

**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](http://childinfo.org)

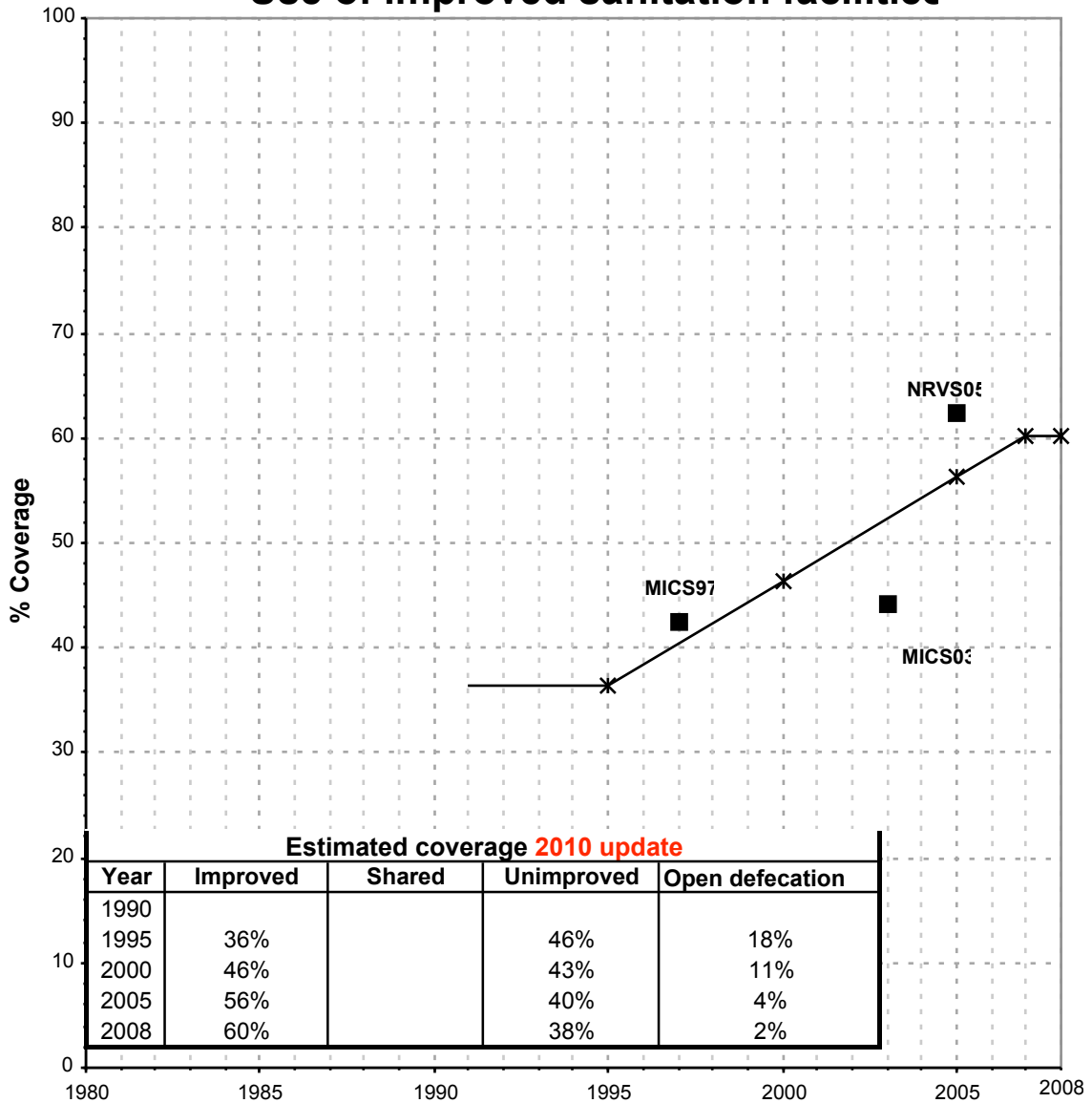
Use of sanitation facilities		MICS97			Afghanistan			Use of sanitation facilities		JMP99			Afghanistan		
Multiple Indicator Cluster Survey					1997			Global Water Supply and Sanitation Assessment 2000.					1999		
								Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.							
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	<b>Flush and pour flush</b>	6.1	0.4			<b>Flush and pour flush</b>	1.0	0.0							
	to piped sewer system				Population served with household connections to conventional	to piped sewer system	1.0	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 latrine	<b>Flush/toilets</b>	6.1	0.4			<b>Flush/toilets</b>									
	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									
	<b>Private flush/toilet</b>					<b>Private flush/toilet</b>									
	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									
	<b>Public/shared flush/toilet</b>					<b>Public/shared flush/toilet</b>									
	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									
	<b>Latrines</b>	80.3	65.1			<b>Latrines</b>									
	<b>Pour flush latrines</b>					<b>Pour flush latrines</b>									
	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									
	<b>Private pour flush latrine</b>					<b>Private pour flush latrine</b>									
	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									
	<b>Public/shared pour flush latrine</b>					<b>Public/shared pour flush latrine</b>									
	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									
	<b>Dry latrines</b>	80.3	65.1			<b>Dry latrines</b>									
	<b>Improved latrines</b>	1.7	1.8			<b>Improved latrines</b>									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine	1.7	1.8			Pit latrine with slab/covered latrine									
	Traditional latrine	17.1	6.2			Traditional latrine									
	Pit latrine without slab/open pit	52.2	45.3			Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other	9.3	11.8			Other									
	<b>Private Latrines</b>					<b>Private Latrines</b>									
	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									
	<b>Public/shared Latrines</b>					<b>Public/shared Latrines</b>									
	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									
	<b>Composting toilets</b>					<b>Composting toilets</b>									
	Composting toilet (private)					Composting toilet (private)									
	Composting toilet (shared)					Composting toilet (shared)									
	<b>Other improved</b>				Population without household connections but served	<b>Other improved</b>	27.5	6.5							
	Other					Other									
	Other					Other									
Open field toilet	<b>No facility, bush, field</b>	13.5	34.0		Total population unserved	<b>No facility, bush, field</b>	71.5	93.5							
	<b>Other unimproved</b>					<b>Other unimproved</b>									
	Other					Other									
	Other					Other									
	<b>DK/missing information</b>					<b>DK/missing information</b>									
	<b>Total</b>	99.9	99.5			<b>Total</b>	100.0	100.0							
<b>Calculations</b>						<b>Calculations</b>									
	50% pit and vault latrine estimated to be improved	34.7	25.8												
<b>Estimations</b>						<b>Estimations</b>									
	SC, based on MICS03	6.1	0.4												
<b>Access to improved sanitation :</b>		<b>42%</b>	<b>28%</b>		<b>Access to improved plus shared sanitation:</b>		<b>28%</b>	<b>6%</b>							
<b>Access to sewerage connections :</b>		<b>6%</b>	<b>0%</b>		<b>Access to sewerage connections :</b>		<b>1%</b>	<b>0%</b>							
Used for the estimates		Yes	Yes		Used for the estimates		No	No							
Used for the estimates		Yes	Yes		Used for the estimates		No	No							
<b>Ratios</b>	Shared improved facilities/all improved facilities				<b>Ratios</b>	Shared improved facilities/all improved facilities									
	Improved latrine / All latrines	2%	3%			Improved latrine / All latrines									
	Covered dry latrines / All dry latrines	2%	3%			Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines	21%	10%			Traditional latrines / All latrines									
	Improved + traditional latrines / All latrines	23%	12%			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		4925	14775							
<b>Comments</b>	compounds use a small paved area surrounded on 3 sides by low walls, excreta built up, dry and are eventually moved. The sum of vault pour latrines and pit latrines corresponds to the category traditional pit				<b>Comments</b>										

Use of sanitation facilities		MICS00			East Afghanistan			Use of sanitation facilities		MICS03			Afghanistan	
Multiple Indicator Cluster Survey					2000			Multiple Indicator Cluster Survey					2003	
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total					
	<b>Flush and pour flush</b>		1.0			<b>Flush and pour flush</b>	8.2	0.4						
	to piped sewer system					to piped sewer system	8.2	0.4						
	to septic tank					to septic tank								
	to pit					to pit								
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere								
Flush to sewage/septic system	<b>Flush/toilets</b>		1.0		Flush to sewage	<b>Flush/toilets</b>	8.2	0.4						
	to piped sewer system					to piped sewer system	8.2	0.4						
	to septic tank					to septic tank								
	to pit					to pit								
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere								
	<b>Private flush/toilet</b>					<b>Private flush/toilet</b>								
	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 elsewhere					to unknown place/ not sure/DK to elsewhere								
	<b>Public/shared flush/toilet</b>					<b>Public/shared flush/toilet</b>								
	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 elsewhere					to unknown place/ not sure/DK to elsewhere								
	<b>Latrines</b>		58.5			<b>Latrines</b>	78.5	57.4						
	<b>Pour flush latrines</b>					<b>Pour flush latrines</b>								
	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 elsewhere					to unknown place/ not sure/DK to elsewhere								
	<b>Private pour flush latrine</b>					<b>Private pour flush latrine</b>								
	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 elsewhere					to unknown place/ not sure/DK to elsewhere								
	<b>Public/shared pour flush latrine</b>					<b>Public/shared pour flush latrine</b>								
	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 elsewhere					to unknown place/ not sure/DK to elsewhere								
	<b>Dry latrines</b>		58.5			<b>Dry latrines</b>	78.5	57.4						
	<b>Improved latrines</b>		1.3			<b>Improved latrines</b>								
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine								
Improved pit latrine	Pit latrine with slab/covered latrine		1.3		Traditional pit	Pit latrine with slab/covered latrine								
Traditional pit latrine	Traditional latrine		41.4		Open pit	Traditional latrine	72.0	51.2						
Open pit	Pit latrine without slab/open pit		4.2			Pit latrine without slab/open pit	6.5	6.2						
Bucket	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine								
Deran	Bucket latrine		0.3			Bucket latrine								
	Other		11.3			Other								
	<b>Private Latrines</b>					<b>Private Latrines</b>								
	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								
	<b>Public/shared Latrines</b>					<b>Public/shared Latrines</b>								
	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								
	<b>Composting toilets</b>					<b>Composting toilets</b>								
	Composting toilet (private)					Composting toilet (private)								
	Composting toilet (shared)					Composting toilet (shared)								
	<b>Other improved</b>					<b>Other improved</b>								
	Other					Other								
No facilities, bush or field	<b>No facility, bush, field</b>		40.0		Bush/Field	<b>No facility, bush, field</b>	12.8	39.2						
Other	<b>Other unimproved</b>		0.4		Others	<b>Other unimproved</b>	0.5	3.0						
	Other		0.4			Other	0.5	3.0						
	<b>DK/missing information</b>					<b>DK/missing information</b>								
	<b>Total</b>		99.9			<b>Total</b>	100.0	100.0						
<b>Calculations</b>					<b>Calculations</b>									
	50% traditional latrine estimated to be improved		20.7			50% of traditional latrines considered improved	36.0	25.6						
<b>Estimations</b>					<b>Estimations</b>									
	SC, based on MICS03		1.0											
<b>Access to improved sanitation : 23%</b>					<b>Access to improved sanitation : 44% 26%</b>									
<b>Access to sewerage connections : 1%</b>					<b>Access to sewerage connections : 8% 0%</b>									
Used for the estimates <b>No No</b>					Used for the estimates <b>Yes Yes</b>									
Used for the estimates <b>No No</b>					Used for the estimates <b>Yes Yes</b>									
<b>Ratios</b>	Shared improved facilities/all improved facilities				<b>Ratios</b>	Shared improved facilities/all improved facilities								
	Improved latrine / All latrines		2%			Improved latrine / All latrines								
	Covered dry latrines / All dry latrines		2%			Covered dry latrines / All dry latrines								
	VIP / All latrines					VIP / All latrines								
	Traditional latrines / All latrines		71%			Traditional latrines / All latrines	92%	89%						
	Improved + traditional latrines / All latrines		73%			Improved + traditional latrines / All latrines								
	Sewerage connection among flush/pour flush					Sewerage connection among flush/pour flush	100.0	100.0						
	Sewerage connection among flush					Sewerage connection among flush	100.0	100.0						
	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								
<b>Comments</b>					<b>Comments</b>									



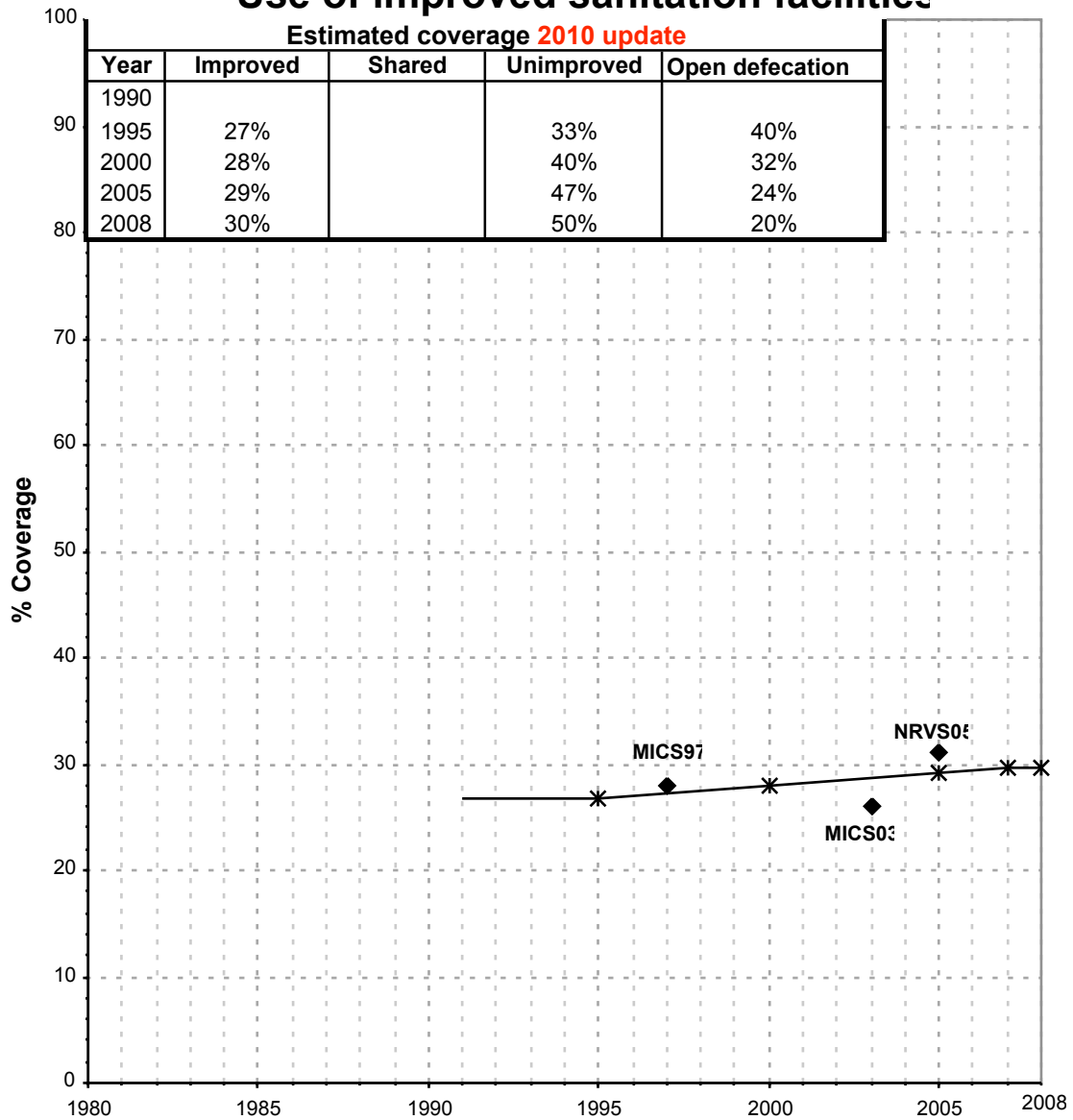
Afghanistan			SANITATION															
			URBAN								RURAL							
			Sewer connection		Total		Open defecation		Shared		Sewer connection		Total		Open defecation		Shared	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Multiple Indicator Cluster Survey	MICS97	1997	6.1		42.5		13.5				0.4		28.0		34.0			
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		1.0		28.5					0.0		6.5					
Multiple Indicator Cluster Survey	MICS00	2000									1.0		23.0		40.0			
Multiple Indicator Cluster Survey	MICS03	2003	8.2		44.2		12.8				0.4		26.0		39.2			
National Risk & Vulnerability Survey	NRVS05	2005			62.3		0.2						31.2		14.7			

# Afghanistan - urban - Use of improved sanitation facilities



■ Used for the estimates    \* Estimates    ▲ JMP 2010 estimate

# Afghanistan - rural - Use of improved sanitation facilities



# Sanitation

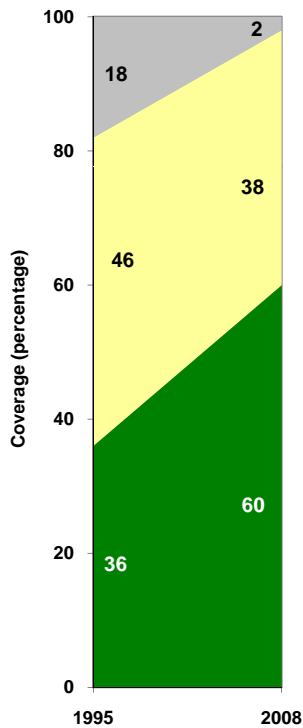
Afghanistan	Sanitation coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1995	2008	1995	2008	1995	2008
Improved facilities	36	60	27	30	29	37
Shared facilities						
Unimproved facilities	46	38	33	50	35	47
Open defecation	18	2	40	20	36	16

Source: WHO/UNICEF JMP, 2010

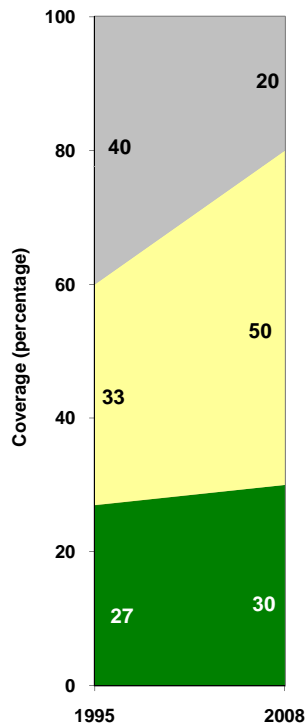
Afghanistan	Urban		Rural		Total	
	1995	2008	1995	2008	1995	2008
Population (x1000)	3,573	6,528	14,511	20,681	18,084	27,208

Source: UN / Population Division, 2008

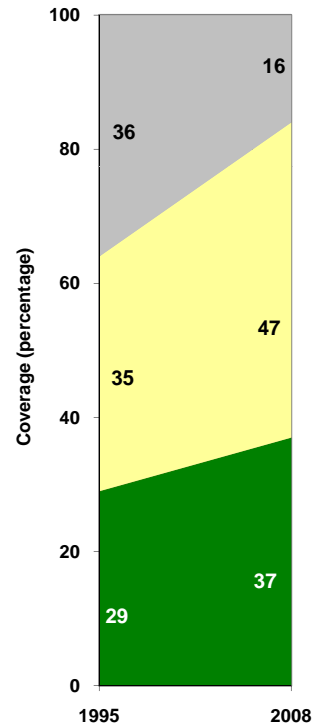
Urban sanitation trends



Rural sanitation trends



Total sanitation trends



■ Improved facilities  
■ Shared facilities  
■ Unimproved facilities  
■ Open defecation

■ Improved facilities  
■ Shared facilities  
■ Unimproved facilities  
■ Open defecation

■ Improved facilities  
■ Shared facilities  
■ Unimproved facilities  
■ Open defecation