

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

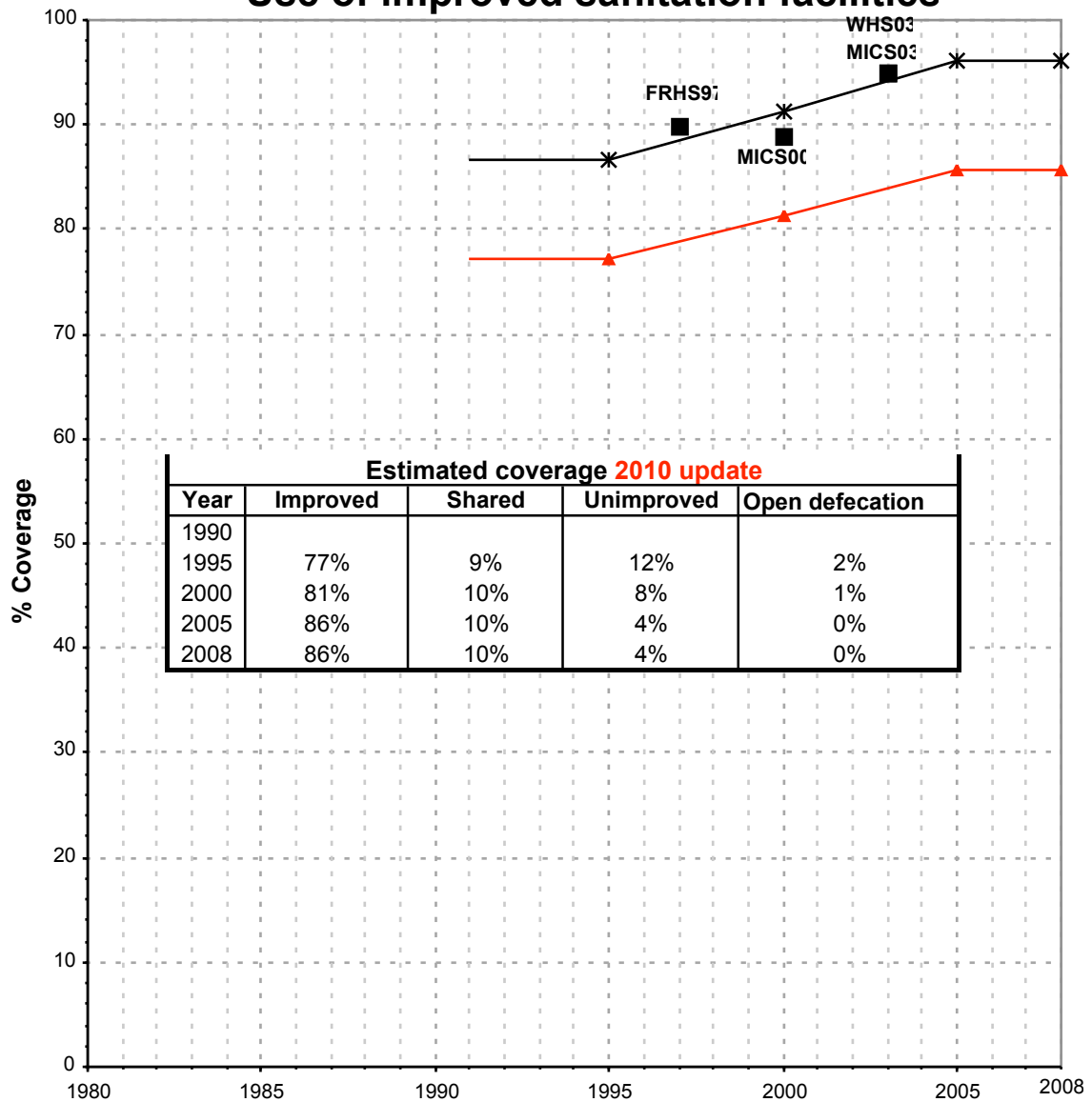
Use of sanitation facilities		MICS95			Myanmar			Use of sanitation facilities		FRHS97			Myanmar		
Multiple Indicator Cluster Survey					Fertility and Reproductive Health Survey										
Monitoring Progress towards the goals of WSC, draft report, November 1995					1995					1997					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush					Flush and pour flush	82.4	38.0							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Flush/toilets				Flush	Flush/toilets	0.7	0.1							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Private flush/toilet					Private flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared flush/toilet					Public/shared flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Latrines					Latrines	96.7	70.8							
	Pour flush latrines				Water Seal	Pour flush latrines	81.7	37.9							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Private pour flush latrine					Private pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared pour flush latrine					Public/shared pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Dry latrines					Dry latrines	15.0	32.9							
	Improved latrines					Improved latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine				Pit*	Pit latrine with slab/covered latrine	14.7	32.4							
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine				Bucket	Bucket latrine	0.3	0.5							
	Other					Other									
	Private Latrines					Private Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Public/shared Latrines					Public/shared Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Composting toilets					Composting toilets									
	Composting toilet (private)					Composting toilet (private)									
	Composting toilet (shared)					Composting toilet (shared)									
Flush to sewage system, flush to septic tank, poor flu	Other improved	56.3	35.8			Other improved									
	Other					Other									
	No facility, bush, field				None	No facility, bush, field	1.8	20.0							
	Other unimproved				Other	Other unimproved	0.8	9.1							
	Other					Other	0.8	9.1							
	DK/missing information					DK/missing information									
	Total	56.3	35.8			Total	100.0	100.0							
Calculations					Calculations										
Estimations					Estimations	50% of traditional latrines considered improved	7.4	16.2							
						SC, based on WHS03	5.5	0.1							
Access to improved sanitation :		56%	36%		Access to improved sanitation :		90%	54%							
Access to sewerage connections :					Access to sewerage connections :		6%	0%							
	Used for the estimates	No	No			Used for the estimates	Yes	Yes							
	Used for the estimates	Yes	Yes			Used for the estimates	Yes	Yes							
Ratios	Shared improved facilities/all improved facilities					Shared improved facilities/all improved facilities									
	Improved latrine / All latrines					Improved latrine / All latrines	84%	54%							
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines					Traditional latrines / All latrines	15%	46%							
	Improved + traditional latrines / All latrines					Improved + traditional latrines / All latrines	100%	99%							
	Sewerage connection among flush/pour flush					Sewerage connection among flush/pour flush									
	Sewerage connection among flush					Sewerage connection among flush									
	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	Only total figure for improved categories available				Comments										

Use of sanitation facilities		MICS97			Myanmar			Use of sanitation facilities		JMP99			Myanmar		
Multiple Indicator Cluster Survey					1997			Global Water Supply and Sanitation Assessment 2000.					1999		
Monitoring Progress Toward the Goals of National Programme for Myanmar's Children					1997			Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1999		
Original denomination	Classification				Urban	Rural	Total	Original denomination	Classification				Urban	Rural	Total
	Flush and pour flush							Population served with household connections to conventional	Flush and pour flush				2.9	0.0	
	to piped sewer system								to piped sewer system				2.9	0.0	
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Flush/toilets								Flush/toilets						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Private flush/toilet								Private flush/toilet						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Public/shared flush/toilet								Public/shared flush/toilet						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Latrines								Latrines						
	Pour flush latrines								Pour flush latrines						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Private pour flush latrine								Private pour flush latrine						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Public/shared pour flush latrine								Public/shared pour flush latrine						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Dry latrines								Dry latrines						
	Improved latrines								Improved latrines						
	Vented Improved Pit latrine								Vented Improved Pit latrine						
	Pit latrine with slab/covered latrine								Pit latrine with slab/covered latrine						
	Traditional latrine								Traditional latrine						
	Pit latrine without slab/open pit								Pit latrine without slab/open pit						
	Hanging toilet/hanging latrine								Hanging toilet/hanging latrine						
	Bucket latrine								Bucket latrine						
	Other								Other						
	Private Latrines								Private Latrines						
	Vented Improved Pit latrine								Vented Improved Pit latrine						
	Pit latrine with slab/covered latrine								Pit latrine with slab/covered latrine						
	Traditional latrine								Traditional latrine						
	Pit latrine without slab/open pit								Pit latrine without slab/open pit						
	Hanging toilet/hanging latrine								Hanging toilet/hanging latrine						
	Bucket latrine								Bucket latrine						
	Other								Other						
	Public/shared Latrines								Public/shared Latrines						
	Vented Improved Pit latrine								Vented Improved Pit latrine						
	Pit latrine with slab/covered latrine								Pit latrine with slab/covered latrine						
	Traditional latrine								Traditional latrine						
	Pit latrine without slab/open pit								Pit latrine without slab/open pit						
	Hanging toilet/hanging latrine								Hanging toilet/hanging latrine						
	Bucket latrine								Bucket latrine						
	Other								Other						
	Composting toilets								Composting toilets						
	Composting toilet (private)								Composting toilet (private)						
	Composting toilet (shared)								Composting toilet (shared)						
Flush to sewage system, flush to septic tank, covered	Other improved				64.5	39.0		Population without household connections but served	Other improved				69.9	57.2	
	Other								Other						
	Other								Other						
	No facility, bush, field							Total population unserved	No facility, bush, field						
	Other unimproved								Other unimproved				27.2	42.8	
	Other								Other						
	Other								Other						
	DK/missing information								DK/missing information						
	Total				64.5	39.0			Total				100.0	100.0	
Calculations								Calculations							
Estimations								Estimations							
Access to improved sanitation :					65%	39%		Access to improved plus shared sanitation:					73%	57%	
Access to sewerage connections :								Access to sewerage connections :					3%	0%	
Used for the estimates					No	No		Used for the estimates					No	No	
Used for the estimates					Yes	Yes		Used for the estimates					No	No	
Ratios	Shared improved facilities/all improved facilities							Shared improved facilities/all improved facilities							
	Improved latrine / All latrines							Improved latrine / All latrines							
	Covered dry latrines / All dry latrines							Covered dry latrines / All dry latrines							
	VIP / All latrines							VIP / All latrines							
	Traditional latrines / All latrines							Traditional latrines / All latrines							
	Improved + traditional latrines / All latrines							Improved + traditional latrines / All latrines							
	Sewerage connection among flush/pour flush							Sewerage connection among flush/pour flush							
Sewerage connection among flush							Sewerage connection among flush								
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:					13973	34150	
Comments	Figures not available for each category used, only total figure for improved sanitation							Comments							

Use of sanitation facilities		MICS00			Myanmar			Use of sanitation facilities		MICS03			Myanmar		
Multiple Indicator Cluster Survey					2000			Multiple Indicator Cluster Survey					2003		
Report					2000			Report					2003		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	19.1	1.1			Flush and pour flush	29.3	3.6							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Flush to sewerage system/septic tank	Flush/toilets	19.1	1.1		Flush to sewerage system or septic tank	Flush/toilets	29.3	3.6							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Private flush/toilet					Private flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared flush/toilet					Public/shared flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Latrines	79.3	80.7			Latrines	70.1	86.2							
	Pour flush latrines					Pour flush latrines									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Private pour flush latrine					Private pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared pour flush latrine					Public/shared pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Dry latrines	79.3	80.7			Dry latrines	70.1	86.2							
	Improved latrines	64.5	55.4			Improved latrines	63.3	67.1							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
Covered pit latrine	Pit latrine with slab/covered latrine	64.5	55.4		Improved pit latrine	Pit latrine with slab/covered latrine	63.3	67.1							
Uncovered pit latrine	Traditional latrine	10.3	16.8		Traditional pit latrine	Traditional latrine	4.6	13.5							
Surface latrine (Open pit)	Pit latrine without slab/open pit	4.5	8.5		Surface latrine	Pit latrine without slab/open pit	2.2	5.6							
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Private Latrines					Private Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Public/shared Latrines					Public/shared Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Composting toilets					Composting toilets									
	Composting toilet (private)					Composting toilet (private)									
	Composting toilet (shared)					Composting toilet (shared)									
	Other improved					Other improved									
	Other					Other									
	Other					Other									
No facilities/bush/field	No facility, bush, field	1.5	18.2		No facilities/bush/field	No facility, bush, field	0.6	10.2							
	Other unimproved					Other unimproved									
	Other					Other									
	Other					Other									
	DK/missing information					DK/missing information									
	Total	99.9	100.0			Total	100.0	100.0							
Calculations					Calculations										
	50% of traditional latrines considered improved	5.2	8.4			50% of traditional latrines considered improved	2.3	6.8							
Estimations					Estimations										
	SC, based on WHS03	6.9	0.2			SC, based on WHS03	10.6	0.6							
Access to improved sanitation : 89% 65%					Access to improved sanitation : 95% 77%										
Access to sewerage connections : 7% 0%					Access to sewerage connections : 11% 1%										
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	Shared improved facilities/all improved facilities	81%	69%		Ratios	Shared improved facilities/all improved facilities	90%	78%							
	Improved latrine / All latrines	81%	69%			Improved latrine / All latrines	90%	78%							
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines	13%	21%			Traditional latrines / All latrines	7%	16%							
	Improved + traditional latrines / All latrines	94%	89%			Improved + traditional latrines / All latrines	97%	94%							
	Sewerage connection among flush/pour flush					Sewerage connection among flush/pour flush									
Sewerage connection among flush				Sewerage connection among flush											
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										

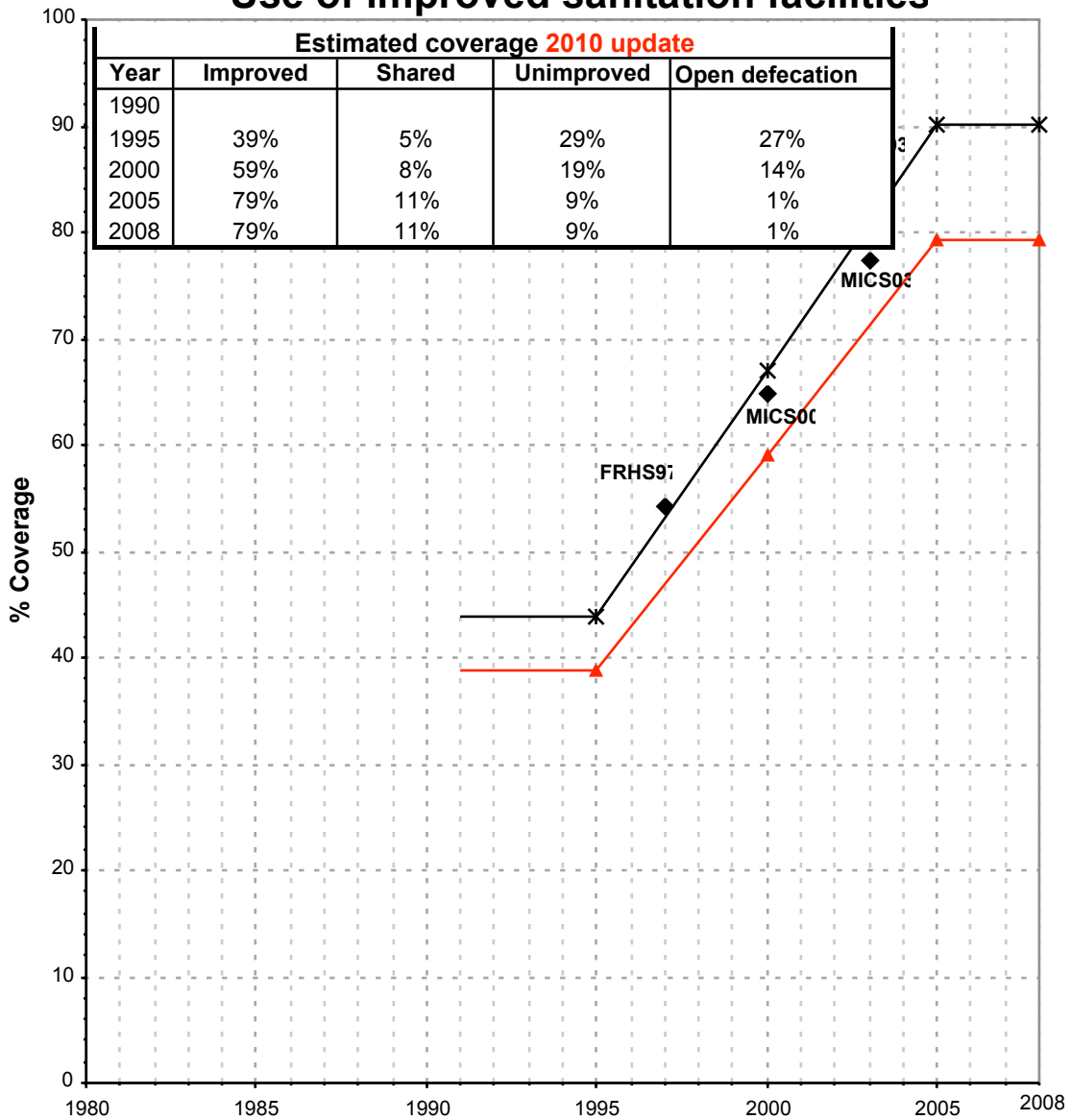
Myanmar			SANITATION															
			URBAN								RURAL							
			Sewer connection		Total		Open defecation		Shared		Sewer connection		Total		Open defecation		Shared	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Multiple Indicator Cluster Survey	MICS95	1995				56.3								35.8				
Fertility and Reproductive Health Survey	FRHS97	1997	5.5		89.8		1.8				0.1		54.2		20.0			
Multiple Indicator Cluster Survey	MICS97	1997				64.5								39.0				
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		2.9		72.8						0.0		57.2				
Multiple Indicator Cluster Survey	MICS00	2000	6.9		88.8		1.5				0.2		64.9		18.2			
Multiple Indicator Cluster Survey	MICS03	2003	10.6		94.9		0.6				0.6		77.5		10.2			
World Health Survey	WHS03	2003	6.1		94.8		0.0		10.9		0.1		85.2		0.0		11.8	

Myanmar - urban - Use of improved sanitation facilities



■ Used for the estimates * Estimates ▲ JMP 2010 estimate

Myanmar - rural - Use of improved sanitation facilities



◆ Used for the estimates ✱ Estimates ▲ JMP 2010 estimate

Sanitation

Myanmar	Sanitation coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1995	2008	1995	2008	1995	2008
Improved facilities	77	86	39	79	49	81
Shared facilities	9	10	5	11	6	11
Unimproved facilities	12	4	29	9	25	7
Open defecation	2	0	27	1	20	1

Source: WHO/UNICEF JMP, 2010

Myanmar	Urban		Rural		Total	
	1995	2008	1995	2008	1995	2008
Population (x1000)	11460.28	16,145	32403.45	33,418	43863.72	49,563

Source: UN / Population Division, 2008

