

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

Access to drinking water sources		ESN86			Peru			Access to drinking water sources		DHS86			Peru		
Encuesta sobre niveles de vida y sector informal					Demographic and Health Survey										
Primeros Resultados					1986					1986					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Tap water	85.8	27.9	56.3		Tap water	86.6	13.7							
Servicio publico dentro del domicilio	House connections	70.2	14.7	44.5	Household connection	House connections	72.7	8.6							
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
Pilon	Public tap, standpipe	5.6	5.2	5.4	Public standpipe	Public tap, standpipe	12.0	5.0							
Servicio publico fuera del domicilio	Other	10.1	1.9	6.3	Household connection (neighbour's)	Other	1.9	0.1							
	Ground water	4.1	16.5	9.8		Ground water	5.6	47.6							
	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	4.1	16.5	9.8	Well	All wells	5.3	23.3							
	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				Spring	All springs	0.3	24.2							
	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/ manantial	Surface water	0.3	58.5	27.2	River, irrigation channel	Surface water	0.4	32.2							
	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	9.8	3.0	6.7		Other non-improved	7.3	6.4							
	Cart with small tank/drum					Cart with small tank/drum									
Camion	Tanker truck provided	4.8	1.5	3.3	Tanker truck	Tanker truck provided	6.8	3.3							
Otro	Other	5.0	1.5	3.4	other	Other	0.6	3.2							
	Other					Other									
	DK/missing				missing information	DK/missing	0.1	0.0							
	Total	100.0	100.0	100.0		Total	100.0	99.9							
Calculations	50% of proportion springs (based on DHS96) considered improved	0.1	30.9		Calculations										
Estimations	50% of wells considered improved	2.0	8.2		Estimations	50% of wells considered improved	2.6	11.7							
	50% of springs considered improved	0.1	15.5			50% of springs considered improved	0.1	12.1							
Access to improved drinking water sources :		88%	46%		Access to improved drinking water sources :		89%	38%							
Access to house connections :		70%	15%		Access to house connections :		73%	9%							
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	82%	67%		Ratios	HC / Tap water	84%	63%							
	Public tap / Tap water	6%	24%			Public tap / Tap water	14%	36%							
	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		DHS92		Peru		Access to drinking water sources		CEN93		Peru	
Demographic and Health Survey				1992		National Census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999				1993	
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
	Tap water	88.5	28.7			Tap water	80.8	14.5			
Household connection	House connections	75.2	18.0		Household Connection	House connections	75.8	5.7			
	Piped water into dwelling					Piped water into dwelling					
	Piped water to yard/plot					Piped water to yard/plot					
Public standpipe	Public tap, standpipe	8.2	6.7		Public Standpipe	Public tap, standpipe	0.0	8.5			
Connection outdoors	Other	5.1	4.0		Shared connection outside home	Other	5.0	0.3			
	Ground water	6.7	36.6			Ground water	6.3	21.7			
	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					
	All wells	5.8	14.6		Well	All wells	6.3	21.7			
Private well	Private	3.9	5.6			Private					
Public well	Public	1.9	9.0			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					
Spring	All springs	0.9	22.0			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	0.0			Rainwater					
Rainwater	Covered cistern/tank	0.0	0.0			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					
River, irrigation channel	Surface water	0.8	25.8		River/Spring, etc	Surface water	3.3	59.3			
	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	3.8	8.5			Other non-improved	9.4	4.5			
	Cart with small tank/drum					Cart with small tank/drum					
Tanker truck	Tanker truck provided	1.0	1.4		Tanker or Other	Tanker truck provided	7.0	1.7			
Other	Other	2.8	7.1		Other	Other	2.4	2.7			
	Other					Other					
	DK/missing				Not Specified	DK/missing	0.2	0.0			
	Total	99.8	99.6			Total	100.0	100.0			
Calculations						proportion springs (based on DHS96)	1.3	31.3			
Estimations	50% of wells considered improved	2.9	7.3			50% of wells considered improved	3.1	10.9			
	50% of springs considered improved	0.5	11.0			50% of springs considered improved	0.7	15.6			
Access to improved drinking water sources :		92%	47%		Access to improved drinking water sources :		85%	41%			
Access to house connections :		75%	18%		Access to house connections :		76%	6%			
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	85%	63%			HC / Tap water	94%	40%			
	Public tap / Tap water	9%	23%			Public tap / Tap water	0%	59%			
	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 census:						
Number of households covered by the survey:					Number of households covered by the census:						
Total population:					Total population:						
					12791 7463						
Comments					Comments						

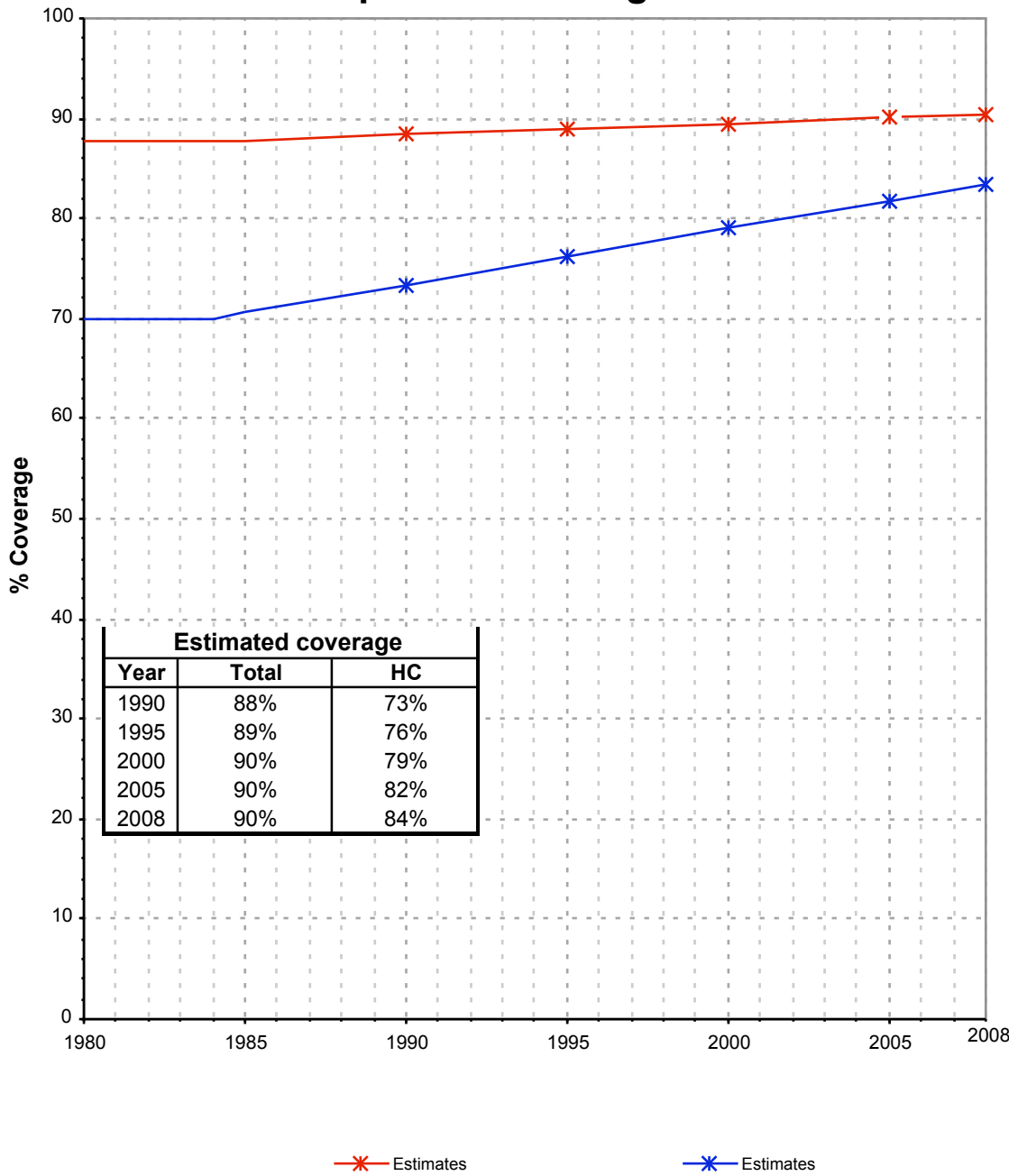
Access to drinking water sources		LSMS94		Peru		Access to drinking water sources		DHS96		Peru				
Living Standards Measurement Survey				Demographic and Health Survey										
				1994				1996						
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total
	Tap water	84.2	24.5			Tap water	83.9	33.7			Tap water	83.9	33.7	
	House connections	84.2	24.5			House connections	75.3	27.4			House connections	75.3	27.4	
INSIDE THE HOUSE	Piped water into dwelling	80.7	23.1		Household connection to system	Piped water into dwelling	71.7	25.5			Piped water into dwelling	71.7	25.5	
OUTSIDE THE HOUSE, BUT INSIDE THE COMPOUND	Piped water to yard/plot	3.5	1.4		Building connection to system	Piped water to yard/plot	3.6	1.9			Piped water to yard/plot	3.6	1.9	
	Public tap, standpipe				Public standpipe	Public tap, standpipe	8.6	5.7			Public tap, standpipe	8.6	5.7	
	Other					Other					Other			
	Ground water	8.9	26.5			Ground water	4.8	37.2			Ground water	4.8	37.2	
	Protected ground water	4.7	4.8			Protected ground water					Protected ground water			
	Unprotected ground water					Unprotected ground water					Unprotected ground water			
	Protected wells or springs	4.7	4.8	0.0		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			
	All wells	8.9	26.5			All wells	4.4	12.6			All wells	4.4	12.6	
	Private				Well in house or yard	Private	2.7	5.5			Private	2.7	5.5	
	Public				Public well	Public	1.7	7.1			Public	1.7	7.1	
	Other					Other					Other			
PUMP	Tubewell, borehole	4.7	4.8			Tubewell, borehole					Tubewell, borehole			
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Traditional wells	4.2	21.7			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				Spring	All springs	0.4	24.6			All springs	0.4	24.6	
	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	0.0	0.2			Rainwater	0.0	0.2	
	Covered cistern/tank				Rainwater	Covered cistern/tank	0.0	0.2			Covered cistern/tank	0.0	0.2	
	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			
	Surface water	1.2	47.2		River/irrigation channel	Surface water	0.6	22.0			Surface water	0.6	22.0	
RIVER OR STREAM	River	1.2	47.2			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	5.6	1.7			Other non-improved	10.6	7.3			Other non-improved	10.6	7.3	
	Cart with small tank/drum					Cart with small tank/drum					Cart with small tank/drum			
WATER TANK OR SELLER	Tanker truck provided	2.9	0.6		Tanker truck	Tanker truck provided	6.8	0.1			Tanker truck provided	6.8	0.1	
OTHER	Other	2.7	1.1		Other	Other	3.8	7.2			Other	3.8	7.2	
	Other					Other					Other			
	DK/missing					DK/missing					DK/missing			
	Total	99.9	99.9			Total	99.9	99.8			Total	99.9	99.8	
Calculations	proportion springs (based on DHS96)	0.5	24.9			Calculations					Calculations			
Estimations	50% of traditional wells considered improved	2.1	10.9			Estimations					Estimations			
	50% of springs considered improved	0.2	12.5				50% of wells considered improved	2.2	6.3			50% of wells considered improved	2.2	6.3
							50% of springs considered improved	0.2	12.3			50% of springs considered improved	0.2	12.3
	Standpipe, based on DHS96	-8.6	-4.2				Deduction of neighbour's water, based on CEN97	-3.2	-3.5			Deduction of neighbour's water, based on CEN97	-3.2	-3.5
	Access to improved drinking water sources :	91%	53%			Access to improved drinking water sources :	86%	52%			Access to improved drinking water sources :	86%	52%	
	Access to house connections :	76%	20%			Access to house connections :	72%	24%			Access to house connections :	72%	24%	
	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	90%	83%			HC / Tap water	90%	83%
	Public tap / Tap water						Public tap / Tap water	10%	17%			Public tap / Tap water	10%	17%
	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	53%	18%				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		
							Proportion spring of spring, river/irrigation channel	40%	53%			Proportion spring of spring, river/irrigation channel	40%	53%
	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			

Access to drinking water sources		DHS00		Peru		Access to drinking water sources		DHS04		Peru					
Demographic and Health Survey				2000				Demographic and Health Survey				2004			
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	
	Tap water	87.6	45.6			Tap water	92.4	40.7			Tap water	90.1	37.7		
	House connections	82.3	37.3			House connections	84.8	36.6			House connections	84.8	36.6		
Red publica dentro de la vivienda	Piped water into dwelling	77.7	35.0		Red publica dentro de la vivienda	Piped water into dwelling	77.7	35.0		Red publica dentro de la vivienda	Piped water into dwelling	77.7	35.0		
Red publica fuera de la vivienda	Piped water to yard/plot	4.6	2.3		Red publica fuera de la vivienda	Piped water to yard/plot	4.6	2.3		Red publica fuera de la vivienda	Piped water to yard/plot	4.6	2.3		
Pilon /grifo publico/	Public tap, standpipe	5.3	8.3		Pilon /grifo publico/	Public tap, standpipe	5.3	8.3		Pilon /grifo publico/	Public tap, standpipe	5.3	8.3		
	Other					Other					Other				
	Ground water	5.2	35.8			Ground water	2.0	31.5			Ground water	2.0	31.5		
	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				
	All wells	4.3	12.0			All wells	1.5	9.0			All wells	1.5	9.0		
Pozo en la casa /pato	Private	2.2	5.0		Pozo en la casa /pato	Private	1.2	2.2		Pozo en la casa /pato	Private	1.2	2.2		
Pozo publico	Public	2.1	7.0		Pozo publico	Public	0.3	6.8		Pozo publico	Public	0.3	6.8		
	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				
Manantial	All springs	0.9	23.8		Manantial	All springs	0.5	22.5		Manantial	All springs	0.5	22.5		
	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	Surface water	0.4	15.7		Rio/acequia	Surface water	0.8	23.6		Rio/acequia	Surface water	0.8	23.6		
	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	6.6	2.7			Other non-improved	4.7	4.1			Other non-improved	4.7	4.1		
	Cart with small tank/drum					Cart with small tank/drum					Cart with small tank/drum				
Camion tanque	Tanker truck provided	4.2	1.1		Camion tanque	Tanker truck provided	1.5	0.0		Camion tanque	Tanker truck provided	1.5	0.0		
Otro	Other	2.4	1.6		Otro	Other	3.2	4.1		Otro	Other	3.2	4.1		
	Other					Other					Other				
	DK/missing					DK/missing					DK/missing				
	Total	99.8	99.8			Total	99.9	99.9			Total	99.9	99.9		
Calculations					Calculations					Calculations					
Estimations	50% of wells considered improved	2.2	6.0		Estimations	50% of wells considered improved	0.8	4.5		Estimations	50% of wells considered improved	0.8	4.5		
	50% of springs considered improved	0.5	11.9			50% of springs considered improved	0.3	11.3			50% of springs considered improved	0.3	11.3		
	Deduction of neighbour's water, based on CEN07	-3.5	-4.8			Deduction of neighbour's water, based on CEN07	-3.8	-4.9			Deduction of neighbour's water, based on CEN07	-3.8	-4.9		
Access to improved drinking water sources :		90%	64%		Access to improved drinking water sources :		93%	56%		Access to improved drinking water sources :		93%	56%		
Access to house connections :		79%	32%		Access to house connections :		86%	33%		Access to house connections :		86%	33%		
	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	94%	82%		Ratios	HC / Tap water	98%	93%		Ratios	HC / Tap water	98%	93%		
	Public tap / Tap water	6%	18%			Public tap / Tap water	2%	7%			Public tap / Tap water	2%	7%		
	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				
	Springs among surface water	69%	60%			Springs among surface water	38%	49%			Springs among surface water	38%	49%		
	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					

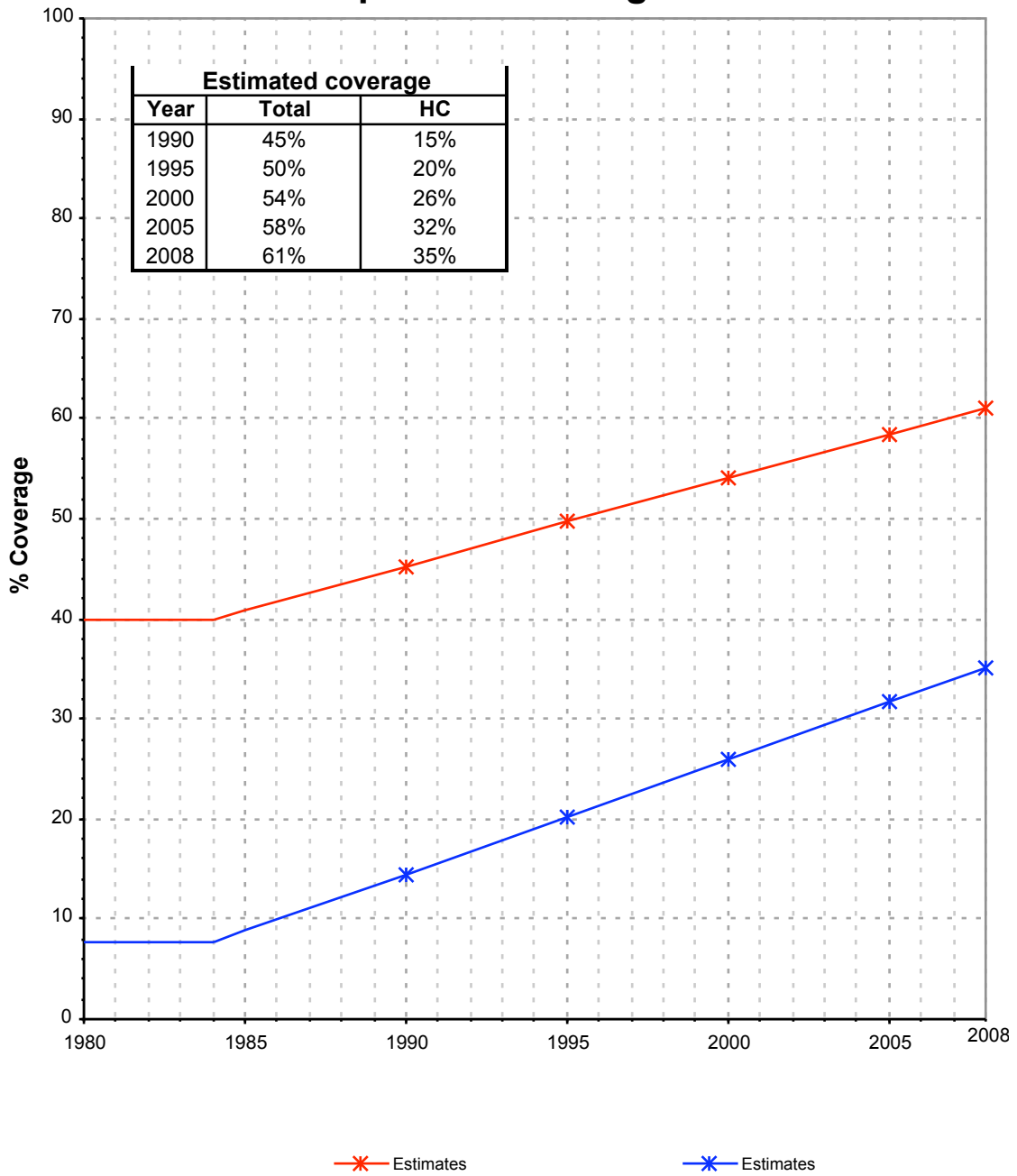
Access to drinking water sources		DHS05		Peru		Access to drinking water sources		ENH02		Peru	
Demographic and Health Survey				Enquesta Nacional de Hogares							
				2005				2002			
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
	Tap water	90.2	45.9			Tap water	86.2	50.1			
	House connections	87.7	41.4			House connections	82.8	44.5			
Red publica dentro de la vivienda	Piped water into dwelling	82.1	39.1		Red p�blica, dentro de la vivienda	Piped water into dwelling	80.1	43.5			
Red publica fuera de la vivienda	Piped water to yard/plot	5.6	2.3		Red p�blica, fuera de la vivienda pero dentro del	Piped water to yard/plot	2.6	1.0			
Pilon /grifo publico/	Public tap, standpipe	2.5	4.5		Pil�n de uso p�blico	Public tap, standpipe	3.5	5.6			
	Other					Other					
	Ground water	2.1	27.8			Ground water	2.2	10.7			
	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					
	All wells	1.4	7.7		Pozo	All wells	2.2	10.7			
	Private	1.0	2.6			Private					
Pozo en la casa /pato	Public	0.4	5.1			Public					
Pozo publico	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					
Manantial	All springs	0.7	20.1			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	Surface water	0.4	19.9		R�o, acequia, manantial o similar	Surface water	0.4	34.0			
	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	5.6	6.3			Other non-improved	11.1	5.1			
	Cart with small tank/drum					Cart with small tank/drum					
Camion tanque	Tanker truck provided	2.2	1.6		Camion - cisterna u otro similar	Tanker truck provided	7.7	1.0			
Otro	Other	3.4	4.7		Otra	Other	3.4	4.1			
	Other					Other					
	DK/missing					DK/missing					
	Total	98.3	99.9			Total	100.0	100.0			
Calculations					Calculations	Springs, based on DHS00	0.3	20.5			
Estimations					Estimations						
	50% of wells considered improved	0.7	3.9			50% of wells considered improved	1.1	5.3			
	50% of springs considered improved	0.4	10.1			50% of springs considered improved	0.1	10.3			
	Deduction of neighbour's water, based on CEN07	-3.7	-5.3			Deduction of neighbour's water, based on CEN07	-3.5	-5.7			
Access to improved drinking water sources : 93% 60%				Access to improved drinking water sources : 87% 66%							
Access to house connections : 85% 36%				Access to house connections : 79% 39%							
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	97%	90%		Ratios	HC / Tap water	96%	89%			
	Public tap / Tap water	3%	10%			Public tap / Tap water	4%	11%			
	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					
	Springs among surface water	64%	50%								
	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						

Peru			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
Encuesta sobre niveles de vida y sector informal	ESN86	1986	70.2		87.9		14.7		45.6	
Demographic and Health Survey	DHS86	1986	72.7		89.3		8.6		37.5	
Demographic and Health Survey	DHS92	1992	75.2		91.9		18.0		47.0	
National Census	CEN93	1993	75.8		84.6		5.7		41.0	
Living Standarts Measurement Survey	LSMS94	1994	75.6		91.2		20.3		52.6	
Demographic and Health Survey	DHS96	1996	72.1		86.3		23.9		51.9	
Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe	ENNIV97	1997		84.5		89.5		42.0		65.4
Global Water Supply and Sanitation Assessment 2000.	JMP99	1998		76.2		86.8		29.2		50.7
Demographic and Health Survey	DHS00	2000	78.8		90.2		32.5		63.5	
Demographic and Health Survey	DHS04	2004	86.3		93.4		32.8		56.5	
Demographic and Health Survey	DHS05	2005	85.5		92.8		36.1		59.9	
Enquesta Nacional de Hogares	ENH02	2002	79.3		87.5		38.8		65.7	
Censos Nacionales de Poblacion y de Vivienda	CEN07	2007	77.7		88.5		21.7		50.2	
Encuesta Nacional de Hogares	ENH97	1997	77.8		86.4		14.7		43.8	

Peru - urban - Use of improved drinking water sources



Peru - rural - Use of improved drinking water sources



Drinking Water

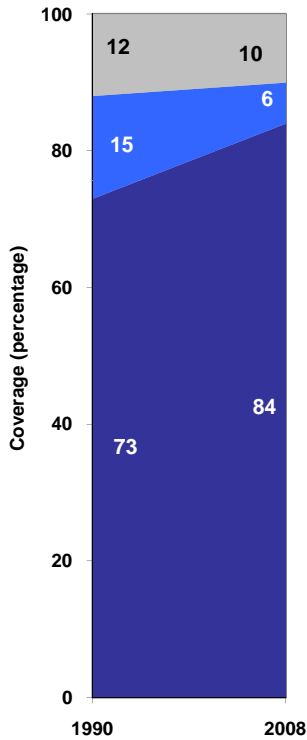
Peru	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	73	84	15	35	55	70
Other improved source	15	6	30	26	20	12
Unimproved source	12	10	55	39	25	18

Source: WHO/UNICEF JMP, 2010

Peru	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	15,004	20,587	6,772	8,250	21,776	28,837

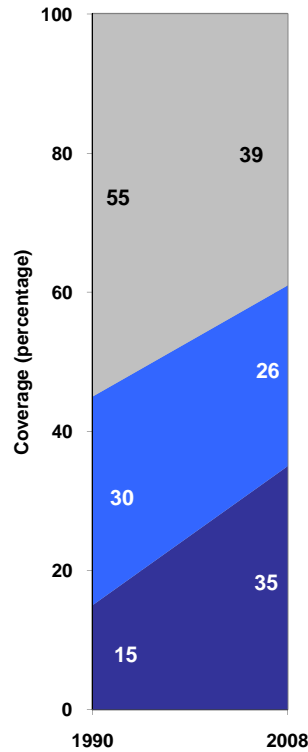
Source: UN / Population Division, 2008

Urban drinking water trends



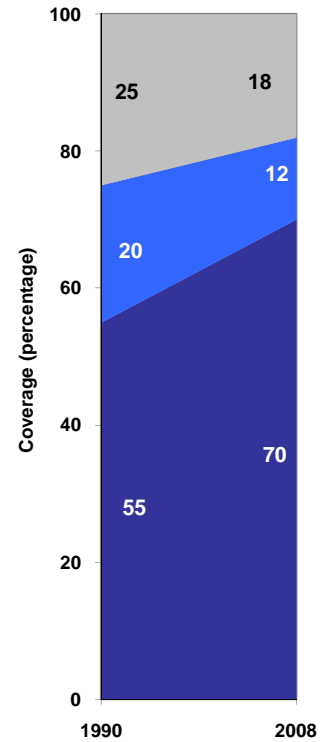
■ Unimproved sources
■ Other improved sources
■ Piped onto premises

Rural drinking water trends



■ Unimproved sources
■ Other improved sources
■ Piped onto premises

Total drinking water trends



■ Unimproved sources
■ Other improved sources
■ Piped onto premises