



**WHO / UNICEF**

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

Coverage Estimates  
**Improved Sanitation**

Updated in July 2008

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**Dominican Republic**

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## Urban and Rural Sanitation - Dominican Republic

DHS 1986		
SANITATION	Urban	Rural
Private toilet	48.5	8.1
Communal toilet	5.6	0.5
Private latrine (with cajon)	26.2	52.7
Communal latrine (with cajon)	12.5	14.0
Private latrine (without cajon)	2.5	2.5
Communal latrine (without cajon)	1.5	1.9
No facility	2.4	17.4
Other	0.8	0.4
<b>TOTAL</b>	<b>100.0</b>	<b>97.4</b>
Latrine with Cajon/All latrines	0.91	0.94
<b>% Use of an improved sanitation facility</b>	<b>93%</b>	<b>75%</b>
<b>% Sewerage connections</b>	<b>49%</b>	<b>8%</b>
<b>% Open defecation</b>	<b>2%</b>	<b>17%</b>

DHS 1991		
SANITATION	Urban	Rural
Private toilet	51.4	6.9
Communal toilet	11.3	1.9
Private latrine	16.0	43.8
Communal latrine	17.4	24.1
No facility	3.6	22.5
Other	0.0	0.5
<b>TOTAL</b>	<b>99.7</b>	<b>99.7</b>
Latrines with Cajon based on DHS 86	30.2	63.7
Estimated flush to sewer based on WHS03	33.9	2.9
<b>% Use of an improved sanitation facility</b>	<b>93%</b>	<b>72%</b>
<b>% Sewerage connections</b>	<b>34%</b>	<b>3%</b>
<b>% Open defecation</b>	<b>4%</b>	<b>23%</b>

DHS 1996		
SANITATION	Urban	Rural
Private toilet	53.5	8.9
Communal toilet	11.1	0.5
Private latrine (with cajon)	16.3	46.4
Communal latrine (with cajon)	12.0	17.0
Private latrine (without cajon))	1.5	4.7
Communal latrine (without cajon)	1.1	1.5
No facility	3.9	20.4
Other/ no information	0.5	0.7
<b>TOTAL</b>	<b>99.9</b>	<b>100.1</b>
Latrine with Cajon/All latrines	0.92	0.91
Estimated flush to sewer based on WHS03	34.9	3.1
<b>% Use of an improved sanitation facility</b>	<b>93%</b>	<b>73%</b>
<b>% Sewerage connections</b>	<b>35%</b>	<b>3%</b>
<b>% Open defecation</b>	<b>4%</b>	<b>20%</b>

*Source: DHS 1986, Dominican Republic,*

*Source: DHS 1991, Dominican Republic,*

*Source: DHS 1996, Dominican Republic,*

## Surveys

MICS		2000	
SANITATION		Urban	Rural
Inodoro con alcantarillado		74.6	19.7
Letrina sanitaria		6.5	10.6
Letrina tradicional		17.3	59.5
Letrina expuesta		0.4	2.2
No tiene sanitario, usa campo		0.4	6.3
No tiene sanitario, usa rio		0.2	0.1
Otro		0.7	1.5
<b>TOTAL</b>		<b>99.4</b>	<b>98.4</b>
Private letrina tradicional considered improved based on DHS02		15.9	54.5
Estimated flush to sewer based on WHS03		40.3	6.5
<b>% Use of an improved sanitation facility</b>		<b>97%</b>	<b>85%</b>
<b>% Sewerage connections</b>		<b>40%</b>	<b>7%</b>
<b>% Open defecation</b>		<b>1%</b>	<b>6%</b>

DHS		2002	
SANITATION		Urban	Rural
Inodoro privado		61.8	26.8
Inodoro compartido		7.9	2.5
Letrina privada con cajón		16.4	42.1
Letrina compartida con cajón		8.1	13.0
Letrina privada sin cajón		1.5	3.9
Letrina compartida sin cajón		0.7	1.1
No hay servicio		3.4	10.3
Otro		0.1	0.2
No sabe/sin información		0.1	0.2
<b>TOTAL</b>		<b>100</b>	<b>100</b>
Ratio latrines with cajon/all latrines		0.92	0.92
Estimated flush to sewer based on WHS03		37.7	9.7
<b>% Use of an improved sanitation facility</b>		<b>94%</b>	<b>84%</b>
<b>% Sewerage connections</b>		<b>38%</b>	<b>10%</b>
<b>% Open defecation</b>		<b>3%</b>	<b>10%</b>

WHS		2003	
Proportion shared improved facilities/all improved facilities		0.13	0.15
SANITATION		Urban	Rural
Private domestic connection to sewage system		35.8	8.8
Shared domestic connection to sewage system		1.6	0.1
Private flush to septic tank		27.9	15.7
Shared flush to septic tank		3.8	2.3
Private pour flush latrine		1.6	2.1
Shared pour flush latrine		0.9	0.9
Private covered dry latrine (with privacy)		18.8	47.3
Shared covered dry latrine (with privacy)		6.5	9.6
Uncovered dry latrine (without privacy)		1.2	1.4
Bucket latrine (where fresh excreta are manually removed)		0.1	0.9
No facilities (open defecation)		1.7	10.3
Other		0.1	0.6
<b>TOTAL</b>		<b>100.0</b>	<b>100.0</b>
Ratio flush to sewer/flush to sewer and septic tank		0.54	0.33
<b>% Use of an improved sanitation facility</b>		<b>97%</b>	<b>87%</b>
<b>% Sewerage connections</b>		<b>37%</b>	<b>9%</b>
<b>% Open defecation</b>		<b>2%</b>	<b>10%</b>

Source: MICS Informe Final, Diciembre del 2000

Source: Dominican Rep. Demographic and Health Survey 2002.

Source: World Health Survey, WHO, 2003.

## Urban and Rural Sanitation - Domini

<b>ENHOGAR</b>			<b>2006</b>	
Proportion shared improved facilities/all improved facilities			0.16	0.17
<b>SANITATION</b>	<b>Urban</b>	<b>Rural</b>		
Inodoro privado	68.2	33.7		
Inodoro compartido	9.0	2.3		
Letrina privada con cajón	11.9	38.9		
Letrina compartida con cajón	6.3	12.6		
Letrina privada sin cajón	1.9	5.1		
Letrina compartida sin cajón	0.3	1.0		
No hay servicio	2.2	7.0		
<b>TOTAL</b>	<b>100</b>	<b>101</b>		
Estimated flush to sewer based on WHS03	41.7	11.9		
<b>% Use of an improved sanitation facility</b>	<b>95%</b>	<b>88%</b>		
<b>% Sewerage connections</b>	<b>42%</b>	<b>12%</b>		
<b>% Open defecation</b>	<b>2%</b>	<b>7%</b>		

<b>Census</b>			<b>1993</b>	
<b>SANITATION</b>	<b>Urban</b>	<b>Rural</b>		
Private toilet	1758	320		
Communal toilet	460	96		
Private latrine	1095	1600		
Communal latrine	488	384		
Total population served	2853	1920		
<b>Total population</b>	<b>4094</b>	<b>3199</b>		
Latrines with Cajon based on DHS 96	1450	1807		
Estimated flush to sewer based on WHS03	1200	138		
<b>% Use of an improved sanitation facility</b>	<b>90%</b>	<b>69%</b>		
<b>% Sewerage connections</b>	<b>29%</b>	<b>4%</b>		
<b>% Open defecation</b>				

<b>Census</b>			<b>1998</b>	
<b>SANITATION</b>	<b>Urban</b>	<b>Rural</b>		
% Poblacion servida con conexiones domiciliarias pero servido con sistema adecuado "in situ", privado o compartido	31.4	0.0		
<b>% Use of an improved sanitation facility</b>	<b>96%</b>	<b>79%</b>		
<b>% Sewerage connections</b>	<b>31%</b>	<b>0%</b>		
<b>% Open defecation</b>				

*Source: Dominican Republic, Census in Form 6 JMP*

*Source: Dominican Republic, Oficina Nacional de Estadísticas, 1998*

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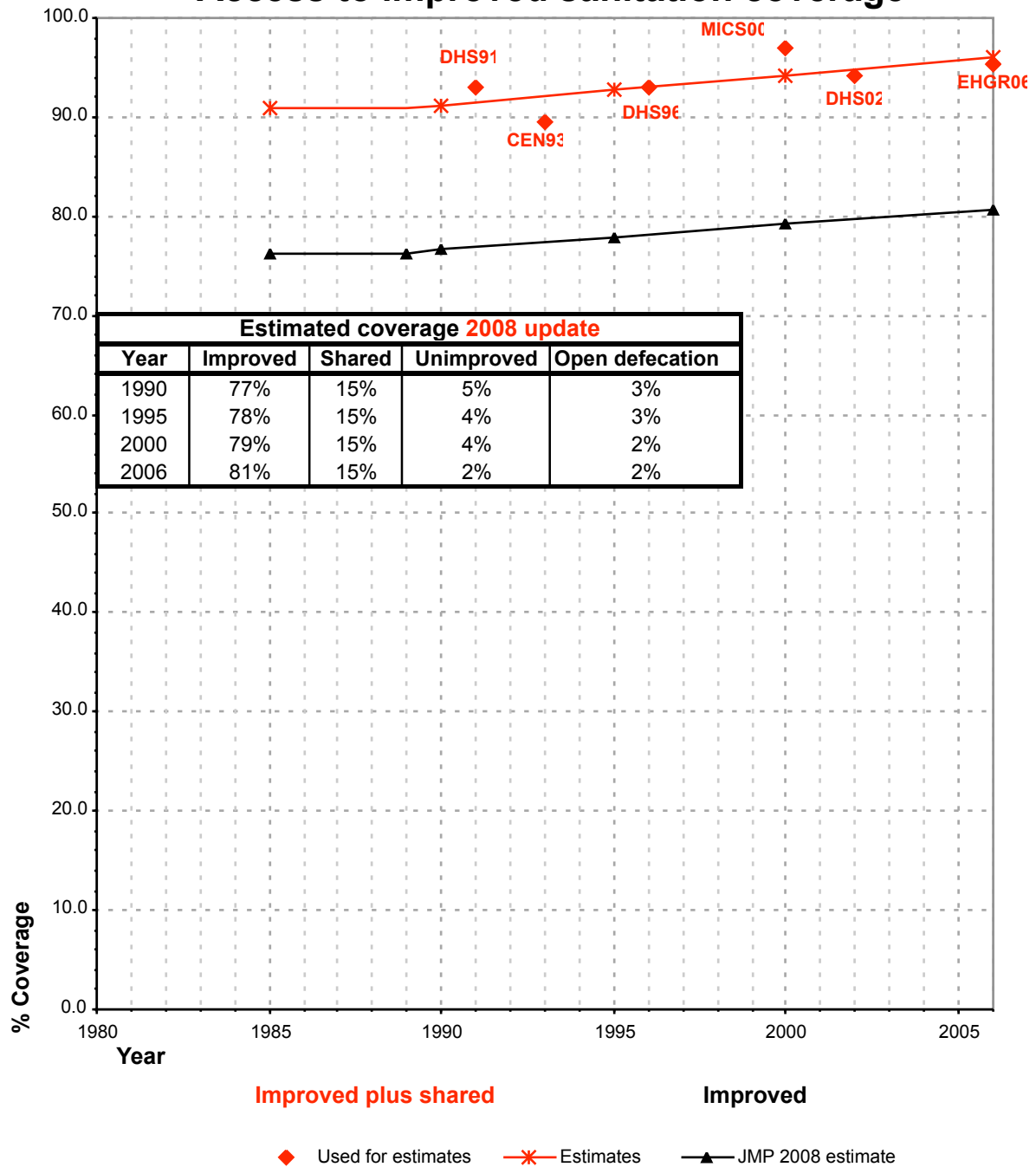
### Estimate

FORM6/WHO		1999	
SANITATION	Urban	Rural	
Population served with household connections to conventional sewers	1652.0	0.0	
Population without household connections but served with adequate, private or shared on-site system	3377.0	2327.9	
<b>Total population served</b>	<b>5029.0</b>	<b>2327.9</b>	
Total population unserved	231.5	630.1	
<b>Total population</b>	<b>5260.5</b>	<b>2958.0</b>	
<b>% Use of an improved sanitation facility</b>	<b>96%</b>	<b>79%</b>	
<b>% Sewerage connections</b>	<b>31%</b>	<b>0%</b>	

*Source; Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)*

Dominican Republic			SANITATION											
			URBAN				RURAL				OPEN DEFECACTION			
			HC		Total		HC		Total		Urban		Rural	
			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
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		25.0		25.0				4.0				
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1983). WHO 1986.	WHO83	1983		29.0		41.0				9.0				
The International Drinking Water Supply and Sanitation Decade. Review of Mid-Decade Progress (as at December 1985). WHO 1987.	WHO85	1985		22.0		72.0				59.0				
Dominican Republic Demographic and Health Survey 1986	DHS86	1986		48.5		92.8		8.3		75.2	2.4		17.4	
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1988		22.0		77.0				36.0				
The International Drinking Water Supply and Sanitation Decade. End of Decade Review (as at December 1990). WHO1992.	WHO90	1990		40.0		95.0				75.0				
Dominican Republic Demographic and Health Survey 1991.	DHS91	1991	33.9		92.9		2.9		72.5		3.6		22.5	
1993 census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999 (Form 4 sent to WHO)	CEN93	1993	29.3		89.6		4.3		69.5					
Water Supply and Sanitation Sector Monitoring Report - 1996. Sector Status as of 31 December 1994. WHO/UNICEF 1996.	JMP96	1994				76.0				83.0				
Dominican Republic Demographic and Health Survey 1996.	DHS96	1996	34.9		92.9		3.1		72.8		3.9		20.4	
Regional report on the global assesment in 2000 in the region of the Americas	JMP99	1998		31.4		95.6		0.0		78.7				
MICS Informe Final, Diciembre del 2000	MICS00	2000	40.3		97.0		6.5		84.8		0.6		6.4	
Dominican Republic, Oficina Nacional de Estadisticas, 1998	CR98	1998												
Dominican Rep. Demographic and Health Survey 2002.	DHS02	2002	37.7		94.2		9.7		84.4		3.4		10.3	
World Health Survey, WHO, 2003.	WHS03	2003		37.3		96.8		8.9		86.8	1.7		10.3	
	ENHOGAF	2006	41.7		95.4		11.9		87.5		2.2		7.0	

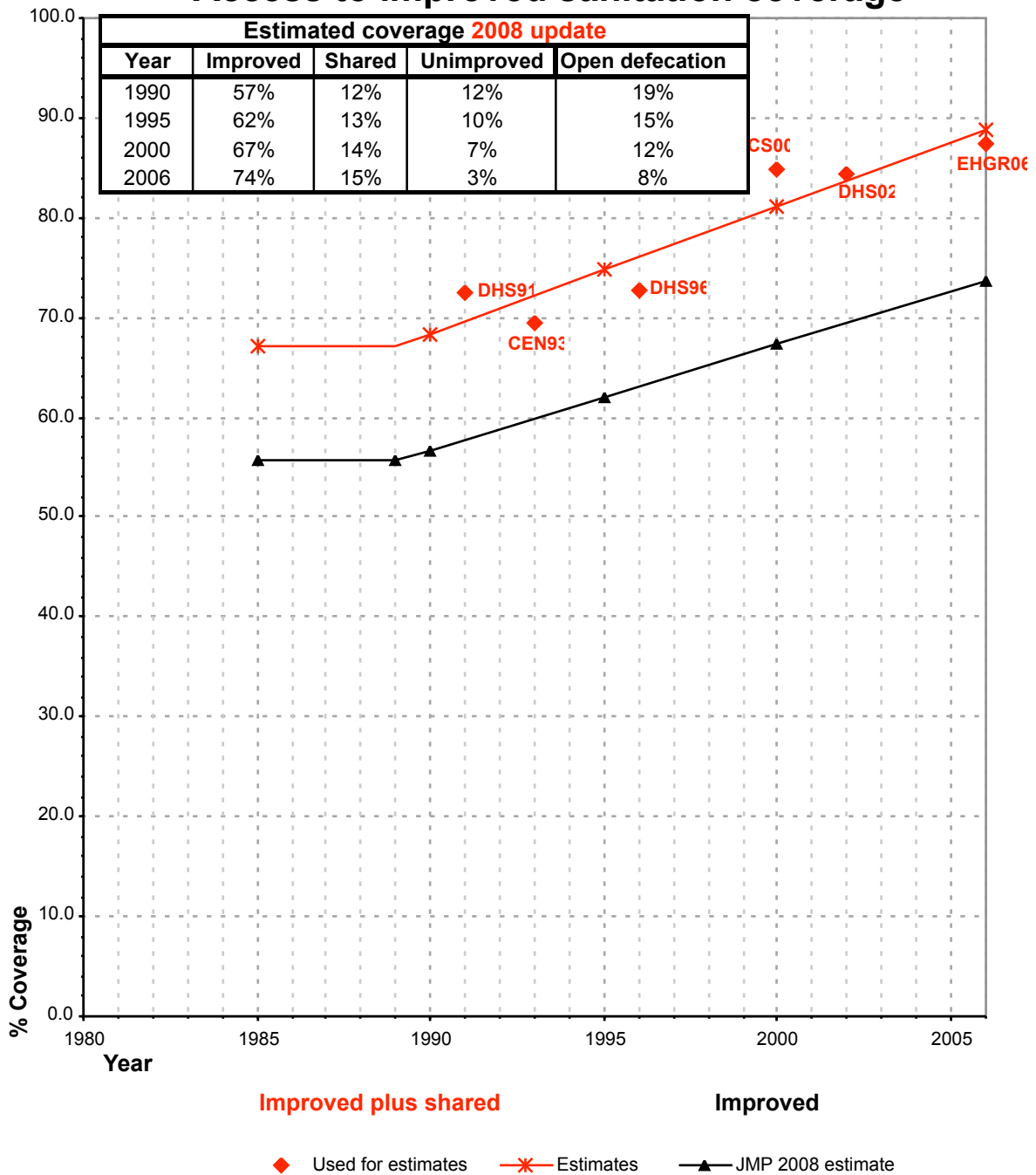
# Dominican Republic - urban - Access to improved sanitation coverage



**Shared facilities :**

The proportion of the population using a shared improved sanitation facility is based on the average of the WHS03 and ENHOGAR06

# Dominican Republic - rural - Access to improved sanitation coverage



### Shared facilities :

The proportion of the population using a shared improved sanitation facility is based on the average of the WWS03 and ENHOGAR06