

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

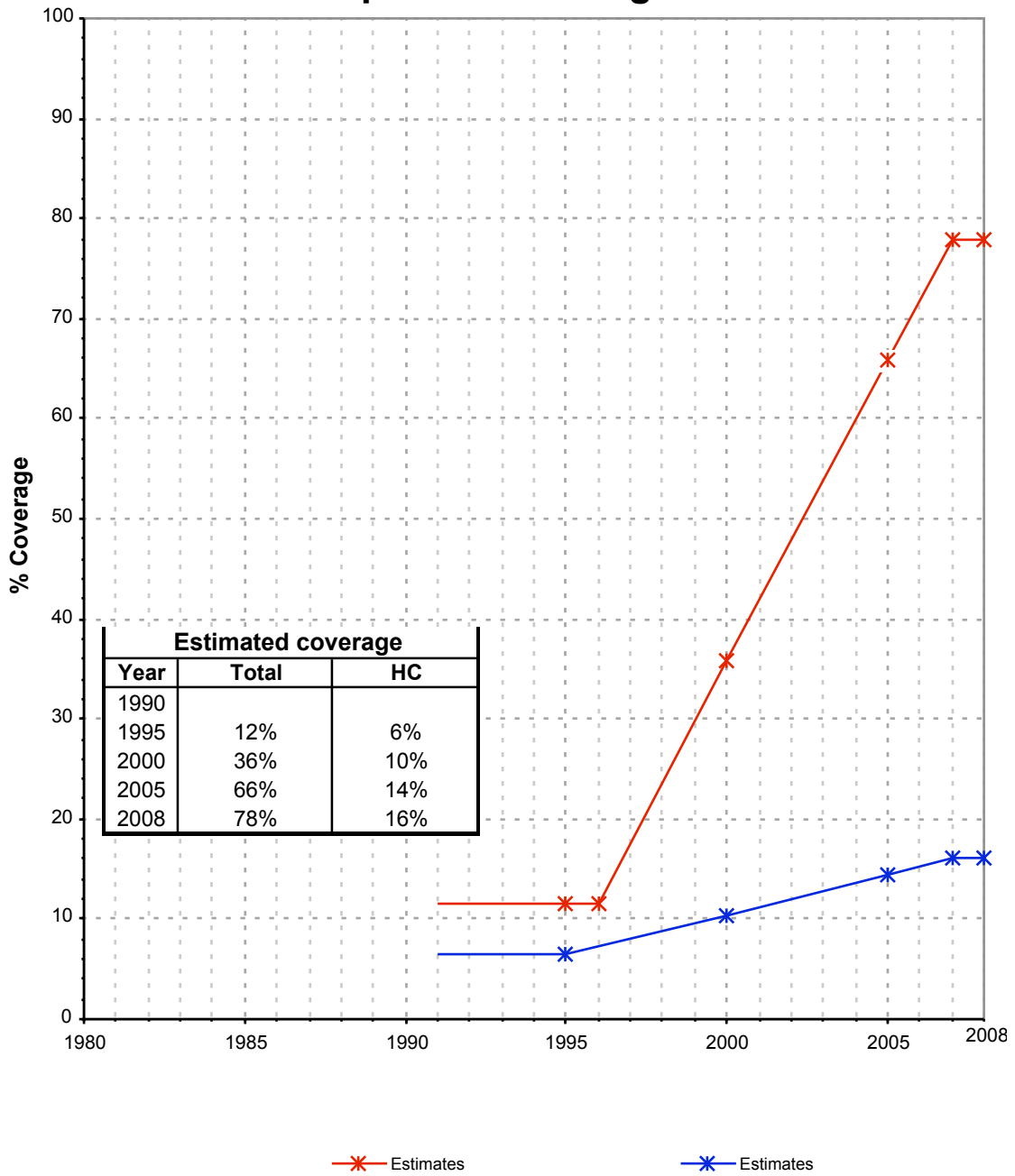
childinfo.org

Access to drinking water sources		MICS00			East Afghanistan			Access to drinking water sources		MICS03			Afghanistan		
Multiple Indicator Cluster Survey					2000			Multiple Indicator Cluster Survey					2003		
Original denomination	Classification		Urban	Rural	Total	Original denomination	Classification		Urban	Rural	Total				
	Tap water		2.1			Piped water	Tap water		21.1	1.7					
	House connections		0.5				House connections								
	Piped water into dwelling						Piped water into dwelling								
Piped into the yard	Piped water to yard/plot		0.5				Piped water to yard/plot								
Public tap	Public tap, standpipe		1.6				Public tap, standpipe								
	Other						Other								
	Ground water		61.8				Ground water		64.5	64.1					
	Protected ground water		40.7				Protected ground water	35.5	25.6						
	Unprotected ground water		21.1				Unprotected ground water	29.0	38.5						
	Protected wells or springs		40.7				Protected wells or springs	35.5	25.6	0.0					
	Private						Private								
	Public						Public								
	Other						Other								
	Unprotected wells or springs		21.1				Unprotected wells or springs	29.0	38.5	0.0					
	Private						Private								
	Public						Public								
	Other						Other								
	All wells		48.6				All wells	54.9	40.0						
	Private						Private								
	Public						Public								
	Other						Other								
Tubewell with pump	Tubewell, borehole		20.0			Bored well	Tubewell, borehole	34.0	19.9						
	Private						Private								
	Public						Public								
	Other						Other								
	Traditional wells		28.6				Traditional wells	20.9	20.1						
	Private						Private								
	Public						Public								
	Other						Other								
Protected dug well	Protected well		14.9				Protected well								
	Private						Private								
	Public						Public								
	Other						Other								
Unprotected dug well	Unprotected well		13.7			Unprotected well	Unprotected well	20.9	20.1						
	Private						Private								
	Public						Public								
	Other						Other								
	All springs		13.2				All springs	9.6	24.1						
	Private						Private								
	Public						Public								
	Other						Other								
Protected spring	Protected spring		5.8			Protected spring	Protected spring	1.5	5.7						
	Private						Private								
	Public						Public								
	Other						Other								
Unprotected spring	Unprotected spring		7.4			Unprotected spring	Unprotected spring	8.1	18.4						
	Private						Private								
	Public						Public								
	Other						Other								
	Rainwater		0.1				Rainwater								
Rainwater collection	Covered cistern/tank		0.1				Covered cistern/tank								
	Uncovered cistern/tank						Uncovered cistern/tank								
	Bottled water						Bottled water								
	with other improved						with other improved								
	without other improved						without other improved								
Pond, river or stream	Surface water		35.8			River	Surface water	13.7	33.0						
	River					River	River	13.7	33.0						
	Lake						Lake								
	Dam						Dam								
	Pond						Pond								
	Stream						Stream								
	Irrigation channel						Irrigation channel								
	Other						Other								
	Other improved sources						Other improved sources	0.1	0.1						
	Other					Slow sand filtration	Other	0.1	0.1						
	Other						Other								
	Other non-improved		0.3				Other non-improved	0.7	1.1						
	Cart with small tank/drum						Cart with small tank/drum								
	Tanker truck provided						Tanker truck provided								
Other	Other		0.3			Others	Other	0.7	1.1						
	Other						Other								
	DK/missing						DK/missing								
	Total		100.1				Total	100.1	100.0						
Calculations						Calculations									
Estimations						Estimations									
							HC, based on MICS97	14.0	0.0						
Access to improved drinking water sources :			43%			Access to improved drinking water sources :			57%	27%					
Access to house connections :			1%			Access to house connections :			14%	0%					
	Used for the estimates	No	No				Used for the estimates	Yes	Yes						
	Used for the estimates	No	No				Used for the estimates	Yes	Yes						
Ratios	HC / Tap water		24%			Ratios	HC / Tap water								
	Public tap / Tap water		76%				Public tap / Tap water								
	Tubewell + protected well / All wells		72%				Tubewell + protected well / All wells								
	Protected wells / Traditional wells		52%				Protected wells / Traditional wells								
	Tubewell / All wells		41%				Tubewell / All wells	62%	50%						
	Protected springs / All springs		44%				Protected springs / All springs	16%	24%						
	Protect. well & spring / well & spring		66%				Protect. well & spring / well & spring	55%	40%						
	Number of people covered by the survey:						Number of people covered by the survey:								
	Number of households covered by the survey:						Number of households covered by the survey:								
	Total population:						Total population:								
Comments	This MICS was conducted in the Eastern part of Afghanistan covering only rural areas, hence the absence of figures for urban areas.					Comments									

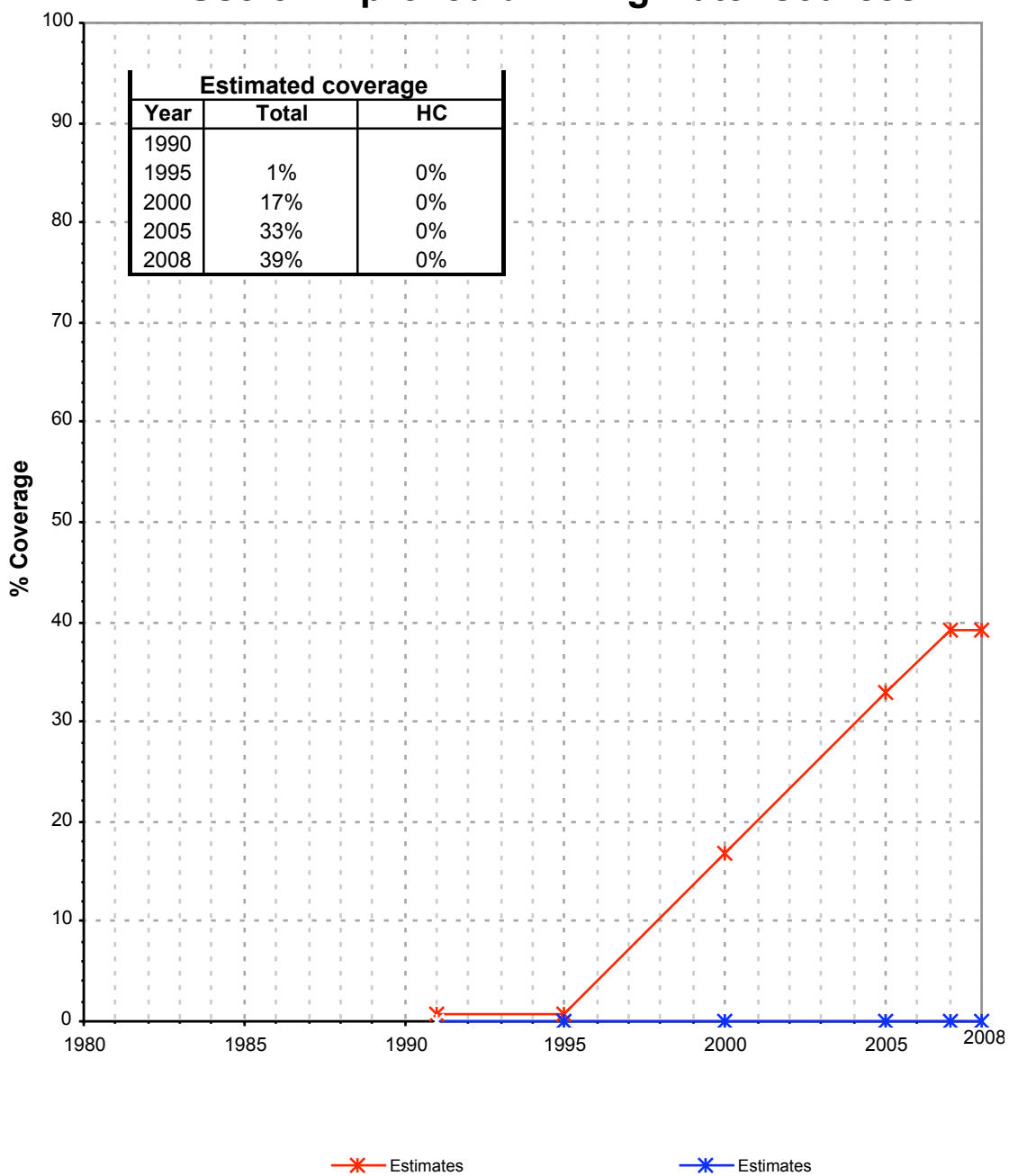
Access to drinking water sources		NRVS05	Afghanistan		
National Risk & Vulnerability Survey					
Central Statistical Office			2005		
Original denomination	Classification	Urban	Rural	Total	
Piped - Municipal, Gravity, Motorized	Tap water	20.4	2.1		
	House connections				
	Piped water into dwelling				
	Piped water to yard/plot				
	Public tap, standpipe				
	Other				
	Ground water	75.3	70.4		
	Protected ground water	43.7	23.7		
	Unprotected ground water	32.2	47.3		
	Protected wells or springs	43.7	23.7		
	Private	19.5	3.0		
	Public	21.1	17.2		
	Other				
	Unprotected wells or springs	32.2	47.3		
	Private	22.4	15.5		
	Public	9.4	13.5		
	Other				
	All wells	74.7	50.9		
	Private	42.0	18.5		
	Public	30.4	30.6		
	Other				
Bored well - Hand pumps or motorized	Tubewell, borehole	2.3	1.8		
	Private				
	Public				
	Other				
	Traditional wells	72.4	49.1		
	Private	42.0	18.5		
	Public	30.4	30.6		
	Other				
	Protected well	40.6	20.2		
	Private	19.5	3.0		
	Public	21.1	17.2		
	Other				
	Unprotected well	31.8	28.9		
	Private	22.4	15.5		
	Public	9.4	13.5		
	Other				
	All springs	0.6	19.5		
	Private				
	Public				
	Other				
Spring - Protected	Protected spring	0.2	1.2		
	Private				
	Public				
	Other				
Spring - Unprotected	Unprotected spring	0.4	18.4		
	Private				
	Public				
	Other				
	Rainwater				
	Covered cistern/tank				
	Uncovered cistern/tank				
	Bottled water				
	with other improved				
	without other improved				
	Surface water	2.6	19.4		
River, lake, canal	River	1.4	15.1		
	Lake				
Nawar Dand Dam	Dam	0.0	0.9		
	Pond				
	Stream				
Drainage	Irrigation channel		0.3		
Kanda, Pool Howz	Other	1.2	3.1		
	Other improved sources	0.2	6.9		
Arhad	Other	0.2	0.2		
Kariz	Other		6.7		
	Other non-improved	1.5	0.9		
	Cart with small tank/drum				
Bowser / Water tanker	Tanker truck provided	0.8	0.7		
Other	Other	0.7	0.2		
	Other				
	DK/missing				
	Total	100.0	99.8		
Calculations					
Estimations					
	HC, based on MICS97	13.5	0.0		
Access to improved drinking water sources :		64%	32%		
Access to house connections :		14%	0%		
Used for the estimates:		Yes	Yes		
Used for the estimates:		Yes	Yes		
Ratios	HC / Tap water				
	Public tap / Tap water				
	Tubewell + protected well / All wells	57%	43%		
	Protected wells / Traditional wells	58%	41%		
	Tubewell / All wells	3%	4%		
	Protected springs / All springs	31%	6%		
	Protect. well & spring / well & spring	57%	33%		
	Number of people covered by the survey:				
	Number of households covered by the survey:				
	Total population:				
Comments	Clarify what the following facilities are: Kariz, Arhad, Kanda..				

Afghanistan			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
Multiple Indicator Cluster Survey	MICS97	1997	7.7		16.9		0.0		6.8	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		15.0		43.3		0.0		23.7
Multiple Indicator Cluster Survey	MICS00	2000						0.5		42.9
Multiple Indicator Cluster Survey	MICS03	2003	14.0		56.7		0.0		27.4	
National Risk & Vulnerability Survey	NRVS05	2005	13.5		63.7		0.0		32.1	

Afghanistan - urban - Use of improved drinking water sources



Afghanistan - rural - Use of improved drinking water sources



Drinking Water

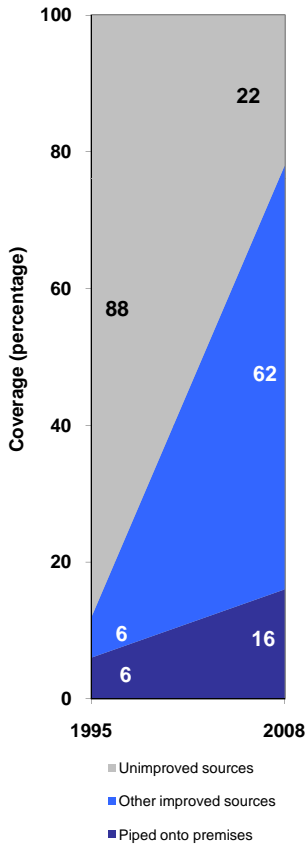
Afghanistan	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1995	2008	1995	2008	1995	2008
Piped into premises	6	16	0	0	1	4
Other improved source	6	62	1	39	2	44
Unimproved source	88	22	99	61	97	52

Source: WHO/UNICEF JMP, 2010

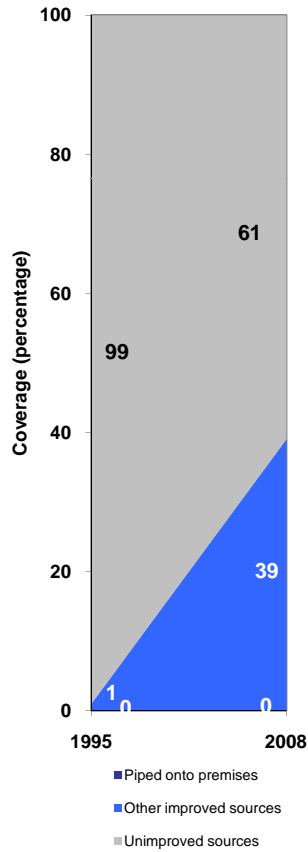
Afghanistan	Urban		Rural		Total	
	1995	2008	1995	2008	1995	2008
Population (x1000)	3 573	6528	14,511	20,681	18 084	27208

Source: UN / Population Division, 2008

Urban drinking water trends



Rural drinking water trends



Total drinking water trends

