



WHO / UNICEF

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

Estimates for the use of

**Improved
Drinking-Water Sources**

Updated March 2010

Ecuador

Access to drinking water sources		DHS87		Ecuador		Access to drinking water sources		CEN90		Ecuador	
Demographic and Health Survey				1987		National Census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999.				1990	
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
	Tap water					Tap water	77.5	39.0			
	House connections					House connections	77.5	39.0			
	Piped water into dwelling				Household Connection	Piped water into dwelling	72.9	30.9			
	Piped water to yard/plot				Shared Water Point	Piped water to yard/plot	4.6	8.1			
	Public tap, standpipe					Public tap, standpipe					
	Other					Other					
	Ground water					Ground water	4.6	25.4			
	Protected ground water					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					
	All wells				Well	All wells	4.6	25.4			
	Private					Private					
	Public					Public					
	Other					Other					
	Tubewell, borehole					Tubewell, borehole					
	Private					Private					
	Public					Public					
	Other					Other					
	Traditional wells					Traditional wells					
	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					
	All springs					All springs					
	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					
	Rainwater					Rainwater					
	Covered cistern/tank					Covered cistern/tank					
	Uncovered cistern/tank					Uncovered cistern/tank					
	Bottled water					Bottled water					
	with other improved					with other improved					
	without other improved					without other improved					
	Surface water					Surface water					
	River					River					
	Lake					Lake					
	Dam					Dam					
	Pond					Pond					
	Stream					Stream					
	Irrigation channel					Irrigation channel					
	Other					Other					
	Other improved sources					Other improved sources					
	Other					Other					
	Other					Other					
	Other non-improved					Other non-improved	17.9	35.6			
	Cart with small tank/drum				Distributing vehicle	Cart with small tank/drum	16.5	7.3			
	Tanker truck provided				Other	Tanker truck provided	1.4	28.3			
	Other					Other					
	Other					Other					
	DK/missing					DK/missing					
	Total					Total	100.0	100.0			
Calculations					Calculations						
Estimations					Estimations	protected wells based on WHS03	3.9	21.1			
						Standpipe, based on ECV98	-2.3	-1.2			
Access to improved drinking water sources :							81%	60%			
Access to house connections :							75%	38%			
Used for the estimates:							No	No			
Used for the estimates:							No	No			
Used for the estimates:							No	No			
Ratios	HC / Tap water				Ratios	HC / Tap water	100%	100%			
	Public tap / Tap water					Public tap / Tap water					
	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					
Number of people covered by the survey:											
Number of households covered by the survey:											
Total population:							5346	4302			
Comments					Comments						

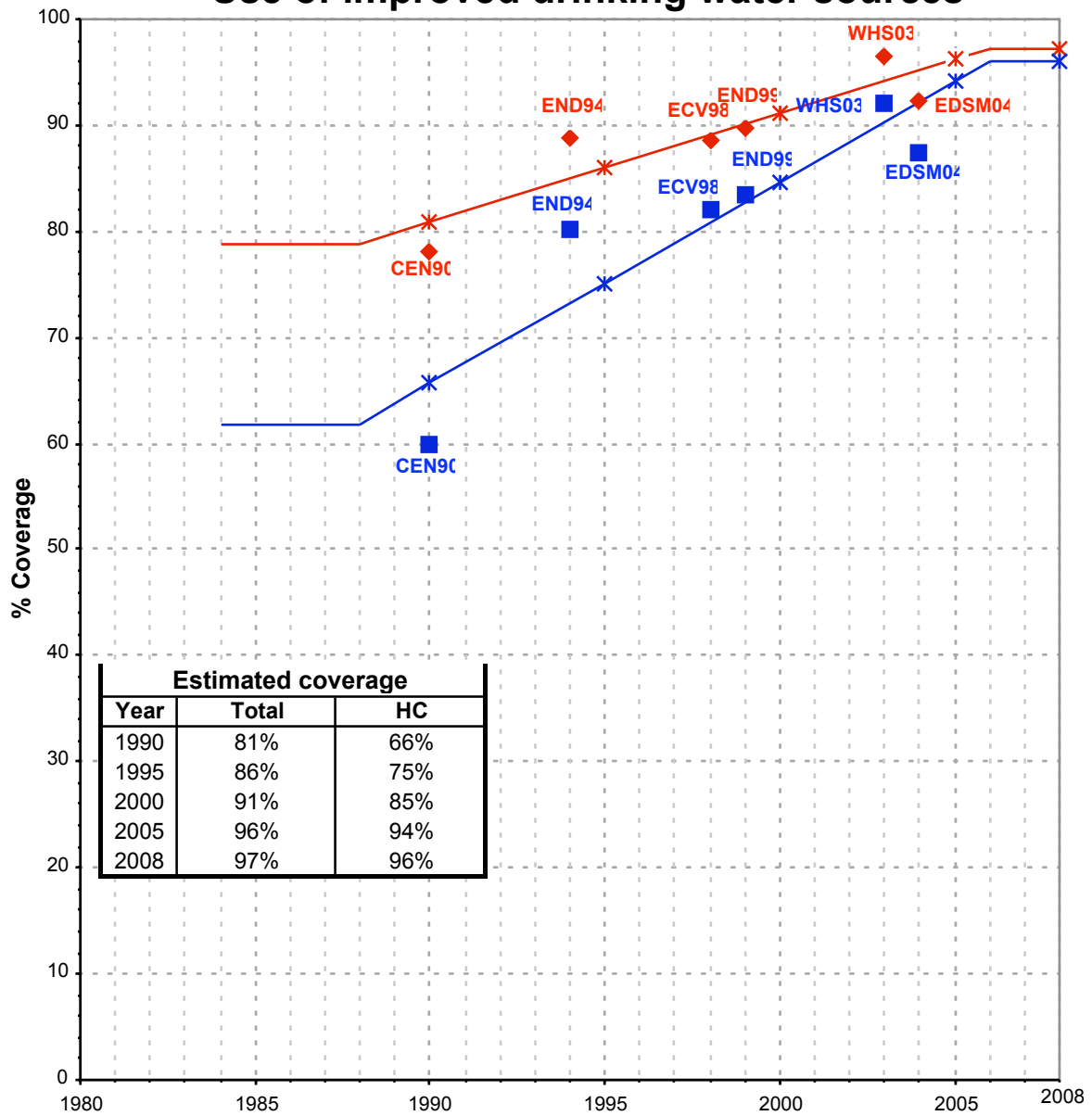
Access to drinking water sources		END94			Ecuador			Access to drinking water sources		ECV98			Ecuador						
ENDEMAIN					Desigualdades en el acceso, uso y gasto con el agua potable en América Latina y el Caribe.														
CEPAR/USAID/CDC/UNFPA					1994					PAHO, Feb 2001, based on ECV 1998					1998				
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total										
	Tap water					Tap water													
	House connections	85.8	52.8	71.7		House connections	84.6	52.2											
Red publica dentro de la vivienda	Piped water into dwelling	62.6	24.9	46.5	Red publica dentro de la vivienda	Piped water into dwelling	73.0	26.7											
Red publica fuera de la vivienda	Piped water to yard/plot	23.2	27.9	25.2	Red publica fuera de la vivienda pero en el lote o lote	Piped water to yard/plot	52.2	9.7											
	Public tap, standpipe				Pila o llave publica	Public tap, standpipe	2.5	1.7											
	Other				Otra fuente por tuberia	Other	9.1	23.8											
	Ground water	3.4	25.4	12.8		Ground water	3.0	12.0											
	Protected ground water					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													
Agua de pozo	All wells	3.4	25.4	12.8	Pozo	All wells	3.0	12.0											
	Private					Private													
	Public					Public													
	Other					Other													
	Tubewell, borehole					Tubewell, borehole													
	Private					Private													
	Public					Public													
	Other					Other													
	Traditional wells					Traditional wells													
	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													
	All springs					All springs													
	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													
	Rainwater					Rainwater	2.5	11.3											
	Covered cistern/tank				Agua de lluvia	Covered cistern/tank	2.5	11.3											
	Uncovered cistern/tank					Uncovered cistern/tank													
	Bottled water					Bottled water													
	with other improved					with other improved													
	without other improved					without other improved													
Rio/vertiente/acequia/canal	Surface water	0.3	15.5	6.8	Rio, vertiente o acquia	Surface water	0.6	18.6											
	River					River													
	Lake					Lake													
	Dam					Dam													
	Pond					Pond													
	Stream					Stream													
	Irrigation channel					Irrigation channel													
	Other					Other													
	Other improved sources					Other improved sources													
	Other					Other													
	Other					Other													
	Other non-improved	10.5	6.3	8.7		Other non-improved	9.3	5.8											
	Cart with small tank/drum				Carro repartidor, triciclo	Cart with small tank/drum	6.5	2.7											
Camion tanquero	Tanker truck provided	9.1	2.3	6.2		Tanker truck provided													
Otro	Other	1.4	4.0	2.5	Red publica y carro repartidor	Other	2.2	1.5											
	Other				Otro	Other	0.6	1.8											
	DK/missing					DK/missing													
	Total	100.0	100.0	100.0		Total	100.0	100.0											
Calculations					Calculations														
Estimations					Estimations														
	protected wells based on WHS03	2.9	21.1			protected wells based on WHS03	1.5	6.0											
	Standpipe, based on CEN90	-5.6	-10.8																
Access to improved drinking water sources : 89% 74%					Access to improved drinking water sources : 89% 70%														
Access to house connections : 80% 42%					Access to house connections : 82% 50%														
Used for the estimates: Yes Yes					Used for the estimates: Yes Yes														
Used for the estimates: Yes Yes					Used for the estimates: Yes Yes														
Ratios					Ratios														
	HC / Tap water	100%	100%			HC / Tap water	86%	51%											
	Public tap / Tap water					Public tap / Tap water	3%	3%											
	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													
						"en el lote" / "fuera"	64%	40%											
						Standpipe among tap water	3%	3%											
						Rainwater among surface water	81%	38%											
	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:					Total population:													
Comments					Comments														

Access to drinking water sources		END99			Ecuador			Access to drinking water sources		JMP99			Ecuador		
ENDEMAIN					Global Water Supply and Sanitation Assessment 2000.										
CEPAR/USAID/CDC/UNFPA					Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1998					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Tap water	86.1	61.5	76.0		Tap water	76.9	42.0							
	House connections	86.1	61.5	76.0	Population served with household connection	House connections	76.9	42.0							
Tuberia al interior	Piped water into dwelling	62.0	17.9	44.1		Piped water into dwelling									
Tuberia fuera	Piped water to yard/plot	24.1	43.6	31.9		Piped water to yard/plot									
	Public tap, standpipe					Public tap, standpipe									
	Other					Other									
	Ground water	4.3	16.3	9.2		Ground water	4.6	9.4							
	Protected ground water				Population without household connection but with reasonable access to a public	Protected ground water	4.6	9.4							
	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									
Pozo abierto	All wells	4.3	16.3	9.2		All wells									
	Private					Private									
	Public					Public									
	Other					Other									
	Tubewell, borehole					Tubewell, borehole									
	Private					Private									
	Public					Public									
	Other					Other									
	Traditional wells					Traditional wells									
	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									
	All springs					All springs									
	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									
	Rainwater					Rainwater									
	Covered cistern/tank					Covered cistern/tank									
	Uncovered cistern/tank					Uncovered cistern/tank									
	Bottled water					Bottled water									
	with other improved					with other improved									
	without other improved					without other improved									
Rio, acequia o canal	Surface water	0.9	14.1	6.2		Surface water									
	River					River									
	Lake					Lake									
	Dam					Dam									
	Pond					Pond									
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	Other improved sources					Other improved sources									
	Other					Other									
	Other					Other									
	Other non-improved	8.7	8.1	8.6	Total population unserved	Other non-improved	18.5	48.6							
	Cart with small tank/drum					Cart with small tank/drum									
Tanquero	Tanker truck provided	7.0	2.5	5.2		Tanker truck provided									
Otro	Other	1.7	5.6	3.4		Other									
	Other					Other									
	DK/missing					DK/missing									
	Total	100.0	100.0	100.0		Total	100.0	100.0							
Calculations					Calculations										
Estimations	protected wells based on WHS03	3.7	13.6		Estimations										
	Standpipe, based on ECV98	-2.5	-2.0												
Access to improved drinking water sources :		90%	75%		Access to improved drinking water sources :		81%	51%							
Access to house connections :		84%	60%		Access to house connections :		77%	42%							
Used for the estimates:		Yes	Yes		Used for the estimates:		No	No							
		Yes	Yes				No	No							
Ratios	HC / Tap water	100%	100%		Ratios	HC / Tap water	100%	100%							
	Public tap / Tap water					Public tap / Tap water									
	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									
	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:					Total population:	7635	4540							
Comments					Comments										

Access to drinking water sources		EDSM04			Ecuador			Access to drinking water sources		CEN90			Ecuador		
ENCUESTA DEMOGRAFICA Y DE SALUD MATERNO INFANTIL					2004			National Census					1990		
					IPUMS										
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	
	Tap water	88.6	59.5			Tap water	64.0	21.9			Tap water	59.8	17.4		
	House connections	88.6	59.5			House connections	59.8	17.4			House connections	45.7	6.9		
Tuberia dentro la vivienda	Piped water into dwelling	66.5	19.8		Pipe inside dwelling	Piped water into dwelling	45.7	6.9		Piped water into dwelling	14.1	10.5			
Tuberia fuera la vivienda, dentro del lote	Piped water to yard/plot	22.1	39.7		Pipe outside dwelling	Piped water to yard/plot	14.1	10.5		Piped water to yard/plot	4.2	4.5			
	Public tap, standpipe				Pipe outside building	Public tap, standpipe	4.2	4.5		Public tap, standpipe					
	Other					Other				Other					
	Ground water	4.1	20.3			Ground water	9.5	27.5			Ground water				
	Protected ground water					Protected ground water					Protected ground water				
	Unprotected ground water					Unprotected ground water					Unprotected ground water				
	Protected wells or springs					Protected wells or springs					Protected wells or springs				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Unprotected wells or springs					Unprotected wells or springs					Unprotected wells or springs				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
Grifo o pozo	All wells	4.1	20.3		Well	All wells	9.5	27.5			All wells				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Tubewell, borehole					Tubewell, borehole					Tubewell, borehole				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Traditional wells					Traditional wells					Traditional wells				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Protected well					Protected well					Protected well				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Unprotected well					Unprotected well					Unprotected well				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	All springs					All springs					All springs				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Protected spring					Protected spring					Protected spring				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Unprotected spring					Unprotected spring					Unprotected spring				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Rainwater					Rainwater					Rainwater				
	Covered cistern/tank					Covered cistern/tank					Covered cistern/tank				
	Uncovered cistern/tank					Uncovered cistern/tank					Uncovered cistern/tank				
	Bottled water					Bottled water					Bottled water				
	with other improved					with other improved					with other improved				
	without other improved					without other improved					without other improved				
Rio, acequia, manantial, ojo de agua	Surface water	0.2	12.6		River, spring, etc.	Surface water	7.4	40.7			Surface water				
	River					River					River				
	Lake					Lake					Lake				
	Dam					Dam					Dam				
	Pond					Pond					Pond				
	Stream					Stream					Stream				
	Irrigation channel					Irrigation channel					Irrigation channel				
	Other					Other					Other				
	Other improved sources					Other improved sources					Other improved sources				
	Other					Other					Other				
	Other					Other					Other				
	Other non-improved	7.1	7.6			Other non-improved	18.2	9.0			Other non-improved				
	Cart with small tank/drum					Cart with small tank/drum					Cart with small tank/drum				
	Tanker truck provided				Delivery truck	Tanker truck provided	15.0	4.4			Tanker truck provided	3.2	4.6		
Otro	Other	7.1	7.6		Other	Other	3.2	4.6			Other				
	Other					Other					Other				
	DK/missing				NIU	DK/missing	1.0	0.7			DK/missing				
	Total	100.0	100.0			Total	100.1	99.8			Total				
Calculations					Calculations					Calculations					
Estimations	protected wells based on WHS03	3.5	16.9			protected wells based on WHS03	8.1	22.9			protected wells based on WHS03				
	Rainwater, based on ECV98	0.2	4.8			Rainwater, based on ECV98	6.0	15.4			Rainwater, based on ECV98				
	Standpipe, based on WHS03	-1.1	-1.8												
Access to improved drinking water sources :		92%	81%		Access to improved drinking water sources :		78%	60%		Access to improved drinking water sources :		78%	60%		
Access to house connections :		88%	58%		Access to house connections :		60%	17%		Access to house connections :		60%	17%		
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes		
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes		
Ratios	HC / Tap water	100%	100%		Ratios	HC / Tap water	93%	79%		Ratios	HC / Tap water	7%	21%		
	Public tap / Tap water					Public tap / Tap water					Public tap / Tap water				
	Tubewell + protected well / All wells					Tubewell + protected well / All wells					Tubewell + protected well / All wells				
	Protected wells / Traditional wells					Protected wells / Traditional wells					Protected wells / Traditional wells				
	Tubewell / All wells					Tubewell / All wells					Tubewell / All wells				
	Protected springs / All springs					Protected springs / All springs					Protected springs / All springs				
	Protect. well & spring / well & spring					Protect. well & spring / well & spring					Protect. well & spring / well & spring				
	Number of people covered by the survey:					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:					Number of households covered by the survey:				
	Total population:					Total population:					Total population:				
Comments					Comments					Comments					

Ecuador			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	DHS87	1987								
National Census	CEN90	1990		75.2		81.4		37.8		60.2
ENDEMAIN	END94	1994	80.2		88.7		42.0		73.9	
Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe	ECV98	1998	82.1		88.6		50.5		69.5	
ENDEMAIN	END99	1999	83.6		89.8		59.5		75.1	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1998		76.9		81.5		42.0		51.4
World Health Survey	WHS03	2003	92.1		96.4		68.3		89.7	
ENCUESTA DEMOGRAFICA Y DE SALUD MATERNO INFANTIL	EDSM89	1989		79.7		87.6		31.1		61.2
ENCUESTA DEMOGRAFICA Y DE SALUD MATERNO INFANTIL	EDSM04	2004	87.5		92.3		57.7		81.2	
National Census	CEN90	1990	59.8		78.1		17.4		60.2	

Ecuador - urban - Use of improved drinking water sources



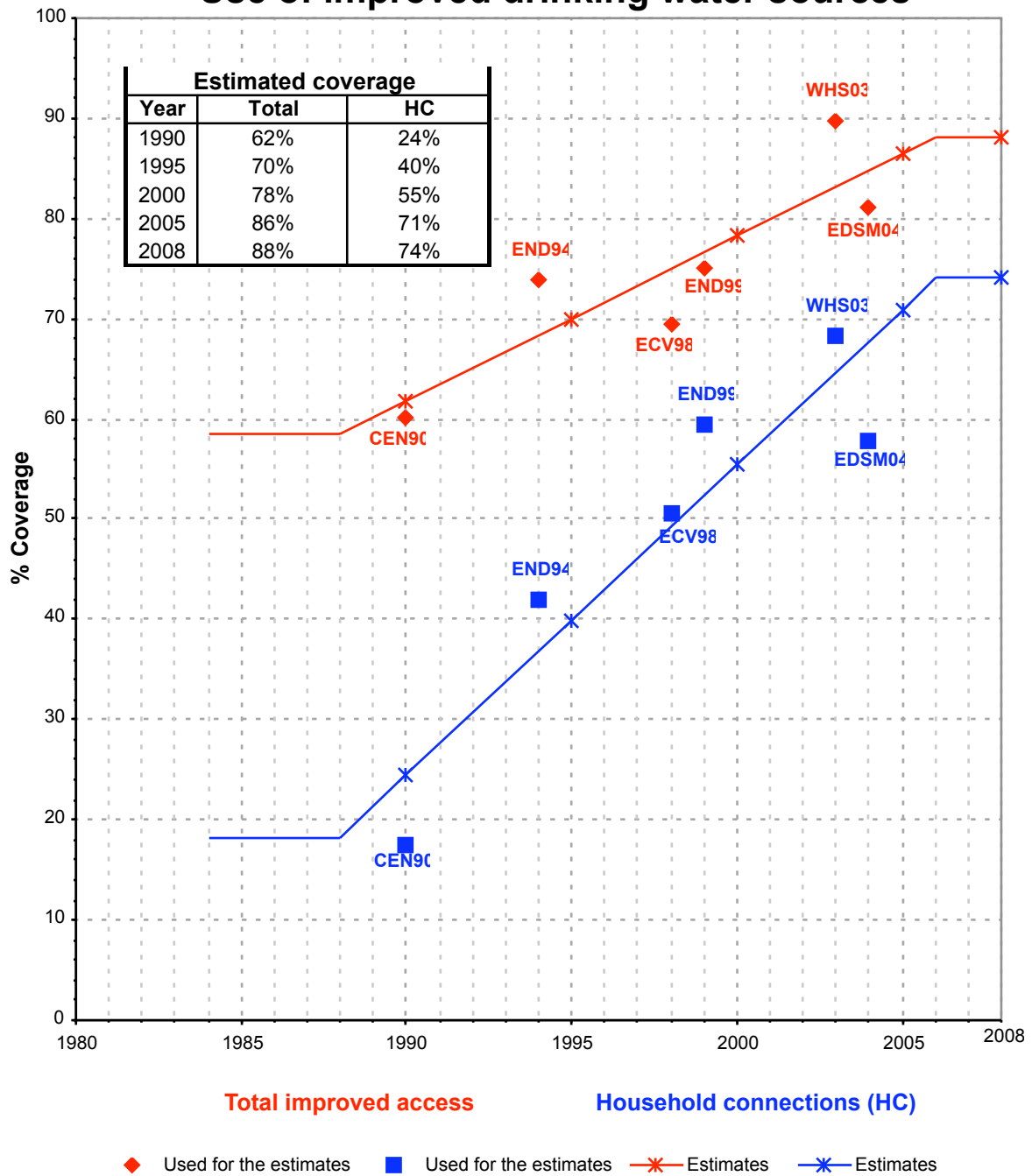
Total improved access

Household connections (HC)

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

Total access :
Household connections :

Ecuador - rural - Use of improved drinking water sources



Total access :
Household connections :