

**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		DHS91			Pakistan			Use of sanitation facilities		PIHS91			Pakistan		
Demographic and Health Survey					1991			Integrated Household Survey					1991		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	<b>Flush and pour flush</b>	74.5	5.8	28.8		<b>Flush and pour flush</b>	85.9	31.8	48.1						
	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									
Flush	<b>Flush/toilets</b>	74.5	5.8	28.5	Indoor Toilet	<b>Flush/toilets</b>	85.9	31.8	48.1						
	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									
	<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>	18.8	21.5	20.8		<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>	18.8	21.5	20.8		<b>Dry latrines</b>									
	<b>Improved latrines</b>					<b>Improved latrines</b>									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	4.4	11.5	9.3		Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine	14.4	10.0	11.3		Bucket latrine									
	Other					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									
	Other					Other									
No facilities	<b>No facility, bush, field</b>	6.0	71.9	52.1		<b>No facility, bush, field</b>									
	<b>Other unimproved</b>	0.7	0.1	0.3		<b>Other unimproved</b>									
	Other	0.7	0.1	0.3		Other									
	Other					Other									
Missing	<b>DK/missing information</b>	0.1	0.7	0.5		<b>DK/missing information</b>									
	<b>Total</b>	100.1	100.0	100.0		<b>Total</b>	85.9	31.8	48.1						
<b>Calculations</b>					<b>Calculations</b>										
	Improved latrines, based on DHS07	3.8	3.1												
<b>Estimations</b>					<b>Estimations</b>										
	SC, based on MICS95	39.9	1.5			Indoor toilet adjusted for men to elsewhere based on DHS07	-6.1	-8.5							
						SC, based on MICS95	46.0	8.5							
<b>Access to improved sanitation :</b>		<b>78%</b>	<b>9%</b>		<b>Access to improved sanitation :</b>		<b>80%</b>	<b>23%</b>	<b>48%</b>						
<b>Access to sewerage connections :</b>		<b>40%</b>	<b>2%</b>		<b>Access to sewerage connections :</b>		<b>46%</b>	<b>8%</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					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	23%	53%	45%		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										
<b>Comments</b>					<b>Comments</b>										



Use of sanitation facilities		PIHS97			Pakistan			Use of sanitation facilities		CEN98			Pakistan		
Integrated Household Survey								Census							
		1997								1998					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	<b>Flush and pour flush</b>	85.0	22.0	42.0		<b>Flush and pour flush</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>Flush/toilets</b>	85.0	22.0	42.0		<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									
Household Flush	<b>Private flush/toilet</b>	85.0	22.0	42.0		<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>	8.0	17.0	14.0		<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>	8.0	17.0	14.0		<b>Dry latrines</b>									
	<b>Improved latrines</b>					<b>Improved latrines</b>									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	8.0	17.0	14.0		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>Private Latrines</b>	8.0	17.0	14.0		<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	8.0	17.0	14.0		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									
	Other					Other									
No Toilet	<b>No facility, bush, field</b>	7.0	61.0	44.0		<b>No facility, bush, field</b>									
	<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>	100.0	100.0	100.0		<b>Total</b>									
<b>Calculations</b>					<b>Calculations</b>										
	Improved latrines, based on DHS07	1.6	2.4												
<b>Estimations</b>					<b>Estimations</b>										
	Household flush adjusted for flush to elsewhere based on IAP/SC95	-6.1	-5.9												
	SC, based on MICS95	45.5	5.9												
<b>Access to improved sanitation :</b>		<b>81%</b>	<b>19%</b>		<b>Access to improved sanitation :</b>										
<b>Access to sewerage connections :</b>		<b>46%</b>	<b>6%</b>		<b>Access to sewerage connections :</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					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	100%	100%	100%		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									
<b>Comments</b>					<b>Comments</b>										

Use of sanitation facilities		PIHS99			Pakistan			Use of sanitation facilities		PIHS02			Pakistan		
Integrated Household Survey					1999			Integrated Household Survey					2002		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	<b>Flush and pour flush</b>	88.0	22.0	41.0		<b>Flush and pour flush</b>	89.0	26.0	45.0						
	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									
	<b>Flush/toilets</b>	88.0	22.0	41.0		<b>Flush/toilets</b>	89.0	26.0	45.0						
	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									
Household Flush	<b>Private flush/toilet</b>	88.0	22.0	41.0	Household Flush	<b>Private flush/toilet</b>	89.0	26.0	45.0						
	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									
	<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>	6.0	15.0	12.0		<b>Latrines</b>	5.0	15.0	12.0						
	<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>	6.0	15.0	12.0		<b>Dry latrines</b>	5.0	15.0	12.0						
	<b>Improved latrines</b>					<b>Improved latrines</b>									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	6.0	15.0	12.0		Traditional latrine	5.0	15.0	12.0						
	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>Private Latrines</b>	6.0	15.0	12.0		<b>Private Latrines</b>	5.0	15.0	12.0						
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	6.0	15.0	12.0		Traditional latrine	5.0	15.0	12.0						
	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									
	Other					Other									
No Toilet	<b>No facility, bush, field</b>	6.0	63.0	46.0	No Toilet	<b>No facility, bush, field</b>	5.0	59.0	43.0						
	<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>	100.0	100.0	99.0		<b>Total</b>	99.0	100.0	100.0						
<b>Calculations</b>					<b>Calculations</b>										
	Improved latrines, based on DHS07	1.2	2.1			Improved latrines, based on DHS07	1.0	2.1							
<b>Estimations</b>					<b>Estimations</b>										
	Household flush adjusted for flush to elsewhere based on MICS95	-6.3	-5.9			Household flush adjusted for flush to elsewhere based on MICS95	-14.6	-5.7							
	SC, based on MICS95	47.1	5.9			SC, based on MICS95	47.7	6.9							
<b>Access to improved sanitation :</b>		<b>83%</b>	<b>18%</b>		<b>Access to improved sanitation :</b>		<b>75%</b>	<b>22%</b>							
<b>Access to sewerage connections :</b>		<b>47%</b>	<b>6%</b>		<b>Access to sewerage connections :</b>		<b>48%</b>	<b>7%</b>							
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes							
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes							
<b>Ratios</b>	Shared improved facilities/all improved facilities				<b>Ratios</b>	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	100%	100%	100%		Traditional latrines / All latrines	100%	100%	100%						
	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										
<b>Comments</b>					<b>Comments</b>										

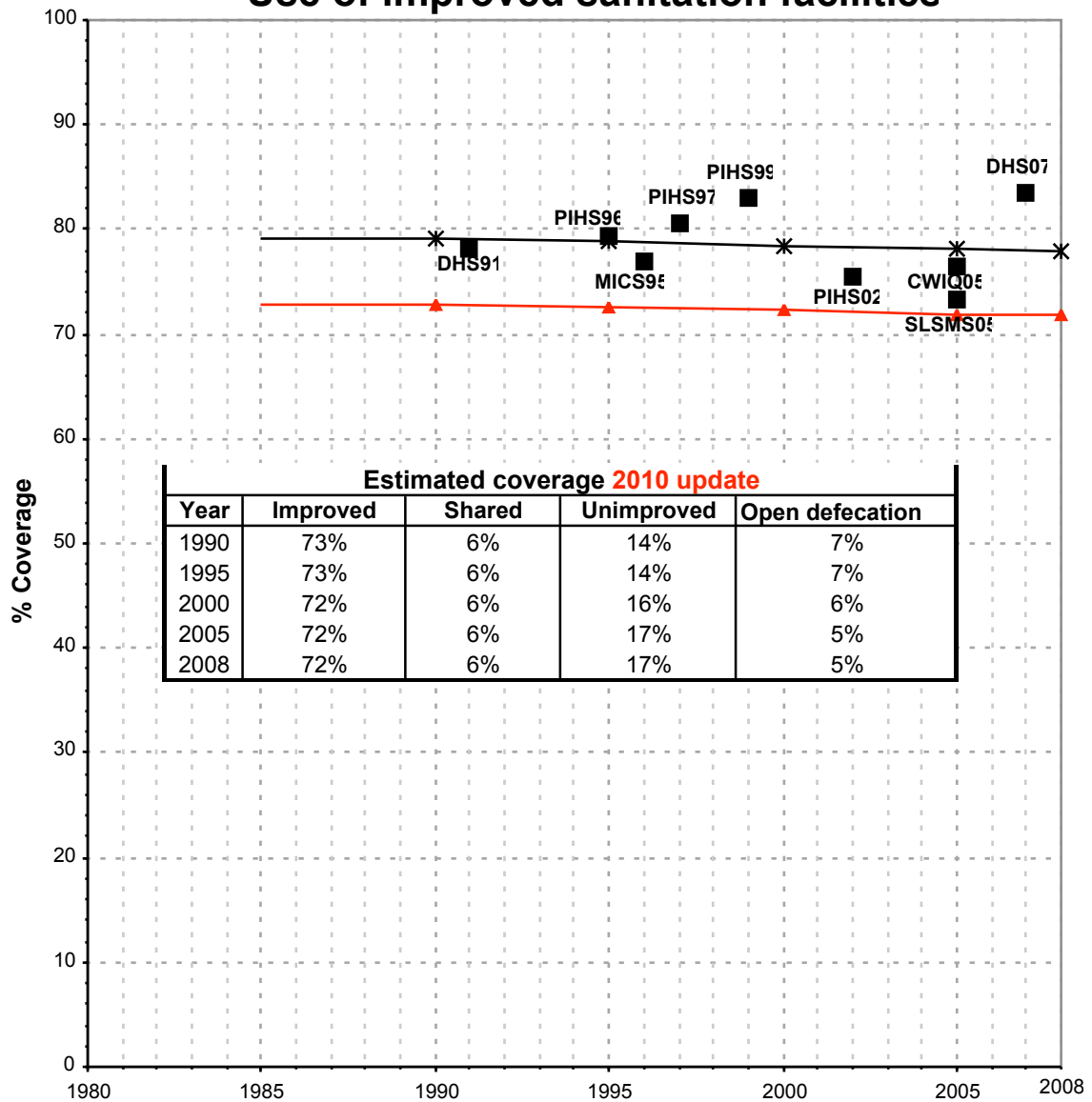
Use of sanitation facilities					Use of sanitation facilities		WHS03		Pakistan	
					World Health Survey				2003	
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	
	<b>Flush and pour flush</b>					<b>Flush and pour flush</b>	63.2	36.3		
	to piped sewer system					to piped sewer system	23.2	7.7		
	to septic tank					to septic tank	10.9	9.5		
	to pit					to pit				
	to unknown place/ not sure/DK					to unknown place/ not sure/DK				
	to elsewhere					to elsewhere				
	<b>Flush/toilets</b>					<b>Flush/toilets</b>	34.1	17.2		
	to piped sewer system					to piped sewer system	23.2	7.7		
	to septic tank					to septic tank	10.9	9.5		
	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>	33.2	16.5		
	to piped sewer system				Private domestic connection to sewage system	to piped sewer system	22.8	7.4		
	to septic tank				Private flush to septic tank	to septic tank	10.4	9.1		
	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>	0.9	0.7		
	to piped sewer system				Shared domestic connection to sewage system	to piped sewer system	0.4	0.3		
	to septic tank				Shared flush to septic tank	to septic tank	0.5	0.4		
	to pit					to pit				
	to unknown place/ not sure/DK					to unknown place/ not sure/DK				
	to elsewhere					to elsewhere				
	<b>Latrines</b>					<b>Latrines</b>	34.6	38.6		
	<b>Pour flush latrines</b>					<b>Pour flush latrines</b>	29.1	19.1		
	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				
	<b>Private pour flush latrine</b>				Private pour flush latrine	<b>Private pour flush latrine</b>	16.0	17.8		
	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>				Shared pour flush latrine	<b>Public/shared pour flush latrine</b>	13.1	1.3		
	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>					<b>Dry latrines</b>	5.5	19.7		
	<b>Improved latrines</b>					<b>Improved latrines</b>	3.1	12.8		
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine	3.1	12.8		
	Traditional latrine					Traditional latrine				
	Pit latrine without slab/open pit				Uncovered dry latrine (without privacy)	Pit latrine without slab/open pit	0.7	4.1		
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine				
	Bucket latrine					Bucket latrine	1.7	2.8		
	Other					Other				
	<b>Private Latrines</b>					<b>Private Latrines</b>	4.4	13.2		
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
	Pit latrine with slab/covered latrine				Private covered dry latrine (with privacy)	Pit latrine with slab/covered latrine	2.7	10.4		
	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 latrine (where fresh excreta are manually removed)	Bucket latrine	1.7	2.8		
	Other					Other				
	<b>Public/shared Latrines</b>					<b>Public/shared Latrines</b>	0.4	2.4		
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
	Pit latrine with slab/covered latrine				Shared covered dry latrine (with privacy)	Pit latrine with slab/covered latrine	0.4	2.4		
	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 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				
	Other					Other				
	<b>No facility, bush, field</b>				No facilities (open defecation)	<b>No facility, bush, field</b>	31.3	43.8		
	<b>Other unimproved</b>					<b>Other unimproved</b>	0.0	0.2		
	Other				Other	Other	0.0	0.2		
	Other					Other				
	<b>DK/missing information</b>					<b>DK/missing information</b>				
	<b>Total</b>					<b>Total</b>	100.0	100.0		
<b>Calculations</b>					<b>Calculations</b>					
<b>Estimations</b>					<b>Estimations</b>					
						Household flush adjusted for flush to elsewhere based on charges	-5.6	-3.8		
<b>Access to improved sanitation :</b>							<b>61%</b>	<b>45%</b>		
<b>Access to sewerage connections :</b>							<b>23%</b>	<b>8%</b>		
Used for the estimates		No	No		Used for the estimates		No	No		
Used for the estimates		No	No		Used for the estimates		No	No		
<b>Ratios</b>	Shared improved facilities/all improved facilities				Shared improved facilities/all improved facilities					
	Improved latrine / All latrines				Improved latrine / All latrines	93%	82%			
	Covered dry latrines / All dry latrines				Covered dry latrines / All dry latrines	56%	65%			
	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	36.7	21.2			
Sewerage connection among flush				Sewerage connection among flush	68.0	44.8				
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>	WHS has not been used because of too high category of urban no facilities				

Use of sanitation facilities		SLSMS05			Pakistan			Use of sanitation facilities		CWIQ05			Pakistan		
Social & Living Standards Measurement Survey					2005			Core Welfare Indicators Questionnaire					2005		
Federal Bureau of Statistics					Federal Bureau of Statistics			Federal Bureau of Statistics					Federal Bureau of Statistics		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	
Household Flush	<b>Flush and pour flush</b>	86.0	30.0	54.0		<b>Flush and pour flush</b>	90.7	33.8			<b>Flush and pour flush</b>	90.7	33.8		
	to piped sewer system					to piped sewer system	53.9	3.0			to piped sewer system	53.9	3.0		
	to septic tank					to septic tank	22.0	23.5			to septic tank	22.0	23.5		
	to pit					to pit					to pit				
	to unknown place/ not sure/DK					to unknown place/ not sure/DK					to unknown place/ not sure/DK				
	to elsewhere					to elsewhere	14.9	7.4			to elsewhere	14.9	7.4		
	<b>Flush/toilets</b>	86.0	30.0	54.0		<b>Flush/toilets</b>	90.7	33.8			<b>Flush/toilets</b>	90.7	33.8		
	to piped sewer system					Flush to sewerage	53.9	3.0			to piped sewer system	53.9	3.0		
	to septic tank					Flush to septic tank	22.0	23.5			to septic tank	22.0	23.5		
	to pit										to pit				
	to unknown place/ not sure/DK										to unknown place/ not sure/DK				
	to elsewhere					Flush connected with open drain					to elsewhere	14.9	7.4		
	<b>Private flush/toilet</b>	86.0	30.0	54.0		<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>					<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>		7.0	30.0	20.0		<b>Latrines</b>	3.0	15.5			<b>Latrines</b>	3.0	15.5		
<b>Pour flush latrines</b>						<b>Pour flush latrines</b>					<b>Pour flush latrines</b>				
to piped sewer system						to piped sewer system					to piped sewer system				
to septic tank						to septic tank					to septic tank				
to pit						to pit					to pit				
to unknown place/ not sure/DK						to unknown place/ not sure/DK					to unknown place/ not sure/DK				
to elsewhere						to elsewhere					to elsewhere				
<b>Private pour flush latrine</b>						<b>Private pour flush latrine</b>					<b>Private pour flush latrine</b>				
to piped sewer system						to piped sewer system					to piped sewer system				
to septic tank						to septic tank					to septic tank				
to pit						to pit					to pit				
to unknown place/ not sure/DK						to unknown place/ not sure/DK					to unknown place/ not sure/DK				
to elsewhere						to elsewhere					to elsewhere				
<b>Public/shared pour flush latrine</b>						<b>Public/shared pour flush latrine</b>					<b>Public/shared pour flush latrine</b>				
to piped sewer system						to piped sewer system					to piped sewer system				
to septic tank						to septic tank					to septic tank				
to pit						to pit					to pit				
to unknown place/ not sure/DK						to unknown place/ not sure/DK					to unknown place/ not sure/DK				
to elsewhere						to elsewhere					to elsewhere				
<b>Dry latrines</b>		7.0	30.0	20.0		<b>Dry latrines</b>	3.0	15.5			<b>Dry latrines</b>	3.0	15.5		
<b>Improved latrines</b>						<b>Improved latrines</b>					<b>Improved latrines</b>				
Ventilated Improved Pit latrine						Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
Pit latrine with slab/covered latrine						Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine				
Traditional latrine		7.0	30.0	20.0	Pit latrine					Traditional latrine	2.1	9.7			
Pit latrine without slab/open pit						Pit latrine without slab/open pit				Pit latrine without slab/open pit					
Hanging toilet/hanging latrine					Raised latrine					Hanging toilet/hanging latrine	0.9	5.8			
Bucket latrine						Bucket latrine				Bucket latrine					
Other						Other				Other					
<b>Private Latrines</b>		7.0	30.0	20.0		<b>Private Latrines</b>					<b>Private Latrines</b>				
Ventilated Improved Pit latrine						Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
Pit latrine with slab/covered latrine						Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine				
Traditional latrine		7.0	30.0	20.0		Traditional latrine					Traditional latrine				
Pit latrine without slab/open pit						Pit latrine without slab/open pit					Pit latrine without slab/open pit				
Hanging toilet/hanging latrine						Hanging toilet/hanging latrine					Hanging toilet/hanging latrine				
Bucket latrine						Bucket latrine					Bucket latrine				
Other						Other					Other				
<b>Public/shared Latrines</b>						<b>Public/shared Latrines</b>					<b>Public/shared Latrines</b>				
Ventilated Improved Pit latrine						Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
Pit latrine with slab/covered latrine						Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine				
Traditional latrine						Traditional latrine					Traditional latrine				
Pit latrine without slab/open pit						Pit latrine without slab/open pit					Pit latrine without slab/open pit				
Hanging toilet/hanging latrine						Hanging toilet/hanging latrine					Hanging toilet/hanging latrine				
Bucket latrine						Bucket latrine					Bucket latrine				
Other						Other					Other				
<b>Composting toilets</b>						<b>Composting toilets</b>					<b>Composting toilets</b>				
Composting toilet (private)						Composting toilet (private)					Composting toilet (private)				
Composting toilet (shared)						Composting toilet (shared)					Composting toilet (shared)				
<b>Other improved</b>						<b>Other improved</b>					<b>Other improved</b>				
Other						Other					Other				
Other						Other					Other				
No Toilet	<b>No facility, bush, field</b>	6.0	40.0	26.0	None	<b>No facility, bush, field</b>	5.7	42.5			<b>No facility, bush, field</b>	5.7	42.5		
	<b>Other unimproved</b>				Other	<b>Other unimproved</b>	0.6	8.1			<b>Other unimproved</b>	0.6	8.1		
	Other					Other					Other				
	Other					Other					Other				
	<b>DK/missing information</b>					<b>DK/missing information</b>					<b>DK/missing information</b>				
	<b>Total</b>	99.0	100.0	100.0		<b>Total</b>	100.0	100.0			<b>Total</b>	100.0	100.0		
<b>Calculations</b>						<b>Calculations</b>	Flush to elsewhere/all flush	16.4%	21.8%						
<b>Estimations</b>	Improved latrines, based on DHS07	1.4	4.3			<b>Estimations</b>	Improved latrines, based on DHS07	0.6	2.2						
	Household flush adjusted for flush to elsewhere based on DHS07	-14.1	-6.5												
	SC, based on MIC95	46.1	8.0												
<b>Access to improved sanitation : 73% 28%</b>					<b>Access to improved sanitation : 76% 29%</b>										
<b>Access to sewerage connections : 46% 8%</b>					<b>Access to sewerage connections : 54% 3%</b>										
Used for the estimates Yes Yes					Used for the estimates Yes Yes										
Used for the estimates Yes Yes					Used for the estimates Yes Yes										
<b>Ratios</b>	Shared improved facilities/all improved facilities					Shared improved facilities/all improved facilities					Shared improved facilities/all improved facilities				
	Improved latrine / All latrines					Improved latrine / All latrines					Improved latrine / All latrines				
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines				
	VIP / All latrines					VIP / All latrines					VIP / All latrines				
	Traditional latrines / All latrines	100%	100%	100%		Traditional latrines / All latrines	70%	63%			Traditional latrines / All latrines	70%	63%		
	Improved + 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	59.4	8.9			Sewerage connection among flush/pour flush	59.4	8.9		
	Sewerage connection among flush					Sewerage connection among flush	59.4	8.9			Sewerage connection among flush	59.4	8.9		
	Number of people covered by the survey					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					Number of households covered by the survey				
	Total population					Total population					Total population				
<b>Comments</b>						<b>Comments</b>					<b>Comments</b>				



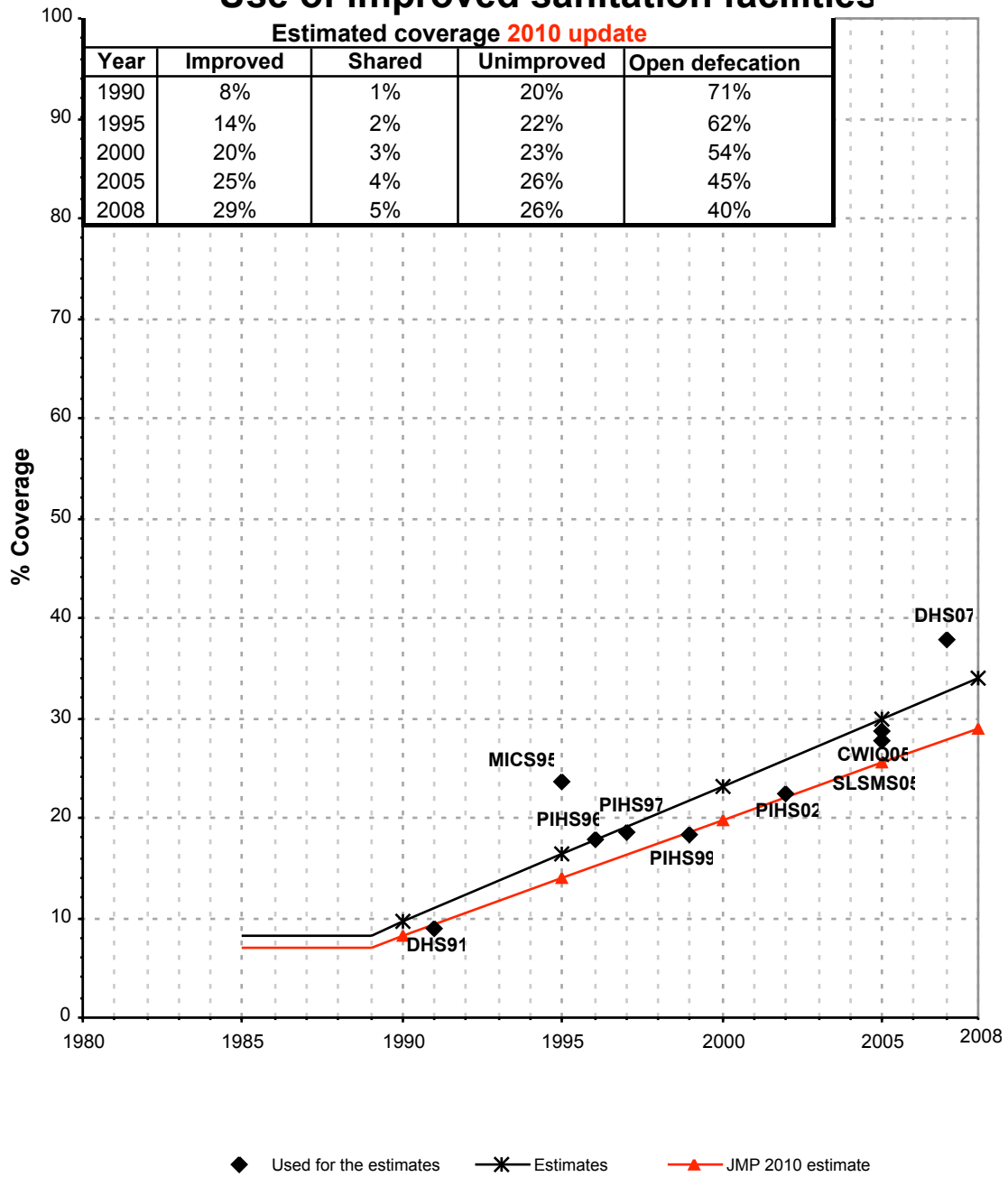
Pakistan			SANITATION															
			URBAN								RURAL							
			Sewer connection		Total		Open defecation		Shared		Sewer connection		Total		Open defecation		Shared	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Demographic and Health Survey	DHS91	1991	39.9		78.3		6.0				1.5		8.9		71.9			
Integrated Household Survey	PIHS91	1991		46.0		79.8						8.5		23.3				
Multiple Indicator Cluster Survey	MICS95	1995	45.0		79.4		5.0				8.0		23.7		45.0			
Integrated Household Survey	PIHS96	1996	40.2		77.0		9.0		5.2		4.5		17.9		66.0		16.8	
Integrated Household Survey	PIHS97	1997	45.5		80.5		7.0				5.9		18.6		61.0			
Census	CEN98	1998																
Integrated Household Survey	PIHS99	1999	47.1		82.9		6.0				5.9		18.3		63.0			
Integrated Household Survey	PIHS02	2002	47.7		75.4		5.0				6.9		22.5		59.0			
National Nutrition Survey	PNNS02	2002																
World Health Survey	WHS03	2003		23.2		60.7			31.3			7.7		45.3		43.8		
Social & Living Standards Measurement Survey	SLSMS05	2005	46.1		73.3		6.0				8.0		27.7		40.0			
Core Welfare Indicators Questionnaire	CWIQ05	2005	53.9		76.4		5.7				3.0		28.7		42.5			
Demographic and Health Survey	DHS07	2007	66.9		83.4		3.4		10.8		14.0		37.8		41.2		12.9	

# Pakistan - urban - Use of improved sanitation facilities



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

# Pakistan - rural - Use of improved sanitation facilities



# Sanitation

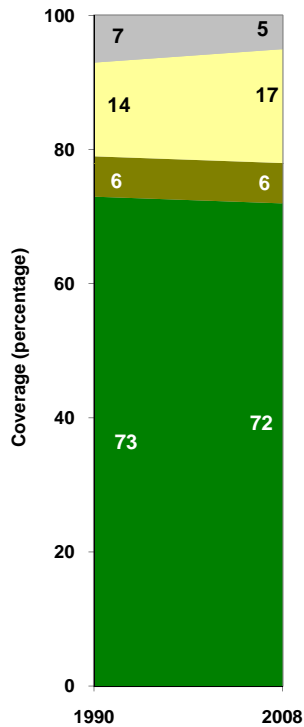
Pakistan	Sanitation coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Improved facilities	73	72	8	29	28	45
Shared facilities	6	6	1	5	3	5
Unimproved facilities	14	17	20	26	18	23
Open defecation	7	5	71	40	51	27

Source: WHO/UNICEF JMP, 2010

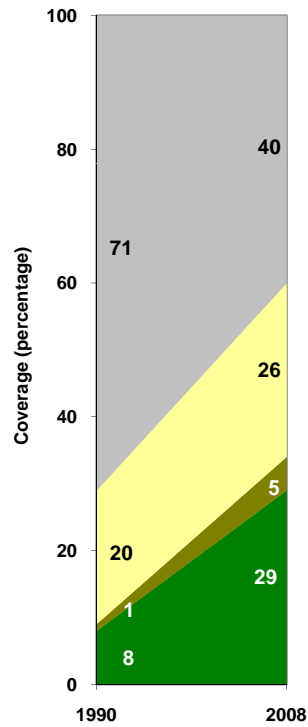
Pakistan	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	35,400	63,904	80,376	113,048	115,776	176,952

Source: UN / Population Division, 2008

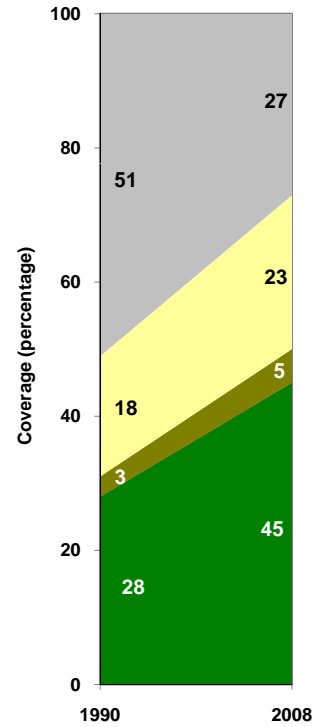
Urban sanitation trends



Rural sanitation trends



Total sanitation trends



- Open defecation
- Unimproved facilities
- Shared facilities
- Improved facilities

- Open defecation
- Unimproved facilities
- Shared facilities
- Improved facilities

- Open defecation
- Unimproved facilities
- Shared facilities
- Improved facilities