

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

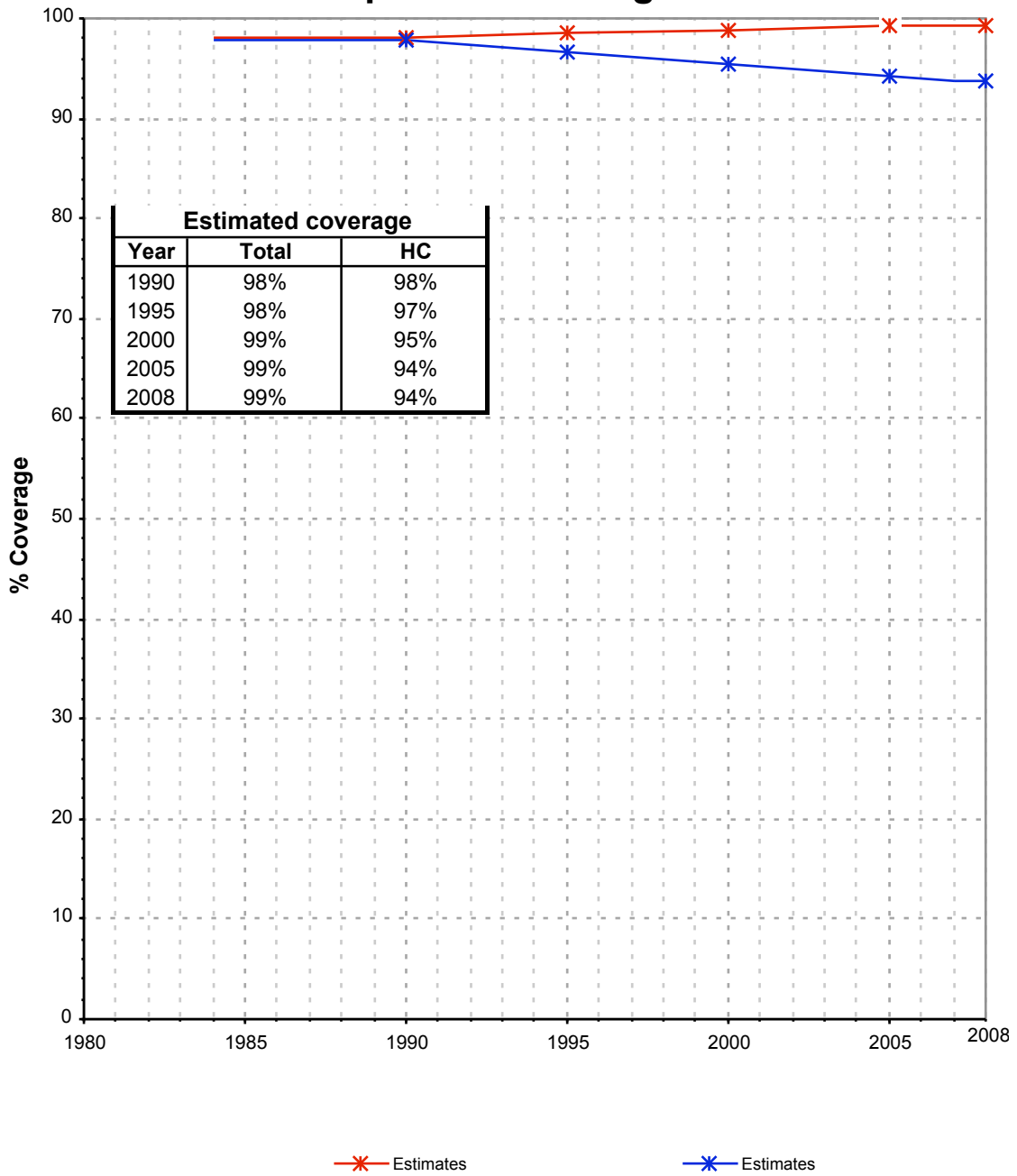
Access to drinking water sources		DHS90			Colombia			Access to drinking water sources		CEN93			Colombia		
Demographic and Health Survey					National Census										
Encuesta de Prevalencia, Demografía y Salud					10% micro dataset from IPUMS										
Original denomination		Classification		Urban	Rural	Total	Original denomination		Classification		Urban	Rural	Total		
		Tap water		97.6	67.3				Tap water		94.4	37.8			
Red pública & Acueducto veredal		House connections	95.0	43.2		Piped		House connections	92.4	36.7					
		Piped water into dwelling						Piped water into dwelling							
		Piped water to yard/plot						Piped water to yard/plot							
Pila pública		Public tap, standpipe	0.3	1.7		Public tank/tap		Public tap, standpipe	2.0	1.1					
Otra fuente con tubería		Other	2.3	22.4				Other							
		Ground water	0.4	13.4				Ground water	2.5	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	0.4	13.4		Well or cistern		All wells	2.5	25.4					
		Private						Private							
		Public						Public							
		Other						Other							
Pozo o aljibe		Tubewell, borehole						Tubewell, borehole							
		Private	0.4	13.4				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	1.3				Rainwater	1.0	2.5					
Agua lluvia		Covered cistern/tank	0.3	1.3		Rainwater		Covered cistern/tank	1.0	2.5					
		Uncovered cistern/tank						Uncovered cistern/tank							
		Bottled water						Bottled water	0.4	0.3					
		with other improved				Bottled water		with other improved	0.4	0.3					
		without other improved						without other improved							
Rio, acquevia, manantial		Surface water	0.2	14.5		River or stream		Surface water	1.0	33.5					
		River						River	1.0	33.5					
		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	1.6	3.3				Other non-improved							
		Cart with small tank/drum						Cart with small tank/drum							
Camion, tanque aguatero		Tanker truck provided	0.4	0.4				Tanker truck provided							
Otro		Other	1.2	2.9				Other							
		Other						Other							
Missing		DK/missing	0.0	0.0		Unknown		DK/missing	0.6	0.4					
		Total	100.1	99.8				Total	100.0	100.0					
Calculations		Otra fuente con tubería/otra fuente + pozo	85.2%	62.6%				Calculations							
Estimations		50% of wells considered improved	0.2	6.7				Pozo con tubería based on DHS90	2.1	15.9					
								50% of remaining wells considered improved	0.2	4.8					
		Otra fuente con tubería = HCC	2.3	22.4				Pozo con tubería = HCC	2.1	15.9					
Access to improved drinking water sources :			98%	75%		Access to improved drinking water sources :			98%	61%					
Access to house connections :			97%	66%		Access to house connections :			95%	53%					
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%	64%				HC / Tap water	98%	97%					
		Public tap / Tap water	0%	3%				Public tap / Tap water	2%	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							
		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:							
Comments								Comments							

Access to drinking water sources		JMP99			Colombia			Access to drinking water sources		DHS00			Colombia						
Global Water Supply and Sanitation Assessment 2000.					Demographic and Health Survey														
Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1998					Salud sexual y reproductiva en Colombia, Encuesta Nacional de Demografía y Salud.					2000				
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total										
Population served with household connection	Tap water	89.2	46.4			Tap water	98.0	50.3											
	House connections	89.2	46.4		Red publica & Acueducto	House connections	97.9	50.1											
	Piped water into dwelling					Piped water into dwelling													
	Piped water to yard/plot					Piped water to yard/plot													
	Public tap, standpipe				Pila publica	Public tap, standpipe	0.1	0.2											
	Other					Other													
Population without household connection	Ground water					Ground water	1.3	18.7											
	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				Pozo o aljibe	All wells	1.3	18.7											
	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				Agua lluvia	Rainwater	0.4	4.1											
	Covered cistern/tank					Covered cistern/tank	0.4	4.1											
	Uncovered cistern/tank					Uncovered cistern/tank													
	Bottled water					Bottled water													
	with other improved					with other improved													
	without other improved					without other improved													
	Surface water				Rio, acequia, manantial	Surface water	0.0	24.6											
	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													
Total population unserved	Other non-improved	10.8	53.6			Other non-improved	0.3	2.2											
	Cart with small tank/drum					Cart with small tank/drum													
	Tanker truck provided				Camion tanque aguatero	Tanker truck provided	0.1	1.2											
	Other				Otro	Other	0.2	1.0											
	Other					Other													
	DK/missing					DK/missing													
	Total	100.0	100.0			Total	100.0	99.9											
Calculations					Calculations														
Estimations					Estimations	Pozo con tuberia based on DHS95	0.8	8.4											
						50% of remaining wells considered improved	0.3	5.1											
						Pozo con tuberia = HCC	0.8	8.4											
Access to improved drinking water sources :		89%	46%		Access to improved drinking water sources :		99%	68%											
Access to house connections :		89%	46%		Access to house connections :		99%	59%											
Used for the estimates :		No	No		Used for the estimates :		Yes	Yes											
Used for the estimates :		No	No		Used for the estimates :		Yes	Yes											
Ratios	HC / Tap water	100%	100%		Ratios	HC / Tap water	100%	100%											
	Public tap / Tap water					Public tap / Tap water	0%	0%											
	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:		28062	11953		Total population:														
Comments					Comments														

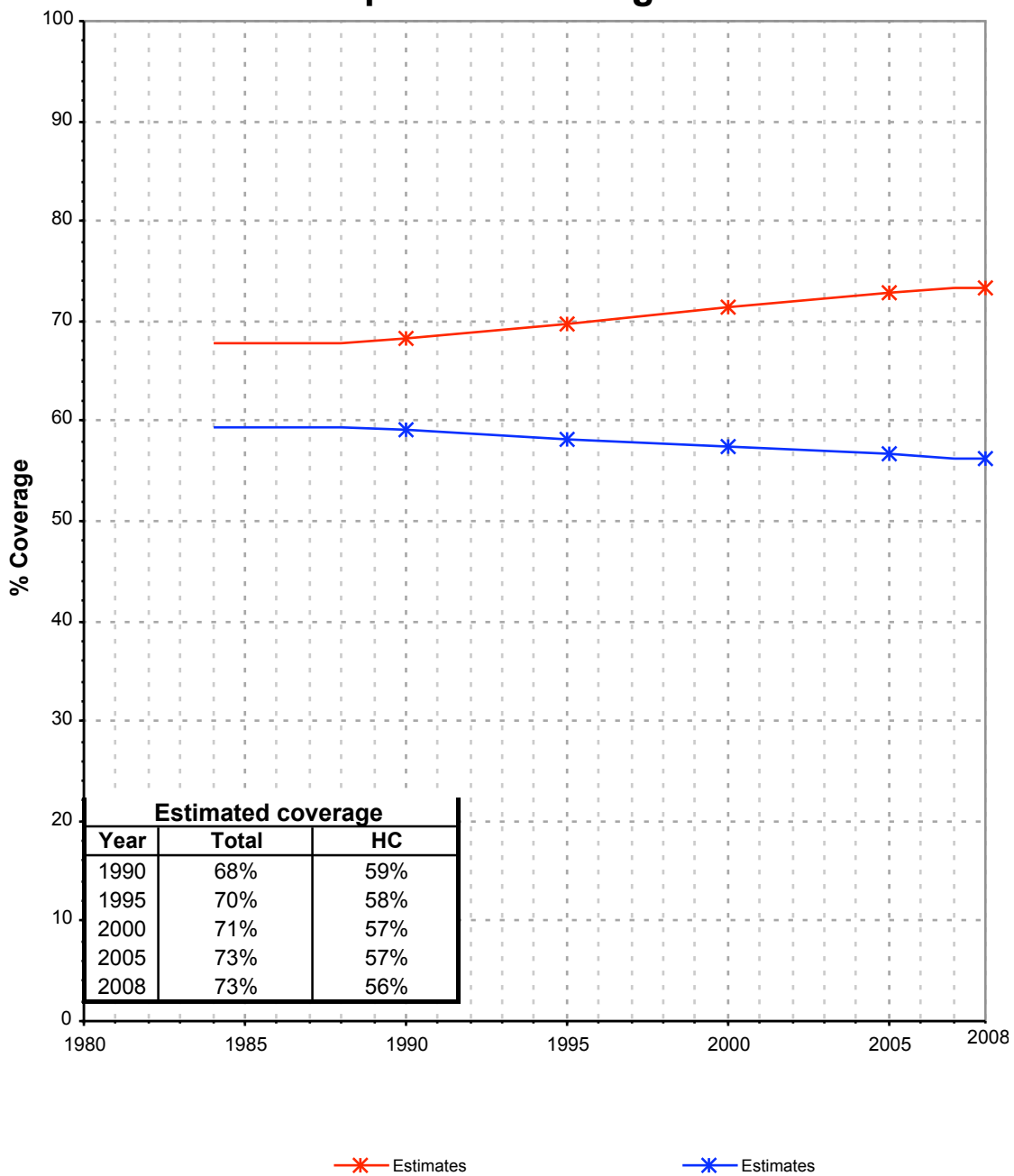
Access to drinking water sources		DHS05		Colombia		Access to drinking water sources		ENCV03		Colombia	
Demographic and Health Survey				Encuesta Nacional de Calidad de Vida - September							
Encuesta Nacional de Demografía y Salud				2005				2003			
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
	Tap water	91.7	63.9			Tap water	93.1	43.8			
Acueducto publico & comunal o veredal	House connections	91.6	63.5		Acueducto	House connections	93.0	43.3			
	Piped water into dwelling					Piped water into dwelling					
	Piped water to yard/plot					Piped water to yard/plot					
Pila publica	Public tap, standpipe	0.1	0.4		Pila pública	Public tap, standpipe	0.1	0.5			
	Other					Other					
	Ground water	1.1	9.9			Ground water	2.8	15.7			
	Protected ground water	0.8	3.1			Protected ground water	1.6	6.3			
	Unprotected ground water					Unprotected ground water					
	Protected wells or springs	0.8	3.1			Protected wells or springs	1.6	6.3			
	Private					Private					
	Public					Public					
	Other					Other					
	Unprotected wells or springs					Unprotected wells or springs					
	Private					Private					
	Public					Public					
	Other					Other					
	All wells	1.1	9.9			All wells	2.8	15.7			
	Private					Private					
	Public					Public					
	Other					Other					
Pozo con bomba	Tubewell, borehole	0.8	3.1		Pozo con bomba	Tubewell, borehole	1.6	6.3			
	Private					Private					
	Public					Public					
	Other					Other					
Pozo sin bomba, jagüey	Traditional wells	0.3	6.8		Pozo sin bomba, jagüey	Traditional wells	1.2	9.3			
	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	1.5	6.5			Rainwater	1.1	2.7			
Agua lluvia	Covered cistern/tank	1.5	6.5		Agua lluvia	Covered cistern/tank	1.1	2.7			
	Uncovered cistern/tank					Uncovered cistern/tank					
	Bottled water	4.4	1.8			Bottled water	0.9	0.5			
Agua embotallada o en bolsa	with other improved	4.4	1.8		Agua embotellada o en bolsa	with other improved	0.4	0.3			
	without other improved					without other improved	0.4	0.3			
Río, acqueña, manantial	Surface water	0.2	14.8		Río, quebrada, manantial, nacimiento	Surface water	1.8	35.8			
	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	1.1	3.1			Other non-improved	0.8	1.7			
Carrotanque	Cart with small tank/drum	0.0	0.6		Carrotanque	Cart with small tank/drum	0.3	1.0			
Aguatoro	Tanker truck provided	0.6	1.1		Aguatoro	Tanker truck provided	0.5	0.7			
Otro	Other	0.5	1.4			Other					
	DK/missing					DK/missing					
	Total	100.0	100.0			Total	100.5	100.2			
Calculations					Calculations						
Estimations	Pozo con tuberia based on DHS95	0.7	4.5		Estimations	Pozo con tuberia based on DHS95	1.7	7.1			
	50% of remaining wells considered improved	0.2	2.7			50% of remaining wells considered improved	0.5	4.3			
						Pozo con tuberia = HCC	1.7	7.1			
Access to improved drinking water sources : 99% 82%				Access to improved drinking water sources : 98% 64%							
Access to house connections : 92% 64%				Access to house connections : 95% 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	HC / Tap water	100%	99%		Ratios	HC / Tap water	100%	99%			
	Public tap / Tap water	0%	1%			Public tap / Tap water	0%	1%			
	Tubewell + protected well / All wells					Tubewell + protected well / All wells					
	Protected wells / Traditional wells					Protected wells / Traditional wells					
	Tubewell / All wells	73%	31%			Tubewell / All wells	56%	40%			
	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						

Colombia			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	DHS90	1990	97.3		98.1		65.6		75.3	
National Census	CEN93	1993	94.5		98.2		52.6		61.3	
Demographic and Health Survey	DHS95	1995	97.5		98.6		56.3		72.0	
Desigualdades en el acceso, uso y gasto con el agua potable en América Latina y el Caribe	ENCV97	1997	97.6		98.5			62.4		90.1
Global Water Supply and Sanitation Assessment 2000.	JMP99	1998		89.2		89.2		46.4		46.4
Demographic and Health Survey	DHS00	2000	98.7		99.5		58.5		68.0	
Demographic and Health Survey	DHS05	2005	91.6		99.3		63.5		82.5	
Encuesta Nacional de Calidad de Vida - September	ENCV03	2003	94.7		98.5		50.4		64.5	

Colombia - urban - Use of improved drinking water sources



Colombia - rural - Use of improved drinking water sources



Drinking Water

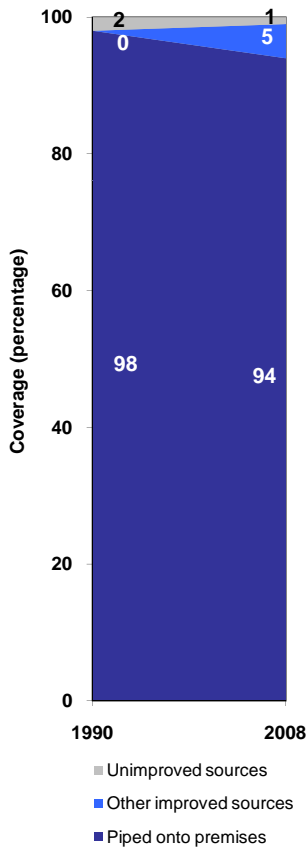
Colombia	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	98	94	59	56	86	84
Other improved source	0	5	9	17	2	8
Unimproved source	2	1	32	27	12	8

Source: WHO/UNICEF JMP, 2010

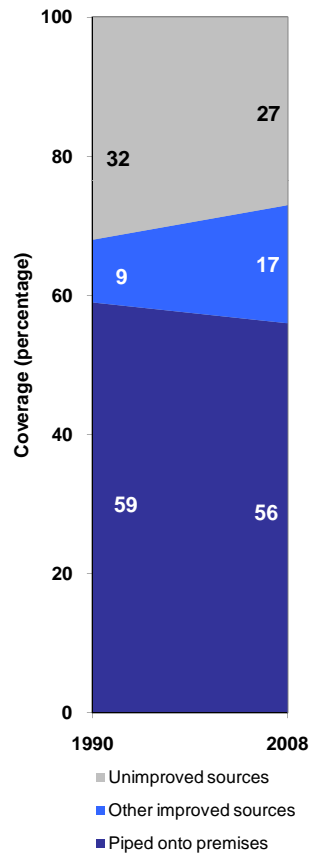
Colombia	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	22,670	33,522	10,534	11,490	33,204	45,012

Source: UN / Population Division, 2008

Urban drinking water trends



Rural drinking water trends



Total drinking water trends

