



WHO / UNICEF

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

Estimates for the use of

**Improved
Drinking-Water Sources**

Updated March 2010

Costa Rica

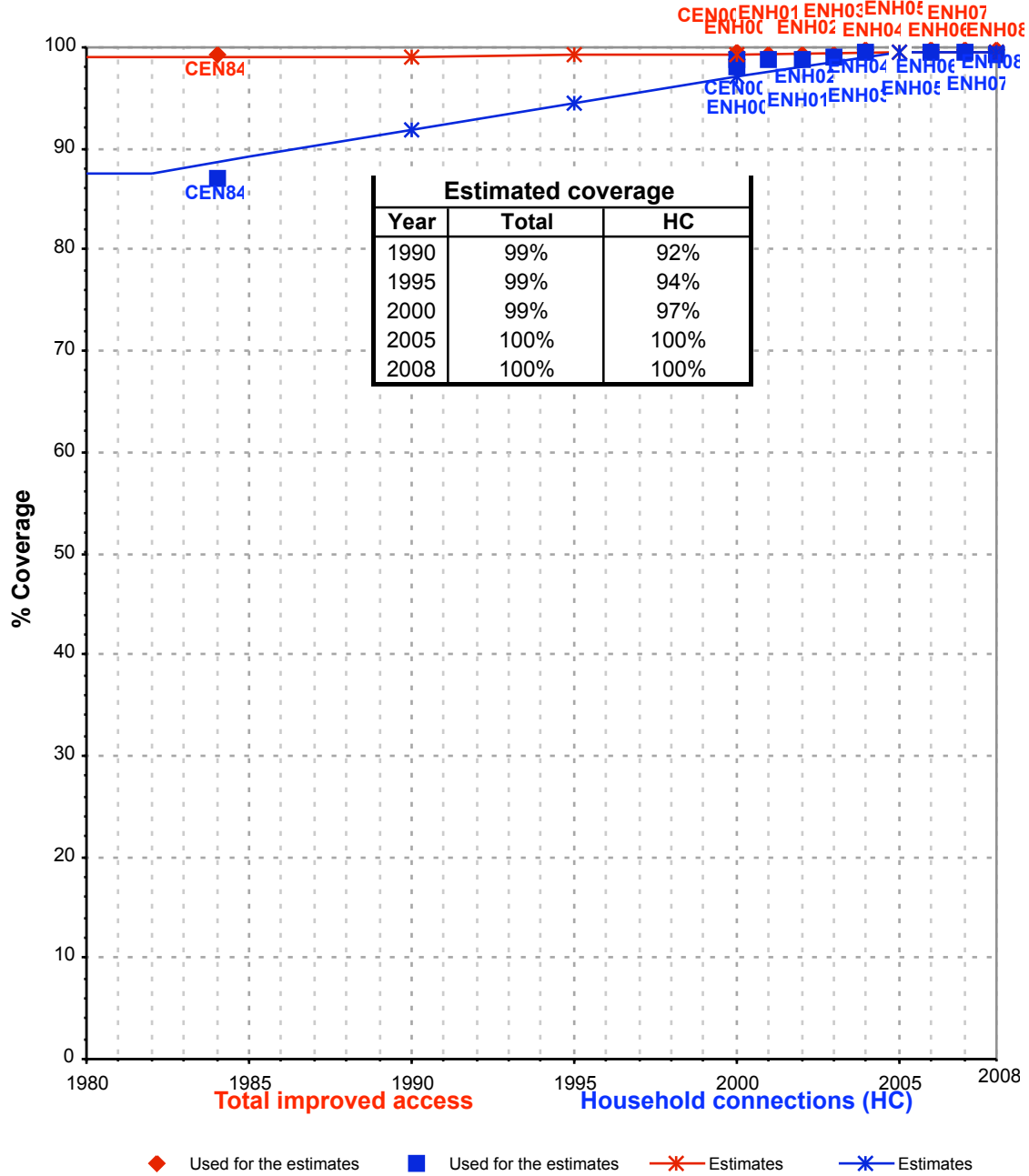
Access to drinking water sources		Costa Rica			Access to drinking water sources		Costa Rica		
Encuesta Nacional de Hogares					Encuesta Nacional de Hogares				
INE		2000			INE		2001		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total
	Tap water	98.2	78.2	90.2		Tap water	98.8	80.8	91.6
	House connections	72.7	33.8	57.0		House connections	70.5	36.3	56.9
Acueducto del A y A	Piped water into dwelling	72.7	33.8	57.0	Acueducto del A y A	Piped water into dwelling	70.5	36.3	56.9
	Piped water to yard/plot					Piped water to yard/plot			
	Public tap, standpipe					Public tap, standpipe			
Acueducto rural o Municipal	Other	25.5	44.4	33.2	Acueducto rural o Municipal	Other	28.3	44.5	34.7
	Ground water	0.6	10.9	4.8		Ground water	0.4	10.2	4.3
	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			
Pozo	All wells	0.6	10.9	4.8	Pozo	All wells	0.4	10.2	4.3
	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	0.3	0.4	0.4		Rainwater	0.3	0.7	0.4
Lluvia u otro	Covered cistern/tank	0.3	0.4	0.4	Lluvia u otro	Covered cistern/tank	0.3	0.7	0.4
	Uncovered cistern/tank					Uncovered cistern/tank			
	Bottled water					Bottled water			
	with other improved					with other improved			
	without other improved					without other improved			
	Surface water	0.5	10.0	4.4		Surface water	0.4	8.3	3.5
Rio, quebrada o nacimiento	River	0.5	10.0	4.4	Rio, quebrada o nacimiento	River	0.4	8.3	3.5
	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			
	Cart with small tank/drum					Cart with small tank/drum			
	Tanker truck provided					Tanker truck provided			
	Other					Other			
	Other					Other			
Ignorado	DK/missing	0.3	0.5	0.4	Ignorado	DK/missing	0.1	0.0	0.1
	Total	99.9	100.0	100.2		Total	100.0	100.0	99.9
Calculations					Calculations				
Estimations	50% of wells considered improved	0.3	5.5		Estimations	50% of wells considered improved	0.2	5.1	
	House connections of acueducto rural o Municipal based on CEN00	25.4	43.9	32.9		House connections of acueducto rural o Municipal based on CEN00	28.2	44.0	34.3
Access to improved drinking water sources :		99%	84%	91%	Access to improved drinking water sources :		99%	87%	92%
Access to house connections :		98%	78%	90%	Access to house connections :		99%	80%	91%
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	74%	43%		Ratios	HC / Tap water	71%	45%	
	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:			
Comments					Comments				

Access to drinking water sources		Costa Rica			Access to drinking water sources		Costa Rica		
Encuesta Nacional de Hogares					Encuesta Nacional de Hogares				
INE		2002			INE		2003		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total
	Tap water	98.8	80.8	91.6		Tap water	99.1	83.5	92.9
	House connections	70.5	36.3	56.9		House connections	70.8	41.1	59.0
Acueducto del A y A	Piped water into dwelling	70.5	36.3	56.9	Acueducto del A y A	Piped water into dwelling	70.8	41.1	59.0
	Piped water to yard/plot					Piped water to yard/plot			
	Public tap, standpipe					Public tap, standpipe			
Acueducto rural o Municipal	Other	28.3	44.5	34.7	Acueducto rural o Municipal	Other	28.3	42.4	33.9
	Ground water	0.4	10.2	4.3		Ground water	0.4	9.3	3.9
	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			
Pozo	All wells	0.4	10.2	4.3	Pozo	All wells	0.4	9.3	3.9
	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	0.3	0.7	0.4		Rainwater	0.7	0.4	0.2
Lluvia u otro	Covered cistern/tank	0.3	0.7	0.4	Lluvia u otro	Covered cistern/tank	0.1	0.4	0.2
	Uncovered cistern/tank					Uncovered cistern/tank			
	Bottled water					Bottled water			
	with other improved					with other improved			
	without other improved					without other improved			
	Surface water	0.4	8.3	3.5		Surface water	0.3	6.6	2.8
Rio, quebrada o naciente	River	0.4	8.3	3.5	Rio, quebrada o naciente	River	0.3	6.6	2.8
	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			
	Cart with small tank/drum					Cart with small tank/drum			
	Tanker truck provided					Tanker truck provided			
	Other					Other			
	Other					Other			
Ignorado	DK/missing	0.1	0.0	0.1	Ignorado	DK/missing	0.0	0.1	0.1
	Total	100.0	100.0	99.9		Total	99.9	99.9	99.9
Calculations					Calculations				
Estimations	50% of wells considered improved	0.2	5.1		Estimations	50% of wells considered improved	0.2	4.7	
	House connections of acueducto rural o Municipal based on CEN00	28.2	44.0	34.3		House connections of acueducto rural o Municipal based on CEN00	28.2	42.0	33.5
Access to improved drinking water sources :		99%	87%	92%	Access to improved drinking water sources :		99%	89%	93%
Access to house connections :		99%	80%	91%	Access to house connections :		99%	83%	93%
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	71%	45%		Ratios	HC / Tap water	71%	49%	
	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:				
Comments					Comments				

Access to drinking water sources				Costa Rica			Access to drinking water sources				Costa Rica		
Encuesta Nacional de Hogares							Encuesta Nacional de Hogares						
INE							INE						
2006							2007						
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total				
	Tap water	93.1	82.8	89.0		Tap water	94.5	85.9	91.1				
	House connections	68.3	35.7	55.3		House connections	68.8	38.6	56.8				
Acueducto del A y A	Piped water into dwelling	68.3	35.7	55.3	Acueducto del A y A	Piped water into dwelling	68.8	38.6	56.8				
	Piped water to yard/plot					Piped water to yard/plot							
	Public tap, standpipe					Public tap, standpipe							
Acueducto rural o Municipal	Other	24.8	47.1	33.7	Acueducto rural o Municipal	Other	25.7	47.3	34.3				
	Ground water	0.3	7.2	3.1		Ground water	0.1	6.6	2.7				
	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							
Pozo	All wells	0.3	7.2	3.1	Pozo	All wells	0.1	6.6	2.7				
	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	0.0	0.5	0.2		Rainwater	0.1	0.2	0.2				
Lluvia u otro	Covered cistern/tank	0.0	0.5	0.2	Lluvia u otro	Covered cistern/tank	0.1	0.2	0.2				
	Uncovered cistern/tank					Uncovered cistern/tank							
	Bottled water					Bottled water							
	with other improved					with other improved							
	without other improved					without other improved							
	Surface water	0.1	5.6	2.3		Surface water	0.1	4.6	1.9				
Rio, quebrada o naciente	River	0.1	5.5	2.3	Rio, quebrada o naciente	River	0.1	4.6	1.9				
	Lake					Lake							
	Dam					Dam							
	Pond					Pond							
	Stream					Stream							
	Irrigation channel					Irrigation channel							
	Other					Other							
	Other improved sources	6.4	4.0	5.4		Other improved sources	5.1	2.8	4.2				
Empresa o cooperativa	Other	6.4	4.0	5.4	Empresa o cooperativa	Other	5.1	2.8	4.2				
	Other					Other							
	Other non-improved					Other non-improved							
	Cart with small tank/drum					Cart with small tank/drum							
	Tanker truck provided					Tanker truck provided							
	Other					Other							
	Other					Other							
Ignorado	DK/missing	0.0	0.0	0.0	Ignorado	DK/missing	0.0	0.0	0.0				
	Total	99.9	100.0	100.0		Total	99.9	100.1	100.1				
Calculations	Empresa o cooperativa considered HCC based on CEN00	6.4	4.0	5.4	Calculations	Empresa o cooperativa considered HCC based on CEN00	5.1	2.8	4.2				
Estimations	50% of wells considered improved	0.2	3.6		Estimations	50% of wells considered improved	0.1	3.3					
	Empresa o cooperativa considered HCC based on CEN00					Empresa o cooperativa considered HCC based on CEN00							
	House connections of acueducto rural o Municipal based on CEN00	24.7	46.6	33.3		House connections of acueducto rural o Municipal based on CEN00	25.6	46.8	33.9				
Access to improved drinking water sources :				100%	91%	95%	Access to improved drinking water sources :				100%	92%	96%
Access to house connections :				99%	86%	94%	Access to house connections :				100%	88%	95%
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	73%	43%		Ratios	HC / Tap water	73%	45%					
	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:							
Comments					Comments								

Costa Rica			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
National Census	CEN84	1984	87.2		99.2		63.8		86.0	
National Census	CEN00	2000	98.9		99.4		91.3		95.0	
Encuesta Nacional de Hogares		2000	98.1		98.8		77.7		84.1	
Encuesta Nacional de Hogares		2001	98.7		99.3		80.3		86.6	
Encuesta Nacional de Hogares		2002	98.7		99.3		80.3		86.6	
Encuesta Nacional de Hogares		2003	99.0		99.4		83.1		88.6	
Encuesta Nacional de Hogares		2004	99.4		99.7		85.0		90.2	
Encuesta Nacional de Hogares		2005	99.3		99.6		85.1		90.2	
Encuesta Nacional de Hogares		2006	99.4		99.7		86.3		90.9	
Encuesta Nacional de Hogares		2007	99.5		99.8		88.2		92.2	
Encuesta Nacional de Hogares		2008	99.3		99.7		87.3		91.6	

Costa Rica - urban - Use of improved drinking water sources



Costa Rica - rural - Use of improved drinking water sources

