

**WHO / UNICEF**

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

Estimates for the use of

**Improved Drinking-Water Sources  
and Improved Sanitation Facilities**

Updated March 2010

[childinfo.org](http://childinfo.org)



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
	<b>Tap water</b>	98.2	78.2	90.2		<b>Tap water</b>	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
	<b>Ground water</b>	0.6	10.9	4.8		<b>Ground water</b>	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	<b>All wells</b>	0.6	10.9	4.8	Pozo	<b>All wells</b>	0.4	10.2	4.3
	Private					Private			
	Public					Public			
	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>					<b>All springs</b>			
	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>	0.3	0.4	0.4		<b>Rainwater</b>	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			
	<b>Bottled water</b>					<b>Bottled water</b>			
	with other improved					with other improved			
	without other improved					without other improved			
	<b>Surface water</b>	0.5	10.0	4.4		<b>Surface water</b>	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			
	<b>Other improved sources</b>					<b>Other improved sources</b>			
	Other					Other			
	Other					Other			
	<b>Other non-improved</b>					<b>Other non-improved</b>			
	Cart with small tank/drum					Cart with small tank/drum			
	Tanker truck provided					Tanker truck provided			
	Other					Other			
	Other					Other			
Ignorado	<b>DK/missing</b>	0.3	0.5	0.4	Ignorado	<b>DK/missing</b>	0.1	0.0	0.1
	<b>Total</b>	99.9	100.0	100.2		<b>Total</b>	100.0	100.0	99.9
<b>Calculations</b>					<b>Calculations</b>				
<b>Estimations</b>	50% of wells considered improved	0.3	5.5		<b>Estimations</b>	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
<b>Access to improved drinking water sources :</b>		<b>99%</b>	<b>84%</b>	<b>91%</b>	<b>Access to improved drinking water sources :</b>		<b>99%</b>	<b>87%</b>	<b>92%</b>
<b>Access to house connections :</b>		<b>98%</b>	<b>78%</b>	<b>90%</b>	<b>Access to house connections :</b>		<b>99%</b>	<b>80%</b>	<b>91%</b>
Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes	
Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes	
<b>Ratios</b>	HC / Tap water	74%	43%		<b>Ratios</b>	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:			
<b>Comments</b>					<b>Comments</b>				

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
	<b>Tap water</b>	98.8	80.8	91.6		<b>Tap water</b>	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
	<b>Ground water</b>	0.4	10.2	4.3		<b>Ground water</b>	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	<b>All wells</b>	0.4	10.2	4.3	Pozo	<b>All wells</b>	0.4	9.3	3.9
	Private					Private			
	Public					Public			
	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>					<b>All springs</b>			
	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>	0.3	0.7	0.4		<b>Rainwater</b>	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			
	<b>Bottled water</b>					<b>Bottled water</b>			
	with other improved					with other improved			
	without other improved					without other improved			
	<b>Surface water</b>	0.4	8.3	3.5		<b>Surface water</b>	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			
	<b>Other improved sources</b>					<b>Other improved sources</b>			
	Other					Other			
	Other					Other			
	<b>Other non-improved</b>					<b>Other non-improved</b>			
	Cart with small tank/drum					Cart with small tank/drum			
	Tanker truck provided					Tanker truck provided			
	Other					Other			
	Other					Other			
Ignorado	<b>DK/missing</b>	0.1	0.0	0.1	Ignorado	<b>DK/missing</b>	0.0	0.1	0.1
	<b>Total</b>	100.0	100.0	99.9		<b>Total</b>	99.9	99.9	99.9
<b>Calculations</b>					<b>Calculations</b>				
<b>Estimations</b>	50% of wells considered improved	0.2	5.1		<b>Estimations</b>	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
<b>Access to improved drinking water sources :</b>		<b>99%</b>	<b>87%</b>	<b>92%</b>	<b>Access to improved drinking water sources :</b>		<b>99%</b>	<b>89%</b>	<b>93%</b>
<b>Access to house connections :</b>		<b>99%</b>	<b>80%</b>	<b>91%</b>	<b>Access to house connections :</b>		<b>99%</b>	<b>83%</b>	<b>93%</b>
Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes	
Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes	
<b>Ratios</b>	HC / Tap water	71%	45%		<b>Ratios</b>	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:				
<b>Comments</b>					<b>Comments</b>				

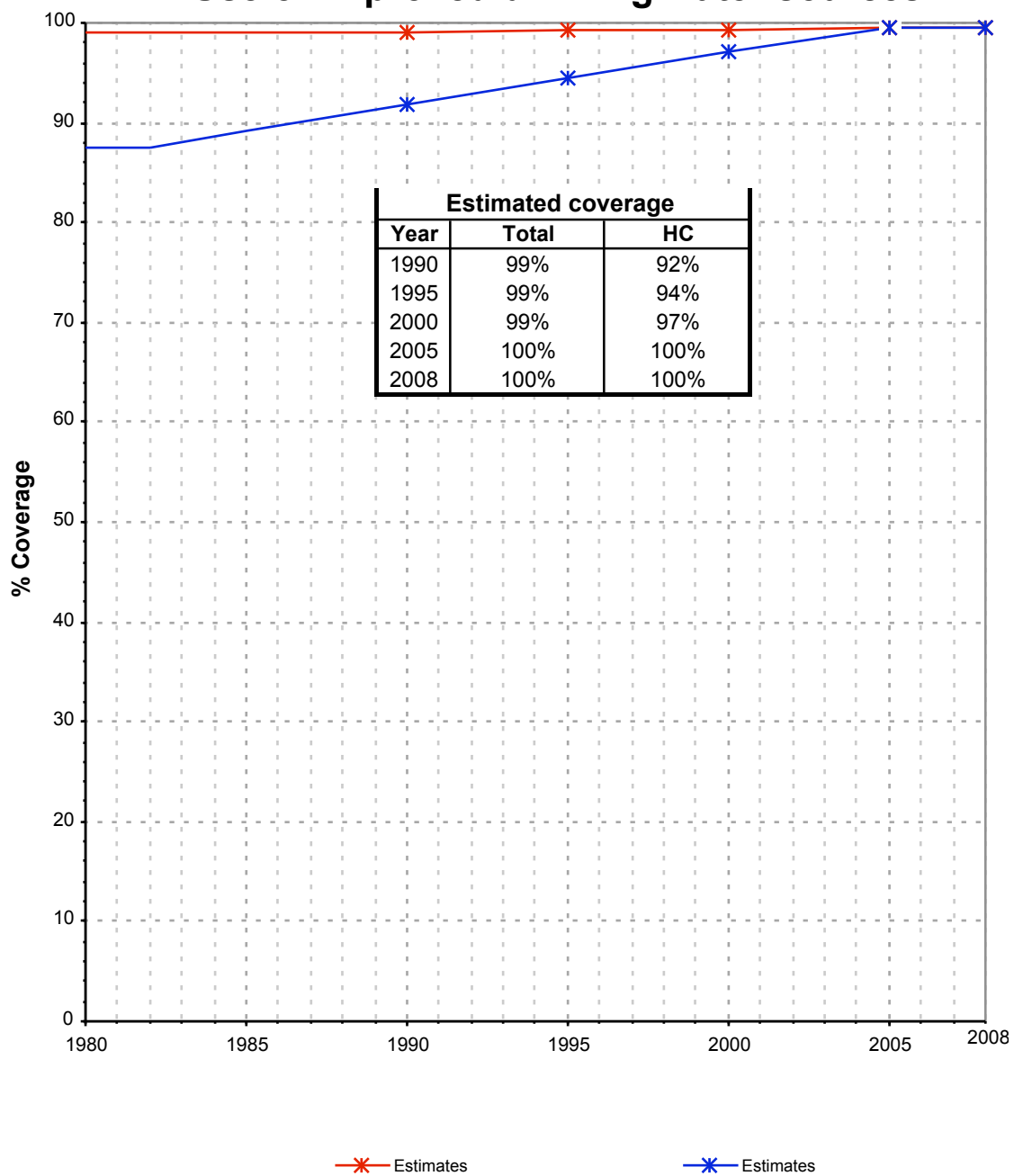


Access to drinking water sources				Costa Rica			Access to drinking water sources				Costa Rica		
Encuesta Nacional de Hogares						Encuesta Nacional de Hogares							
INE						INE							
2006						2007							
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total				
	<b>Tap water</b>	93.1	82.8	89.0		<b>Tap water</b>	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				
	<b>Ground water</b>	0.3	7.2	3.1		<b>Ground water</b>	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	<b>All wells</b>	0.3	7.2	3.1	Pozo	<b>All wells</b>	0.1	6.6	2.7				
	Private					Private							
	Public					Public							
	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>					<b>All springs</b>							
	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>	0.0	0.5	0.2		<b>Rainwater</b>	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							
	<b>Bottled water</b>					<b>Bottled water</b>							
	with other improved					with other improved							
	without other improved					without other improved							
	<b>Surface water</b>	0.1	5.5	2.3		<b>Surface water</b>	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							
	<b>Other improved sources</b>	6.4	4.0	5.4		<b>Other improved sources</b>	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							
	<b>Other non-improved</b>					<b>Other non-improved</b>							
	Cart with small tank/drum					Cart with small tank/drum							
	Tanker truck provided					Tanker truck provided							
	Other					Other							
	Other					Other							
Ignorado	<b>DK/missing</b>	0.0	0.0	0.0	Ignorado	<b>DK/missing</b>	0.0	0.0	0.0				
	<b>Total</b>	99.9	100.0	100.0		<b>Total</b>	99.9	100.1	100.1				
	Empresa o cooperativa considered HCC based on CEN00	6.4	4.0	5.4		Empresa o cooperativa considered HCC based on CEN00	5.1	2.8	4.2				
<b>Calculations</b>					<b>Calculations</b>								
	50% of wells considered improved	0.2	3.6			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				
	<b>Access to improved drinking water sources :</b>	<b>100%</b>	<b>91%</b>	<b>95%</b>		<b>Access to improved drinking water sources :</b>	<b>100%</b>	<b>92%</b>	<b>96%</b>				
	<b>Access to house connections :</b>	<b>99%</b>	<b>86%</b>	<b>94%</b>		<b>Access to house connections :</b>	<b>100%</b>	<b>88%</b>	<b>95%</b>				
	Used for the estimates	Yes	Yes			Used for the estimates	Yes	Yes					
	Used for the estimates	Yes	Yes			Used for the estimates	Yes	Yes					
	HC / Tap water	73%	43%			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:							
<b>Comments</b>					<b>Comments</b>								

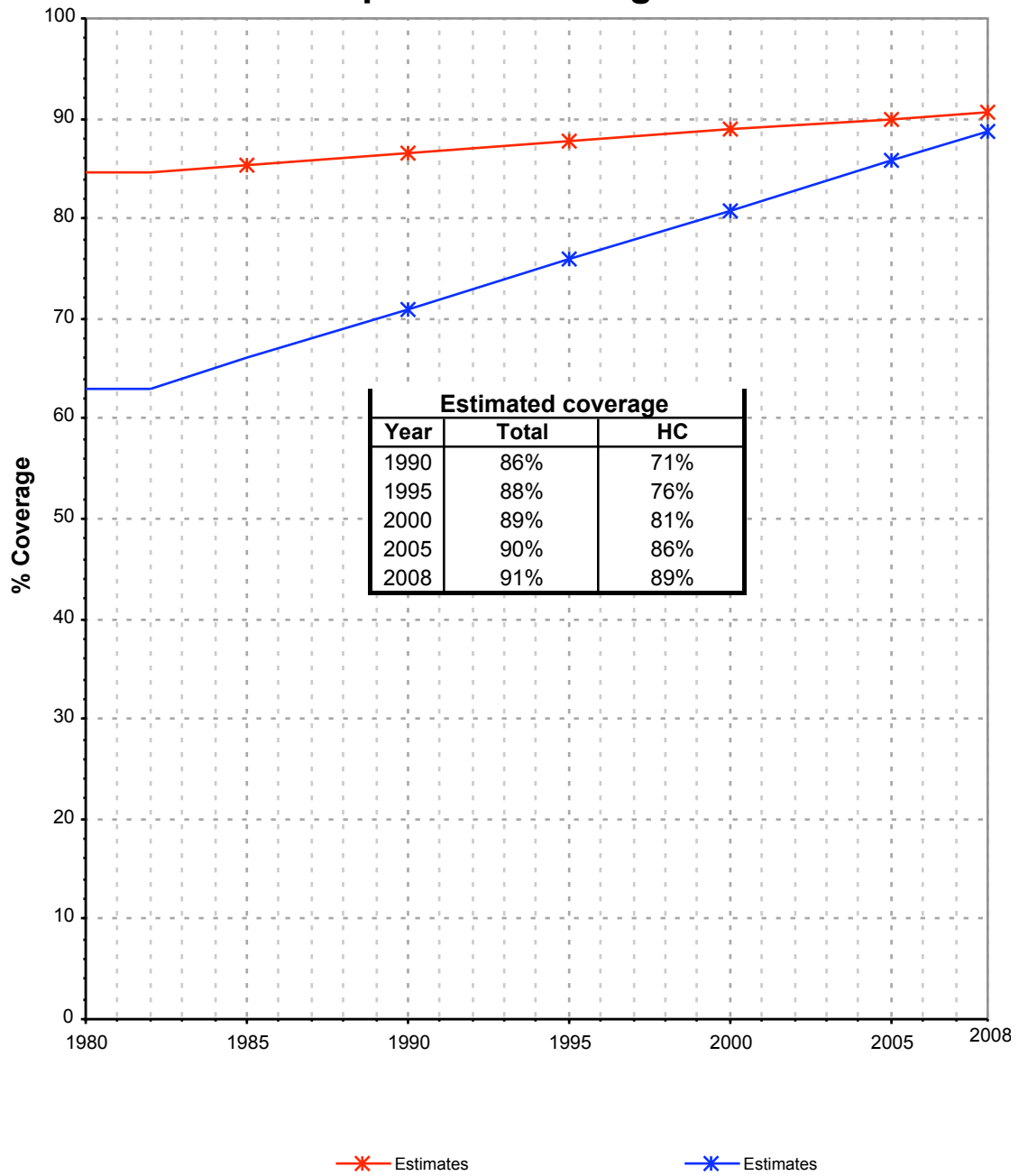
Access to drinking water sources		Costa Rica		
Encuesta Nacional de Hogares		2008		
INE		2008		
Original denomination	Classification	Urban	Rural	Total
	<b>Tap water</b>	93.8	85.0	90.2
	House connections	68.6	37.8	56.2
Acueducto del A y A	Piped water into dwelling	68.6	37.8	56.2
	Piped water to yard/plot			
	Public tap, standpipe			
Acueducto rural o Municipal	Other	25.2	47.2	34.0
	<b>Ground water</b>	0.1	6.6	2.7
	Protected ground water			
	Unprotected ground water			
	Protected wells or springs			
	Private			
	Public			
	Other			
	Unprotected wells or springs			
	Private			
	Public			
	Other			
Pozo	<b>All wells</b>	0.1	6.6	2.7
	Private			
	Public			
	Other			
	Tubewell, borehole			
	Private			
	Public			
	Other			
	<b>Traditional wells</b>			
	Private			
	Public			
	Other			
	Protected well			
	Private			
	Public			
	Other			
	Unprotected well			
	Private			
	Public			
	Other			
	<b>All springs</b>			
	Private			
	Public			
	Other			
	Protected spring			
	Private			
	Public			
	Other			
	Unprotected spring			
	Private			
	Public			
	Other			
	<b>Rainwater</b>	0.2	0.5	0.3
Lluvia u otro	Covered cistern/tank	0.2	0.5	0.3
	Uncovered cistern/tank			
	<b>Bottled water</b>			
	with other improved			
	without other improved			
	<b>Surface water</b>	0.3	5.1	2.2
Rio, quebrada o naciente	River	0.3	5.1	2.2
	Lake			
	Dam			
	Pond			
	Stream			
	Irrigation channel			
	Other			
	<b>Other improved sources</b>	5.6	2.8	4.5
Empresa o cooperativa	Other	5.6	2.8	4.5
	Other			
	<b>Other non-improved</b>			
	Cart with small tank/drum			
	Tanker truck provided			
	Other			
	Other			
Ignorado	<b>DK/missing</b>	0.0	0.2	0.1
	<b>Total</b>	100.0	100.2	100.0
<b>Calculations</b>	Empresa o cooperativa considered HCC based on CEN00	5.6	2.8	4.5
<b>Estimations</b>	50% of wells considered improved	0.1	3.3	
	Empresa o cooperativa considered HCC based on CEN00			
	House connections of acueducto rural o Municipal based on CEN00	25.1	46.7	33.6
<b>Access to improved drinking water sources :</b>		<b>100%</b>	<b>92%</b>	<b>95%</b>
<b>Access to house connections :</b>		<b>99%</b>	<b>87%</b>	<b>94%</b>
Used for the estimates		Yes	Yes	
Used for the estimates		Yes	Yes	
<b>Ratios</b>	HC / Tap water	73%	44%	
	Public tap / Tap water			
	Tubewell + protected well / All wells			
	Protected wells / Traditional wells			
	Tubewell / All wells			
	Protected springs / All springs			
	Protect. well & spring / well & spring			
Number of people covered by the survey:				
Number of households covered by the survey:				
Total population:				
<b>Comments</b>				

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



# Drinking Water

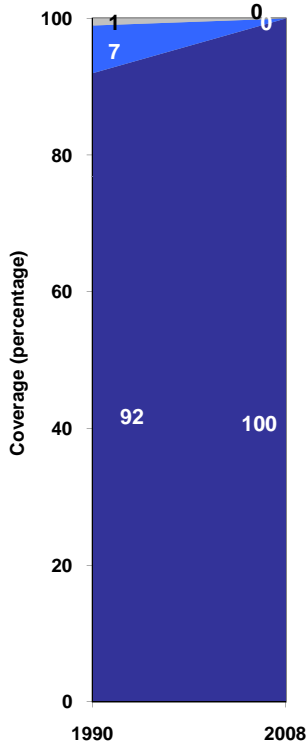
Costa Rica	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	92	100	71	89	82	96
Other improved source	7	0	15	2	11	1
Unimproved source	1	0	14	9	7	3

Source: WHO/UNICEF JMP, 2010

Costa Rica	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	1,560	2,860	1,518	1,659	3,078	4,519

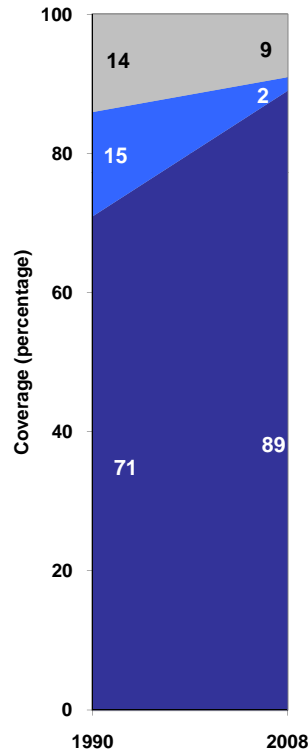
Source: UN / Population Division, 2008

Urban drinking water trends



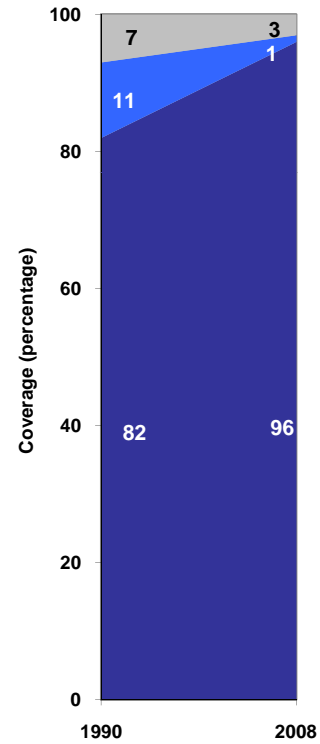
- Unimproved sources
- Other improved sources
- Piped onto premises

Rural drinking water trends



- Unimproved sources
- Other improved sources
- Piped onto premises

Total drinking water trends



- Unimproved sources
- Other improved sources
- Piped onto premises