



**WHO / UNICEF**

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

**Coverage Estimates  
Improved Sanitation**

Updated in July 2008

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**Pakistan**

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## Urban and Rural Sanitation - Paki

DHS 1991			
Sanitation	Urban	Rural	Total
Flush	74.5	5.8	26.5
Bucket	14.4	10.0	11.3
Pit Latrine	4.4	11.5	9.3
No facilities	6.0	71.9	52.1
Other	0.7	0.1	0.3
Missing	0.1	0.7	0.5
<b>TOTAL</b>	<b>100.1</b>	<b>100.0</b>	
50% of Pit latrine considered improved	2.2	5.8	
connections based on MICSS95	39.9	1.5	
<b>% Use of an improved sanitation facility</b>	<b>77%</b>	<b>12%</b>	
<b>% Sewerage connections</b>	<b>40%</b>	<b>2%</b>	

Source: DHS 1991

PIHS 1991			
Sanitation	Urban	Rural	Total
Indoor Toilet	85.9	31.8	48.1
Sanitary System	93.2	50.1	63.1
% improved of "Sanitary System", assuming it includes the "Indoor Toilet" and 50 % of the remaining "Sanitary System" is improved	3.7	9.2	7.5
<b>access to improved sanitation</b>	<b>90%</b>	<b>41%</b>	<b>56%</b>
<b>TOTAL</b>	<b>96.9</b>	<b>59.3</b>	

Source: Pakistan Integrated Household Survey 1991

MICS 1995		
Sanitation	Urban	Rural
Flush latrine connected with water-borne sewerage system	45.0	8.0
Flush latrine connected with septic tank	33.0	14.0
Covered dry latrine	7.0	12.0
Pour flush latrine drained out of house in open	6.0	8.0
Any other method that leaves the stools exposed	4.0	13.0
No protected facilities, go out somewhere or in fields	5.0	45.0
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>
ratio of flush connected to sewerage/all flush	0.54	0.27
<b>% Use of an improved sanitation facility</b>	<b>85%</b>	<b>34%</b>
<b>% Sewerage connections</b>	<b>45%</b>	<b>8%</b>

Source: Pakistan, MICS 1995

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PIHS		1995-96	
Proportion shared improved facilities/all improved facilities		4.7%	11.1%
Sanitation	Urban	Rural	Total
Household Flush	75.0	17.0	34.0
Non-Flush	13.0	14.0	14.0
Communal Latrine	4.0	3.0	3.0
No Toilet	9.0	66.0	48.0
<b>TOTAL</b>	<b>101.0</b>	<b>100.0</b>	
50% Non-flush considered improved	6.5	7.0	
estimated sewerage connections based on MICSS95	40.2	4.5	
<b>% Use of an improved sanitation facility</b>	<b>86%</b>	<b>27%</b>	
<b>% Sewerage connections</b>	<b>40%</b>	<b>5%</b>	

Source: Pakistan Integrated Household Survey 1995 - 1996

PIHS		1996-97	
Sanitation	Urban	Rural	Total
Household Flush	85.0	22.0	42.0
Non-Flush	8.0	17.0	14.0
No Toilet	7.0	61.0	44.0
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>	
50% Non-flush considered improved	4.0	8.5	
estimated sewerage connections based on MICS95	45.5	5.9	
<b>% Use of an improved sanitation facility</b>	<b>89%</b>	<b>31%</b>	
<b>% Sewerage connections</b>	<b>46%</b>	<b>6%</b>	

Source: Pakistan Integrated Household Survey 1996 - 1997

PIHS		1998-99	
Sanitation	Urban	Rural	Total
Household Flush	88.0	22.0	41.0
Non-Flush	6.0	15.0	12.0
No Toilet	6.0	63.0	46.0
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>	
50% Non-flush considered improved	3.0	7.5	
estimated sewerage connections based on WHS03	32.3	4.7	
<b>% Use of an improved sanitation facility</b>	<b>91%</b>	<b>30%</b>	
<b>% Sewerage connections</b>	<b>32%</b>	<b>5%</b>	

Source: Pakistan Integrated Household Survey 1998 - 1999

<b>PIHS 2001-02</b>			
Sanitation	Urban	Rural	Total
Household Flush	89.0	26.0	45.0
Non-Flush	5.0	15.0	12.0
No Toilet	5.0	59.0	43.0
<b>TOTAL</b>	<b>99.0</b>	<b>100.0</b>	
50% Non-flush considered improved	2.5	7.5	
connections based on WHS03	32.7	5.5	
<b>% Use of an improved sanitation facility</b>	<b>92%</b>	<b>34%</b>	
<b>% Sewerage connections</b>	<b>33%</b>	<b>6%</b>	

Source: Pakistan Integrated Household Survey 2001-2002

<b>WHS 2003</b>		
<i>WHS has not been used because of too high category of urban no facilities</i>		
SANITATION	Urban	Rural
Private domestic connection to sewage system	22.8	7.4
Shared domestic connection to sewage system	0.4	0.3
Private flush to septic tank	10.4	9.1
Shared flush to septic tank	0.5	0.4
Private pour flush latrine	16.0	17.8
Shared pour flush latrine	13.1	1.3
Private covered dry latrine (with privacy)	2.7	10.4
Shared covered dry latrine (with privacy)	0.4	2.4
Uncovered dry latrine (without privacy)	0.7	4.1
Bucket latrine (where fresh excreta are manually removed)	1.7	2.8
No facilities (open defecation)	31.3	43.8
Other	0.0	0.2
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>
Ratio covered dry latrines/all dry latrines	0.56	0.65
ratio flush to sewerage among flush toilets/latrines	0.37	0.21
<b>% Use of an improved sanitation facility</b>	<b>66%</b>	<b>49%</b>
<b>% Sewerage connections</b>	<b>23%</b>	<b>8%</b>

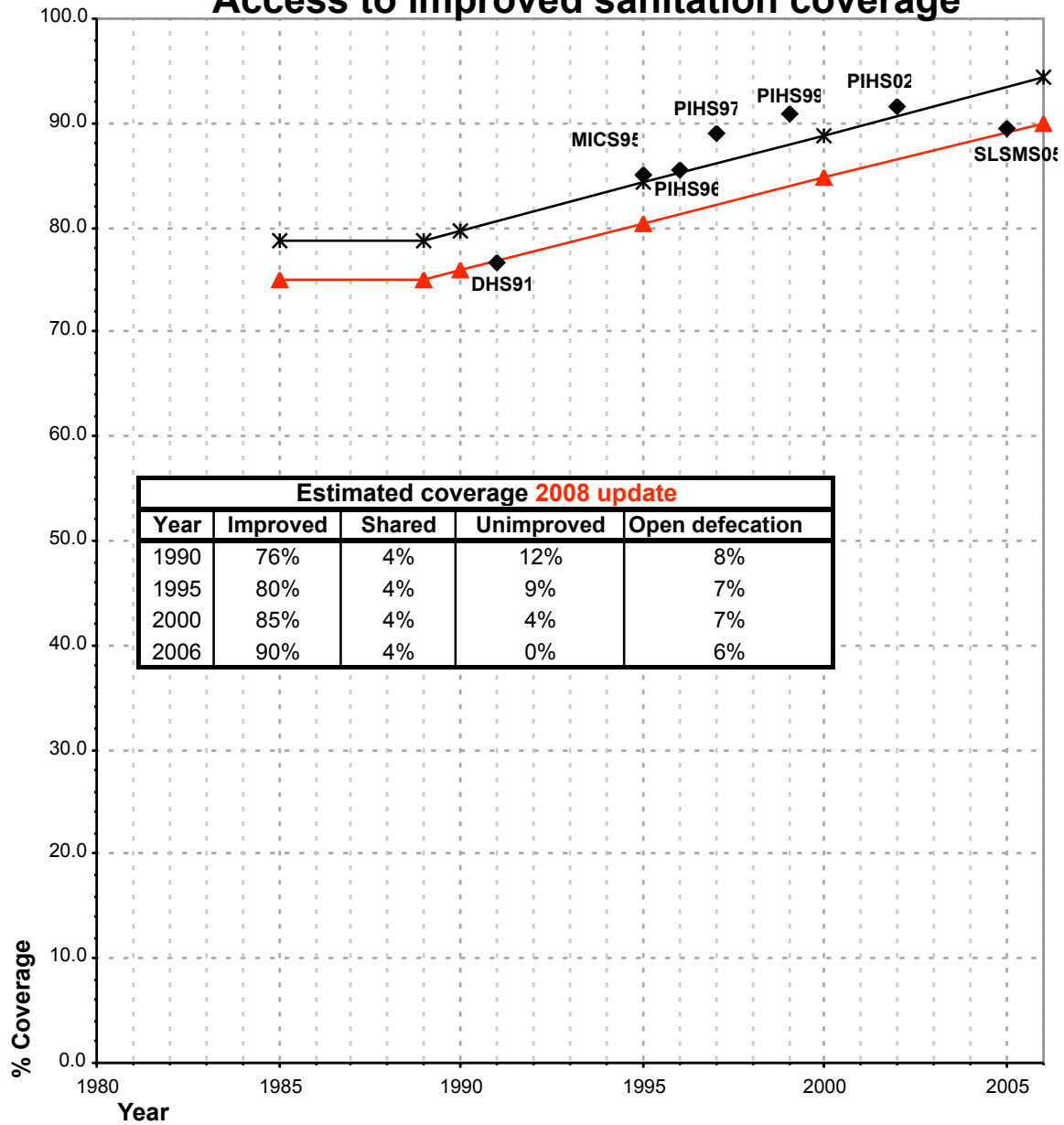
Source: World Health Survey, WHO, 2003.

<b>SLSMS 2004-05</b>			
Sanitation	Urban	Rural	Total
Household Flush	86.0	30.0	54.0
Non-Flush	7.0	30.0	20.0
No Toilet	6.0	40.0	26.0
<b>TOTAL</b>	<b>99.0</b>	<b>100.0</b>	<b>100.0</b>
50% Non-flush considered improved	3.5	15.0	
connections based on WHS03	31.6	6.4	
<b>% Use of an improved sanitation facility</b>	<b>90%</b>	<b>45%</b>	
<b>% Sewerage connections</b>	<b>32%</b>	<b>6%</b>	

Source: Pakistan Integrated Household Survey 2001-2002

Pakistan			SANITATION								OPEN DEFECACTION			
			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				42.0				2.0				
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1983). WHO 1986.	WHO83	1983				53.0				6.0				
The International Drinking Water Supply and Sanitation Decade. Review of Mid-Decade Progress (as at December 1985). WHO 1987.	WHO85	1985				51.0				6.0				
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1988				40.0				8.0				
The International Drinking Water Supply and Sanitation Decade. End of Decade Review (as at December 1990). WHO1992.	WHO90	1990				53.0				12.0				
Pakistan Demographic and Health Survey, 1991	DHS91	1991	39.9		76.7		1.5		11.6		6.0		71.9	
Pakistan Integrated Household Survey, 1991	PIHS91	1991				90.0				41.0				
Water Supply and Sanitation Sector Monitoring Report 1993 (Sector Status as of 31 December 1991)	JMP93	1991				55.0				10.0				
Water Supply and Sanitation Sector Monitoring Report - 1996. Sector Status as of 31 December 1996	JMP96	1994				55.0				19.0				
Pakistan Multi-Indicator Cluster Survey, 1995	MICS95	1995	45.0		85.0		8.0		34.0		9.0		58.0	
Pakistan Integrated Household Survey, 1995/96	PIHS96	1996	40.2		85.5		4.5		27.0		9.0		66.0	
Pakistan Integrated Household Survey, 1996/97	PIHS97	1997	45.5		89.0		5.9		30.5		7.0		61.0	
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)	JMP99	1999												
Pakistan Integrated Household Survey, 1996/97	PIHS99	1999	32.3		91.0		4.7		29.5		6.0		63.0	
Pakistan Integrated Household Survey, 2001/02	PIHS02	2002	32.7		91.5		5.5		33.5		5.0		59.0	
Pakistan National Nutrition Survey 2002	PNNS02	2002												
World Health Survey, WHO, 2003.	WHS03	2003	23.2			66.3	7.7			49.1				
Pakistan, Social & Living Standards Measurement Survey 2004-2005	SLSMS05	2005	31.6		89.5		6.4		45.0		6.0		40.0	

# Pakistan - urban - Access to improved sanitation coverage



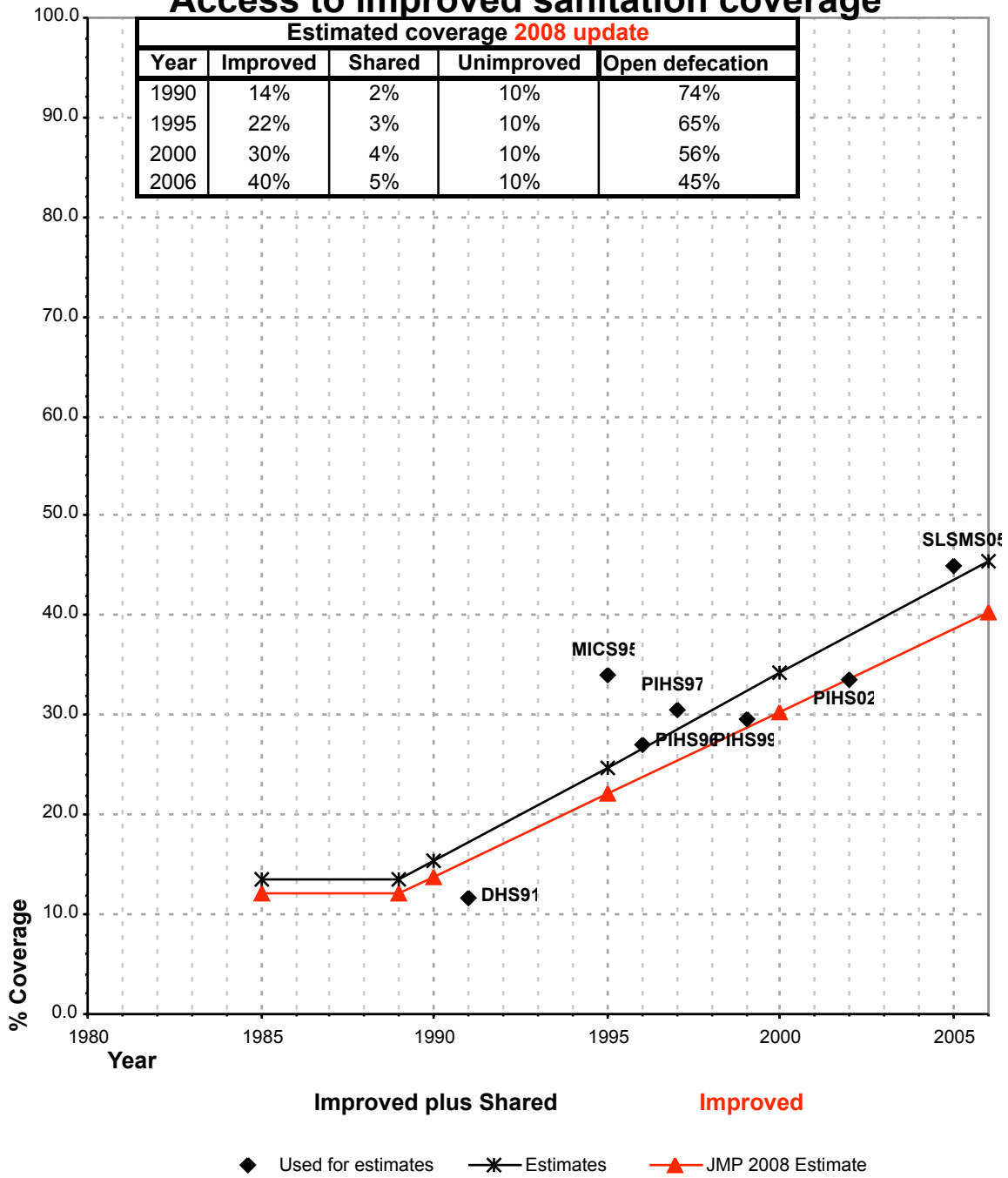
Improved plus Shared

Improved

◆ Used for estimates    \* Estimates    ▲ JMP 2008 Estimate

Shared access : Based on PIHS95-96

# Pakistan - rural - Access to improved sanitation coverage



Shared access : Based on PIHS95-96