



WHO / UNICEF

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

Coverage Estimates
Improved Sanitation

Updated in July 2008

Panama

Urban and Rural Sanitation - Panama

Survey

LSMS					1997
sanitation	Urban	no indigena	indigena	difficil acceso	Rural
Conectado a alcantarillado	58.0	1.7	0.6	0.0	1.5
Conectado a tanque septico	20.6	19.6	9.7	0.0	17.3
Hueco {hole} o letrina	20.1	71.5	32.1	66.0	64.7
No tiene	1.3	7.2	57.6	34.0	16.6
improved	10.1				32.4
TOTAL	100	100	100	100	100
Access to improved sanitation	89%	21%	10%	0%	51%
% House connections	58%	2%	1%	0%	1%
% Open defecation	1%	7%	58%	34%	17%

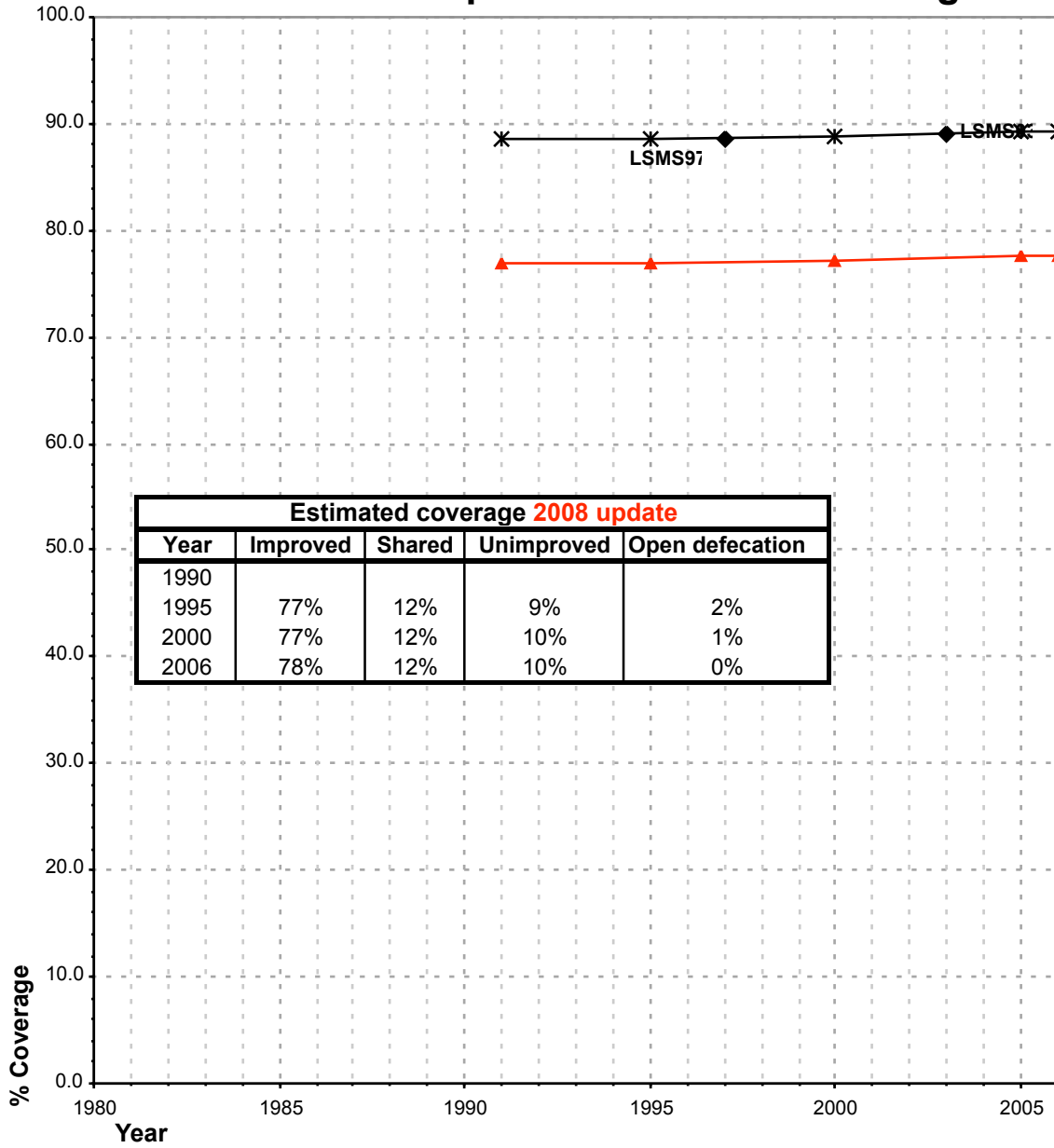
Source: *Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe, Panama, PAHO, Feb 2001, based on LSMS 1997*

LSMS		2003	
Proportion shared improved facilities/all improved facilities		13.2%	8.2%
SANITATION	Urban	Rural	
Connection to sewer, private	43.4	4.8	
Connection to septic tank, private	26.1	22.2	
Connection to sewer, shared	4.6	0.0	
Connection to septic tank, shared	4.1	1.2	
Private latrine	15.8	63.5	
Shared latrine	6.1	8.1	
TOTAL	100.1	99.8	
50% of Pit considered Improved	11.0	35.8	
Access to improved sanitation	89%	64%	
% House connections	43%	5%	
% Open defecation	0%	0%	

Source: *LIVING STANDARDS MEASUREMENT STUDY SURVEY, 2003*

Panama			SANITATION										OPEN DEFECTION			
			URBAN				RURAL									
			HC		Total		HC		Total		Urban		Rural			
Source	Code	Year	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		62.0		62.0				28.0						
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1983). WHO 1986.	WHO83	1983		61.0		61.0										
The International Drinking Water Supply and Sanitation Decade. Review of Mid-Decade Progress (as at December 1985). WHO 1987.	WHO85	1985		73.0		100.0				61.0						
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1987		72.0		100.0				68.0						
Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe, Panama, PAHO, Feb 2001, based on LSMS 1997	LSMS97	1997	58.0		88.7		1.5		51.1		1.3		16.6			
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)	JMP99	1998		64.0		99.0		0.0		87.0						
LIVING STANDARDS MEASUREMENT STUDY SURVEY, 2003	LSMS03	2003			89.2				64.0		0.0		0.0			

Panama - urban - Access to improved sanitation coverage



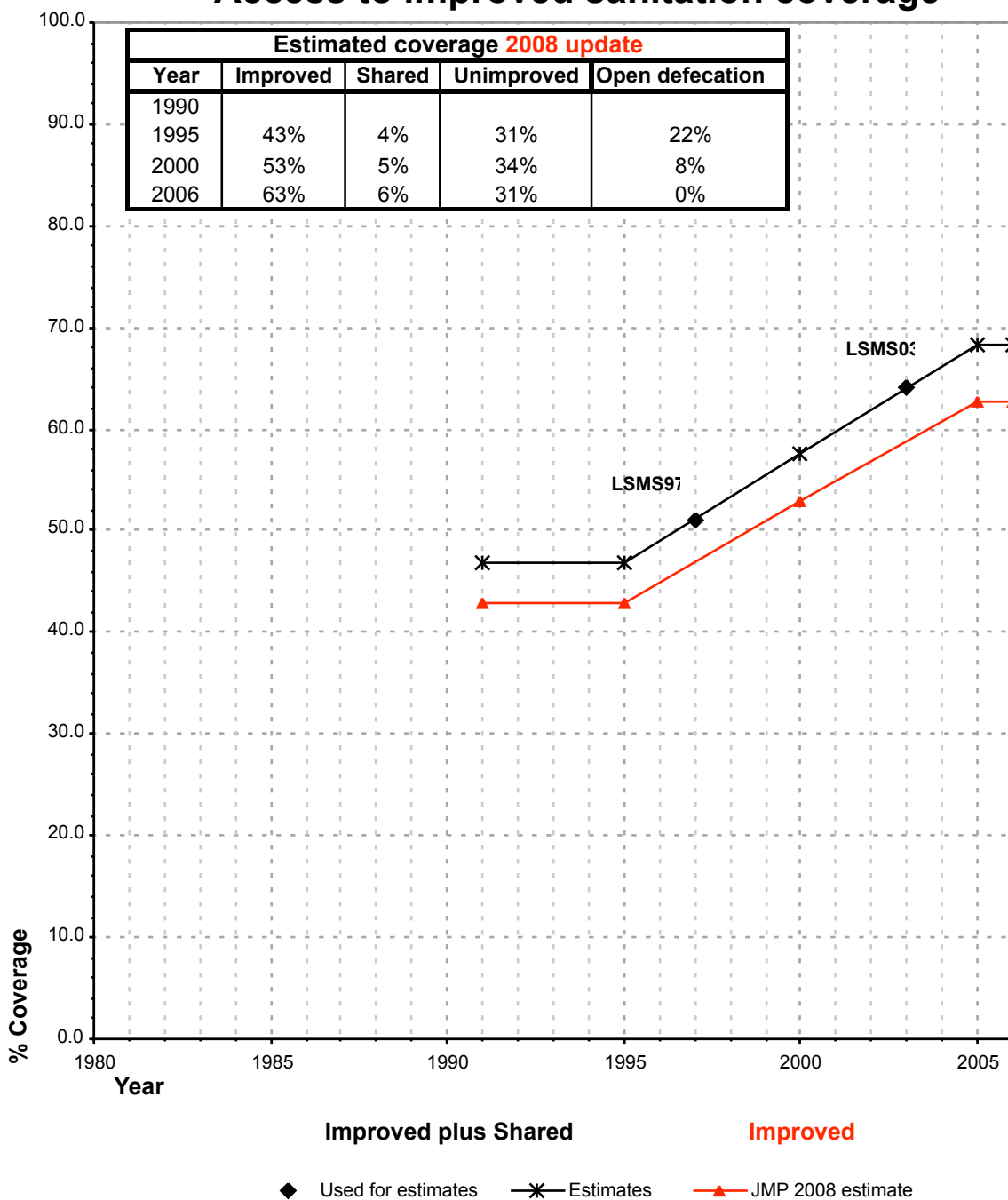
Improved plus Shared
Improved

◆ Used for estimates
✱ Estimates
▲ JMP 2008 Estimate

Total access :

Sewerage connections :

Panama - rural - Access to improved sanitation coverage



Total access :
Sewerage connections :