



WHO / UNICEF

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

Coverage Estimates
Improved Sanitation

Updated in July 2008

Guatemala

Urban

Survey

DHS 1987		
SANITATION	Urban	Rural
Inodoro, <i>private</i> *	54.0	5.2
Inodoro, <i>shared</i> *	10.3	1.5
Inodoro septico	5.0	3.0
Letrina	25.0	47.1
No tiene sanitar	4.3	40.7
Otro	1.4	2.6
TOTAL	100.0	100.0
50% letrina considered improved	23.5	44.3
% Use of an improved sanitation facility	93%	54%
% Sewerage connections	64%	7%
Open defecation	4%	41%

Source: Guatemala DHS 1987

DHS 1995		
SANITATION	Urban	Rural
Private toilet	54.4	9.6
Shared toilet (Inodoro compartido)	10.3	1.5
Toilet with connection to septic tank	6.7	3.6
Latrine	23.2	59.7
No facilities	5.3	25.3
Otro	0.1	0.1
TOTAL	99.9	99.7
latrine considered improved based on WHS03	21.8	56.1
% Use of an improved sanitation facility	93%	71%
% Sewerage connections	65%	11%
Open defecation	5%	25%

Source: Guatemala DHS 1995

DHS 1999			
SANITATION	Urban	Rural	Total
Privado conectado	53.4	16.5	33.2
Publico conectado	11.0	2.4	6.3
Conectado a fosa septica	6.5	5.2	5.8
Letrina, pozo ciego	25.2	53.9	40.9
No tiene sanitario	3.2	21.5	13.2
Otro	0.2	0.2	0.2
Sin informacion	0.4	0.4	0.4
TOTAL	99.9	100.1	100.0
latrine, pozo ciego considered improved based on WHS03	23.7	50.7	
% Use of an improved sanitation facility	95%	75%	
% Sewerage connections	64%	19%	
Open defecation	3%	22%	

Source: Guatemala DHS 1998/99

specification for shared or private. On basis of the

Urban and Rural Sanitation - Guatemala

ENSMI 2002			WHS 2003			Census 1994		
			Proportion shared improved facilities/all improved facilities 6.9% 7.3%			(Households in thousands)		
SANITATION	Urban	Rural	SANITATION	Urban	Rural		Urban	Rural
Inodoro privado	65.3	17.7	Private domestic connection to sewage system	77.4	12.6	Uso exclusivo, inod. conec. a drenaje	293	46
Inodoro compartido	4.5	0.9	Shared domestic connection to sewage system	5.2	1.0	Para varios hogares, inod. conec. a drenaje	75	8
Inodoro o fosa septica	6.2	9.4	Private flush to septic tank	1.4	9.2	Uso exclusivo, inod. conec. a fosa septica	17	22
			Shared flush to septic tank	0.1	0.6	Para varios hogares, inod. conec. a fosa septica	5	4
			Private pour flush latrine	1.5	1.9	Uso exclusivo, excusado lavable	39	31
			Shared pour flush latrine	0.1	0.2	Para varios hogares, excusado lavable	15	6
Letrina, pozo ciego, excusado	19.7	53.3	Private covered dry latrine (with privacy)	10.6	53.2	Uso exclusivo, letrina o pozo ciego	115	585
			Shared covered dry latrine (with privacy)	1.4	4.2	Para varios hogares, letrina o pozo ciego	31	94
No tiene sanitario	4.2	18.0	Uncovered dry latrine (without privacy)	0.5	2.4	No tiene	16	192
Otro	0.2	0.7	Bucket latrine (where fresh excreta are manually removed)	0.4	1.4			
			No facilities (open defecation)	1.2	13.1			
			Other	0.2	0.2			
TOTAL	100.1	100.0	TOTAL	100.0	100.0	Total households	604	988
latrine, pozo ciego, excusado considered improved based on WHS03	18.5	50.1	Ratio of improved latrines/all latrines	0.94	0.94	"Uso exclusivo, letrina o pozo ciego" considered improved, based on WHS03	186.6	673.6
% Use of an improved sanitation facility	94%	78%	% Use of an improved sanitation facility	98%	83%	% Use of an improved sanitation facility	95%	76%
% Sewerage connections	70%	19%	% Sewerage connections	77%	13%	% Sewerage connections	49%	5%
Open defecation	4%	18%	Open defecation	1%	13%	Open defecation	3%	19%

Source: Encuesta Nacional de Salud Materno Infantil, 2002

Source: World Health Survey, WHO, 2003.

Source: X Demographic Census, April 1994

Estimate

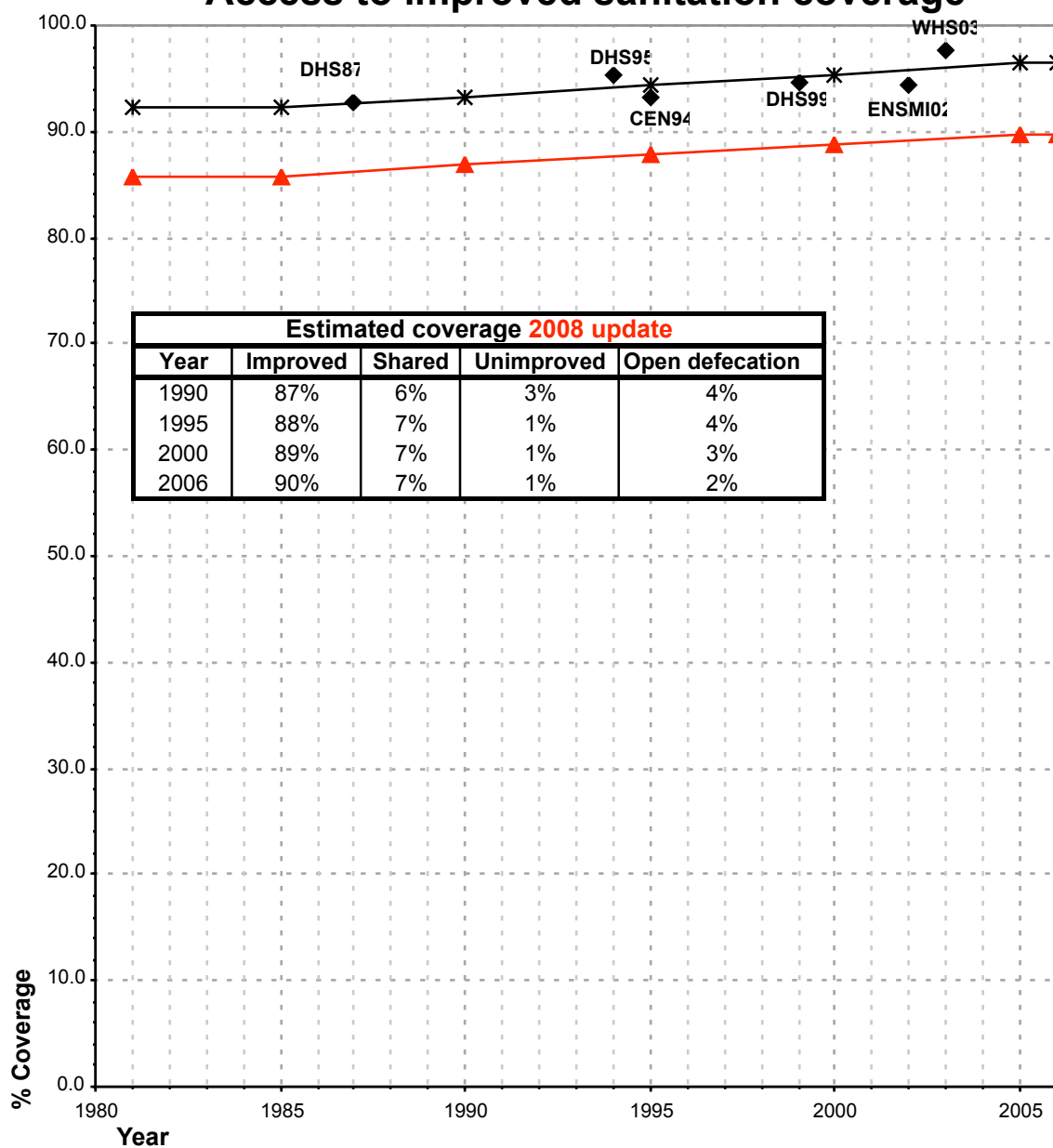
FORM6/WHO		1999	
(Population in thousands)			
SANITATION	Urban	Rural	
Population served with household connections to conventional sewers	3534	300	
connections but served with adequate, private or shared on-	79	4061	
Total population served	3613	4361	
Total population unserved	176	2848	
Total population	3692	7209	
% Use of an improved sanitation facility	98%	60%	
% Sewerage connections	96%	4%	

Open defecation

Source: Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire, 1999 (Form 6, sent to WHO)

Guatemala			SANITATION											
			URBAN				RURAL				OPEN DEFECATION			
			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		35.0		45.0				20.0				
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1983). WHO 1986.	WHO83	1983		38.0		48.0				28.0				
The International Drinking Water Supply and Sanitation Decade. Review of Mid-Decade Progress (as at December 1985). WHO 1987.	WHO85	1985		50.0		73.0				42.0				
Guatemala Demographic and Health Survey 1987	DHS87	1987	64.3		92.8		6.7		54.0		4.3		40.7	
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1987		49.0		72.0				48.0				
The International Drinking Water Supply and Sanitation Decade. End of Decade Review (as at December 1990). WHO1992.	WHO90	1990		60.0		72.0				52.0				
X Demographic Census, April 1994	CEN94	1994	48.6		95.4		4.7		76.3		2.6		19.4	
Guatemala Demographic and Health Survey 1995	DHS95	1995	64.7		93.2		11.1		70.8		5.3		25.3	
Guatemala DHS 1998/99	DHS99	1999	64.4		94.6		18.9		74.8		3.2		21.5	
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)	JMP99	1998		67.0		90.0		22.0		40.0				
World Health Survey, WHO, 2003.	WHS03	2003	77.4		97.6		12.6		83.0		1.2		13.1	
Encuesta Nacional de Salud Materno Infantil, 2002	ENSMIO2	2002	69.8		94.5		18.6		78.1		4.2		18.0	

Guatemala - urban - Access to improved sanitation coverage



Improved plus Shared

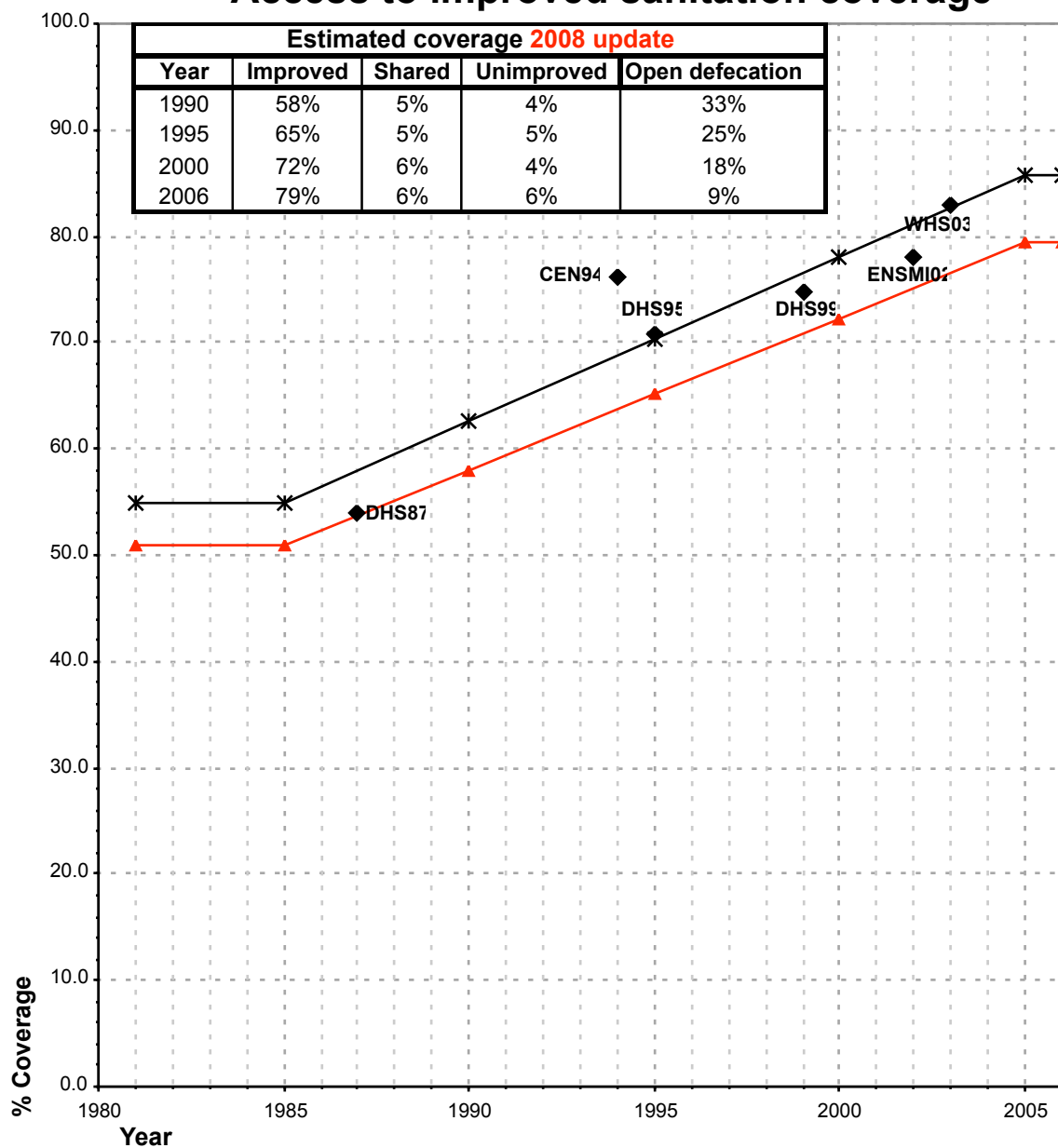
Improved

◆ Used for estimates ✱ Estimates ▲ JMP 2008 Estimate

Total access :

Sewerage connections :

Guatemala - rural - Access to improved sanitation coverage



Improved plus Shared

Improved

◆ Used for estimates * Estimates ▲ JMP 2008 Estimate

Total access :
Sewerage connections :