

**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](http://childinfo.org)

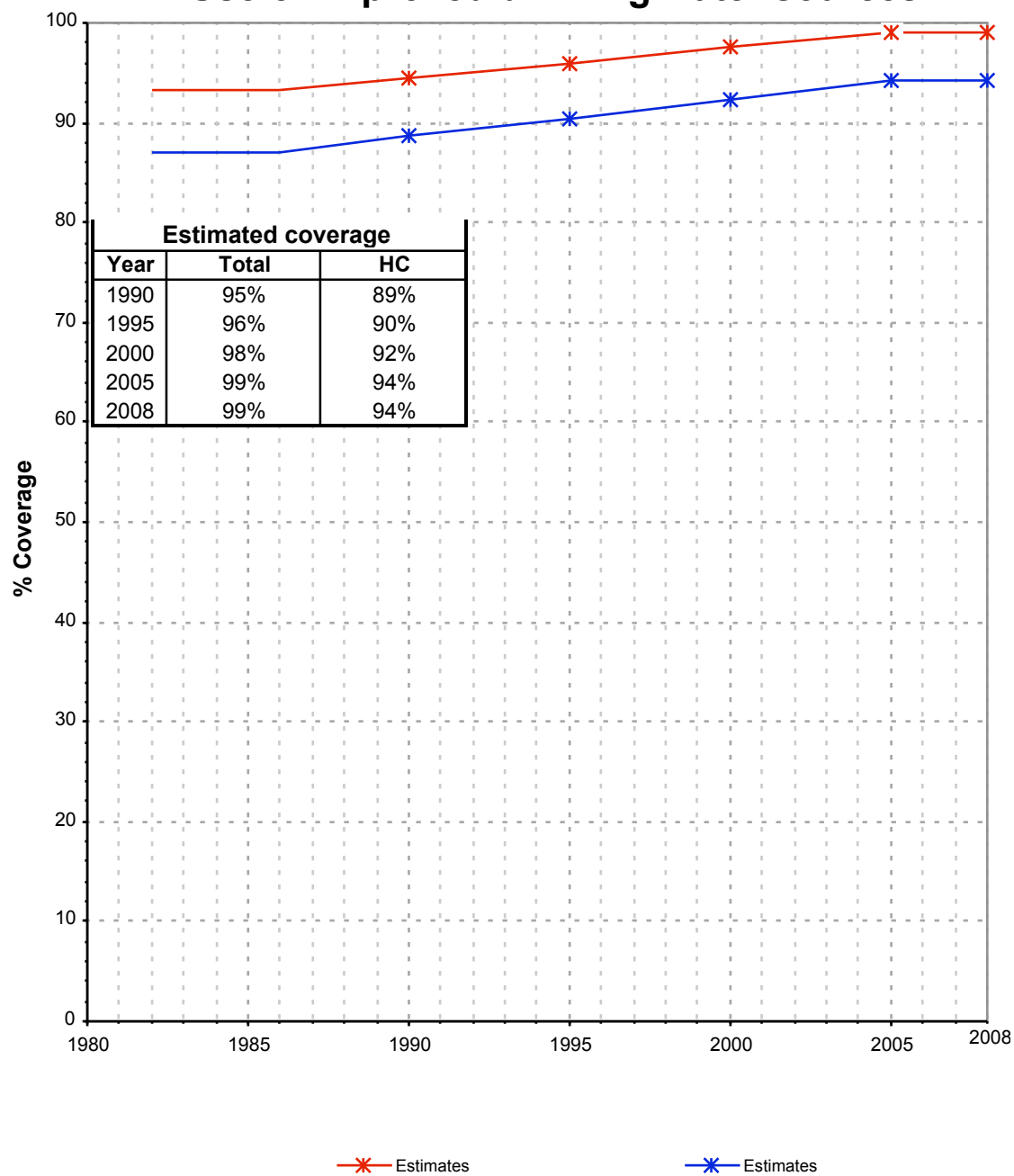
Access to drinking water sources		DHS88		Tunisia	
Demographic and Health Survey					
Domestic and Household Survey				1988	
Original denomination	Classification	Urban	Rural	Total	
	<b>Tap water</b>	3.4	15.5		
	House connections				
	Piped water into dwelling				
	Piped water to yard/plot				
Standpipe	Public tap, standpipe	3.4	15.5		
	Other				
	<b>Ground water</b>	91.5	72.5		
	Protected ground water	85.2	17.5		
	Unprotected ground water				
	Protected wells or springs	85.2	17.5		
	Private				
	Public				
	Other				
	Unprotected wells or springs	0.0			
	Private				
	Public				
	Other				
	<b>All wells</b>	90.2	52.2		
	Private				
	Public	5.0	34.7		
	Other				
Drilled Well	Tubewell, borehole	85.2	17.5		
	Private				
	Public				
	Other				
	<b>Traditional wells</b>	5.0	34.7		
	Private				
	Public	5.0	34.7		
	Other				
	Protected well				
	Private				
	Public				
	Other				
	Unprotected well				
	Private				
	Public				
	Other				
Spring	<b>All springs</b>	1.3	20.2		
	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>	0.1	1.6		
	River				
	Lake				
	Dam				
Pond	Pond	0.1	1.6		
	Stream				
	Irrigation channel				
	Other				
	<b>Other improved sources</b>	2.7	8.5		
Public/Private Tank	Other	2.7	8.5		
	Other				
	<b>Other non-improved</b>	2.3	1.9		
	Cart with small tank/drum				
	Tanker truck provided				
Other	Other	2.3	1.9		
	Other				
	<b>DK/missing</b>				
	<b>Total</b>	100.0	100.0		
<b>Calculations</b>					
<b>Estimations</b>	protected wells estimated based on MICS00	1.1	10.6		
	50% of springs considered improved	0.7	10.1		
	HC, based on MICS00	86.2	26.2		
<b>Access to improved drinking water sources :</b>		<b>93%</b>	<b>62%</b>		
<b>Access to house connections :</b>		<b>86%</b>	<b>26%</b>		
Used for the estimates.		Yes	Yes		
Used for the estimates.		Yes	Yes		
<b>Ratios</b>	HC / Tap water				
	Public tap / Tap water	100%	100%		
	Tubewell + protected well / All wells				
	Protected wells / Traditional wells				
	Tubewell / All wells	94%	34%		
	Protected springs / All springs				
	Protect. well & spring / well & spring	100%			
	Springs/Groundwater	1%	28%		
	Number of people covered by the survey:				
	Number of households covered by the survey:				
	Total population:				
<b>Comments</b>					

Access to drinking water sources		CEN94			Tunisia			Access to drinking water sources		MICS00			Tunisia		
Recensement general de la population et de l'habitat					Multiple Indicator Cluster Survey										
Institut National de la Statistique. (CRING 1996)					1994					2000					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Eau courante	<b>Tap water</b>	94.3	24.1	69.1		<b>Tap water</b>	92.0	52.9							
	House connections					House connections	91.3	33.2							
	Piped water into dwelling				Eau courante maison	Piped water into dwelling	90.5	28.7							
	Piped water to yard/plot				Eau courante dehors	Piped water to yard/plot	0.9	4.5							
	Public tap, standpipe				Robinet pub	Public tap, standpipe	0.7	19.7							
	Other					Other									
Source	<b>Ground water</b>	5.3	75.9	30.9		<b>Ground water</b>	0.8	15.4							
	Protected ground water					Protected ground water	0.2	4.7							
	Unprotected ground water					Unprotected ground water	0.6	10.7							
	Protected wells or springs					Protected wells or springs	0.2	4.7	0.0						
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected wells or springs					Unprotected wells or springs	0.6	10.7	0.0						
	Private					Private									
	Public					Public									
	Other					Other									
	<b>All wells</b>					<b>All wells</b>	0.8	15.4							
	Private					Private									
	Public					Public									
	Other					Other									
	Tubewell, borehole					Tubewell, borehole									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>Traditional wells</b>					<b>Traditional wells</b>	0.8	15.4							
	Private					Private									
	Public					Public									
	Other					Other									
	Protected well				Puit protégé	Protected well	0.2	4.7							
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected well				Puit non prot	Unprotected well	0.6	10.7							
	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									
	<b>Other improved sources</b>					<b>Other improved sources</b>	6.5	21.3							
	Other				Citerne	Other	6.3	15.7							
	Other				Citerne metal	Other	0.2	5.6							
	<b>Other non-improved</b>					<b>Other non-improved</b>	0.6	10.4							
	Cart with small tank/drum					Cart with small tank/drum									
	Tanker truck provided					Tanker truck provided									
	Other				Autre	Other	0.6	10.4							
	Other					Other									
Non declares	<b>DK/missing</b>	0.0	0.0	0.0	Manquant/DK	<b>DK/missing</b>	0.1	0.1							
	<b>Total</b>	99.6	100.0	100.0		<b>Total</b>	100.0	100.0							
<b>Calculations</b>					<b>Calculations</b>										
	Standpipe, based on MICS00	0.7	9.0												
	Protected wells, based on DHS88	2.6	27.4												
	Protected springs based on DHS88	0.0	10.6												
<b>Estimations</b>					<b>Estimations</b>										
	50% of groundwater considered improved	2.7	38.0												
	HC, based on MICS00	93.6	15.1												
<b>Access to improved drinking water sources :</b>		<b>97%</b>	<b>62%</b>		<b>Access to improved drinking water sources :</b>		<b>99%</b>	<b>79%</b>							
<b>Access to house connections :</b>		<b>94%</b>	<b>15%</b>		<b>Access to house connections :</b>		<b>91%</b>	<b>33%</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							
<b>Ratios</b>	HC / Tap water				<b>Ratios</b>	HC / Tap water	99%	63%							
	Public tap / Tap water					Public tap / Tap water	1%	37%							
	Tubewell + protected well / All wells					Tubewell + protected well / All wells	23%	31%							
	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	23%	31%							
Number of people covered by the census:					Number of people covered by the survey:										
Number of households covered by the census:					Number of households covered by the survey:										
Total population:					Total population:										
<b>Comments</b>					<b>Comments</b>										

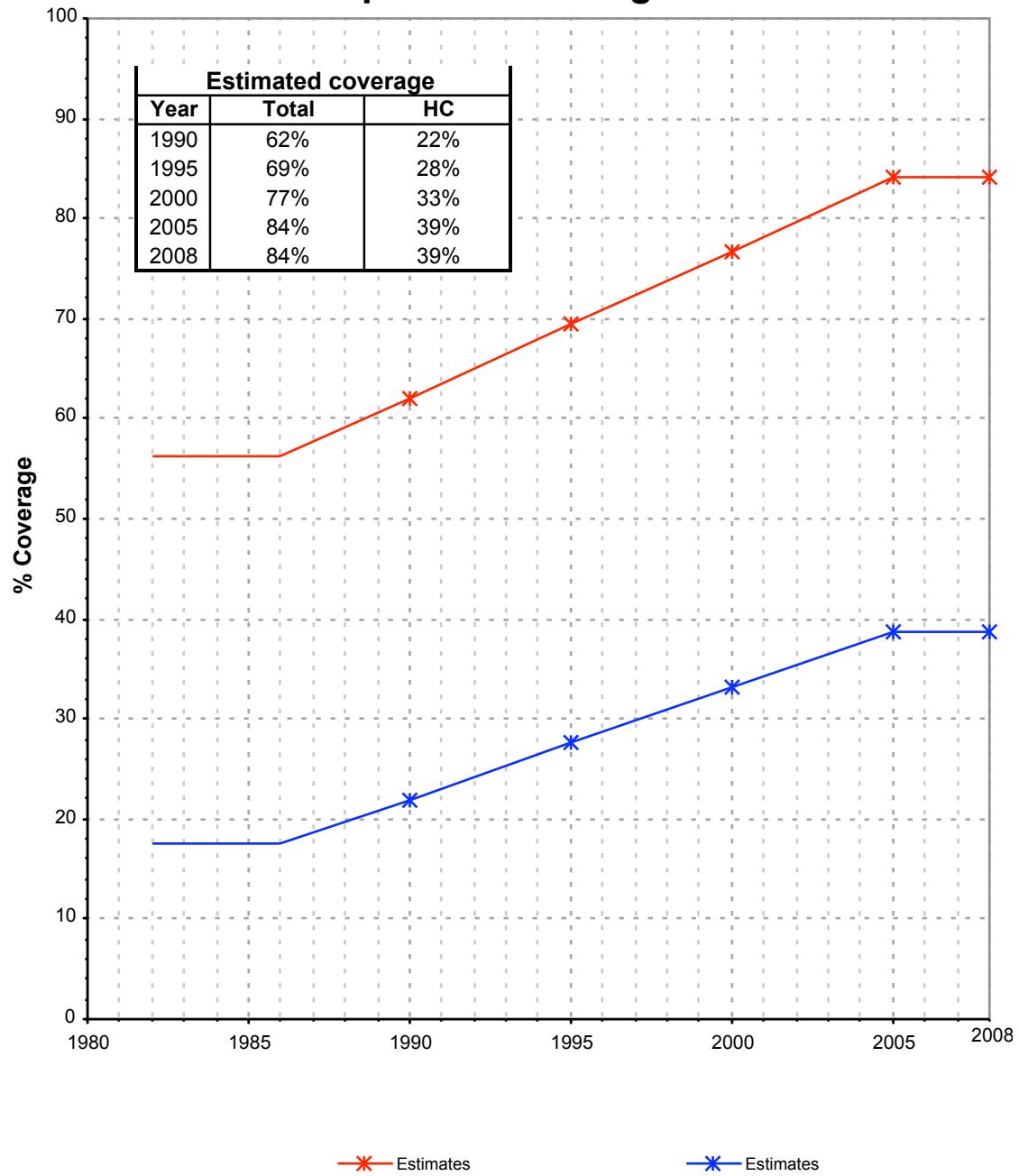


Tunisia			DRINKING WATER							
			URBAN				RURAL			
			House connection		Total		House connection		Total	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Demographic and Health Survey	DHS88	1988	86.2		93.1		26.2		62.3	
Recensement general de la population et de l'habitat	CEN94	1994	93.6		97.0		15.1		62.1	
Multiple Indicator Cluster Survey	MICS00	2000	91.3		98.7		33.2		78.9	
Pan Arab Project for Family Health	PAPFAM 02	2002	90.2		95.7		39.8		79.6	
World Health Survey	WHS03	2003	95.6		99.4		36.6		81.9	

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



## Tunisia - rural - Use of improved drinking water sources



# Drinking Water

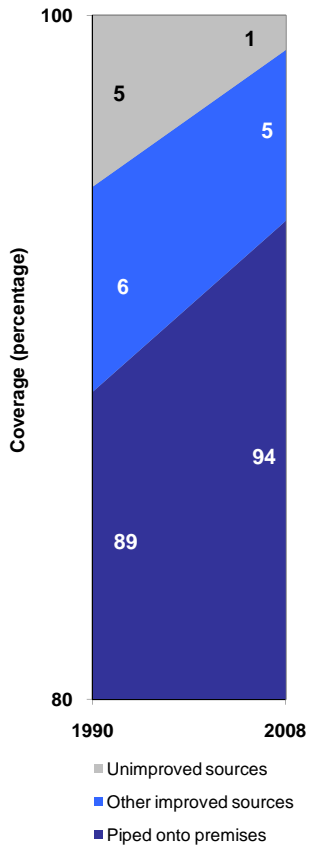
Tunisia	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	89	94	22	39	61	76
Other improved source	6	5	40	45	20	18
Unimproved source	5	1	38	16	19	6

Source: WHO/UNICEF JMP, 2010

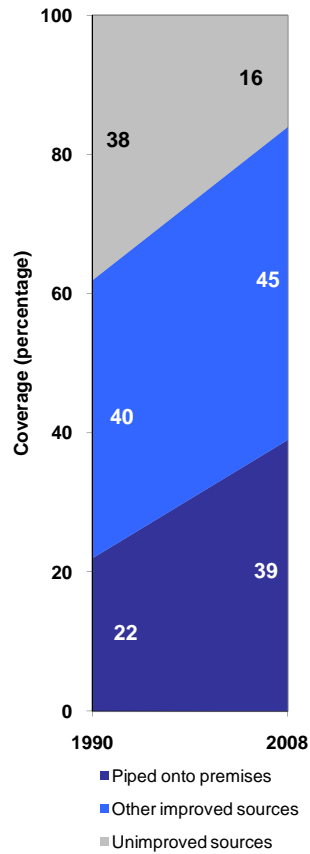
Tunisia	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	4760	6763	3455	3406	8215	10169

Source: UN / Population Division, 2008

Urban drinking water trends



Rural drinking water trends



Total drinking water trends

