



WHO / UNICEF

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

Estimates for the use of

**Improved
Drinking-Water Sources**

Updated March 2010

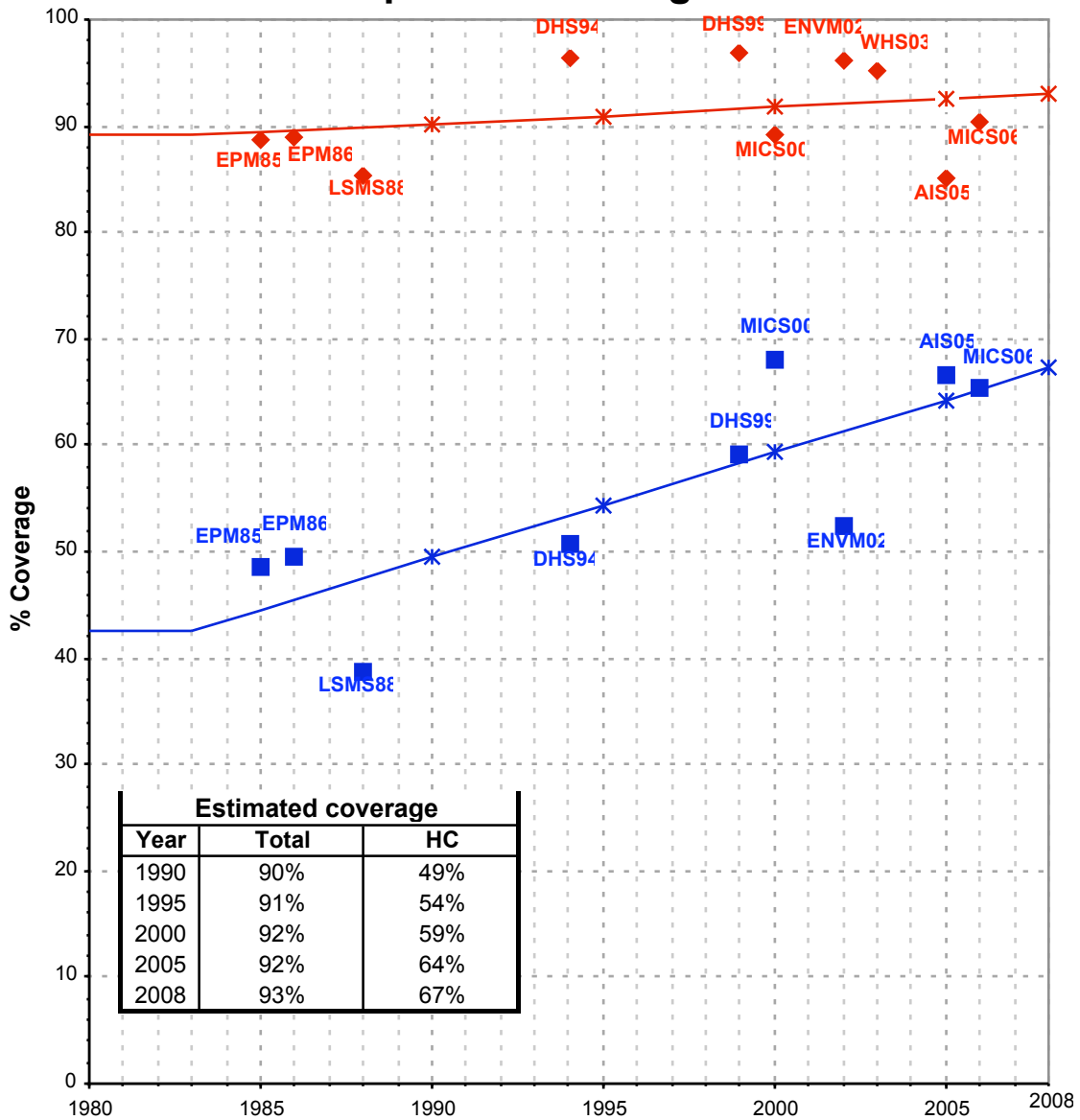
Cote d'Ivoire

Access to drinking water sources		DHS99			Côte d'Ivoire			Access to drinking water sources		JMP99			Côte d'Ivoire		
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						
Robinet dans le logement/cour/parcelle	Tap water	79.1	30.4	51.0	Population served with household connection	Tap water	10.3	1.7							
	House connections	59.2	6.3	28.0		House connections									
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
Robinet public	Public tap, standpipe	19.9	24.1	23.0		Public tap, standpipe									
	Other					Other									
	Ground water	20.6	66.2	47.0	Population without household connection but with reasonable access to a public	Ground water	79.2	86.0							
	Protected ground water					Protected ground water	79.2	86.0							
	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	20.6	57.2	42.0		All wells									
	Private	16.1	26.1	22.0		Private									
	Public	4.5	31.1	20.0		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									
	All springs	0.0	9.0	5.0		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					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	3.2	2.0		Surface water									
Rivière/ruisseau	River	0.0	2.7	2.0		River									
	Lake					Lake									
	Dam					Dam									
Mare/lac/barrage	Pond	0.0	0.5			Pond									
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	Other improved sources					Other improved sources									
	Other					Other									
	Other					Other									
	Other non-improved	0.2	0.0		Total population unserved	Other non-improved	10.5	12.3							
	Cart with small tank/drum					Cart with small tank/drum									
	Tanker truck provided					Tanker truck provided									
Autre	Other	0.2	0.0			Other									
	Other					Other									
	DK/missing					DK/missing									
	Total	99.9	99.8	100.0		Total	100.0	100.0							
Calculations					Calculations										
Estimations	Estimation for protected wells based on MICS 2000	17.8	39.3		Estimations										
	Estimation for protected springs based on MICS 2000	0.0	2.9												
Access to improved drinking water sources :		97%	73%		Access to improved drinking water sources :		90%	88%							
Access to house connections :		59%	6%		Access to house connections :		10%	2%							
Used for the estimates:		Yes	Yes		Used for the estimates:		No	No							
Used for the estimates:		Yes	Yes		Used for the estimates:		No	No							
Ratios	HC / Tap water	75%	21%		Ratios	HC / Tap water	100%	100%							
	Public tap / Tap water	25%	79%			Public tap / Tap water									
	Tubewell + protected well / All wells					Tubewell + protected well / All wells									
	Protected wells / Traditional wells					Protected wells / Traditional wells									
	Tubewell / All wells					Tubewell / All wells									
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring					Protect. well & spring / well & spring									
	Number of people covered by the survey:					Number of people covered by the survey:	3543.13	6493.21							
	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		AIS05			Côte d'Ivoire		Access to drinking water sources		MICS06			Côte d'Ivoire		
AIS							Multiple Indicator Cluster Survey							
		2005					Enquête à Indicateurs Multiples		2006					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total
	Tap water	77.3	35.7			Tap water	72.0	13.3			Tap water	72.0	13.3	
	House connections	66.7	18.8			House connections	65.5	9.1			House connections	65.5	9.1	
Robinet dans le logement/cour/parcelle	Piped water into dwelling	32.1	8.1		Eau de robinet dans le logement	Piped water into dwelling	36.1	3.8			Piped water into dwelling	36.1	3.8	
Robinet dans la cour/concession	Piped water to yard/plot	34.6	10.7		Dans la cour/parcelle	Piped water to yard/plot	29.4	5.3			Piped water to yard/plot	29.4	5.3	
Fontaine public	Public tap, standpipe	10.6	16.9		Robinet public/borne fontaine	Public tap, standpipe	6.5	4.2			Public tap, standpipe	6.5	4.2	
	Other					Other					Other			
	Ground water	22.2	58.2			Ground water	23.9	72.7			Ground water	23.9	72.7	
	Protected ground water	7.9	20.6			Protected ground water	18.3	51.8			Protected ground water	18.3	51.8	
	Unprotected ground water	14.3	37.6			Unprotected ground water	5.6	20.9			Unprotected ground water	5.6	20.9	
	Protected wells or springs	7.9	20.6	0.0		Protected wells or springs	18.3	51.8	0.0		Protected wells or springs	18.3	51.8	0.0
	Private	4.5	6.0			Private					Private			
	Public	3.3	12.3			Public					Public			
	Other					Other					Other			
	Unprotected wells or springs	14.3	37.6	0.0		Unprotected wells or springs	5.6	20.9	0.0		Unprotected wells or springs	5.6	20.9	0.0
	Private	10.1	17.1			Private					Private			
	Public	4.0	15.2			Public					Public			
	Other					Other					Other			
	All wells	21.9	50.6	0.0		All wells	23.7	69.8			All wells	23.7	69.8	
	Private	14.6	23.1			Private					Private			
	Public	7.3	27.5			Public					Public			
	Other					Other					Other			
	Tubewell, borehole				Puits a pompe/forage	Tubewell, borehole	0.9	28.9			Tubewell, borehole	0.9	28.9	
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Traditional wells	21.9	50.6	0.0		Traditional wells	22.8	40.9			Traditional wells	22.8	40.9	
	Private	14.6	23.1			Private					Private			
	Public	7.3	27.5			Public					Public			
	Other					Other					Other			
	Protected well	7.8	18.3	0.0	Puits protégé	Protected well	17.3	22.0			Protected well	17.3	22.0	
	Private	4.5	6.0			Private					Private			
Puits protégé dans le logement/cour/parcelle	Public	3.3	12.3			Public					Public			
Puits public protégé	Other					Other					Other			
	Unprotected well	14.1	32.3	0.0	Puits non protégé	Unprotected well	5.5	18.9			Unprotected well	5.5	18.9	
	Private	10.1	17.1			Private					Private			
Puits ouverts dans le logement / cour	Public	4.0	15.2			Public					Public			
Puits public ouvert	Other					Other					Other			
	All springs	0.3	7.6			All springs	0.2	2.9			All springs	0.2	2.9	
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Protected spring	0.1	2.3		Source aménagée	Protected spring	0.1	0.9			Protected spring	0.1	0.9	
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Unprotected spring	0.2	5.3		Source non aménagée	Unprotected spring	0.1	2.0			Unprotected spring	0.1	2.0	
	Private					Private					Private			
	Public					Public					Public			
	Other					Other					Other			
	Rainwater					Rainwater	0.0	0.0			Rainwater	0.0	0.0	
	Covered cistern/tank				Eau de pluie	Covered cistern/tank	0.0	0.0			Covered cistern/tank	0.0	0.0	
	Uncovered cistern/tank					Uncovered cistern/tank					Uncovered cistern/tank			
	Bottled water	0.2	0.1			Bottled water	0.0	0.0			Bottled water	0.0	0.0	
	with other improved					with other improved					with other improved			
Eau en bouteille/autre	without other improved	0.2	0.1		Eau en bouteille/minérale	without other improved	0.0	0.0			without other improved	0.0	0.0	
Rivière/fleuve/mare/lac	Surface water	0.5	5.7		Eau de surface	Surface water	1.8	13.8			Surface water	1.8	13.8	
	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					Other non-improved	2.2	0.1			Other non-improved	2.2	0.1	
	Cart with small tank/drum				Charrette avec petite citerne/tonneau	Cart with small tank/drum	0.0	0.0			Cart with small tank/drum	0.0	0.0	
	Tanker truck provided				Camion citerne/vendeur d'eau	Tanker truck provided	2.1	0.1			Tanker truck provided	2.1	0.1	
	Other				Autre	Other	0.1	0.0			Other	0.1	0.0	
	Other					Other					Other			
ND	DK/missing	0.1	0.2			DK/missing					DK/missing			
	Total	100.3	99.9			Total	99.9	99.9			Total	99.9	99.9	
Calculations					Calculations					Calculations				
Estimations					Estimations					Estimations				
Access to improved drinking water sources :		85%	56%		Access to improved drinking water sources :		90%	65%		Access to improved drinking water sources :		90%	65%	
Access to house connections :		67%	19%		Access to house connections :		66%	9%		Access to house connections :		66%	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		Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes	
Ratios	HC / Tap water	86%	53%		Ratios	HC / Tap water	91%	68%		Ratios	HC / Tap water	91%	68%	
	Public tap / Tap water	14%	47%			Public tap / Tap water	9%	32%			Public tap / Tap water	9%	32%	
	Tubewell + protected well / All wells	36%	36%			Tubewell + protected well / All wells	77%	73%			Tubewell + protected well / All wells	77%	73%	
	Protected wells / Traditional wells	33%	30%			Protected wells / Traditional wells	76%	54%			Protected wells / Traditional wells	76%	54%	
	Tubewell / All wells	33%	30%			Tubewell / All wells	4%	41%			Tubewell / All wells	4%	41%	
	Protected springs / All springs	36%	35%			Protected springs / All springs	50%	31%			Protected springs / All springs	50%	31%	
	Protect. well & spring / well & spring	1%	13%			Protect. well & spring / well & spring	77%	71%			Protect. well & spring / well & spring	77%	71%	
Springs/Groundwater				Springs/Groundwater				Springs/Groundwater						
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				

Côte d'Ivoire			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
Enquete permanente aupres des menages	EPM85	1985	48.6		88.6		4.1		68.1	
Enquete permanente aupres des menages	EPM86	1986	49.5		89.0		3.3		62.3	
Living Standarts Measurement Survey	LSMS88	1988	38.6		85.5		4.6		65.0	
Demographic and Health Survey	DHS94	1994	50.8		96.5		4.1		65.2	
Demographic and Health Survey	DHS99	1999	59.2		96.9		6.3		72.6	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		10.3		89.5		1.7		87.7
Multiple Indicator Cluster Survey	MICS00	2000	68.1		89.1		10.2		74.1	
World Health Survey	WHS03	2003		42.2	95.2		14.4			87.8
AIS	AIS05	2005	66.7		85.2		18.8		56.3	
Multiple Indicator Cluster Survey	MICS06	2006	65.5		90.3		9.1		65.1	
ENQUETE NIVEAU DE VIE DES MENAGES	ENVM02	2002	52.3		96.0		9.3		74.2	

Côte d'Ivoire - urban - Use of improved drinking water sources



Total improved access

Household connections (HC)

◆ Used for the estimates ■ Used for the estimates * Estimates * Estimates

Côte d'Ivoire - rural - Use of improved drinking water sources

