



**WHO / UNICEF**

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

Coverage Estimates  
**Improved Sanitation**

Updated in July 2008

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**Morocco**

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DHS 1987		
SANITATION	Urban	Rural
Private flush inside	88.6	25.4
Private flush outside	1.9	3.0
Outdoor Collective WC	3.0	0.7
No Facilities	6.2	70.6
Other (Not Defined)	0.2	0.3
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>
<b>Use of an improved sanitation facility</b>	<b>94%</b>	<b>29%</b>
% Sewerage connections		

Source: Moroccan Demographic and Health Survey 1987

DHS 1992		
SANITATION	Urban	Rural
Private flush inside	76.6	16.8
Shared flush inside	10.6	0.7
Private flush outside	1.4	0.7
Shared flush outside	1.7	0.1
Improved Pit	1.8	3.3
Simple Pit*	3.6	10.5
No Facilities	4.2	67.6
Other	0.0	0.1
not defined	0.2	0.1
<b>TOTAL</b>	<b>99.9</b>	<b>99.9</b>
* 50% of simple pits considered to be improved	1.8	5.3
<b>Use of an improved sanitation facility</b>	<b>94%</b>	<b>27%</b>
% Sewerage connections		

Source: Moroccan Demographic and Health Survey 1992

## Urban and Rural Sanitation - Moroc

### Surveys

DHS		1995	
SANITATION	Urban	Rural	
Private flush inside	84.4	15.9	
Shared flush inside	7.8	0.4	
Improved Pit	2.2	7.8	
Simple Pit*	3.0	15.2	
No Facilities	2.5	60.7	
Other (Not Defined)	0.1	0.0	
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>	
* 50% of simple pits considered to be improved	1.5	7.6	
<b>Use of an improved sanitation facility</b>	<b>96%</b>	<b>32%</b>	
% Sewerage connections			

Source: Moroccan Demographic and Health Survey 1995

WHS		2003	
SANITATION		Urban	Rural
Proportion shared improved facilities/all improved facilities		0.15	0.11
Private domestic connection to sewage system		73.7	2.4
Shared domestic connection to sewage system		12.9	0.2
Private flush to septic tank			
Shared flush to septic tank			
Private pour flush latrine			
Shared pour flush latrine			
Private covered dry latrine (with privacy)		10.7	48.2
Shared covered dry latrine (with privacy)		1.6	5.8
Uncovered dry latrine (without privacy)		0.2	2.7
Bucket latrine (where fresh excreta are manually removed)		0.4	3.7
No facilities (open defecation)		0.5	36.9
Other		0.1	0.2
<b>TOTAL</b>		<b>100.0</b>	<b>100.0</b>
<b>Use of an improved sanitation facility</b>		<b>99%</b>	<b>57%</b>
% Sewerage connections		<b>87%</b>	<b>3%</b>

Source: World Health Survey, WHO, 2003.

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<b>PAPFAM</b>		<b>2004</b>	
<b>SANITATION</b>	<b>Urban</b>	<b>Rural</b>	
Toilette à l'intérieur	92.8	47.9	
Toilettes à l'extérieur	5.0	8.4	
Latrines	0.5	2.7	
Fosse	0.1	0.9	
Seau	0.2	0.2	
Plein air	1.4	39.6	
Autre	0.1	0.2	
<b>TOTAL</b>	<b>100.1</b>	<b>99.9</b>	
* 50% of latrines considered to be improved	0.3	1.8	
<b>Use of an improved sanitation facility</b>	<b>98%</b>	<b>58%</b>	
% Sewerage connections			

Source: Demographic and Household Survey, Morocco, 2003-2004

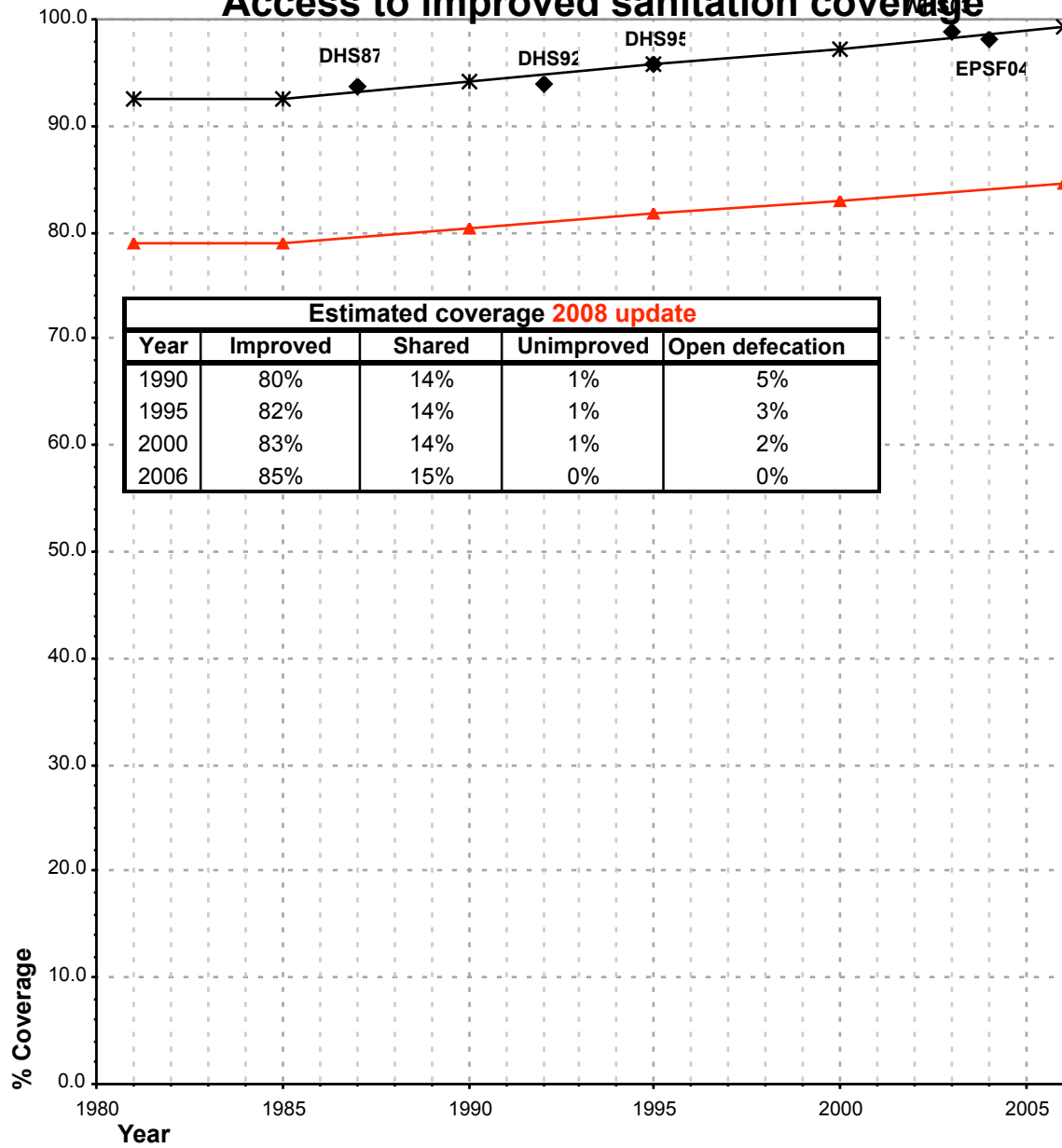
**Estimate**

<b>FORM6/WHO</b>		<b>1999</b>	
<b>SANITATION</b>	<b>Urban</b>	<b>Rural</b>	
Population served with household connections to conventional sewers	10'470.00	513.00	
Population without household connections but served with adequate, private or shared on-site system	4'487.00	4'102.00	
<b>Total population served</b>	<b>14'957.00</b>	<b>4'615.00</b>	
Total population unserved	0.00	8'203.00	
<b>Total population</b>	<b>14957</b>	<b>12818</b>	
<b>Use of an improved sanitation facility</b>	<b>100%</b>	<b>36%</b>	
<b>% Sewerage connections</b>	<b>70%</b>	<b>4%</b>	

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

Morocco			SANITATION								OPEN DEFECACTION			
			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												
The International Drinking Water Supply and Sanitation Decade. Review of Mid-Decade Progress (as at December 1985). WHO 1987.	WHO85	1985		62.0						16.0				
Moroccan Demographic and Health Survey 1987	DHS87	1987		90.6	93.6			28.4	29.1		6.2		70.6	
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1988		67.0		100.0				19.0				
The International Drinking Water Supply and Sanitation Decade. End of Decade Review (as at December 1990). WHO1992.	WHO90	1990		69.0		100.0								
Moroccan Demographic and Health Survey 1992	DHS92	1992			93.9			16.8	26.9		4.2		67.6	
Water Supply and Sanitation Sector Monitoring Report - 1996. Sector Status as of 31 December 1994. WHO/UNICEF 1996.	JMP96	1993				69.0				18.0				
Moroccan Demographic and Health Survey 1995	DHS95	1995			95.9			15.9	31.7		2.5		60.7	
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Qu	JMP99	1999		70.0		100.0			4.0	36.0				
World Health Survey, WHO, 2003.	WHS03	2003	86.7		98.9		2.5		56.5		0.5		36.9	
EPSF, Maroc 2003/2004 (PAPFAM)	EPSF	2004			98.1			44.9	58.1		1.4		39.6	

# Morocco - urban - Access to improved sanitation coverage



Improved plus shared

Improved

◆ Used for estimates

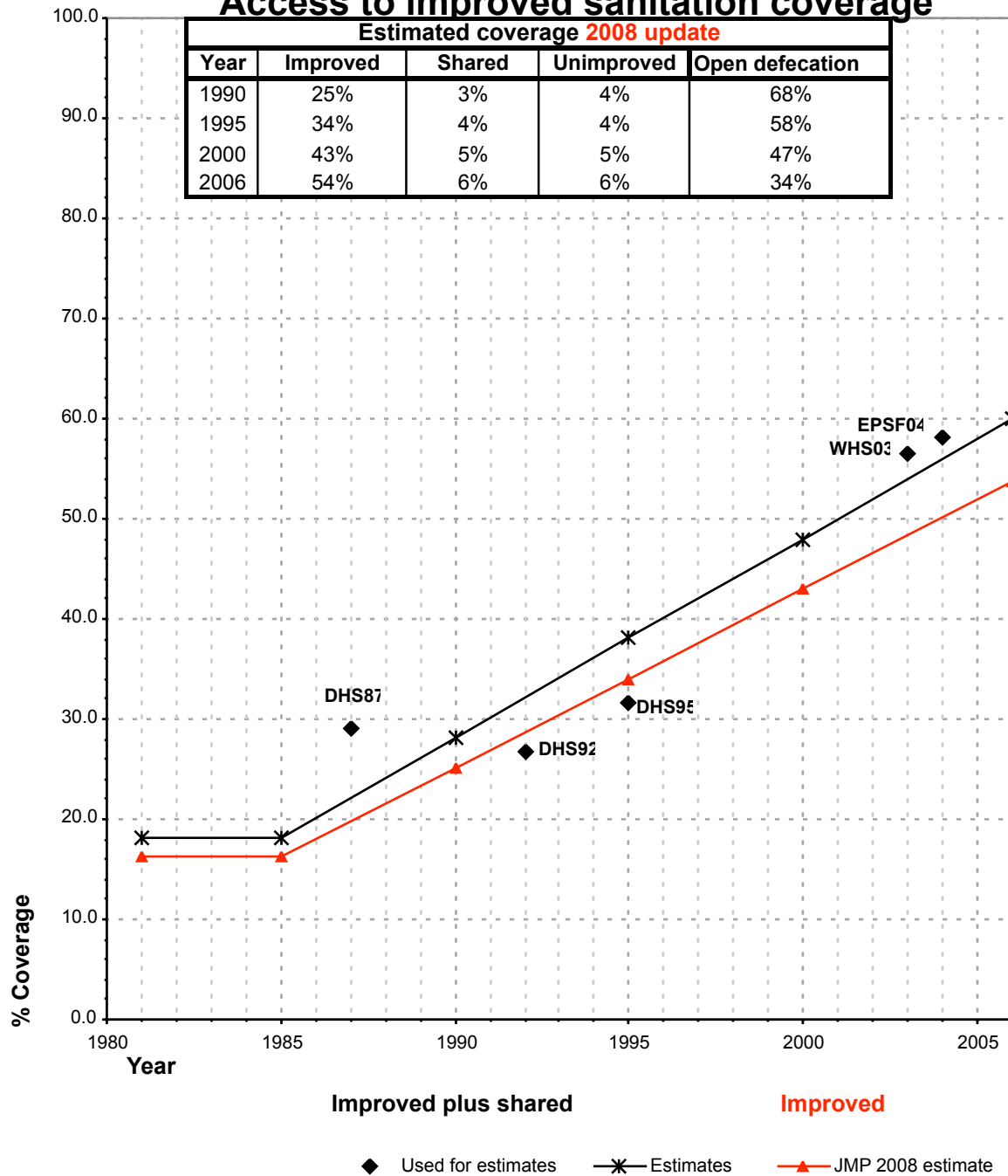
✱ Estimates

▲ JMP 2008 estimate

### Shared facilities :

The proportion of the population using a shared improved sanitation facility is based on the WHS03

# Morocco - rural - Access to improved sanitation coverage



### Shared facilities :

The proportion of the population using a shared improved sanitation facility is based on the WHS03