



WHO / UNICEF

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

Estimates for the use of

**Improved
Drinking-Water Sources**

Updated March 2010

Bangladesh

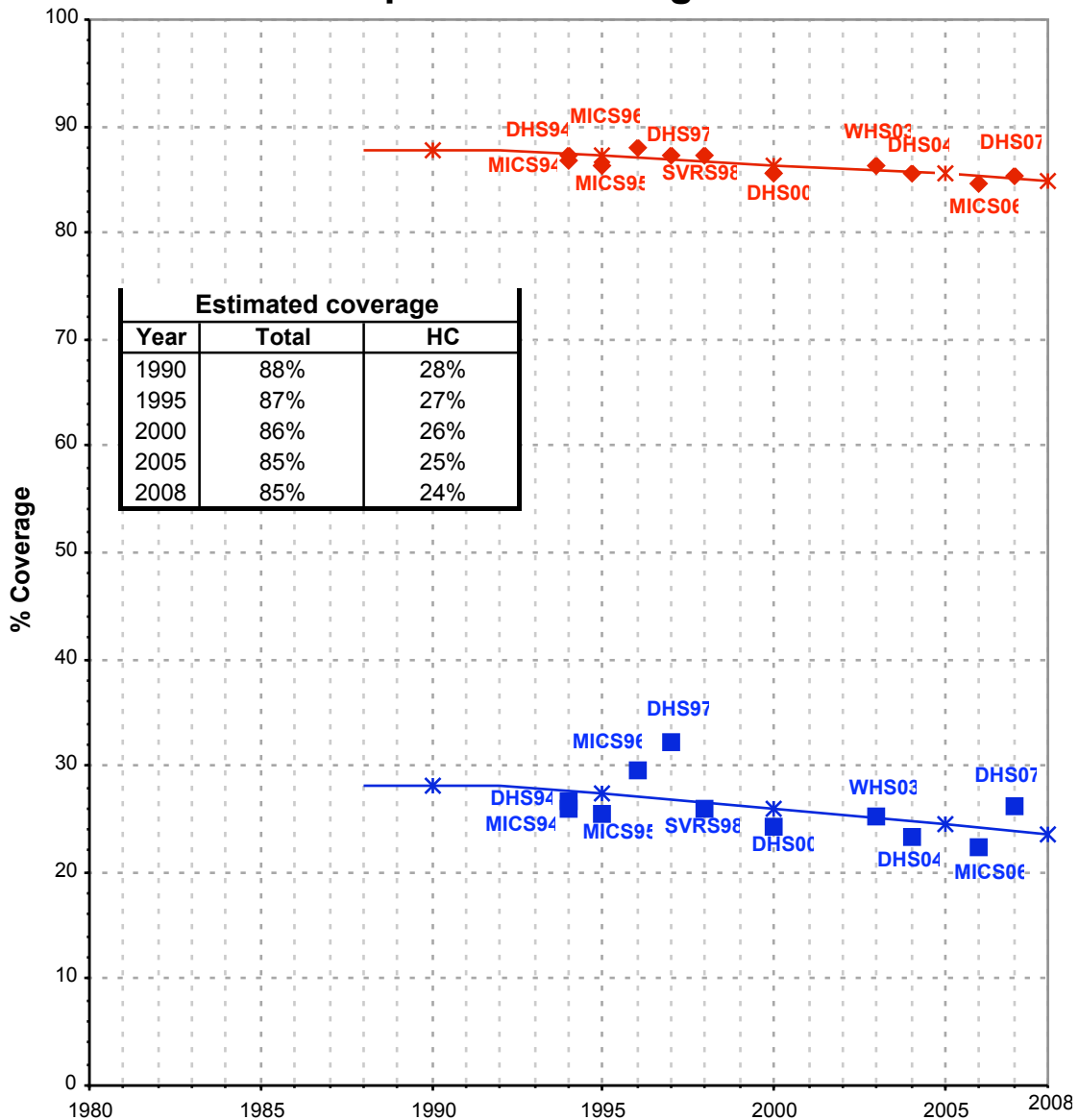
Access to drinking water sources		MICS95			Bangladesh			Access to drinking water sources		MICS96			Bangladesh		
Multiple Indicator Cluster Survey					1995			Multiple Indicator Cluster Survey					1996		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Tap	Tap water	35.1	0.2	3.7	Tap	Tap water	36.2	0.5	4.1						
	House connections					House connections									
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
	Public tap, standpipe					Public tap, standpipe									
	Other					Other									
	Ground water	64.2	96.5	93.2		Ground water	65.0	97.6	94.4						
	Protected ground water	64.0	92.7	89.8		Protected ground water	64.5	94.9	91.9						
	Unprotected ground water					Unprotected ground water									
	Protected wells or springs	64.0	92.7	89.8		Protected wells or springs	64.5	94.9	91.9						
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected wells or springs					Unprotected wells or springs									
	Private					Private									
	Public					Public									
	Other					Other									
	All wells	64.2	96.5	93.2		All wells	65.0	97.6	94.4						
	Private					Private									
	Public					Public									
	Other					Other									
Tubewell	Tubewell, borehole	64.0	92.7	89.8	Tubewell	Tubewell, borehole	64.5	94.9	91.9						
	Private					Private									
	Public					Public									
	Other					Other									
Ringwell	Traditional wells	0.2	3.8	3.4	Ringwell	Traditional wells	0.5	2.7	2.5						
	Private					Private									
	Public					Public									
	Other					Other									
	Protected well					Protected well									
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected well					Unprotected well									
	Private					Private									
	Public					Public									
	Other					Other									
	All springs					All springs									
	Private					Private									
	Public					Public									
	Other					Other									
	Protected spring					Protected spring									
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected spring					Unprotected spring									
	Private					Private									
	Public					Public									
	Other					Other									
	Rainwater					Rainwater									
	Covered cistern/tank					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									
	Surface water					Surface water									
	River					River									
	Lake					Lake									
	Dam					Dam									
	Pond					Pond									
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	Other improved sources					Other improved sources									
	Other					Other									
	Other non-improved	0.9	3.6	3.3		Other non-improved	0.8	3.6	3.3						
	Cart with small tank/drum					Cart with small tank/drum									
	Tanker truck provided					Tanker truck provided									
Other	Other	0.9	3.6	3.3	Other	Other	0.8	3.6	3.3						
	DK/missing					DK/missing									
	Total	100.2	100.3	100.2		Total	102.0	101.7	101.8						
Calculations					Calculations										
Estimations	50% of traditional wells considered improved	0.1	1.9		Estimations	50% of traditional wells considered improved	0.3	1.4							
	Deduct. of 20% arsenic contaminated wells	-12.8	-18.9			Deduct. of 20% arsenic contaminated wells	-13.0	-19.3							
	HC, based on DHS94	25.5	0.1			HC, based on DHS94	29.6	0.3							
Access to improved drinking water sources : 86% 76% 94%					Access to improved drinking water sources : 88% 78% 96%										
Access to house connections : 25% 0%					Access to house connections : 30% 0%										
Used for the estimates : Yes Yes					Used for the estimates : Yes Yes										
Used for the estimates : Yes Yes					Used for the estimates : Yes Yes										
Ratios	HC / Tap water				Ratios	HC / Tap water									
	Public tap / Tap water					Public tap / Tap water									
	Tubewell + protected well / All wells					Tubewell + protected well / All wells									
	Protected wells / Traditional wells					Protected wells / Traditional wells									
	Tubewell / All wells	100%	96%			Tubewell / All wells	99%	97%							
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring					Protect. well & spring / well & spring									
	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					Comments										

Access to drinking water sources		MICS99			Bangladesh			Access to drinking water sources		JMP99			Bangladesh														
Multiple Indicator Cluster Survey					Global Water Supply and Sanitation Assessment 2000.					Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.																	
Original denomination		Classification			1999			Original denomination		Classification			1999														
		Tap water			Urban			Rural			Total			Population served with household connection		Tap water			Urban			Rural			Total		
		House connections														House connections			28.6			0.0					
		Piped water into dwelling														Piped water into dwelling											
		Piped water to yard/plot														Piped water to yard/plot											
		Public tap, standpipe														Public tap, standpipe											
		Other														Other											
		Ground water														Ground water			69.5			96.6					
		Protected ground water														Protected ground water			69.5			96.6					
		Unprotected ground water														Unprotected ground water											
		Protected wells or springs														Protected wells or springs											
		Private														Private											
		Public														Public											
		Other														Other											
		Unprotected wells or springs														Unprotected wells or springs											
		Private														Private											
		Public														Public											
		Other														Other											
		All wells														All wells											
		Private														Private											
		Public														Public											
		Other														Other											
		Tubewell, borehole														Tubewell, borehole											
		Private														Private											
		Public														Public											
		Other														Other											
		Traditional wells														Traditional wells											
		Private														Private											
		Public														Public											
		Other														Other											
		Protected well														Protected well											
		Private														Private											
		Public														Public											
		Other														Other											
		Unprotected well														Unprotected well											
		Private														Private											
		Public														Public											
		Other														Other											
		All springs														All springs											
		Private														Private											
		Public														Public											
		Other														Other											
		Protected spring														Protected spring											
		Private														Private											
		Public														Public											
		Other														Other											
		Unprotected spring														Unprotected spring											
		Private														Private											
		Public														Public											
		Other														Other											
		Rainwater														Rainwater											
		Covered cistern/tank														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/ Other		Surface water			0.5			3.3			3.0					Surface water											
		River														River											
		Lake														Lake											
		Dam														Dam											
		Pond														Pond											
		Stream														Stream											
		Irrigation channel														Irrigation channel											
		Other														Other											
Tubewell/Tap/Ringwell		Other improved sources			99.6			97.7			97.9					Other improved sources											
		Other														Other											
		Other														Other											
		Other non-improved														Other non-improved			2.0			3.4					
		Cart with small tank/drum														Cart with small tank/drum											
		Tanker truck provided														Tanker truck provided											
		Other														Other											
		Other														Other											
		DK/missing														DK/missing											
		Total			100.1			101.0			100.9					Total			100.0			100.0					
Calculations																Calculations											
Estimations																Estimations											
		Access to improved drinking water sources :			100%			98%			98%					Access to improved drinking water sources :			98%			97%					
		Access to house connections :														Access to house connections :			29%			0%					
		Used for the estimates			No			No								Used for the estimates			No			No					
		Used for the estimates			No			No								Used for the estimates			No			No					
Ratios		HC / Tap water														HC / Tap water			100%			#DIV/0!					
		Public tap / Tap water														Public tap / Tap water											
		Tubewell + protected well / All wells														Tubewell + protected well / All wells											
		Protected wells / Traditional wells														Protected wells / Traditional wells											
		Tubewell / All wells														Tubewell / All wells											
		Protected springs / All springs														Protected springs / All springs											
		Protect. well & spring / well & spring														Protect. well & spring / well & spring											
		Number of people covered by the survey:														Number of people covered by the survey:			34.8			92.6					
		Number of households covered by the survey:														Number of households covered by the survey:											
		Total population:														Total population:											
Comments		NB: Multiple responses were possible														Comments											

Access to drinking water sources		MHS01			Bangladesh			Access to drinking water sources		WHS03			Bangladesh		
Maternal health services and Maternal Mortality survey					World Health Survey										
					2001								2003		
Original denomination	Classification				Urban	Rural	Total	Original denomination	Classification				Urban	Rural	Total
	Tap water								Tap water				32.4	1.1	
	House connections						Piped water through house connection or yard	House connections				25.3	0.6		
	Piped water into dwelling							Piped water into dwelling							
	Piped water to yard/plot							Piped water to yard/plot							
	Public tap, standpipe						Public standpipe	Public tap, standpipe				7.2	0.5		
	Other							Other							
	Ground water								Ground water				67.5	96.2	
	Protected ground water							Protected ground water				67.4	95.3		
	Unprotected ground water							Unprotected ground water				0.1	0.9		
	Protected wells or springs						Protected dug well or protected spring	Protected wells or springs				0.7	2.1	0.0	
	Private							Private							
	Public							Public							
	Other							Other							
	Unprotected wells or springs						Unprotected dug well or spring	Unprotected wells or springs				0.1	0.9		
	Private							Private							
	Public							Public							
	Other							Other							
	All wells							All wells				66.7	93.2		
	Private							Private							
	Public							Public							
	Other							Other							
	Tubewell, borehole						Protected tube well or bore hole	Tubewell, borehole				66.7	93.2		
	Private							Private							
	Public							Public							
	Other							Other							
	Traditional wells							Traditional wells							
	Private							Private							
	Public							Public							
	Other							Other							
	Protected well							Protected well							
	Private							Private							
	Public							Public							
	Other							Other							
	Unprotected well							Unprotected well							
	Private							Private							
	Public							Public							
	Other							Other							
	All springs							All springs							
	Private							Private							
	Public							Public							
	Other							Other							
	Protected spring							Protected spring							
	Private							Private							
	Public							Public							
	Other							Other							
	Unprotected spring							Unprotected spring							
	Private							Private							
	Public							Public							
	Other							Other							
	Rainwater							Rainwater				0.0	0.1		
	Covered cistern/tank						Rainwater (into tank or cistern)	Covered cistern/tank				0.0	0.1		
	Uncovered cistern/tank							Uncovered cistern/tank							
	Bottled water							Bottled water							
	with other improved							with other improved							
	without other improved							without other improved							
	Surface water						Water taken directly from pond-water or str	Surface water				0.1	2.6		
	River							River							
	Lake							Lake							
	Dam							Dam							
	Pond							Pond							
	Stream							Stream							
	Irrigation channel							Irrigation channel							
	Other							Other							
	Other improved sources							Other improved sources							
	Other							Other							
	Other							Other							
	Other non-improved							Other non-improved							
	Cart with small tank/drum							Cart with small tank/drum							
	Tanker truck provided							Tanker truck provided							
	Other							Other							
	Other							Other							
	DK/missing							DK/missing							
	Total							Total				100.0	100.0		
Calculations															
												0.7	2.1		
											0.0	0.0			
Estimations															
												-13.5	-19.1		
Access to improved drinking water sources :							Access to improved drinking water sources :				86%	77%			
Access to house connections :							Access to house connections :				25%	1%			
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							HC / Tap water				78%	54%		
	Public tap / Tap water							Public tap / Tap water				22%	46%		
	Tubewell + protected well / All wells							Tubewell + protected well / All wells							
	Protected wells / Traditional wells							Protected wells / Traditional wells							
	Tubewell / All wells							Tubewell / All wells				100%	100%		
	Protected springs / All springs							Protected springs / All springs							
	Protect. well & spring / well & spring							Protect. well & spring / well & spring				91%	70%		
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							Comments								

Bangladesh			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
Demographic and Health Survey	DHS94	1994	26.7		86.7		0.3		75.1	
Multiple Indicator Cluster Survey	MICS94	1994	26.0		87.2		0.1		76.2	
Multiple Indicator Cluster Survey	MICS95	1995	25.5		86.4		0.1		75.9	
Multiple Indicator Cluster Survey	MICS96	1996	29.6		88.0		0.3		77.5	
Demographic and Health Survey	DHS97	1997	32.1		87.3		0.4		76.8	
	SVRS98	1998	25.9		87.3			7.5	78.4	
Multiple Indicator Cluster Survey	MICS99	1999				99.6				97.7
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		28.6		98.0		0.0		96.6
Progotir Pathay	PP00	2000				99.5				97.3
Demographic and Health Survey	DHS00	2000	24.2		85.6		0.1		77.0	
Maternal health services and Maternal Mortality survey	MHS01	2001								
World Health Survey	WHS03	2003	25.3		86.4		0.6		77.5	
Demographic and Health Survey	DHS04	2004	23.3		85.5		0.0		77.7	
Multiple Cluster Indicator Survey	MICS06	2006	22.4		84.7		0.3		77.8	
Demographic and Health Survey	DHS07	2007	26.2		85.3		0.2		77.1	

Bangladesh - urban - Use of improved drinking water sources



Total improved access

Household connections (HC)

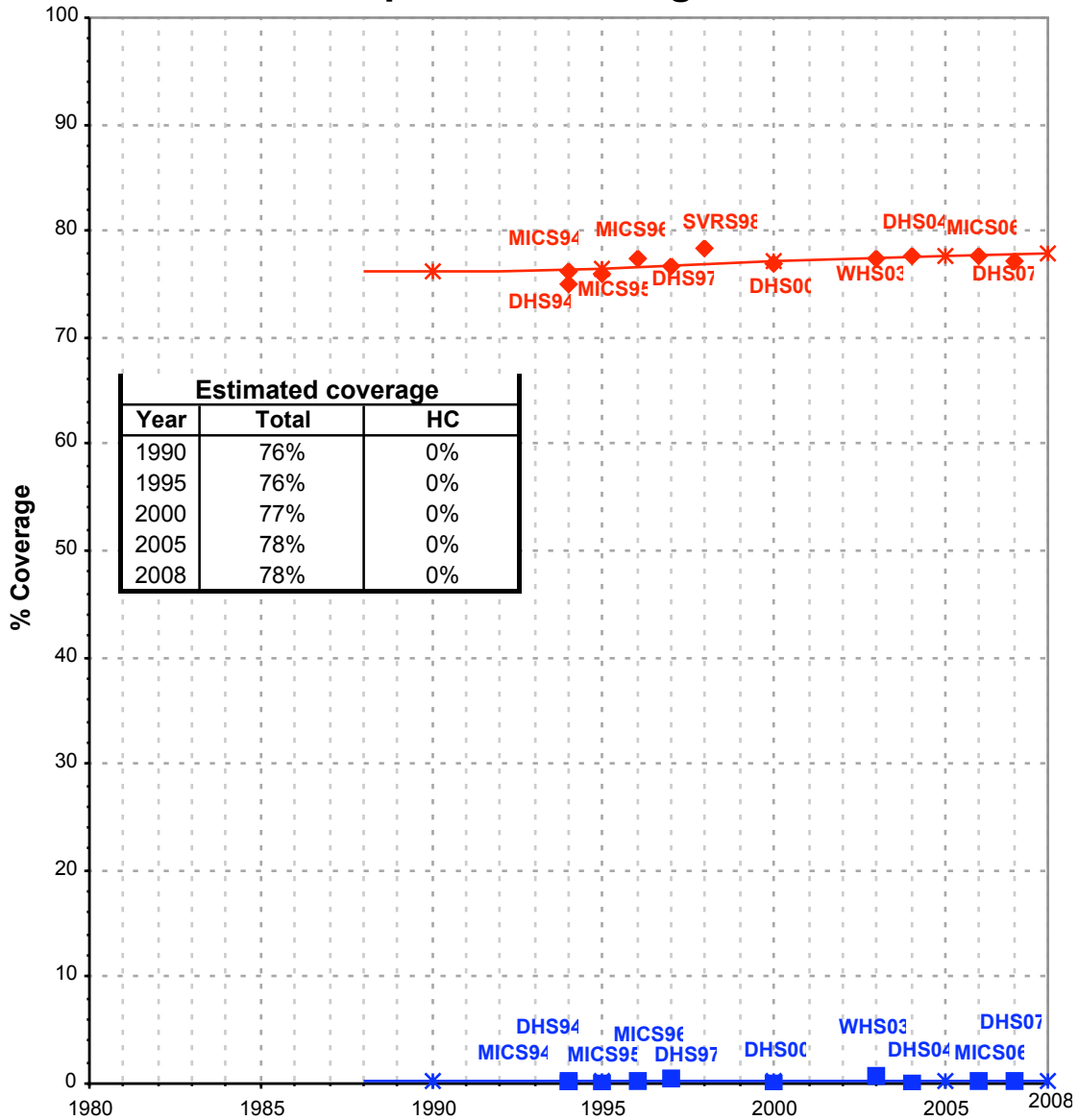
◆ Used for the estimates ■ Used for the estimates * Estimates * Estimates

Total access :

Deduction has been made of 20% of all wells for arsenic contamination reasons.

Household connections :

Bangladesh - rural - Use of improved drinking water sources



Total improved access

Household connections (HC)

◆ Used for the estimates ■ Used for the estimates * Estimates * Estimates

Total access :

Deduction has been made of 20% of all wells for arsenic contamination reasons.

Household connections :