



WHO / UNICEF

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

Estimates for the use of

**Improved
Drinking-Water Sources**

Updated March 2010

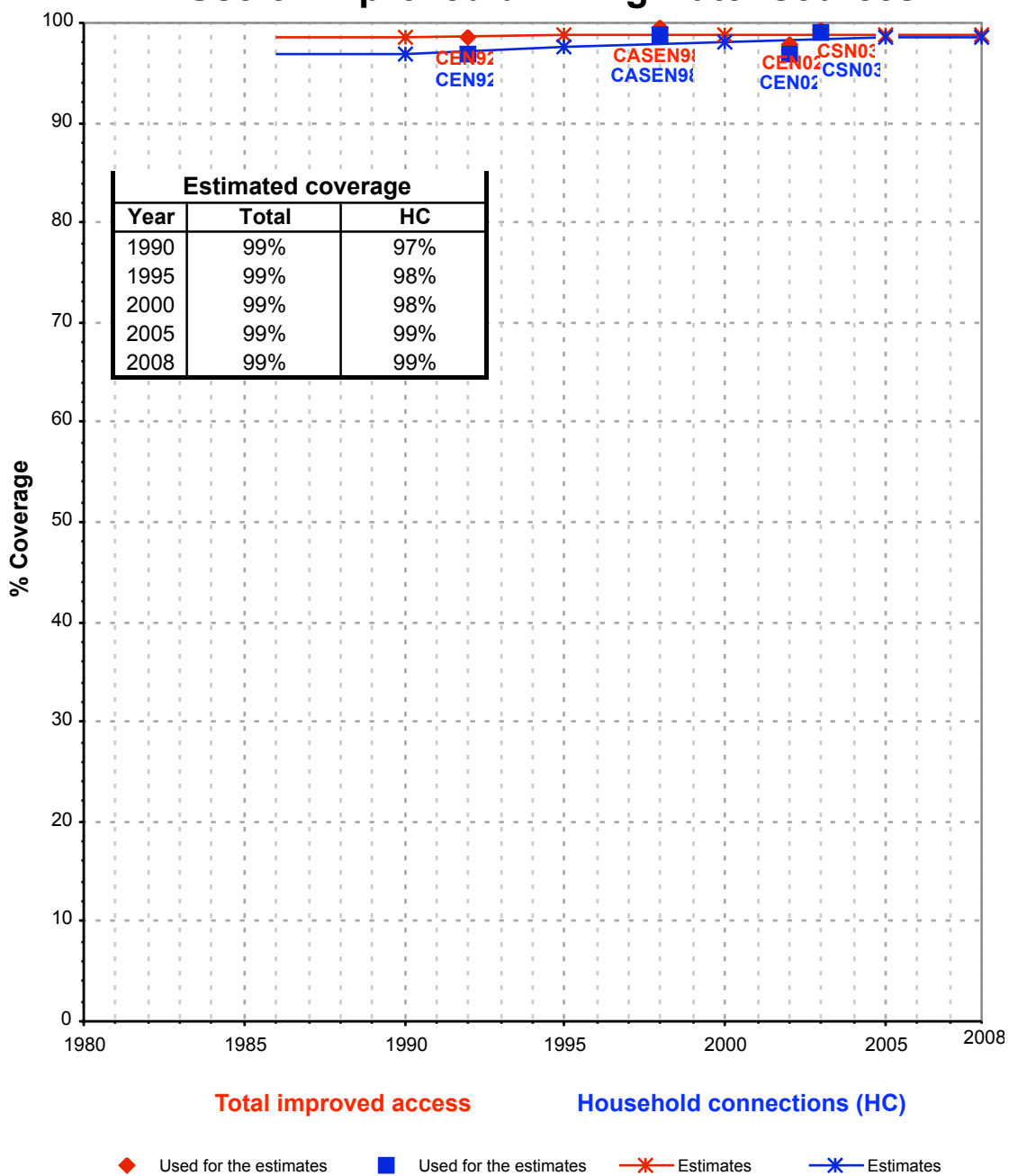
Chile

Access to drinking water sources		CASEN98		Chile		Access to drinking water sources		JMP99		Chile	
Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe				Global Water Supply and Sanitation Assessment 2000.							
PAHO, Feb 2001, table prepared by PAHO, using CASEN98				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	99.2	37.2			Tap water	95.2	45.3			
	House connections	99.8	35.4		Population served with household connection	House connections	95.2	45.3			
Red publica con llave dentro de la vivienda	Piped water into dwelling	95.2	23.3			Piped water into dwelling					
Red publica con llave de la vivienda, pero dentro	Piped water to yard/plot	3.6	12.1			Piped water to yard/plot					
Red publica sin sistema de distribucion	Public tap, standpipe	0.4	1.8			Public tap, standpipe					
	Other					Other					
	Ground water	0.4	37.5			Ground water	3.9	20.4			
	Protected ground water				Population without household connection but with reasonable access to a public	Protected ground water	3.9	20.4			
	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 o noria (chain pump)	All wells	0.4	37.5			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, vertiente o estero	Surface water	0.0	21.0			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	0.3	4.4		Total population unserved	Other non-improved	0.9	34.3			
	Cart with small tank/drum					Cart with small tank/drum					
	Tanker truck provided					Tanker truck provided					
Otro	Other	0.3	4.4			Other					
	Other					Other					
	DK/missing					DK/missing					
	Total	99.9	100.1			Total	100.0	100.0			
Calculations					Calculations						
Estimations	50% of wells considered improved	0.2	18.8		Estimations						
Access to improved drinking water sources :		99%	56%		Access to improved drinking water sources :		99%	66%			
Access to house connections :		99%	35%		Access to house connections :		95%	45%			
Used for the estimates:				Yes	Yes	Used for the estimates:					
Used for the estimates:				Yes	Yes	Used for the estimates:					
Used for the estimates:				Yes	Yes	Used for the estimates:					
Used for the estimates:				Yes	Yes	Used for the estimates:					
Ratios	HC / Tap water	100%	95%		Ratios	HC / Tap water	100%	100%			
	Public tap / Tap water	0%	5%			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:						
					12723 2197						
Comments					Comments						

Access to drinking water sources		CEN02		Chile		Access to drinking water sources		CSN03		Chile					
National Census				2002				Caracterización Socioeconómica Nacional				2003			
10% micro dataset from IPUMS															
Original denomination		Classification		Urban	Rural	Total	Original denomination		Classification		Urban	Rural	Total		
Tap water		Tap water		97.0	42.7		Tap water		Tap water		99.1	43.4			
House connections		House connections		97.0	42.7		House connections		House connections		99.1	43.4			
Public system, piped inside	Piped water into dwelling	94.9	29.1				red pública dentro la vivienda	Piped water into dwelling	97.1	35.3					
Public system, piped outside	Piped water to yard/plot	2.1	13.6				red pública dentro del sito pero fuera de la vivienda	Piped water to yard/plot	2.0	8.1					
	Public tap, standpipe							Public tap, standpipe							
	Other							Other							
Ground water		Ground water		0.9	36.5		Pozo o noria		Ground water		0.3	36.1			
Protected ground water		Protected ground water		0.7	21.9		Protected ground water		Protected ground water						
Unprotected ground water		Unprotected ground water					Unprotected ground water		Unprotected ground water						
Protected wells or springs		Protected wells or springs		0.7	21.9		Protected wells or springs		Protected wells or springs						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Unprotected wells or springs		Unprotected wells or springs		0.0	0.0		Unprotected wells or springs		Unprotected wells or springs						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
All wells		All wells		0.2	14.6		All wells		All wells						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Tubewell, borehole		Tubewell, borehole					Tubewell, borehole		Tubewell, borehole						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Traditional wells		Traditional wells		0.2	14.6		Traditional wells		Traditional wells						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Protected well		Protected well					Protected well		Protected well						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Unprotected well		Unprotected well					Unprotected well		Unprotected well						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
All springs		All springs					All springs		All springs						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Protected spring		Protected spring					Protected spring		Protected spring						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Unprotected spring		Unprotected spring					Unprotected spring		Unprotected spring						
Private		Private					Private		Private						
Public		Public					Public		Public						
Other		Other					Other		Other						
Rainwater		Rainwater					Rainwater		Rainwater						
Covered cistern/tank		Covered cistern/tank					Covered cistern/tank		Covered cistern/tank						
Uncovered cistern/tank		Uncovered cistern/tank					Uncovered cistern/tank		Uncovered cistern/tank						
Bottled water		Bottled water					Bottled water		Bottled water						
with other improved		with other improved					with other improved		with other improved						
without other improved		without other improved					without other improved		without other improved						
River, spring, stream	Surface water	0.1	17.5				rio, vertiente o estero	Surface water	0.1	16.5					
	River							River							
	Lake							Lake							
	Dam							Dam							
	Pond							Pond							
	Stream							Stream							
	Irrigation channel							Irrigation channel							
	Other							Other							
Other improved sources		Other improved sources					Other improved sources		Other improved sources						
Other		Other					Other		Other						
Other		Other					Other		Other						
Other non-improved		Other non-improved					Other non-improved		Other non-improved		0.4	3.8			
Cart with small tank/drum		Cart with small tank/drum					Cart with small tank/drum		Cart with small tank/drum						
Tanker truck provided		Tanker truck provided					Tanker truck provided		Tanker truck provided						
Other		Other					otra fuente		Other		0.4	3.8			
Other		Other					Other		Other						
Other/missing	DK/missing	1.9	3.2					DK/missing							
	Total	99.9	100.0					Total	99.9	99.8					
Calculations		Calculations					Calculations		Calculations						
50% of traditional wells considered improved		0.1	7.3					Piped wells, based on CEN02	0.2	21.7					
50% of remaining wells considered improved								50% of remaining wells considered improved	0.0	7.2					
Access to improved drinking water sources :		98%	72%				Access to improved drinking water sources :		99%	72%					
Access to house connections :		97%	43%				Access to house connections :		99%	43%					
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					Ratios		Ratios						
HC / Tap water		100%	100%				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		100%	100%				Protect. well & spring / well & spring								
Piped wells among wells		76%	60%				Piped wells among wells								
Number of people covered by the census:							Number of people covered by the survey:								
Number of households covered by the census:							Number of households covered by the survey:								
Total population:							Total population:								
Comments		Comments					Comments		Comments						

Chile			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
Evaluacion global de los servicios de agua potable y saneamiento	EGS91	1991								
National Census	CEN92	1992	96.9		98.5		25.2		54.4	
Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe	CASEN98	1998	98.8		99.4		35.4		56.0	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1998		95.2		99.1		45.3		65.7
National Census	CEN02	2002	97.0		97.8		42.7		71.9	
Caracterizacion Socioeconomica Nacional	CSN03	2003	99.1		99.4		43.4		72.3	

Chile - urban - Use of improved drinking water sources



Chile - rural - Use of improved drinking water sources

