



**WHO / UNICEF**

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

Estimates for the use of

**Improved  
Drinking-Water Sources**

Updated March 2010

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**Nicaragua**

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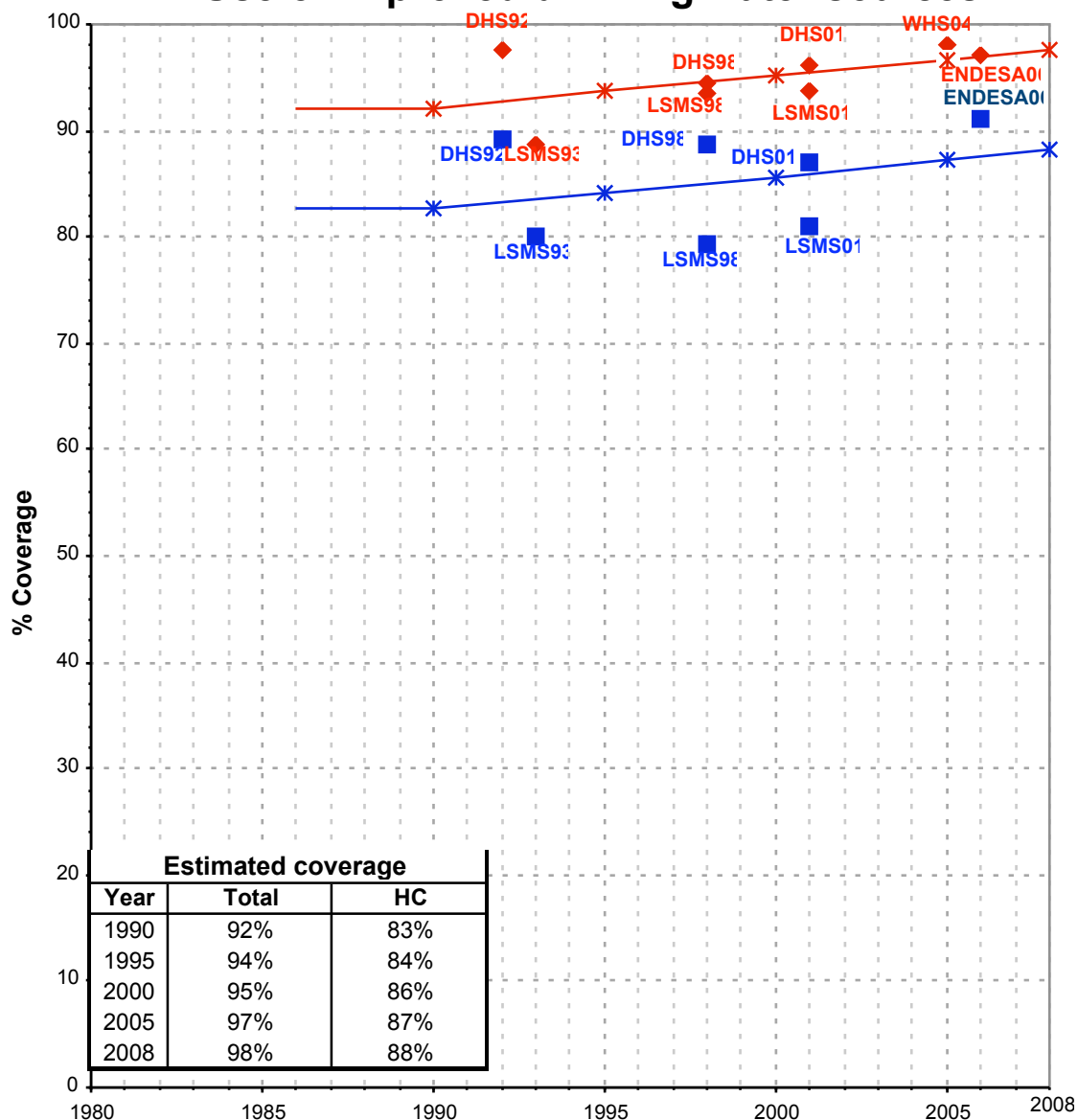
Access to drinking water sources		JMP99			Nicaragua			Access to drinking water sources		DHS01			Nicaragua		
Global Water Supply and Sanitation Assessment 2000.					Demographic and Health Survey										
Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1998					2001					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Population served with household connection	<b>Tap water</b>	88.3	14.4			<b>Tap water</b>	90.6	37.5							
	House connections	88.3	14.4			House connections	87.1	27.6							
	Piped water into dwelling				Dentro de la vivienda	Piped water into dwelling	46.9	7.7							
	Piped water to yard/plot				Fuera de la vivienda	Piped water to yard/plot	40.2	19.9							
	Public tap, standpipe				Puesto publico	Public tap, standpipe	1.0	6.3							
	Other				Puesto privado	Other	2.5	3.6							
Population without household connection but with reasonable access to a public	<b>Ground water</b>	6.7	19.1			<b>Ground water</b>	6.9	52.7							
	Protected ground water	6.7	19.1			Protected ground water									
	Unprotected ground water					Unprotected ground water									
	Protected wells or springs					Protected wells or springs									
	Private					Private									
Public					Public										
Other					Other										
Unprotected wells or springs						Unprotected wells or springs									
Private						Private									
Public						Public									
Other						Other									
<b>All wells</b>						<b>All wells</b>	6.6	34.9							
Private					Pozo publico	Private	1.7	14.2							
Public					Pozo privado	Public	4.9	20.7							
Other						Other									
Tubewell, borehole						Tubewell, borehole									
Private						Private									
Public						Public									
Other						Other									
<b>Traditional wells</b>						<b>Traditional wells</b>									
Private						Private									
Public						Public									
Other						Other									
Protected well						Protected well									
Private						Private									
Public						Public									
Other						Other									
Unprotected well						Unprotected well									
Private						Private									
Public						Public									
Other						Other									
<b>All springs</b>					Manantial	<b>All springs</b>	0.3	17.8							
Private						Private									
Public						Public									
Other						Other									
Protected spring						Protected spring									
Private						Private									
Public						Public									
Other						Other									
Unprotected spring						Unprotected spring									
Private						Private									
Public						Public									
Other						Other									
<b>Rainwater</b>						<b>Rainwater</b>	0.7	0.4							
Covered cistern/tank					Agua de lluvia	Covered cistern/tank	0.1	0.4							
Uncovered cistern/tank						Uncovered cistern/tank									
<b>Bottled water</b>						<b>Bottled water</b>	2.1	0.1							
with other improved					Agua purificada	with other improved	2.1	0.1							
without other improved						without other improved									
<b>Surface water</b>					Rio o quebrada	<b>Surface water</b>	0.2	9.3							
River						River									
Lake						Lake									
Dam						Dam									
Pond						Pond									
Stream						Stream									
Irrigation channel						Irrigation channel									
Other						Other									
<b>Other improved sources</b>						<b>Other improved sources</b>									
Other						Other									
Other						Other									
Total population unserved	<b>Other non-improved</b>	5.0	66.4			<b>Other non-improved</b>	0.2	0.1							
	Cart with small tank/drum					Cart with small tank/drum									
	Tanker truck provided				Otra fuente	Tanker truck provided									
	Other					Other	0.2	0.1							
	Other					Other									
	<b>DK/missing</b>					<b>DK/missing</b>									
	<b>Total</b>	100.0	100.0			<b>Total</b>	100.1	100.1							
<b>Calculations</b>					<b>Calculations</b>										
<b>Estimations</b>					<b>Estimations</b>	50% of wells considered improved	3.3	17.5							
						50% of springs considered improved	0.2	8.9							
<b>Access to improved drinking water sources :</b>		95%	34%		<b>Access to improved drinking water sources :</b>		96%	64%							
<b>Access to house connections :</b>		88%	14%		<b>Access to house connections :</b>		87%	28%							
Used for the estimates:		No	No		Used for the estimates:		Yes	Yes							
Used for the estimates:		No	No		Used for the estimates:		Yes	Yes							
<b>Ratios</b>	HC / Tap water	100%	100%		<b>Ratios</b>	HC / Tap water	96%	74%							
	Public tap / Tap water					Public tap / Tap water	1%	17%							
	Tubewell + protected well / All wells					Tubewell + protected well / All wells									
	Protected wells / Traditional wells					Protected wells / Traditional wells									
	Tubewell / All wells					Tubewell / All wells									
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring					Protect. well & spring / well & spring									
						Ratio of springs/spring.river/stream	60%	66%							
Number of people covered by the survey:					Number of people covered by the survey:										
Number of households covered by the survey:					Number of households covered by the survey:										
Total population:		2514.2	2175.2		Total population:										
<b>Comments</b>					<b>Comments</b>										





Nicaragua			DRINKING WATER							
			URBAN				RURAL			
			House connection		Total		House connection		Total	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Demographic and Health Survey	DHS92	1992	89.1		97.6		16.5		57.7	
Living Standarts Measurement Survey	LSMS93	1993	80.0		88.8		20.6		56.1	
Demographic and Health Survey	DHS98	1998	88.6		93.5		24.7		57.9	
Living Standarts Measurement Survey	LSMS98	1998	79.4		94.4		20.0		59.3	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1998		88.3		95.0		14.4		33.6
Demographic and Health Survey	DHS01	2001	87.1		96.3		27.6		64.4	
Living Standarts Measurement Survey	LSMS01	2001	81.1		93.8		23.1		62.7	
Censo, 2005	CEN05	2005			98.0				69.0	
	ENDES A06	2006	91.1		97.1		24.1		64.8	

# Nicaragua - urban - Use of improved drinking water sources



Total improved access

Household connections (HC)

◆ Used for the estimates    ■ Used for the estimates    \* Estimates    \* Estimates

# Nicaragua - rural - Use of improved drinking water sources

