

**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		MICS96			Egypt			Access to drinking water sources		JMP99			Egypt		
Multiple Indicator Cluster Survey					1996			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
	<b>Tap water</b>								<b>Tap water</b>				87.7	39.8	
	House connections							Population served with household connection				87.7	39.8		
	Piped water into dwelling							Unprotected ground water							
	Piped water to yard/plot							Protected wells or springs							
	Public tap, standpipe							Private							
	Other							Public							
	Other							Other							
	<b>Ground water</b>							<b>Ground water</b>				8.0	30.9		
	Protected ground water							Population without household connection but with accessible access to a public				8.0	30.9		
	Unprotected ground water							Protected ground water							
	Protected wells or springs							Unprotected ground water							
	Private							Protected wells or springs							
	Public							Private							
	Other							Public							
	Other							Other							
	Unprotected wells or springs							Unprotected wells or springs							
	Private							Private							
	Public							Public							
	Other							Other							
	<b>All wells</b>							<b>All wells</b>							
	Private							Private							
	Public							Public							
	Other							Other							
	Tubewell, borehole							Tubewell, borehole							
	Private							Private							
	Public							Public							
	Other							Other							
	<b>Traditional wells</b>							<b>Traditional wells</b>							
	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							
	<b>All springs</b>							<b>All springs</b>							
	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							
	<b>Rainwater</b>							<b>Rainwater</b>							
	Covered cistern/tank							Covered cistern/tank							
	Uncovered cistern/tank							Uncovered cistern/tank							
	<b>Bottled water</b>							<b>Bottled water</b>							
	with other improved							with other improved							
	without other improved							without other improved							
	<b>Surface water</b>							<b>Surface water</b>							
	River							River							
	Lake							Lake							
	Dam							Dam							
	Pond							Pond							
	Stream							Stream							
	Irrigation channel							Irrigation channel							
	Other							Other							
	Piped connection or access to a public tap				97.2	77.2		Other improved sources							
	Other							Other							
	Other							Other							
	<b>Other non-improved</b>							Total population unserved				4.3	29.3		
	Cart with small tank/drum							Cart with small tank/drum							
	Tanker truck provided							Tanker truck provided							
	Other							Other							
	Other							Other							
	<b>DK/missing</b>							<b>DK/missing</b>							
	Total							Total				100.0	100.0		
Calculations								Calculations							
Estimations								Estimations							
<b>Access to improved drinking water sources :</b>				97%	77%		<b>Access to improved drinking water sources :</b>				96%	71%			
<b>Access to house connections :</b>							<b>Access to house connections :</b>				88%	40%			
Used for the estimates:				No	No		Used for the estimates:				No	No			
Used for the estimates:				No	No		Used for the estimates:				No	No			
Ratios	HC / Tap water							HC / Tap water				100%	100%		
	Public tap / Tap water							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:				25470	33801			
Number of households covered by the survey:							Number of households covered by the survey:								
Total population:							Total population:								
Comments	* these are underestimates compared to other data because in general a wide definition of "improved drinking water source" was used						Comments								

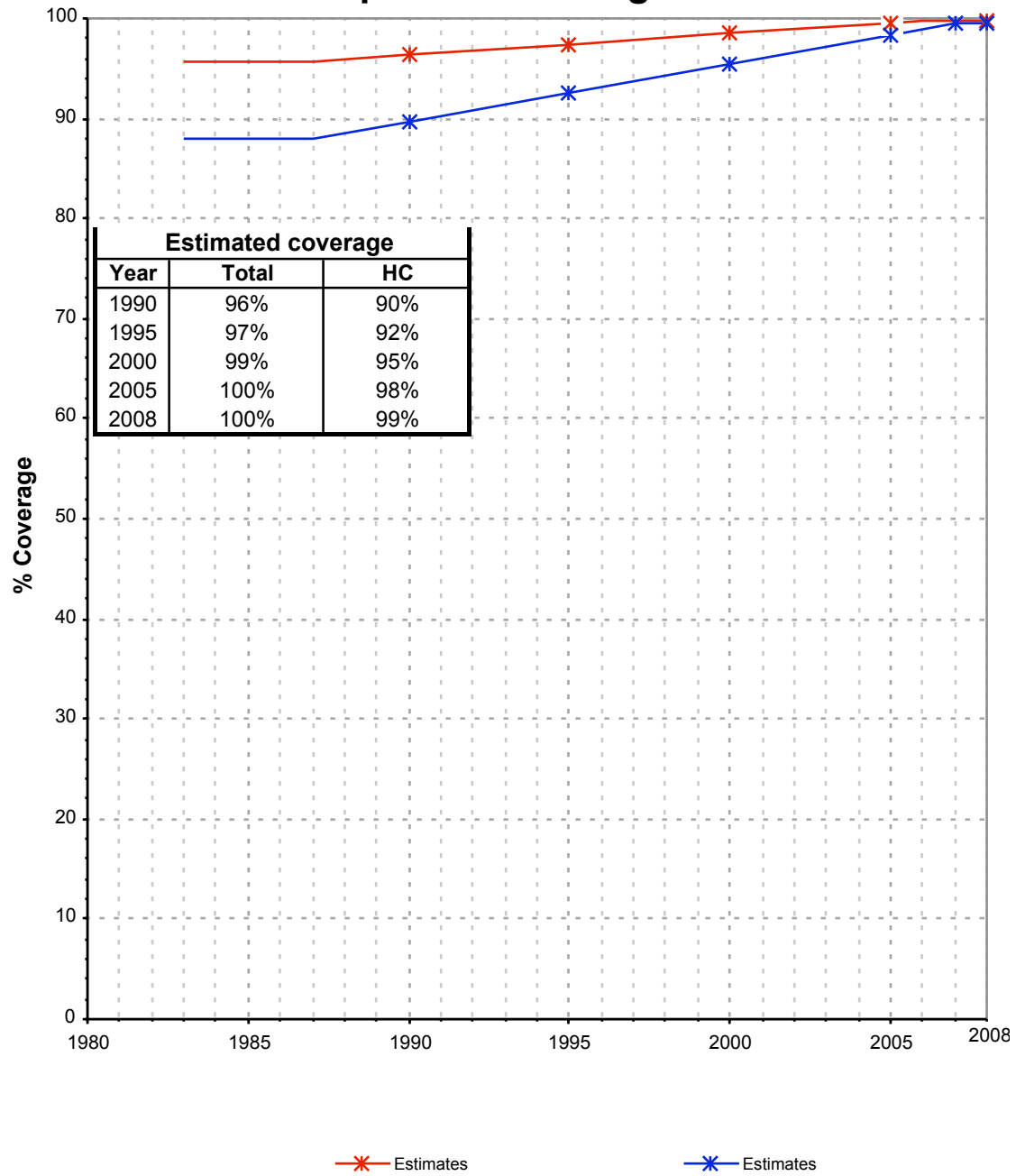
Access to drinking water sources		DHS00			Egypt			Access to drinking water sources		DHS03			Egypt		
Demographic and Health Survey					2000			Demographic and Health Survey					2003		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Piped water- residence	<b>Tap water</b>	99.0	75.9	87.3	Piped water- residence	<b>Tap water</b>	99.8	80.0	89.9						
	House connections	97.0	64.9	80.8		House connections	98.6	73.6	86.1						
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
Public tap	Public tap, standpipe	2.0	11.0	6.5	Public tap	Public tap, standpipe	1.2	6.4	3.8						
	Other					Other									
	<b>Ground water</b>	0.3	22.5	11.6		<b>Ground water</b>	0.3	17.3	8.8						
	Protected ground water	0.2	20.0	10.2		Protected ground water	0.2	16.0	8.1						
	Unprotected ground water	0.1	2.5	1.4		Unprotected ground water	0.1	1.3	0.7						
	Protected wells or springs	0.2	20.0	10.2		Protected wells or springs	0.2	16.0	8.1						
	Private	0.1	13.1	6.7		Private									
	Public	0.1	6.9	3.5		Public									
	Other					Other									
	Unprotected wells or springs	0.1	2.5	1.4		Unprotected wells or springs	0.1	1.3	0.7						
	Private	0.0	1.3	0.7		Private									
	Public	0.1	1.2	0.7		Public									
	Other					Other									
	<b>All wells</b>	0.3	22.5	11.6		<b>All wells</b>	0.3	17.3	8.8						
	Private	0.1	14.4	7.4		Private									
	Public	0.2	8.1	4.2		Public									
	Other					Other									
	Tubewell, borehole					Tubewell, borehole									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>Traditional wells</b>	0.3	22.5	11.6		<b>Traditional wells</b>	0.3	17.3	8.8						
	Private	0.1	14.4	7.4		Private									
	Public	0.2	8.1	4.2		Public									
	Other					Other									
	Protected well	0.2	20.0	10.2	Covered well	Protected well	0.2	16.0	8.1						
	Private	0.1	13.1	6.7		Private									
	Public	0.1	6.9	3.5		Public									
	Other					Other									
Covered well in residence/ plot	Unprotected well	0.1	2.5	1.4	Open well	Unprotected well	0.1	1.3	0.7						
Covered public well	Private	0.0	1.3	0.7		Private									
	Public	0.1	1.2	0.7		Public									
	Other					Other									
	<b>All springs</b>					<b>All springs</b>									
	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									
	<b>Rainwater</b>					<b>Rainwater</b>									
	Covered cistern/tank					Covered cistern/tank									
	Uncovered cistern/tank					Uncovered cistern/tank									
	<b>Bottled water</b>	0.2	0.0	0.1		<b>Bottled water</b>									
	with other improved					with other improved									
Purchased bottled water	without other improved	0.2	0.0	0.1		without other improved									
Surface water	<b>Surface water</b>	0.0	0.1	0.0	Nile/Canals	<b>Surface water</b>	0.0	0.0	0.0						
	River					River									
	Lake					Lake									
	Dam					Dam									
	Pond					Pond									
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	<b>Other improved sources</b>					<b>Other improved sources</b>									
	Other					Other									
	Other					Other									
	<b>Other non-improved</b>	0.3	1.5	0.9		<b>Other non-improved</b>	0.0	2.7	1.3						
	Cart with small tank/drum					Cart with small tank/drum									
Purchased water from truck	Tanker truck provided	0.3	1.5	0.9	Other	Tanker truck provided									
	Other					Other	0.0	2.7	1.3						
	Other					Other									
	<b>DK/missing</b>					<b>DK/missing</b>									
	<b>Total</b>	99.8	100.0	99.9		<b>Total</b>	100.1	100.0	100.0						
Calculations					Calculations										
Estimations					Estimations										
<b>Access to improved drinking water sources : 99% 96% 98%</b>					<b>Access to improved drinking water sources : 100% 96% 98%</b>										
<b>Access to house connections : 97% 65% 81%</b>					<b>Access to house connections : 99% 74% 86%</b>										
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	98%	86%		Ratios	HC / Tap water	99%	92%							
	Public tap / Tap water	2%	14%			Public tap / Tap water	1%	8%							
	Tubewell + protected well / All wells	67%	89%			Tubewell + protected well / All wells	67%	92%							
	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	67%	89%			Protect. well & spring / well & spring	67%	92%							
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										



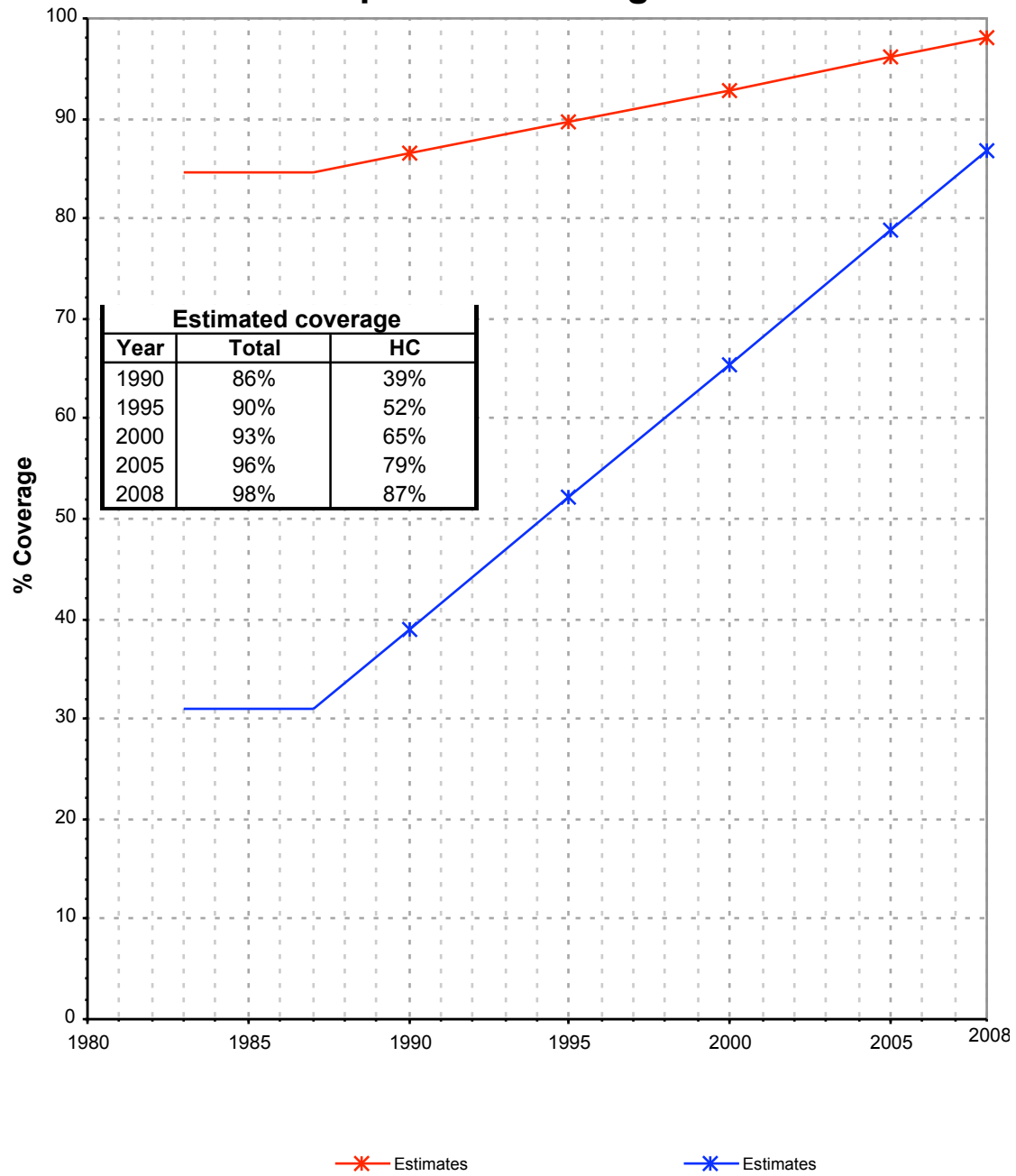
Access to drinking water sources		EIS97		Egypt	
Egypt Indepth Study				1997	
Original denomination	Classification	Urban	Rural	Total	
Piped	<b>Tap water</b>	91.8	61.1		
	House connections				
	Piped water into dwelling				
	Piped water to yard/plot				
	Public tap, standpipe				
	Other				
	<b>Ground water</b>	3.9	35.0		
	Protected ground water				
	Unprotected ground water				
	Protected wells or springs				
	Private				
	Public				
	Other				
	Unprotected wells or springs				
	Private				
	Public				
	Other				
Well	<b>All wells</b>	3.9	35.0		
	Private				
	Public				
	Other				
	Tubewell, borehole				
	Private				
	Public				
	Other				
	<b>Traditional wells</b>				
	Private				
	Public				
	Other				
	Protected well				
	Private				
	Public				
	Other				
	Unprotected well				
	Private				
	Public				
	Other				
	<b>All springs</b>				
	Private				
	Public				
	Other				
	Protected spring				
	Private				
	Public				
	Other				
	Unprotected spring				
	Private				
	Public				
	Other				
	<b>Rainwater</b>				
	Covered cistern/tank				
	Uncovered cistern/tank				
	<b>Bottled water</b>				
	with other improved				
	without other improved				
	<b>Surface water</b>				
	River				
	Lake				
	Dam				
	Pond				
	Stream				
	Irrigation channel				
	Other				
	<b>Other improved sources</b>				
	Other				
	Other				
	<b>Other non-improved</b>	0.3	4.0		
	Cart with small tank/drum				
	Tanker truck provided				
Other	Other	0.3	4.0		
	Other				
	<b>DK/missing</b>				
	<b>Total</b>	96.0	100.1		
<b>Calculations</b>					
<b>Estimations</b>	Traditional wells being improved, based on DHS0	2.6	23.3		
	HC, based on DHS92	87.9	46.8		
<b>Access to improved drinking water sources :</b>		<b>94%</b>	<b>84%</b>		
<b>Access to house connections :</b>		<b>88%</b>	<b>47%</b>		
Used for the estimates:		No	No		
Used for the estimates:		No	No		
<b>Ratios</b>	HC / Tap water				
	Public tap / Tap water				
	Tubewell + protected well / All wells				
	Protected wells / Traditional wells				
	Tubewell / All wells				
	Protected springs / All springs				
	Protect. well & spring / well & spring				
	Number of people covered by the survey:				
	Number of households covered by the survey:				
	Total population:				
<b>Comments</b>					

Egypt			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	DHS89	1989	87.2		94.7		39.2		91.8	
Demographic and Health Survey	DHS92	1992	91.8		98.2		44.9		81.4	
Demographic and Health Survey	DHS95	1995	92.4		97.2		53.2		86.4	
Census	CEN96	1996	93.0			99.5	47.7			82.3
Multiple Indicator Cluster Survey	MICS96	1996				97.2				77.2
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		87.7		95.7		39.8		70.7
Demographic and Health Survey	DHS00	2000	97.0		99.2		64.9		95.9	
Demographic and Health Survey	DHS03	2003	98.6		100.0		73.6		96.0	
Demographic and Health Survey	DHS05	2005	98.0		99.1		82.2		97.0	
	DHS08	2008	98.0		99.4		86.3		96.7	
Egypt Indepth Study	EIS97	1997		87.9		94.4		46.8		84.4

## Egypt - urban - Use of improved drinking water sources



# Egypt - rural - Use of improved drinking water sources



# Drinking Water

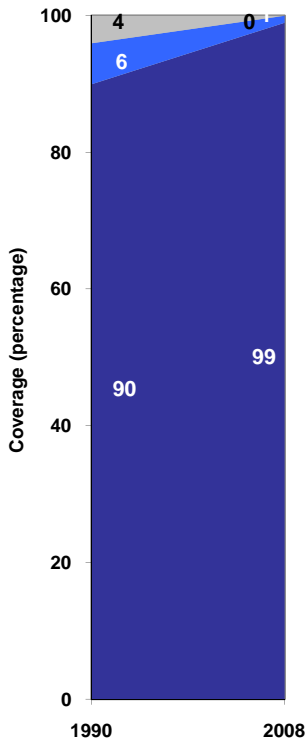
Egypt	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	90	99	39	87	61	92
Other improved source	6	1	47	11	29	7
Unimproved source	4	0	14	2	10	1

Source: WHO/UNICEF JMP, 2010

Egypt	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	25124	34786	32661	46741	57785	81527

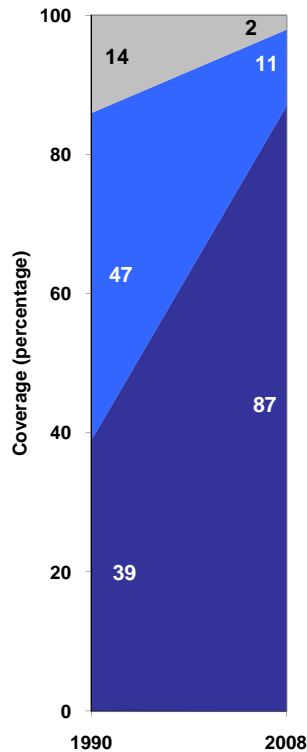
Source: UN / Population Division, 2008

Urban drinking water trends



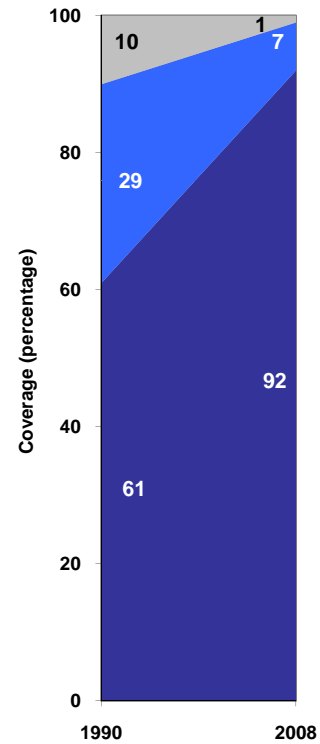
- Unimproved sources
- Other improved sources
- Piped onto premises

Rural drinking water trends



- Unimproved sources
- Other improved sources
- Piped onto premises

Total drinking water trends



- Unimproved sources
- Other improved sources
- Piped onto premises