Urban	Rural
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 WHO)

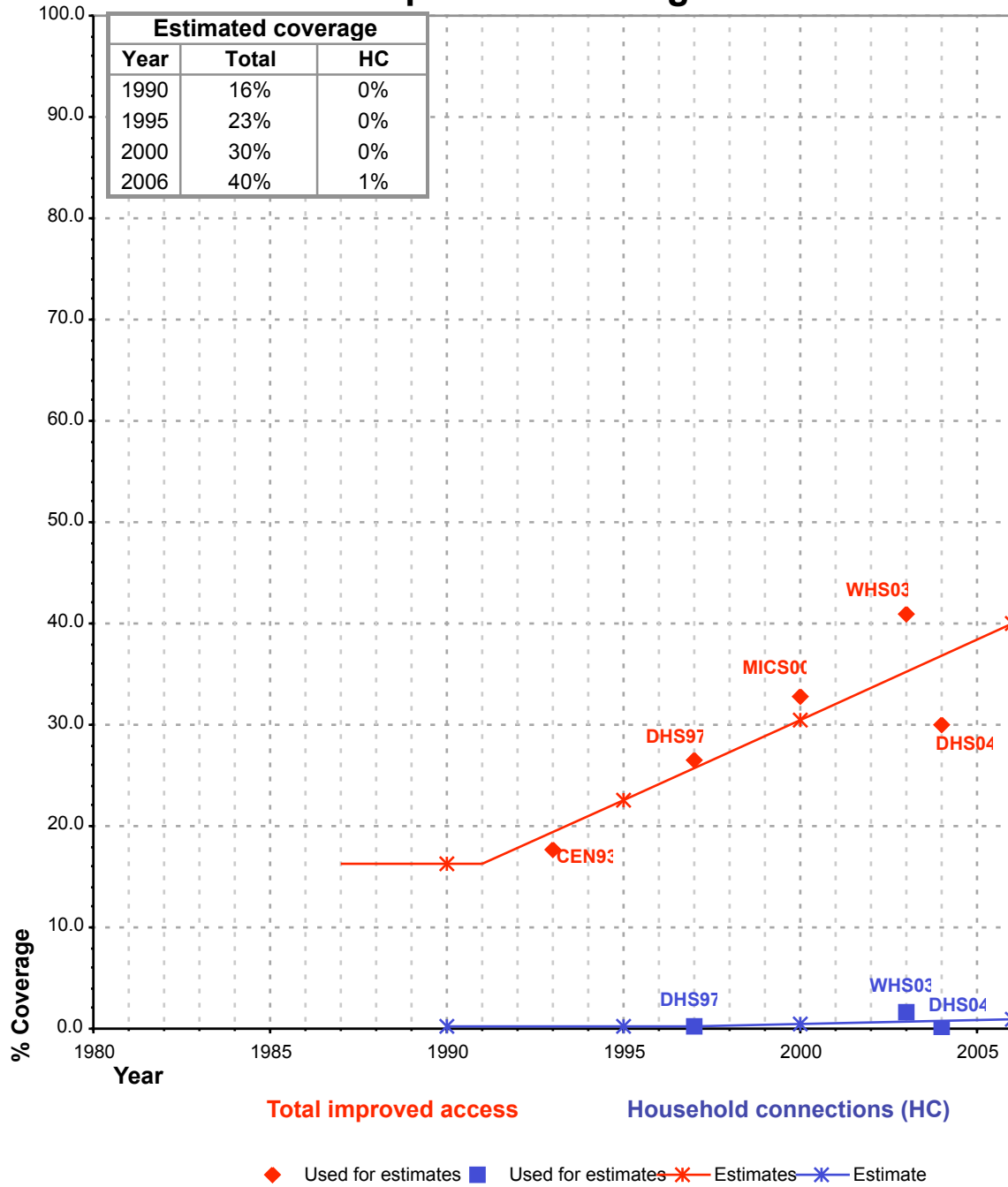
Chad			DRINKING WATER							
			URBAN				RURAL			
			HC		Total		HC		Total	
Source	Code	Year	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates
Water Supply and Sanitation Sector Monitoring 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		64.4	81.4	1.5		40.9	
Tchad Demographic and Health Survey 2004.	DHS04	2004	18.6		55.1		0.0		30.0	

Chad - urban - Access to improved drinking water sources



Total access :
Household connections :

Chad - rural - Access to improved drinking water sources



Total access :
Household connections :