

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		DHS86		Senegal		Access to drinking water sources		CEN88		Senegal	
Demographic and Health Survey				1986		National census as recorded on the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999.				1988	
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
Private Running Water	Tap water	50.8	5.7		Household connections	Tap water	83.0	16.6			
	House connections	50.6	1.4			House connections	36.8	3.2			
	Piped water into dwelling					Piped water into dwelling					
	Piped water to yard/plot					Piped water to yard/plot					
Public Pump	Public tap, standpipe	0.1	4.3		Public standpipe / neighbour's tap	Public tap, standpipe	46.2	13.4			
	Other					Other					
	Ground water	49.2	88.1			Ground water	13.2	79.1			
	Protected ground water					Protected ground water	0.1	7.8	0.0		
	Unprotected ground water					Unprotected ground water					
	Protected wells or springs					Protected wells or springs	0.1	7.8	0.0		
	Private					Private					
	Public					Public					
	Other					Other					
	Unprotected wells or springs					Unprotected wells or springs	0.0				
	Private					Private					
	Public					Public					
	Other					Other					
	All wells	9.8	80.5			All wells	12.7	74.4			
Private Well	Private	5.5	4.5		Private well	Private	5.4	7.1			
Public Well	Public	4.4	76.0		Communal well	Public	7.2	59.6			
	Other					Other					
	Tubewell, borehole				Borehole	Tubewell, borehole	0.1	7.8			
	Private					Private					
	Public					Public					
	Other					Other					
	Traditional wells					Traditional wells	12.6	66.6			
	Private				Private well	Private	5.4	7.1			
	Public				Communal well	Public	7.2	59.6			
	Other					Other					
	Protected well					Protected well					
	Private					Private					
	Public					Public					
	Other					Other					
	Unprotected well					Unprotected well					
	Private					Private					
	Public					Public					
	Other					Other					
	All springs	39.4	7.5		Spring / surface water	All springs	0.5	4.7			
	Private					Private					
	Public	39.4	7.5			Public					
	Other					Other					
Public Spring	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					
	Surface water	0.0	5.0			Surface water					
River	River	0.0	4.4			River					
Lake	Lake	0.0	0.6			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	0.0	1.2			Other non-improved	3.8	4.3			
	Cart with small tank/drum					Cart with small tank/drum					
	Tanker truck provided					Tanker truck provided					
Private Other	Other	0.0	0.0		Others	Other	3.8	4.3			
Public Other	Other	0.0	1.2			Other					
	DK/missing					DK/missing					
	Total	100.0	100.0			Total	100.0	100.0			
Calculations					Calculations						
Estimations	protected wells estimated on basis of MICS00	4.3	23.5		protected wells estimated on basis of MICS00	5.4	16.3				
	protected springs estimated on basis of MICS00	0.0	2.0		protected springs estimated on basis of MICS00	0.0	1.2				
Access to improved drinking water sources :		55%	31%		Access to improved drinking water sources :		88%	42%			
Access to house connections :		51%	1%		Access to house connections :		37%	3%			
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%	25%		Ratios	HC / Tap water	44%	19%			
	Public tap / Tap water	0%	75%			Public tap / Tap water	56%	81%			
	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	100%				
Number of people covered by the survey:					Number of people covered by the census:		2972	3999			
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		DHS93			Senegal			Access to drinking water sources		DHS97			Senegal		
Demographic and Health Survey					1993			Demographic and Health Survey					1997		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Tap water	84.1	19.7			Tap water	84.4	24.4							
	House connections	54.1	7.6			House connections	64.2	7.3							
Tap in Household	Piped water into dwelling	54.1	7.6		Tap in Household	Piped water into dwelling	64.2	7.3							
	Piped water to yard/plot					Piped water to yard/plot									
Standpipe	Public tap, standpipe	30.0	12.1		Standpipe	Public tap, standpipe	20.2	17.1							
	Other					Other									
	Ground water	14.1	77.4			Ground water	13.0	73.1							
	Protected ground water	0.7	8.4			Protected ground water	0.1	5.9							
	Unprotected ground water					Unprotected ground water									
	Protected wells or springs	0.7	8.4	0.0		Protected wells or springs	0.1	5.9	0.0						
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected wells or springs					Unprotected wells or springs									
	Private					Private									
	Public					Public									
	Other					Other									
	All wells	14.1	73.6			All wells	12.7	71.1							
	Private	5.7	5.6			Private	4.6	5.7							
	Public	7.7	59.6			Public	8.0	59.5							
	Other					Other									
Borehole	Tubewell, borehole	0.7	8.4		Borehole	Tubewell, borehole	0.1	5.9							
	Private					Private									
	Public					Public									
	Other					Other									
	Traditional wells	13.4	65.2			Traditional wells	12.6	65.2							
	Private	5.7	5.6			Private	4.6	5.7							
	Public	7.7	59.6			Public	8.0	59.5							
	Other					Other									
Well in Yard	Protected well				Well in Yard	Protected well									
	Private					Private									
	Public					Public									
	Other					Other									
Public Well	Unprotected well				Public Well	Unprotected well									
	Private					Private									
	Public					Public									
	Other					Other									
	All springs	0.0	3.8			All springs	0.3	2.0							
	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	0.1	0.0							
	Covered cistern/tank				Rainwater	Covered cistern/tank	0.1	0.0							
	Uncovered cistern/tank					Uncovered cistern/tank									
	Bottled water					Bottled water	0.6	0.0							
	with other improved					with other improved									
	without other improved				Bottled Water	without other improved	0.6	0.0							
	Surface water	0.0	0.9			Surface water	0.1	0.8							
River/Stream	River	0.0	0.8		River/Stream	River	0.0	0.7							
	Lake					Lake									
	Dam					Dam	0.0	0.1							
Pond/Lake	Pond	0.0	0.1		Pond/Lake	Pond	0.1	0.0							
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	Other improved sources					Other improved sources									
	Other					Other									
	Other					Other									
	Other non-improved					Other non-improved	1.7	1.3							
	Cart with small tank/drum					Cart with small tank/drum									
	Tanker truck provided				Tanker	Tanker truck provided	0.0	0.1							
	Other				Other	Other	1.7	1.2							
	Other					Other									
Not Defined/Not Specified	DK/missing	1.8	1.9		Not Defined/Not Specified	DK/missing	0.1	0.4							
	Total	100.0	99.9			Total	100.0	100.0							
Calculations					Calculations										
Estimations	protected wells estimated on basis of MICS00	5.8	15.9		Estimations	protected wells estimated on basis of MICS00	5.4	15.9							
	protected springs estimated on basis of MICS 00	0.0	1.0			protected springs estimated on basis of MICS 00	0.0	0.5							
	HC corrected for "Robinet du voisin", based on ESAM02	50.5	5.2			HC corrected for "Robinet du voisin", based on ESAM02	59.9	5.0							
Access to improved drinking water sources : 91% 45%					Access to improved drinking water sources : 90% 47%										
Access to house connections : 50% 5%					Access to house connections : 60% 5%										
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	64%	39%		Ratios	HC / Tap water	76%	30%							
	Public tap / Tap water	36%	61%			Public tap / Tap water	24%	70%							
	Tubewell + protected well / All wells					Tubewell + protected well / All wells									
	Protected wells / Traditional wells					Protected wells / Traditional wells									
	Tubewell / All wells	5%	11%			Tubewell / All wells	1%	8%							
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring					Protect. well & spring / well & spring									
						Springs among surface water	75%	71%							
	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		DHS99		Senegal		Access to drinking water sources		JMP99		Senegal					
Demographic and Health Survey				1999				Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.				1999			
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	
	Tap water	82.2	27.2			Tap water	51.3				Tap water	51.3			
	House connections	65.7	8.1		Population served with household connection	House connections					House connections				
Robinet dans le logement	Piped water into dwelling	65.7	8.1			Piped water into dwelling					Piped water into dwelling				
	Piped water to yard/plot					Piped water to yard/plot					Piped water to yard/plot				
Robinet Public	Public tap, standpipe	16.5	19.1			Public tap, standpipe					Public tap, standpipe				
	Other					Other					Other				
	Ground water	12.0	65.8			Ground water	21.4	26.0			Ground water	21.4	26.0		
	Protected ground water	0.1	7.9		Population without household connection but with accessible access to a public	Protected ground water					Protected ground water				
	Unprotected ground water					Unprotected ground water					Unprotected ground water				
	Protected wells or springs	0.1	7.9	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	12.0	65.8			All wells					All wells				
	Private	4.9	6.2			Private					Private				
	Public	7.0	51.7			Public					Public				
	Other					Other					Other				
Forage	Tubewell, borehole	0.1	7.9			Tubewell, borehole					Tubewell, borehole				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Traditional wells	11.9	57.9			Traditional wells					Traditional wells				
	Private	4.9	6.2			Private					Private				
	Public	7.0	51.7			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					All springs					All springs				
	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	0.1	0.0			Bottled water					Bottled water				
	with other improved					with other improved					with other improved				
Eau de bouteille	without other improved	0.1	0.0			without other improved					without other improved				
	Surface water	0.3	2.8			Surface water					Surface water				
Riviere/Ruisseau/fleuve	River	0.3	1.8			River					River				
	Lake					Lake					Lake				
	Dam					Dam					Dam				
Mare/Marigot	Pond	0.0	1.0			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	4.8	3.4		Total population unserved	Other non-improved	27.4	74.0			Other non-improved	27.4	74.0		
	Cart with small tank/drum					Cart with small tank/drum					Cart with small tank/drum				
Vendeur d'eau/camion citerne	Tanker truck provided	0.9	0.2			Tanker truck provided					Tanker truck provided				
Autre	Other	3.9	3.2			Other					Other				
	Other					Other					Other				
Manquant	DK/missing	0.5	0.8			DK/missing					DK/missing				
	Total	99.9	100.0			Total	100.0	100.0			Total	100.0	100.0		
Calculations						Calculations									
Estimations	protected wells estimated on basis of MICS00	5.1	14.2			Estimations									
	HC corrected for "Robinet du voisin", based on ESAM02	61.3	5.6												
Access to improved drinking water sources :		87%	49%		Access to improved drinking water sources :		73%	26%		Access to improved drinking water sources :		51%	26%		
Access to house connections :		61%	6%		Access to house connections :		51%	6%		Access to house connections :		51%	6%		
Used for the estimates :		Yes	Yes		Used for the estimates :		No	No		Used for the estimates :		No	No		
Used for the estimates :		Yes	Yes		Used for the estimates :		No	No		Used for the estimates :		No	No		
Ratios	HC / Tap water	80%	30%		Ratios	HC / Tap water	100%			Ratios	HC / Tap water	100%			
	Public tap / Tap water	20%	70%			Public tap / Tap water					Public tap / Tap water				
	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	1%	12%			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				
	Number of people covered by the survey:					Number of people covered by the survey:	3901.3	5064.5			Number of people covered by the survey:	3901.3	5064.5		
	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		MICS00			Senegal			Access to drinking water sources		WHS03			Senegal		
Multiple Indicator Cluster Survey					2000			World Health Survey					2003		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Tap water	87.5	30.0			Tap water	85.3	41.4							
	House connections	68.6	10.1		Piped water through house connection or yard	House connections	73.7	22.9							
Robinet dans le logement	Piped water into dwelling	22.9	3.1			Piped water into dwelling									
Robinet dans la cour/parcelle	Piped water to yard/plot	45.7	7.0			Piped water to yard/plot									
Borne Fontaine	Public tap, standpipe	18.9	19.9		Public standpipe	Public tap, standpipe	11.6	18.6							
	Other					Other									
	Ground water	9.4	65.6			Ground water	11.2	56.0							
	Protected ground water	4.0	21.0			Protected ground water	7.9	23.8							
	Unprotected ground water	5.4	44.6			Unprotected ground water	3.3	32.2							
	Protected wells or springs	3.9	19.1		Protected dug well or protected spring	Protected wells or springs	5.5	14.7							
	Private					Private									
	Public					Public									
	Other	0.1	1.9			Other									
	Unprotected wells or springs	5.4	44.6		Unprotected dug well or spring	Unprotected wells or springs	3.3	32.2							
	Private					Private									
	Public					Public									
	Other					Other									
	All wells	8.9	63.3			All wells	2.4	9.0							
	Private					Private									
	Public					Public									
	Other	0.1	1.9			Other									
Forage	Tubewell, borehole	0.1	4.0		Protected tube well or bore hole	Tubewell, borehole	2.4	9.0							
	Private					Private									
	Public					Public									
	Other					Other									
	Traditional wells	8.8	59.3			Traditional wells									
	Private					Private									
	Public					Public									
	Other	0.1	1.9			Other									
Puits protégé	Protected well	3.8	14.5			Protected well									
	Private					Private									
	Public					Public									
	Other	0.1	1.9			Other									
Puits a pompe	Unprotected well	4.9	42.9			Unprotected well									
Puits non protégé	Private					Private									
	Public					Public									
	Other					Other									
	All springs	0.5	2.3			All springs									
	Private					Private									
	Public					Public									
	Other					Other									
Source protegee	Protected spring	0.0	0.6			Protected spring									
	Private					Private									
	Public					Public									
	Other					Other									
Source non protegee	Unprotected spring	0.5	1.7			Unprotected spring									
	Private					Private									
	Public					Public									
	Other					Other									
	Rainwater	0.0	0.0			Rainwater	0.0	0.3							
Eau de pluie	Covered cistern/tank	0.0	0.0		Rainwater (into tank or cistern)	Covered cistern/tank	0.0	0.3							
	Uncovered cistern/tank					Uncovered cistern/tank									
	Bottled water	0.1	0.3			Bottled water									
	with other improved					with other improved									
Eau de bouteille	without other improved	0.1	0.3			without other improved									
mare ruisseau ou fleuve	Surface water	0.0	3.1		Water taken directly from pond-water or stre	Surface water	3.5	1.8							
	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	0.1	0.3			Other non-improved	0.0	0.6							
	Cart with small tank/drum					Cart with small tank/drum									
Camion citerne, vendeur d'eau	Tanker truck provided	0.1	0.3		Tanker-truck, vendor	Tanker truck provided	0.0	0.6							
	Other					Other									
	Other					Other									
Manquant	DK/missing	2.8	0.8			DK/missing									
	Total	99.9	100.1			Total	100.0	100.0							
Calculations					Calculations										
						Protected wells, based on MICS00 & DHS05	5.4	14.4							
						Protected springs based on MICS00 & DHS05	0.1	0.3							
Estimations					Estimations										
						HC corrected for "Robinet du voisin", based on ESAM02	68.7	15.8							
Access to improved drinking water sources :		92%	51%		Access to improved drinking water sources :		93%	65%							
Access to house connections :		64%	7%		Access to house connections :		69%	16%							
Used for the estimates :		Yes	Yes		Used for the estimates :		Yes	No							
Used for the estimates :		Yes	Yes		Used for the estimates :		Yes	No							
Ratios	HC / Tap water	78%	34%		Ratios	HC / Tap water	86%	55%							
	Public tap / Tap water	22%	66%			Public tap / Tap water	14%	45%							
	Tubewell + protected well / All wells	44%	29%			Tubewell + protected well / All wells									
	Protected wells / Traditional wells	43%	24%			Protected wells / Traditional wells									
	Tubewell / All wells	1%	6%			Tubewell / All wells	100%	100%							
	Protected springs / All springs	0%	26%			Protected springs / All springs									
	Protect. well & spring / well & spring	42%	30%			Protect. well & spring / well & spring	62%	31%							
	Springs/Groundwater	5%	4%												
	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										

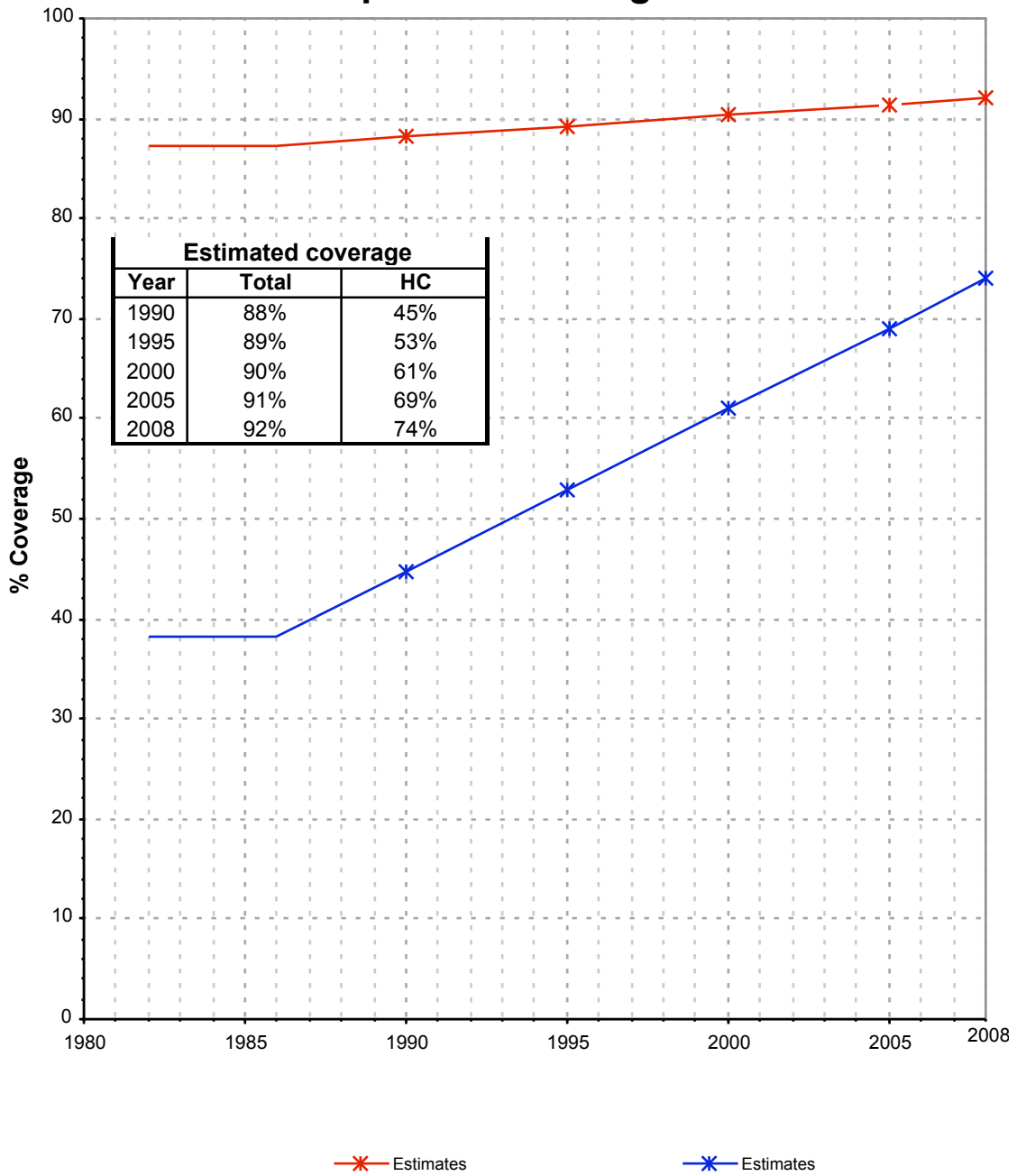
Access to drinking water sources		DHS05			Senegal			Access to drinking water sources		ESAM02			Sénégal		
Demographic and Health Survey					Enquête Sénégalaise Auprès des Ménages					ESAM 2					
					2005					2002					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Tap water	89.1	40.2			Tap water	86.0	37.0							
	House connections	75.6	16.1		Robinet intérieur	House connections	62.5	8.3							
Eau du robinet dans le logement	Piped water into dwelling	50.4	6.6			Piped water into dwelling									
Eau du robinet dans la cour/concession	Piped water to yard/plot	25.2	9.5			Piped water to yard/plot									
Fontaine publique	Public tap, standpipe	13.5	24.1		Robinet public	Public tap, standpipe	19.0	25.0							
	Other				Robinet du voisin	Other	4.5	3.7							
	Ground water	6.2	55.5			Ground water	10.7	59.0							
	Protected ground water	1.9	10.5			Protected ground water	4.6	16.3							
	Unprotected ground water	6.3	44.7			Unprotected ground water	6.1	42.7							
	Protected wells or springs	1.9	10.5			Protected wells or springs	4.6	16.3	0.0						
	Private	0.7	1.3			Private									
	Public	1.2	9.2			Public									
	Other					Other									
	Unprotected wells or springs	6.3	44.7			Unprotected wells or springs	6.1	42.7	0.0						
	Private	2.5	4.8			Private									
	Public	3.8	39.9			Public									
	Other					Other									
	All wells	8.2	55.2	0.0		All wells	10.7	59.0							
	Private	3.2	6.1			Private									
	Public	5.0	49.1			Public									
	Other					Other									
	Tubewell, borehole				Forage	Tubewell, borehole	0.1	7.8							
	Private					Private									
	Public					Public									
	Other					Other									
	Traditional wells	8.2	55.2	0.0		Traditional wells	10.6	51.3							
	Private	3.2	6.1			Private									
	Public	5.0	49.1			Public									
	Other					Other									
	Protected well	1.9	10.5	0.0	Puits protégé	Protected well	4.4	8.5							
Puits protégé dans le logement/cour	Private	0.7	1.3			Private									
Puits public protégé	Public	1.2	9.2			Public									
	Other					Other									
	Unprotected well	6.3	44.7	0.0	Puits non protégé	Unprotected well	6.1	42.7							
Puits ouvert dans le logement/cour	Private	2.5	4.8			Private									
Puits public ouvert	Public	3.8	39.9			Public									
	Other					Other									
	All springs	0.0	0.3			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									
Eau de pluie	Covered cistern/tank	0.0	0.0			Covered cistern/tank									
	Uncovered cistern/tank					Uncovered cistern/tank									
	Bottled water	0.4	0.1			Bottled water									
	with other improved					with other improved									
Eau en bouteille	without other improved	0.4	0.1			without other improved									
	Surface water	0.0	1.6		Source/cours d'eau	Surface water	0.0	2.8							
Rivière, fleuve	River	0.0	1.4			River									
	Lake					Lake									
	Dam					Dam									
Mare, lac	Pond	0.0	0.2			Pond									
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	Other improved sources					Other improved sources									
	Other					Other									
	Other					Other									
	Other non-improved	0.0	0.0			Other non-improved	3.0	0.9							
	Cart with small tank/drum				Vendeur d'eau	Cart with small tank/drum	2.9	0.3							
Camion citerne	Tanker truck provided	0.0	0.0		Camion citerne	Tanker truck provided	0.0	0.0							
	Other				Autre	Other	0.1	0.6							
	Other					Other									
Manquant	DK/missing	2.2	2.5		ND	DK/missing	0.3	0.3							
	Total	99.9	99.9			Total	100.0	100.0							
Calculations					Calculations										
						Source, based on MICS00	0.0	0.1							
Estimations					Estimations										
	protected springs estimated on basis of MICS 00	0.0	0.1			protected springs estimated on basis of MICS 00	0.0	0.0							
	HC corrected for "Robinet du voisin", based on ESAM02	70.5	11.1												
Access to improved drinking water sources : 91% 51%					Access to improved drinking water sources : 91% 53%										
Access to house connections : 71% 11%					Access to house connections : 63% 8%										
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										
	HC / Tap water	85%	40%			HC / Tap water	73%	22%							
	Public tap / Tap water	15%	60%			Public tap / Tap water	22%	68%							
	Tubewell + protected well / All wells					Tubewell + protected well / All wells	43%	28%							
	Protected wells / Traditional wells	23%	19%			Protected wells / Traditional wells	42%	17%							
	Tubewell / All wells					Tubewell / All wells	1%	13%							
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring	23%	19%			Protect. well & spring / well & spring	43%	28%							
	Springs/Groundwater	0%	1%			Robinet du voisin among HC	7%	31%							
	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		MIS06			Senegal			Access to drinking water sources		ESAM95			Sénégal						
Malaria Indicator Survey					Enquête Sénégalaise Auprès des Ménages														
					2006					ESAM 1					1995				
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total					
	Tap water	80.1	21.6			Tap water	82.9	29.7			Tap water	82.9	29.7						
	House connections	68.7	9.9		Robinet intérieur	House connections	53.2	5.6			House connections	53.2	5.6						
Piped into dwelling	Piped water into dwelling	36.9	1.7			Piped water into dwelling					Piped water into dwelling								
Piped into yard	Piped water to yard/plot	31.8	8.2			Piped water to yard/plot					Piped water to yard/plot								
Public tap, standpipe	Public tap, standpipe	11.4	11.7		robinet public	Public tap, standpipe	25.8	18.2			Public tap, standpipe	25.8	18.2						
	Other				autre concession	Other	3.9	6.0			Other	3.9	6.0						
	Ground water	19.5	77.9			Ground water	15.0	66.7			Ground water	15.0	66.7						
	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	19.5	76.5			All wells	15.0	66.7			All wells	15.0	66.7						
	Private	12.5	34.5			Private	6.8	8.3			Private	6.8	8.3						
	Public	7.0	42.0			Public	8.3	58.4			Public	8.3	58.4						
	Other					Other					Other								
	Tubewell, borehole					Tubewell, borehole					Tubewell, borehole								
	Private					Private					Private								
	Public					Public					Public								
	Other					Other					Other								
	Traditional wells	19.5	76.5			Traditional wells	15.0	66.7			Traditional wells	15.0	66.7						
Covered well into dwelling	Private	12.5	34.5		puits interieur	Private	6.8	8.3			Private	6.8	8.3						
Covered well into yard/plot	Public	7.0	42.0		puits ext.forage-pompe	Public	8.3	58.4			Public	8.3	58.4						
	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								
Spring	All springs	0.0	1.4			All springs					All springs								
	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	0.3	0.1			Bottled water					Bottled water								
	with other improved					with other improved					with other improved								
Bottled water	without other improved	0.3	0.1			without other improved					without other improved								
	Surface water		0.4		source ou cours d'eau	Surface water	0.1	2.0			Surface water	0.1	2.0						
lake	River					River					River								
	Lake		0.4			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	0.1	0.1			Other non-improved	2.0	1.5			Other non-improved	2.0	1.5						
	Cart with small tank/drum				Vendeur d'eau	Cart with small tank/drum	1.5	0.5			Cart with small tank/drum	1.5	0.5						
	Tanker truck provided				service de camion-citerne	Tanker truck provided	0.1	0.2			Tanker truck provided	0.1	0.2						
Other	Other	0.1	0.1		autre	Other	0.4	0.8			Other	0.4	0.8						
	Other					Other					Other								
	DK/missing					DK/missing					DK/missing								
	Total	100.0	100.1			Total	100.1	99.9			Total	100.1	99.9						
Calculations	Wells & Springs	19.5	77.9			Springs, based on DHS97	0.1	1.4											
Estimations	Protected wells and Springs, based on WHS03	12.2	24.5			Protected wells and Springs, based on WHS03	3.5	13.0											
Access to improved drinking water sources :		92%	46%		Access to improved drinking water sources :		86%	43%		Access to improved drinking water sources :		86%	43%						
Access to house connections :		69%	10%		Access to house connections :		53%	6%		Access to house connections :		53%	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		Used for the estimates :		Yes	Yes		Used for the estimates :		Yes	Yes						
Ratios	HC / Tap water	86%	46%		Ratios	HC / Tap water	64%	19%		Ratios	HC / Tap water	64%	19%						
	Public tap / Tap water	14%	54%			Public tap / Tap water	31%	61%			Public tap / Tap water	31%	61%						
	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											
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									

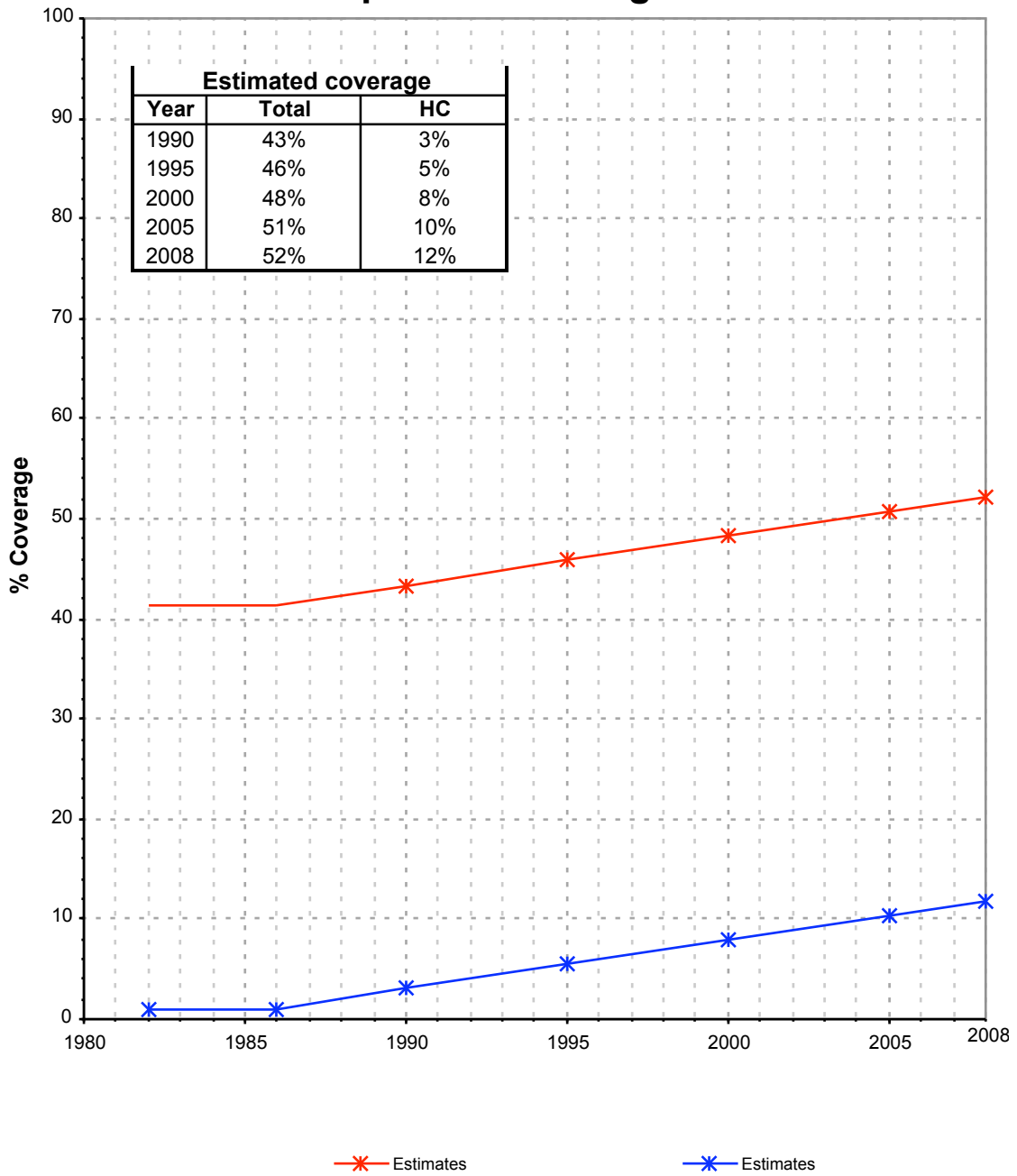
Access to drinking water sources		ESPS06		Sénégal	
Enquête de suivi de la pauvreté					
Agence Nationale de la Statistique et de la Démographie				2006	
Original denomination	Classification	Urban	Rural	Total	
	Tap water	81.3	35.8		
Robinet intérieur	House connections	64.8	13.7		
	Piped water into dwelling				
	Piped water to yard/plot				
Robinet public	Public tap, standpipe	12.4	20.4		
Robinet du voisin	Other	4.1	1.7		
	Ground water	16.9	59.3		
	Protected ground water	9.7	15.8		
	Unprotected ground water	7.2	43.5		
	Protected wells or springs	9.7	15.8	0.0	
	Private				
	Public				
	Other				
	Unprotected wells or springs	7.2	43.5	0.0	
	Private				
	Public				
	Other				
	All wells	16.9	59.3		
	Private				
	Public				
	Other				
Forage	Tubewell, borehole	0.7	9.8		
	Private				
	Public				
	Other				
	Traditional wells	16.2	49.5		
	Private				
	Public				
	Other				
Puits protégé	Protected well	9.0	6.0		
	Private				
	Public				
	Other				
Puits non-protégé	Unprotected well	7.2	43.5		
	Private				
	Public				
	Other				
	All springs				
	Private				
	Public				
	Other				
	Protected spring				
	Private				
	Public				
	Other				
	Unprotected spring				
	Private				
	Public				
	Other				
	Rainwater				
	Covered cistern/tank				
	Uncovered cistern/tank				
	Bottled water				
	with other improved				
	without other improved				
Source/cours d'eau	Surface water	0.5	3.2		
	River				
	Lake				
	Dam				
	Pond				
	Stream				
	Irrigation channel				
	Other				
	Other improved sources				
	Other				
	Other				
	Other non-improved	1.4	1.7		
Vendeur d'eau	Cart with small tank/drum	1.0	0.4		
Service de camion citerne	Tanker truck provided	0.0	0.2		
Autre	Other	0.4	1.1		
	Other				
	DK/missing				
	Total	100.1	100.0		
Calculations					
	Source, based on MICS00	0.0	1.0		
Estimations					
	protected springs estimated on basis of MICS 00	0.0	0.3		
Access to improved drinking water sources :		91%	52%		
Access to house connections :		65%	14%		
Used for the estimates :		Yes	Yes		
Used for the estimates :		Yes	Yes		
Ratios	HC / Tap water	80%	38%		
	Public tap / Tap water	15%	57%		
	Tubewell + protected well / All wells	57%	27%		
	Protected wells / Traditional wells	56%	12%		
	Tubewell / All wells	4%	17%		
	Protected springs / All springs				
	Protect. well & spring / well & spring	57%	27%		
Number of people covered by the survey:					
Number of households covered by the survey:					
Total population:					
Comments					

Senegal			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	DHS86	1986		50.6		55.1		1.4		31.2
National census	CEN88	1988	36.8		88.5		3.2		41.9	
Demographic and Health Survey	DHS93	1993	50.5		90.6		5.2		45.0	
Demographic and Health Survey	DHS97	1997	59.9		90.0		5.0		46.8	
Demographic and Health Survey	DHS99	1999	61.3		87.4		5.6		49.3	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		51.3		72.6				26.0
Multiple Indicator Cluster Survey	MICS00	2000	64.0		91.5		7.0		51.0	
World Health Survey	WHS03	2003	68.7		93.2			15.8		65.5
Demographic and Health Survey	DHS05	2005	70.5		91.0		11.1		50.8	
Enquête Sénégalaise Auprès des Ménages	ESAM02	2002	62.5		90.6		8.3		53.3	
Malaria Indicator Survey	MIS06	2006	68.7		92.3		9.9		46.1	
Enquête Sénégalaise Auprès des Ménages	ESAM95	1995	53.2		86.4		5.6		42.7	
Enquête de suivi de la pauvreté	ESPS06	2006	64.8		91.0		13.7		51.9	

Senegal - urban - Use of improved drinking water sources



Senegal - rural - Use of improved drinking water sources



Drinking Water

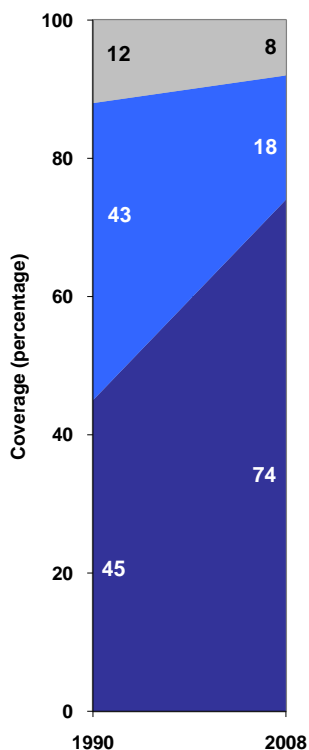
Senegal	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	45	74	3	12	19	38
Other improved source	43	18	40	40	42	31
Unimproved source	12	8	57	48	39	31

Source: WHO/UNICEF JMP, 2010

Senegal	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	2936	5165	4602	7046	7538	12211

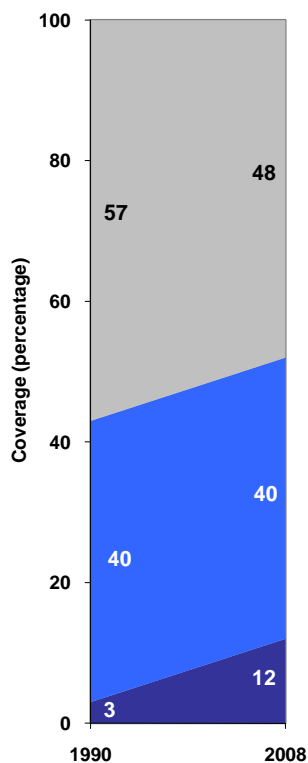
Source: UN / Population Division, 2008

Urban drinking water trends



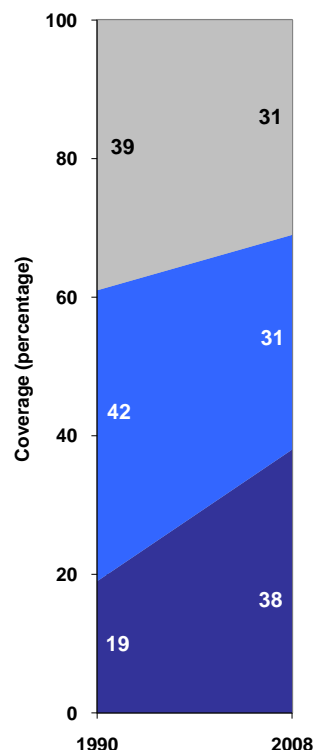
■ Unimproved sources
■ Other improved sources
■ Piped onto premises

Rural drinking water trends



■ Piped onto premises
■ Other improved sources
■ Unimproved sources

Total drinking water trends



■ Unimproved sources
■ Other improved sources
■ Piped onto premises