



WHO / UNICEF

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

Coverage Estimates
Improved Sanitation

Updated in July 2008

Bangladesh

Urban and Rural Sanitation - Bangladesh

DHS		1994		
Sanitation	Urban	Rural	Total	
Septic Tank, modern	49.4	4.2	9.3	
Water sealed/slab latrine	22.8	14.8	15.7	
Pit latrine	8.4	16.6	15.7	
Open latrine	9.1	20.7	19.3	
Hanging latrine	4.9	10.0	9.4	
No facility/bush	4.8	33.4	30.2	
Other	0.6	0.4	0.4	
TOTAL	100.0	100.1	100.0	
Estimated improved pit latrines based on MICS06	7.0	11.8		
Ratio no facility/no facility+other	0.9	1.0	1.0	
% Use of an improved sanitation facility	79%	31%		
% Sewerage connections				

MICS		1994		
Sanitation	Urban	Rural	Total	
Water Seal	47.7	7.4	11.4	
Pit	28.9	22.8	23.4	
Hanging	17.0	35.9	34.0	
Other	6.8	34.8	32.0	
Total	100.4	100.9	100.8	
Estimated improved pit based on MICS06	24.2	16.2		
Estimated No facility (ratio from DHS94)	6.04	34.39	31.58	
% Use of an improved sanitation facility	72%	23%		
% Sewerage connections				

MICS 1996		
Urban	Rural	Total
52.1	8.6	13.3
27.3	35.6	34.7
15.9	37.9	34.8
5.3	19.5	18.0
100.6	101.6	100.8
22.9	25.4	
4.71	19.27	17.76
75%	33%	
% Sewerage connections		

DHS 1997			
Sanitation	Urban	Rural	Total
Septic Tank, modern	50.8	4.3	9.6
Water sealed/slab latrine	26.6	20.2	20.9
Traditional pit latrine	5.6	13.6	12.7
Open latrine	11.4	26.6	24.9
Hanging latrine	1.4	6.1	5.5
No facility/bush	4.2	29.1	26.3
Other	0.1	0.2	0.2
TOTAL	100.1	100.1	100.1
Estimated improved traditional pit latrines based on MICS06	4.7	9.7	
% Use of an improved sanitation facility	82%	34%	
% Sewerage connections			

SVRS		1998		
Sanitation	Urban	Rural	Total	
Sanitary Latrine	27040	7315		
Pit Latrine	0	28428		
Open Kutcha Latrine	2679 5081	26299 30558		
Total	34800	92600		
Estimated improved pit based on MICS06	0	20248		
% Use of an improved sanitation facility	78%	30%		
% Sewerage connections				

MICS		1999	
Sanitation	Urban	Rural	
Water Seal	44.5	8.3	
Pit	20.6	29.1	
Hanging Open defecation	32.6 3.9	40.6 27.0	
Total*	101.6	105.0	
Estimated improved pit based on MICS06	17.2	20.7	
<p>100%. However, according to the Bangladesh CO (email 14 March 2001), answers of both Water Seal and Pit amounts to around 0.001%, so negligible problem for determination of total access to improved sanitation</p>			
% Use of an improved sanitation facility	62%	29%	
% Sewerage connections			

Survey

Progotir Pathy			2000
Sanitation	Urban	Rural	Total
Water Seal	42.9	10.0	13.6
Pit	18.3	39.3	29.9
Hanging	37.1	37.6	37.5
Open defecation	2.9	26.1	23.7
Total*	101.2	113.0	104.7
Estimated improved pit based on MICS06	15.3	28.0	
* multiple responses were possible explaining sum larger than 100%.			
% Use of an improved sanitation facility	58%	38%	
% Sewerage connections			

DHS		2000
Sanitation	Urban	Rural
Septic Tank, modern	35.1	4.3
Water sealed/slab latrine	28.7	25.0
Traditional pit latrine	10.8	20.0
Open latrine	20.8	23.0
Hanging latrine	1.3	3.7
No facility/bush	3.0	23.8
Other	0.1	0.1
No data	0.3	0.2
Estimated improved traditional pit latrines based on MICS06	9.0	14.2
% Use of an improved sanitation facility	73%	44%
% Sewerage connections		

MHS			2001	
SANITATION	Urban	Rural		
Septic tank, modern toilet	26.1	4.7		
Water sealed/slab latrines	20.8	14.6		
Traditional pit latrine	22.5	25.6		
Open latrine	17.6	24.8		
Hanging latrine	2.6	3.7		
No facility	10.4	26.6		
TOTAL	100.0	100.0		
Estimated improved traditional pit latrines based on MICS06	18.8	18.2		
% Use of an improved sanitation facility	66%	38%		
% Sewerage connections	22%			

Source: Bangladesh Maternal health services and Maternal Mortality survey 2001

WHS		2003	
SANITATION	Urban		
Private domestic connection to sewage system	8.3		
Shared domestic connection to sewage system	4.7		
Private flush to septic tank	15.5		
Shared flush to septic tank	5.0		
Private pour flush latrine	16.3		
Shared pour flush latrine	8.1		
Private covered dry latrine (with privacy)	17.6		
Shared covered dry latrine (with privacy)	13.5		
Uncovered dry latrine (without privacy)	6.0		
Bucket latrine (where fresh excreta are manually removed)	0.1		
No facilities (open defecation)	4.4		
Other	0.7		
TOTAL	100.0		
Ratio improved dry latrines/all dry latrines	0.84		
% Use of an improved sanitation facility	89%		
% Sewerage connections	13%		

Source: World Health Survey, WHO, 2003.

DHS			2004	
SANITATION			Urban	Rural
Septic tank, modern toilet	29.5	3.2		
Water sealed/slab latrine	18.5	12.8		
Pit latrine	23.1	39.0		
Open latrine	23.0	26.7		
Hanging latrine	1.7	1.9		
No facility/bush Other	4.2	16.4		
TOTAL	100.0	100.0		
Estimated improved pit latrines based on MICS06	19.3	27.8		
% Use of an improved sanitation facility	67%	44%		
% Sewerage connections				

Source: Bangladesh Demographic and Health Survey 2004.

MICS	
facilities	
SANITATION	
Flush to piped sewer system	
Flush to septic tank	
Flush to pit (latrine)	
Pit latrine with slab	
Flush to unknown place/not sure/DK where	
Flush to somewhere else	
Pit latrine without slab/open pit	
Bucket	
Hanging toilet/hanging latrine	
No facilities or bush or field	
Other	
Missing	
TOTAL	
Ratio pit latrine with slab/all (non) flush pit latrines	
% Use of an improved sanitation facility	
% Sewerage connections	

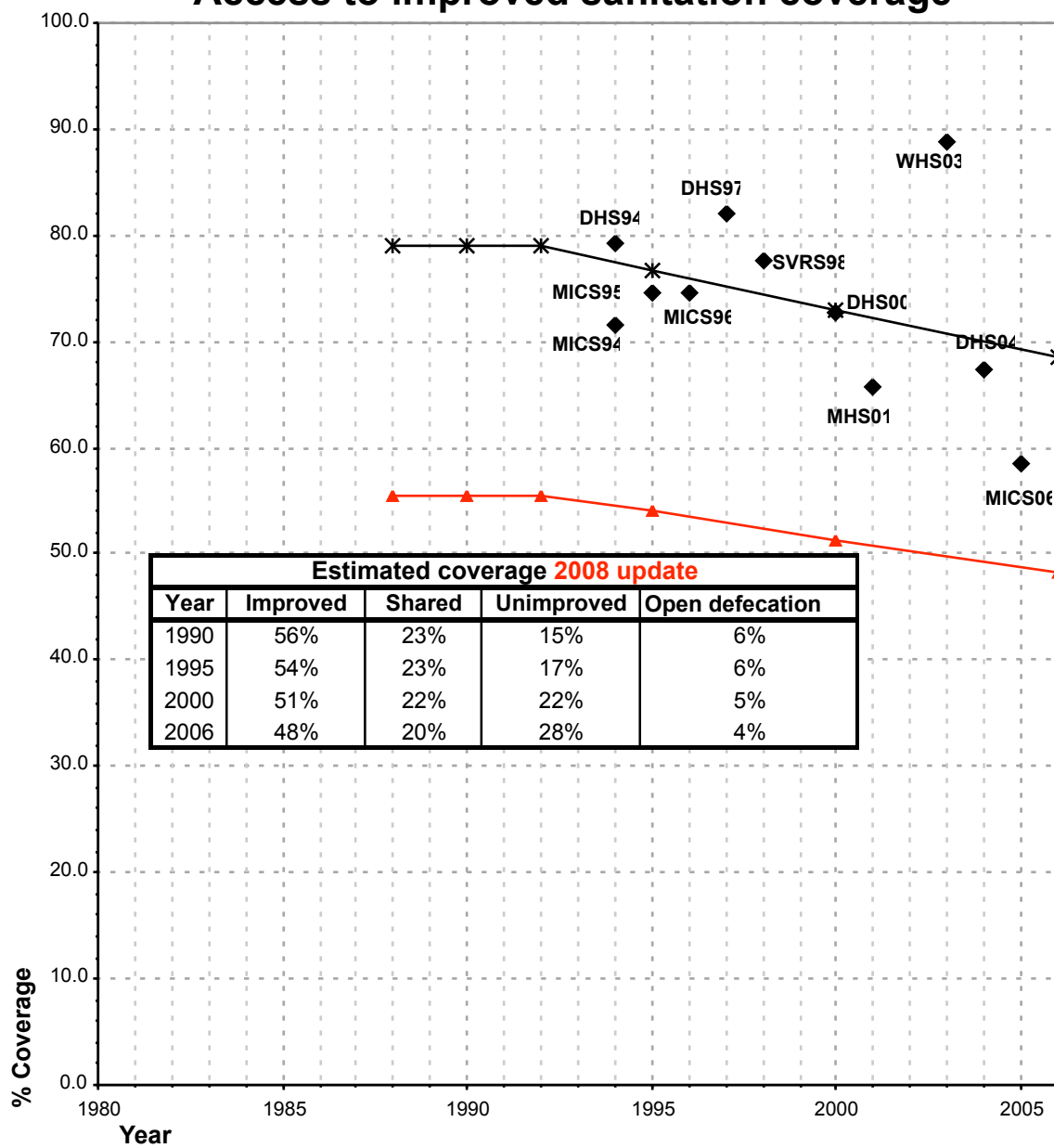
Source: Bangladesh Multiple Cluster Indicator Survey (MICS) 2006.

Estimates

FORM-6/WHO	1999	
Sanitation	Urban	Rural
Population served with household connections to conventional sewers	1992	0
Population without household connections but served with adequate, private or shared on-site system	22750	37982
Total population served	24740	37982
Total population unserved	10060	54618
Total population	34800	92600
% Use of an improved sanitation facility	71%	41%
% Sewerage connections		

Bangladesh			SANITATION								OPEN DEFECCATION			
			URBAN				RURAL							
			Source	Code	Year	HC		Total		HC		Total		Urban
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	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				21.0				1.0				
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1983). WHO 1986.	WHO83	1983		5.0		21.0				2.0				
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1988		6.0		37.0				4.0				
The International Drinking Water Supply and Sanitation Decade. End of Decade Review (as at December 1990). WHO1992.	WHO90	1990		4.0		40.0				4.0				
Water Supply and Sanitation Sector Monitoring Report 1993 (Sector Status as of 31 December 1991)	JMP93	1991				64.0				26.0				
Demographic and Health Survey, Bangladesh, 1994	DHS94	1994	0.0		79.2				30.8		4.8		33.4	
Multi-Indicator Cluster Survey, 1994, Bangladesh	MICS94	1994			71.6				23.4		6.0		34.4	
Water Supply and Sanitation Sector Monitoring Report - 1996. Sector Status as of 31 December 1994. WHO/UNICEF 1996.	JMP96	1994				77.0				30.0				
Multi-Indicator Cluster Survey, 1995, Bangladesh	MICS95	1995			74.6				28.1		6.4		30.8	
Multi-Indicator Cluster Survey, 1996, Bangladesh	MICS96	1996			74.5				33.4		4.7		19.3	
Demographic and Health Survey, Bangladesh, 1997	DHS97	1997	0.0		82.0				34.2		4.2		29.1	
	SVRS98	1998			77.7				29.8		7.7		28.4	
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)	JMP99	1999		6.0		71.0		0.0		39.0				
Multi-Indicator Cluster Survey, 1999, Bangladesh Burea of Statistics & UNICEF	MICS99	1999				58.4				21.3		3.9		27.0
Progotir Pathay, 2000, Bangladesh Burea of Statistics & UNICEF	PP00	2000				55.0				28.0		2.9		26.1
Bangladesh Demographic and Health Survey 2000.	DHS00	2000	0.0		72.8				43.5		3.0		23.8	
World Health Survey, WHO, 2003	WHS03	2003	13.0		88.9		0.5		54.9		4.4		23.6	
Bangladesh Maternal health services and Maternal Mortality survey 2001	MHS01	2001	21.8		65.7				37.5		10.4		26.6	
Bangladesh Demographic and Health Survey 2004.	DHS04	2004	0.0		67.3				43.8		4.2		16.4	
Multi-Indicator Cluster Survey, 2005, Bangladesh Burea of Statistics & UNICEF	MICS05	2005	7.9		58.6		0.0		31.6		2.6		9.5	

Bangladesh - urban - Access to improved sanitation coverage



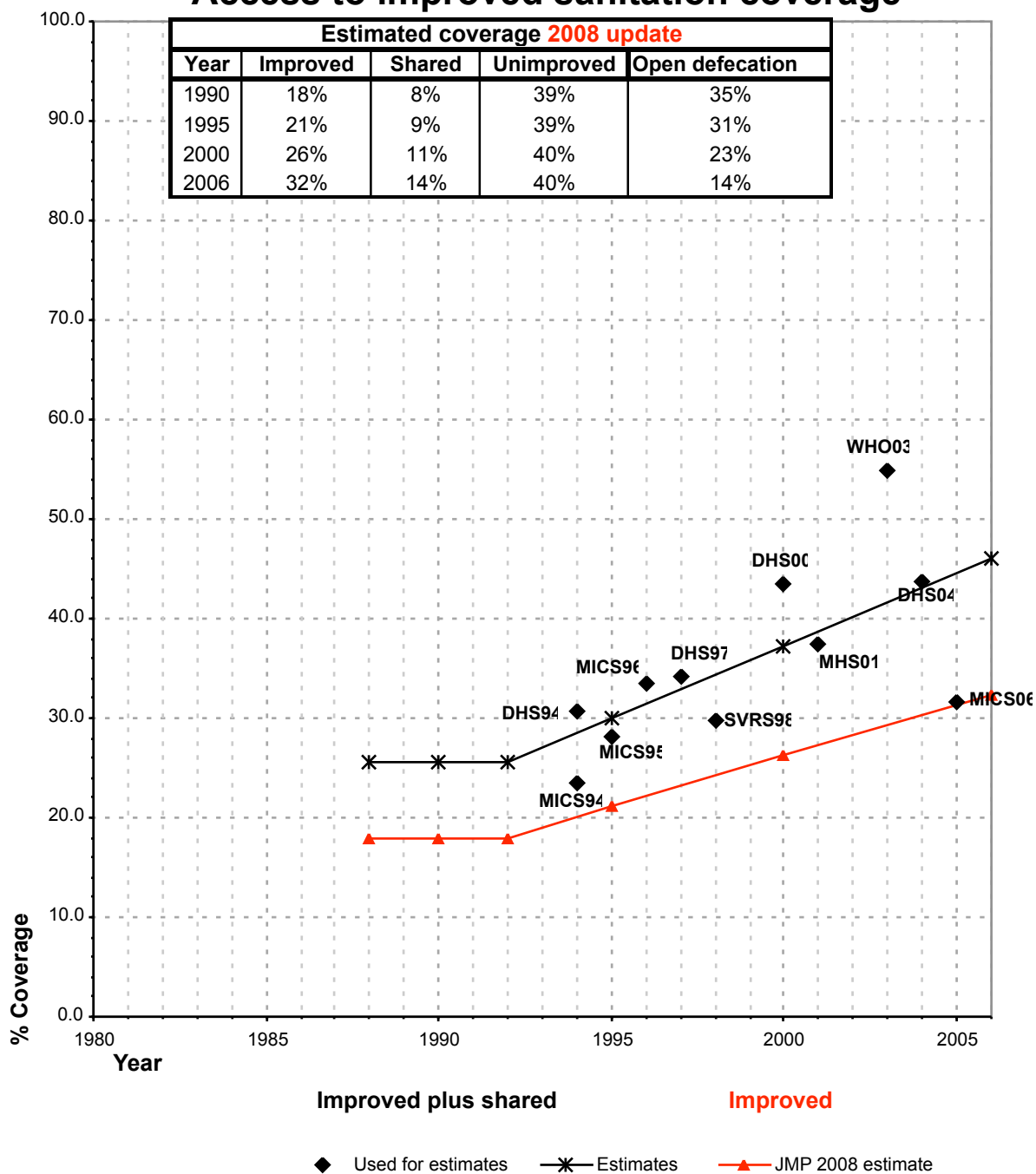
Improved plus shared

Improved

◆ Used for estimates ✱ Estimates ▲ JMP 2008 estimate

Shared facilities :
The proportion of the population using a shared improved sanitation facility is based on the MICS05

Bangladesh - rural - Access to improved sanitation coverage



Shared facilities :
The proportion of the population using a shared improved sanitation facility is based on the MICS05