

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

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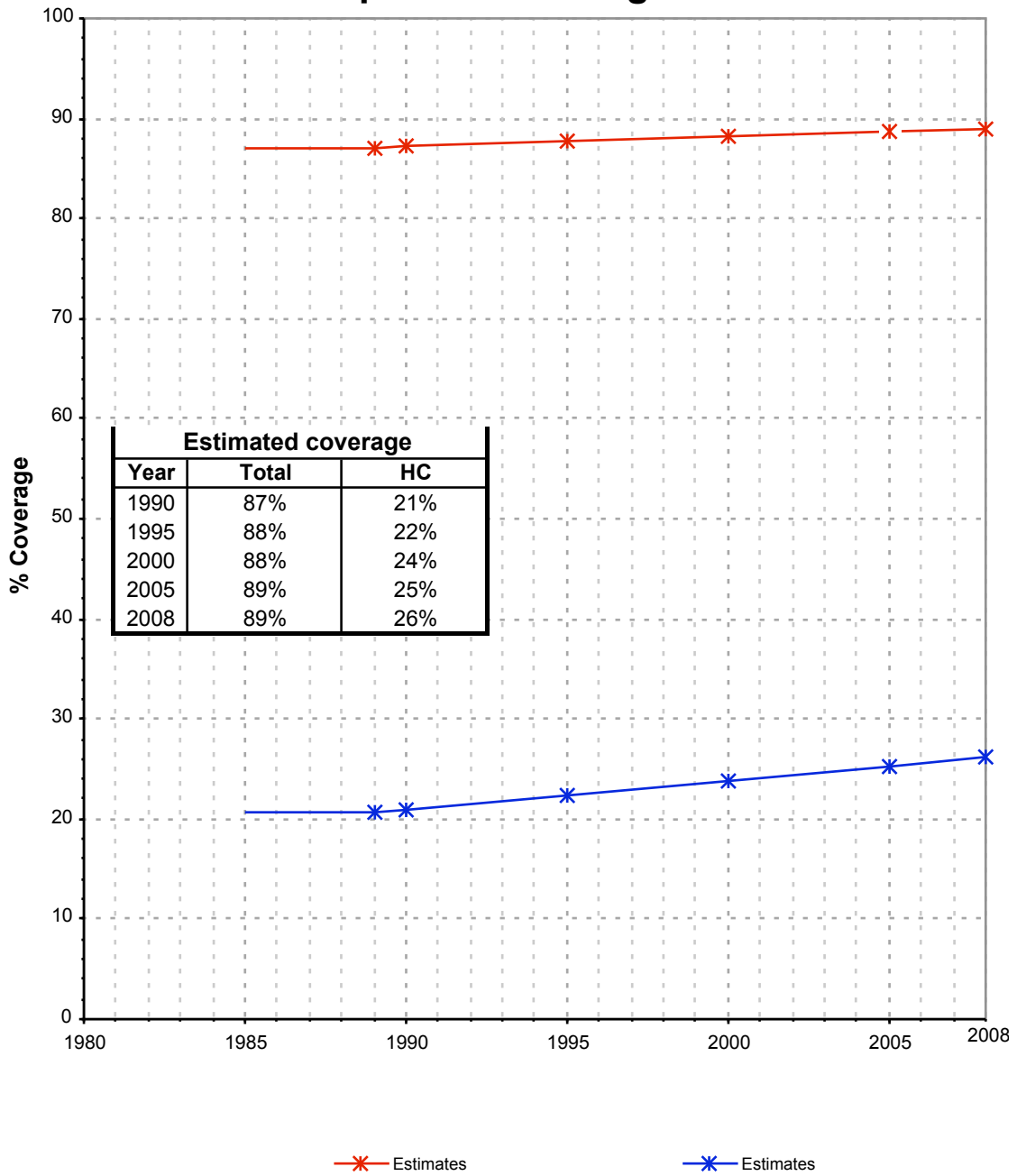
Access to drinking water sources		DHS92			Guinea		Access to drinking water sources		CEN96			Guinea		
Demographic and Health Survey					1992		National census					1996		
as recorded on the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999.					1992		as recorded on the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999.					1996		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total
	Tap water	61.0	10.3			Tap water	42.2	0.6			Tap water	42.2	0.6	
Private Tap	House connections	36.8	1.8		Private connection	House connections	21.4	0.0			House connections	21.4	0.0	
	Piped water into dwelling					Piped water into dwelling					Piped water into dwelling			
	Piped water to yard/plot					Piped water to yard/plot					Piped water to yard/plot			
Public Tap	Public tap, standpipe	24.2	8.5		Communal tap	Public tap, standpipe	20.8	0.6			Public tap, standpipe	20.8	0.6	
	Other					Other					Other			
	Ground water	27.1	39.2			Ground water	53.7	54.8			Ground water	53.7	54.8	
	Protected ground water					Protected ground water	5.7	28.2			Protected ground water	5.7	28.2	
	Unprotected ground water					Unprotected ground water	48.0	28.6			Unprotected ground water	48.0	28.6	
	Protected wells or springs					Protected wells or springs	5.7	28.2	0.0		Protected wells or springs	5.7	28.2	0.0
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Unprotected wells or springs					Unprotected wells or springs	48.0	28.6			Unprotected wells or springs	48.0	28.6	
	Private					Private	48.0	28.6			Private	48.0	28.6	
	Public					Public					Public			
	Other					Other					Other			
Well	All wells	27.1	39.2			All wells	51.4	50.1	0.0		All wells	51.4	50.1	0.0
	Private					Private	48.0	28.6			Private	48.0	28.6	
	Public					Public					Public			
	Other					Other					Other			
	Tubewell, borehole				Borehole / tube well	Tubewell, borehole	3.4	21.5			Tubewell, borehole	3.4	21.5	
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Traditional wells					Traditional wells	48.0	28.6	0.0		Traditional wells	48.0	28.6	0.0
	Private					Private	48.0	28.6			Private	48.0	28.6	
	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	48.0	28.6	0.0		Unprotected well	48.0	28.6	0.0
	Private				Private well	Private	48.0	28.6			Private	48.0	28.6	
	Public					Public					Public			
	Other					Other					Other			
	All springs					All springs	2.3	4.7			All springs	2.3	4.7	
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Protected spring				Protected spring	Protected spring	2.3	4.7			Protected spring	2.3	4.7	
	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			
Surface Water	Surface water	8.9	49.1		Surface water	Surface water	1.7	42.0			Surface water	1.7	42.0	
	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	2.9	1.4			Other non-improved	0.6	0.9			Other non-improved	0.6	0.9	
	Cart with small tank/drum					Cart with small tank/drum					Cart with small tank/drum			
	Tanker truck provided					Tanker truck provided					Tanker truck provided			
Other/Not Defined	Other	2.9	1.4		Other	Other	0.6	0.9			Other	0.6	0.9	
	Other					Other					Other			
	DK/missing				Not known	DK/missing	1.9	1.7			DK/missing	1.9	1.7	
	Total	99.9	100.0			Total	100.0	100.0			Total	100.0	100.0	
Calculations					Calculations					Calculations				
Estimations	Estimated protected wells based on MICS03	23.7	33.5		Estimations	Estimated protected wells based on MICS03	37.9	12.7			Estimated protected wells based on MICS03	37.9	12.7	
	Estimation of springs among surface water, based on DHS99	2.5	3.5											
	HC corrected for "Eau du voisin" based on QUIBB02	23.7	0.2											
Access to improved drinking water sources :		87%	47%		Access to improved drinking water sources :		86%	39%		Access to improved drinking water sources :		86%	39%	
Access to house connections :		24%	0%		Access to house connections :		21%	0%		Access to house connections :		21%	0%	
	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	60%	17%		Ratios	HC / Tap water	51%	0%			HC / Tap water	51%	0%	
	Public tap / Tap water	40%	83%			Public tap / Tap water	49%	100%			Public tap / Tap water	49%	100%	
	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	11%	48%			Protect. well & spring / well & spring	11%	48%	
	Number of people covered by the survey:					Number of people covered by the census:	2139.631	5016.775			Number of people covered by the census:	2139.631	5016.775	
	Number of households covered by the survey:					Number of households covered by the census:					Number of households covered by the census:			
	Total population:					Total population:					Total population:			
Comments					Comments					Comments				

Access to drinking water sources		JMP99			Guinea			Access to drinking water sources		MICS03			Guinea		
Global Water Supply and Sanitation Assessment 2000.								Multiple Indicator Cluster Survey							
Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1999			Enquête à Indicateurs Multiples					2003		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	
Population served with household connection	Tap water	29.0	0.0			Tap water	64.3	1.1	25.9		Tap water	16.7	0.1	6.6	
	House connections	29.0	0.0		Robinet dans le logement	House connections	16.7	0.1	6.6		House connections	16.7	0.1	6.6	
	Piped water into dwelling					Piped water into dwelling					Piped water into dwelling				
	Piped water to yard/plot				Borne fontaine	Piped water to yard/plot					Piped water to yard/plot				
	Public tap, standpipe				Robinet dans la cour, chez le voisin	Public tap, standpipe	5.5	0.5	2.5		Public tap, standpipe	42.1	0.5	16.8	
	Other					Other	42.1	0.5	16.8		Other	28.7	0.5	11.5	
Population without household connection but with reasonable access to a public	Ground water	32.3	62.0			Ground water	32.9	79.7	61.3		Ground water	28.1	63.8	49.8	
	Protected ground water	32.3	62.0			Protected ground water	28.1	63.8	49.8		Protected ground water	4.8	15.9	11.5	
	Unprotected ground water					Unprotected ground water	4.8	15.9	11.5		Unprotected ground water	28.7	63.8	49.8	
	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	4.8	15.9	11.5		Unprotected wells or springs				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	All wells					All wells	30.5	72.8	56.2		All wells				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Tubewell, borehole				Puits a pompe forages	Tubewell, borehole	12.5	53.7	37.5		Tubewell, borehole				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Traditional wells					Traditional wells	18.0	19.1	18.7		Traditional wells				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Protected well				Puits protégé	Protected well	14.2	8.5	10.8		Protected well				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Unprotected well				Puits non protégé	Unprotected well	3.8	10.6	7.9		Unprotected well				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	All springs					All springs	2.4	6.9	5.1		All springs				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Protected spring				Source protégée	Protected spring	1.4	1.6	1.5		Protected spring				
	Private					Private					Private				
	Public					Public					Public				
	Other					Other					Other				
	Unprotected spring				Source non protégée	Unprotected spring	1.0	5.3	3.6		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				
	Surface water				Mare, ruisseau ou fleuve	Surface water	0.6	18.7	11.5		Surface water				
	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				
Total population unserved	Other non-improved	38.8	38.0			Other non-improved	2.1	0.3	1.0		Other non-improved				
	Cart with small tank/drum				Citerne vendeur d'eau	Cart with small tank/drum					Cart with small tank/drum				
	Tanker truck provided				Autre source	Tanker truck provided	2.0	0.1	0.8		Tanker truck provided				
	Other					Other	0.1	0.2	0.2		Other				
	Other					Other					Other				
	DK/missing				ND	DK/missing	0.2	0.2	0.3		DK/missing				
	Total	100.0	100.0			Total	100.1	100.0	100.0		Total				
Calculations					Calculations					Calculations					
Estimations					Estimations					Estimations					
Access to improved drinking water sources :		61%	62%		Access to improved drinking water sources :		92%	65%	76%	Access to improved drinking water sources :		17%	0%	7%	
Access to house connections :		29%	0%		Access to house connections :		17%	0%	7%	Access to house connections :		Yes	Yes		
Used for the estimates:		No	No		Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes		
Used for the estimates:		No	No		Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes		
Ratios	HC / Tap water	100%	#DIV/0!		Ratios	HC / Tap water	26%	9%		Ratios	HC / Tap water	26%	9%		
	Public tap / Tap water					Public tap / Tap water	9%	45%			Public tap / Tap water	9%	45%		
	Tubewell + protected well / All wells					Tubewell + protected well / All wells	88%	85%			Tubewell + protected well / All wells	88%	85%		
	Protected wells / Traditional wells					Protected wells / Traditional wells	79%	45%			Protected wells / Traditional wells	79%	45%		
	Tubewell / All wells					Tubewell / All wells	41%	74%			Tubewell / All wells	41%	74%		
	Protected springs / All springs					Protected springs / All springs	58%	23%			Protected springs / All springs	58%	23%		
Protect. well & spring / well & spring				Protect. well & spring / well & spring	85%	80%		Protect. well & spring / well & spring	85%	80%		Protect. well & spring / well & spring	85%	80%	
Number of people covered by the survey:		2710.96	5143.83		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					

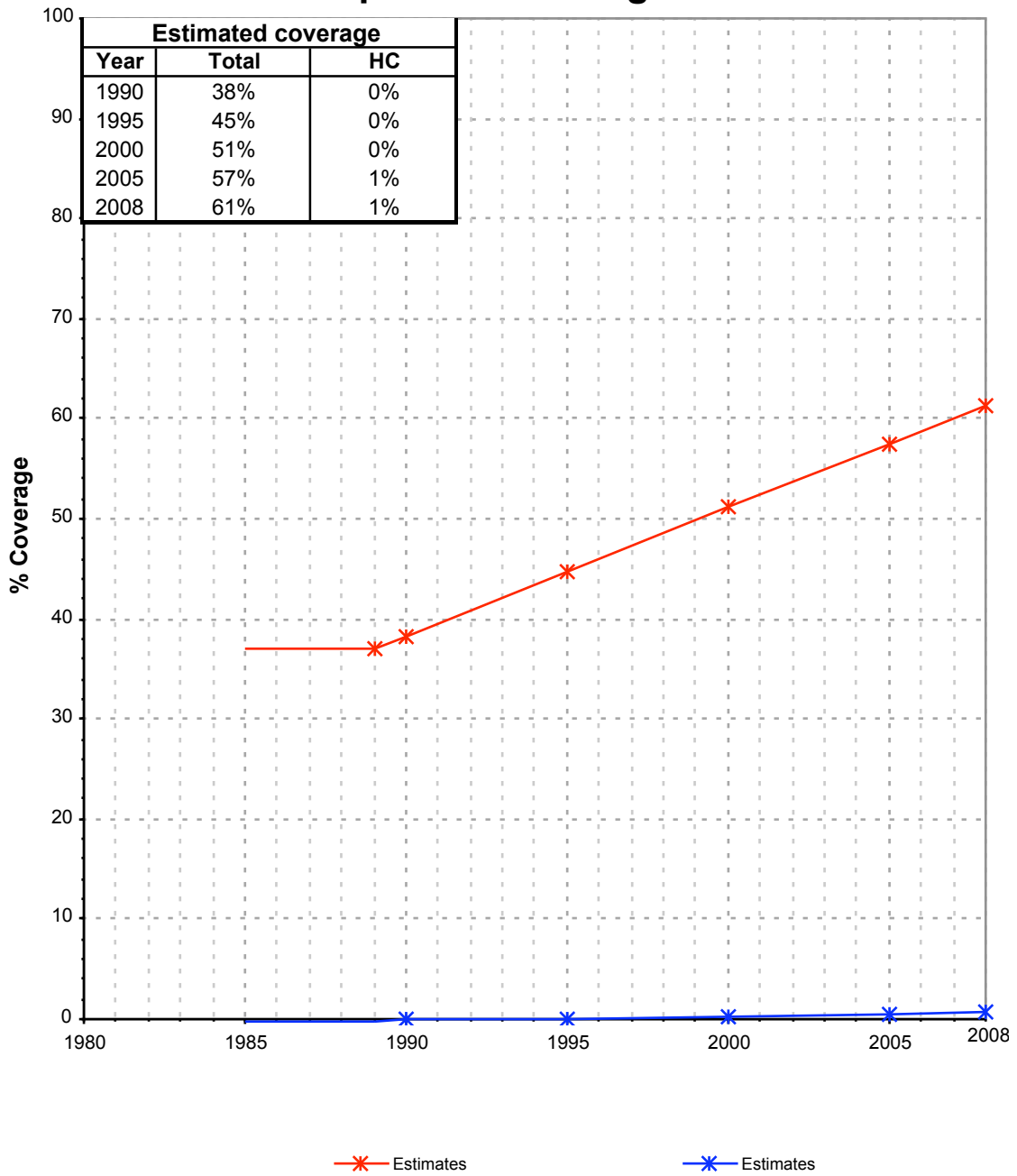
Access to drinking water sources		DHS05			Guinea			Access to drinking water sources		EP91			Guinea		
Demographic and Health Survey								Enquête prioritaire							
					2005			Direction Nationale de la Statistique et de l'informatique					1991		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Tap water	69.0	3.3	21.6		Tap water	51.5	5.0							
	House connections	27.4	1.2	8.6		House connections									
Eau du robinet dans le logement	Piped water into dwelling	15.4	0.5	4.7		Piped water into dwelling									
Eau du robinet dans la cour/concession	Piped water to yard/plot	12.0	0.7	3.9		Piped water to yard/plot									
Eau du robinet d'ailleurs	Public tap, standpipe	40.6	2.1	13.0		Public tap, standpipe									
	Other					Other									
	Ground water	30.4	72.6	60.7		Ground water	37.9	32.5							
	Protected ground water	20.3	48.1	40.3		Protected ground water									
	Unprotected ground water	10.1	24.5	20.4		Unprotected ground water									
	Protected wells or springs	20.3	48.1	40.3		Protected wells or springs									
	Private	4.5	2.1	2.9		Private									
	Public	4.6	4.9	4.8		Public									
	Other					Other									
	Unprotected wells or springs	10.1	24.5	20.4		Unprotected wells or springs									
	Private	4.6	3.7	3.9		Private									
	Public	4.8	8.1	7.2		Public									
	Other					Other									
	All wells	28.6	58.1	49.8		All wells	37.9	32.5							
	Private	9.1	5.8	6.8		Private									
	Public	9.4	13.0	12.0		Public									
	Other					Other									
	All springs	1.8	14.5	10.9		All springs									
	Private					Private									
	Public					Public									
	Other					Other									
Forage	Tubewell, borehole	10.1	39.3	31.0		Tubewell, borehole									
	Private					Private									
	Public					Public									
	Other					Other									
	Traditional wells	18.5	18.8	18.8		Traditional wells									
	Private	8.1	5.8	6.8		Private									
	Public	8.4	13.0	12.0		Public									
	Other					Other									
	Protected well	8.1	7.0	7.7		Protected well									
	Private	4.5	2.1	2.9		Private									
	Public	4.6	4.9	4.8		Public									
	Other					Other									
	Unprotected well	9.4	11.8	11.1		Unprotected well									
	Private	4.6	3.7	3.9		Private									
	Public	4.8	8.1	7.2		Public									
	Other					Other									
	Surface water	1.5	23.8	17.5		Surface water	9.7	60.6							
	River	1.3	23.2	17.0		River									
Fleuve/riviere	Lake					Lake									
	Dam	0.0	0.2	0.2		Dam									
Barrage	Pond	0.2	0.4	0.3		Pond									
Mare,lac	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	Other improved sources					Other improved sources									
	Other					Other									
	Other					Other									
	Other non-improved	0.1	0.0	0.0		Other non-improved	0.9	1.9							
	Cart with small tank/drum					Cart with small tank/drum									
	Tanker truck provided					Tanker truck provided									
Autre source	Other	0.1	0.0	0.0		Other	0.9	1.9							
	Other					Other									
ND	DK/missing	0.1	0.2	0.1		DK/missing									
	Total	100.1	99.9	99.9		Total	100.0	100.0							
Calculations					Calculations										
Estimations					Estimations	Estimated protected wells based on MICS03	33.2	27.8							
						Estimation of springs among surface water, based on DHS99	2.7	4.3							
						HC corrected for "Eau du voisin" based on QUIBB02	20.0	0.1							
Access to improved drinking water sources :		88%	51%	62%	Access to improved drinking water sources :		87%	37%							
Access to house connections :		27%	1%	9%	Access to house connections :		20%	0%							
	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	40%	36%		Ratios	HC / Tap water									
	Public tap / Tap water	60%	64%			Public tap / Tap water									
	Tubewell + protected well / All wells	67%	80%			Tubewell + protected well / All wells									
	Protected wells / Traditional wells	49%	37%			Protected wells / Traditional wells									
	Tubewell / All wells	35%	66%			Tubewell / All wells									
	Protected springs / All springs	61%	12%			Protected springs / All springs									
	Protect. well & spring / well & spring	67%	66%			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										

Guinea			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	DHS92	1992	23.7		87.2		0.2		47.3	
National census	CEN96	1996	21.4		85.7		0.0		39.5	
Multiple Indicator Cluster Survey	MICS96	1996		33.8		69.4		1.0		35.8
Demographic and Health Survey	DHS99	1999	24.7		91.8		0.1		48.8	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		29.0		61.2		0.0		62.0
Multiple Indicator Cluster Survey	MICS03	2003	16.7		92.4		0.1		64.9	
Demographic and Health Survey	DHS05	2005	27.4		88.3		1.2		51.4	
Enquête prioritaire	EP91	1991	20.0		87.4		0.1		37.1	
Questionnaire Unifié sur les Indicateurs de Base de Bien-Etre	QUIBB0 2	2002	28.5		83.9		0.0		52.8	
Enquete Nacional Sur L'etat Nutritionel et le suivi des principeaux indicateur de suivi de l'enfant	ENS07	2007	26.8		87.9		0.7		60.6	

Guinea - urban - Use of improved drinking water sources



Guinea - rural - Use of improved drinking water sources



Drinking Water

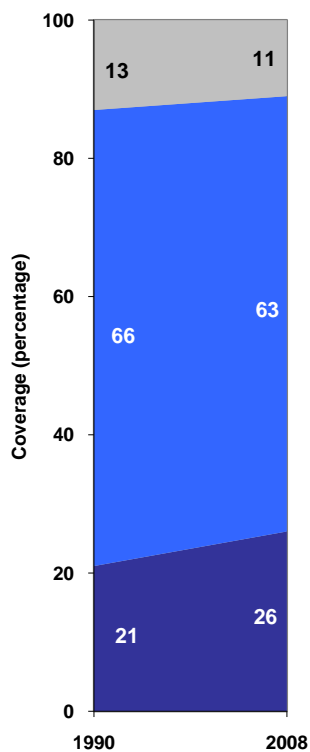
Guinea	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	21	26	0	1	6	10
Other improved source	66	63	38	60	46	61
Unimproved source	13	11	62	39	48	29

Source: WHO/UNICEF JMP, 2010

Guinea	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	1723	3379	4424	6454	6147	9833

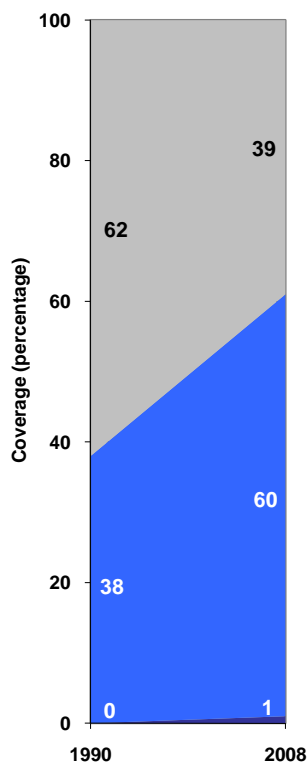
Source: UN / Population Division, 2008

Urban drinking water trends



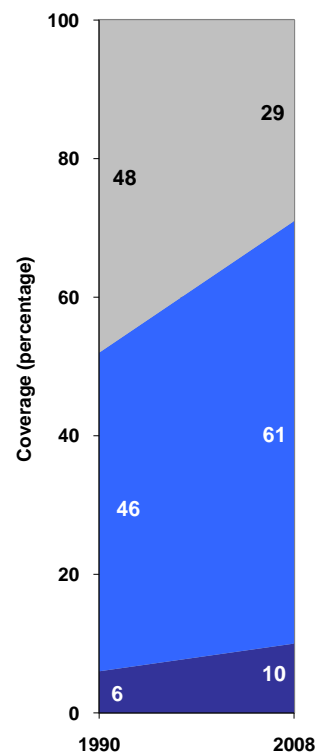
■ Unimproved sources
■ Other improved sources
■ Piped onto premises

Rural drinking water trends



■ Unimproved sources
■ Other improved sources
■ Piped onto premises

Total drinking water trends



■ Unimproved sources
■ Other improved sources
■ Piped onto premises