

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

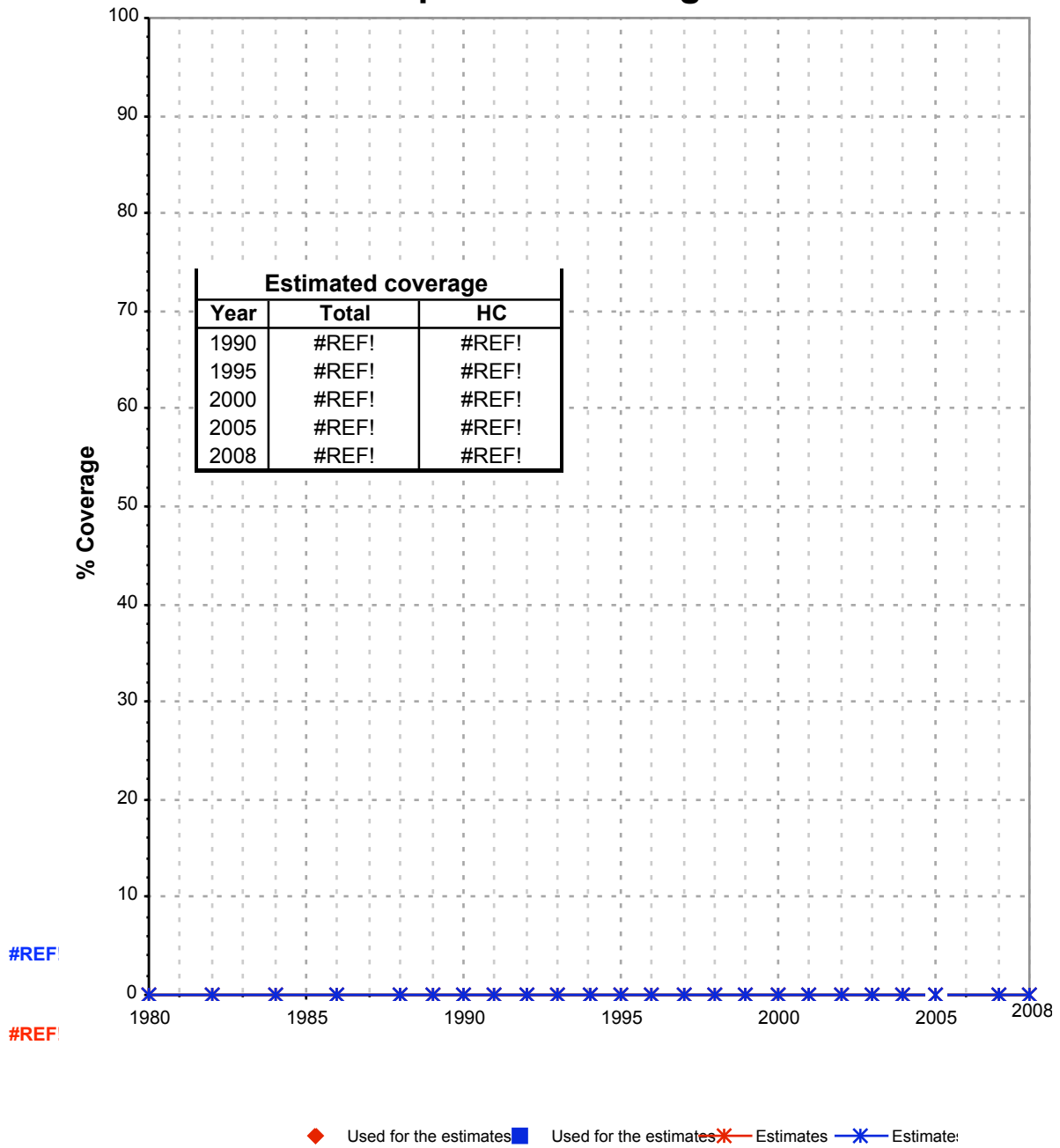
Access to drinking water sources		JMP99			Sri Lanka			Access to drinking water sources		DHS00			Sri Lanka		
Global Water Supply and Sanitation Assessment 2000.					Demographic and Health Survey					Preliminary Report					
Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1999					2000					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Population served with household connection	Tap water	66.8	12.6		Tap within unit/premises	Tap water	76.1	11.4							
	House connections	66.8	12.6			House connections	35.5	3.6							
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
	Public tap, standpipe					Public tap, standpipe	40.6	7.8							
	Other					Other									
	Ground water	23.8	67.8			Ground water	22.4	71.8							
	Protected ground water	23.8	67.8			Protected ground water	21.7	68.8							
	Unprotected ground water					Unprotected ground water	0.7	13.0							
	Protected wells or springs					Protected wells or springs	21.7	68.8	0.0						
	Private				Private	13.9	30.9								
	Public				Public	4.5	22.7								
	Other				Other										
	Unprotected wells or springs				Unprotected wells or springs	0.7	13.0	0.0							
	Private				Private										
	Public				Public										
	Other				Other										
	All wells				All wells	22.4	71.8	0.0							
	Private				Private	13.9	30.9								
	Public				Public	4.5	22.7								
	Other				Other										
	Tubewell, borehole				Tubewell, borehole	3.3	5.2								
	Private				Private										
	Public				Public										
	Other				Other										
	Traditional wells				Traditional wells	19.1	66.7	0.0							
	Private				Private	13.9	30.9								
	Public				Public	4.5	22.7								
	Other				Other										
	Protected well				Protected well	18.4	53.6	0.0							
	Private				Private	13.9	30.9								
	Public				Public	4.5	22.7								
	Other				Other										
	Unprotected well				Unprotected well	0.7	13.0								
	Private				Private										
	Public				Public										
	Other				Other										
	All springs				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				Surface water	0.3	12.8								
	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										
Total population unserved	Other non-improved	9.3	19.6		Other non-improved	1.2	3.9								
	Cart with small tank/drum				Cart with small tank/drum										
	Tanker truck provided				Tanker truck provided	0.2	0.2								
	Other				Other	1.1	3.7								
	Other				Other										
	DK/missing				DK/missing										
	Total	100.0	100.0		Total	100.0	100.0								
Calculations					Calculations										
Estimations					Estimations										
Access to improved drinking water sources :		91%	80%		Access to improved drinking water sources :		98%	70%							
Access to house connections :		67%	13%		Access to house connections :		35%	4%							
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%	100%		Ratios	HC / Tap water	47%	32%							
	Public tap / Tap water					Public tap / Tap water	53%	68%							
	Tubewell + protected well / All wells					Tubewell + protected well / All wells	97%	82%							
	Protected wells / Traditional wells					Protected wells / Traditional wells	97%	80%							
	Tubewell / All wells					Tubewell / All wells	15%	7%							
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring					Protect. well & spring / well & spring	97%	82%							
Number of people covered by the survey:		5862	13048		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	Note: the sample is not representative for a few areas in the Northern and Eastern Province, which are not conducive for a survey										

Access to drinking water sources		CEN01			Sri Lanka			Access to drinking water sources		SMDG07			Sri Lanka		
Census of population and Housing 2001					Special Survey on Millennium Development Goals – 2006/07					Data from NSO					
Data from NSO					2001			Data from NSO					2007		
Original denomination	Classification				Urban	Rural	Total	Original denomination	Classification				Urban	Rural	Total
	Tap water								Tap water						
	House connections								House connections						
	Piped water into dwelling								Piped water into dwelling						
	Piped water to yard/plot								Piped water to yard/plot						
	Public tap, standpipe								Public tap, standpipe						
	Other								Other						
	Ground water								Ground water						
	Protected ground water								Protected ground water						
	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								All wells						
	Private								Private						
	Public								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								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								Surface water						
	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								Other non-improved						
	Cart with small tank/drum								Cart with small tank/drum						
	Tanker truck provided								Tanker truck provided						
	Other								Other						
	Other								Other						
	DK/missing								DK/missing						
	Total								Total						
Calculations								Calculations							
Estimations								Estimations							
Access to improved drinking water sources :					96%	81%		Access to improved drinking water sources :					95%	85%	
Access to house connections :								Access to house connections :							
Used for the estimates :					Yes	Yes		Used for the estimates :					Yes	Yes	
Used for the estimates :					No	No		Used for the estimates :					No	No	
Ratios	HC / Tap water							Ratios	HC / Tap water						
	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:							
Number of households covered by the survey:								Number of households covered by the survey:							
Total population:								Total population:							
Comments	Data excludes Northern province and Batticaloa and Trincomalee districts in Eastern province							Comments	excludes Northern province and Trincomalee district in Eastern province Definition : The percentage of households that use any of the following types of water supply for drinking, with accessibility within 1Km distance from household :- piped water(mainline), tube well, protected well, protecte spring or protected rain water						

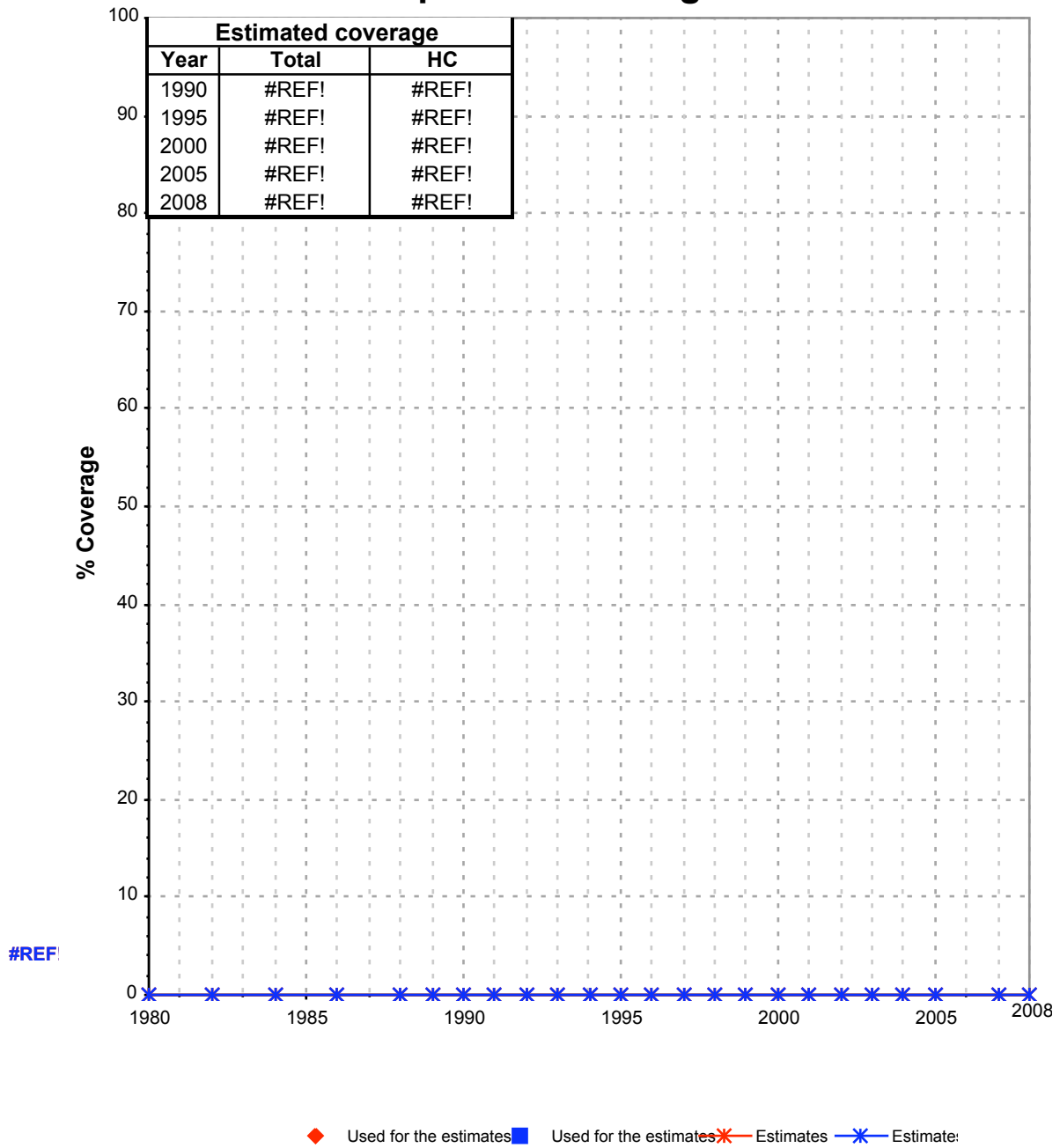
Access to drinking water sources		HIES07			Sri Lanka			Access to drinking water sources		DHS07			Sri Lanka		
Household Income and Expenditure Survey					2007			Demographic and Health Survey					2007		
Original denomination	Classification		Urban	Rural	Total	Original denomination	Classification		Urban	Rural	Total				
Tap within unit or premises (main line)	Tap water		79.6	26.3		Piped water into dwelling/yard/plot	Tap water		80.4	25.5					
	House connections		71.0	17.7			House connections		61.9	20.5					
	Piped water into dwelling						Piped water into dwelling								
	Piped water to yard/plot						Piped water to yard/plot								
Tap outside premises (main line)	Public tap, standpipe		8.2	3.8		Public Tap/stand pipe	Public tap, standpipe		17.7	4.1					
Stream water collected and distributed by pipeline	Other		0.4	4.8		Neighbour's tap	Other		0.8	0.9					
	Ground water		19.3	70.8			Ground water		17.2	72.2					
	Protected ground water		18.5	63.5			Protected ground water		16.8	62.4					
	Unprotected ground water		0.8	7.3			Unprotected ground water		0.4	9.8					
	Protected wells or springs		18.5	63.5			Protected wells or springs		16.8	62.4	0.0				
	Private		12.1	39.2			Private								
	Public		2.5	19.8			Public								
	Other						Other								
	Unprotected wells or springs		0.8	7.3			Unprotected wells or springs		0.4	9.8	0.0				
	Private						Private								
	Public						Public								
	Other						Other								
	All wells		19.3	70.8			All wells		16.9	66.0					
	Private		12.1	39.2			Private								
	Public		2.5	19.8			Public								
	Other						Other								
Tube well	Tubewell, borehole		3.9	4.5		Tube well or borehole	Tubewell, borehole		4.2	4.8					
	Private						Private								
	Public						Public								
	Other						Other								
	Traditional wells		15.4	66.3			Traditional wells		12.7	61.2					
	Private		12.1	39.2			Private								
	Public		2.5	19.8			Public								
	Other						Other								
	Protected well		14.6	59.0		Protected dug well	Protected well		12.3	53.2					
	Private		12.1	39.2			Private								
	Public		2.5	19.8			Public								
	Other						Other								
Protected well outside premises	Unprotected well		0.8	7.3		Unprotected dug well	Unprotected well		0.4	8.0					
Protected well within premises	Private						Private								
	Public						Public								
	Other						Other								
Unprotected well	All springs						All springs		0.3	6.2					
	Private						Private								
	Public						Public								
	Other						Other								
	Protected spring					Protected spring	Protected spring		0.3	4.4					
	Private						Private								
	Public						Public								
	Other						Other								
	Unprotected spring					Unprotected spring	Unprotected spring		0.0	1.8					
	Private						Private								
	Public						Public								
	Other						Other								
	Rainwater						Rainwater		0.0	0.1					
	Covered cistern/tank					Rain water	Covered cistern/tank		0.0	0.1					
	Uncovered cistern/tank						Uncovered cistern/tank								
	Bottled water						Bottled water		1.0	0.1					
	with other improved					Bottled water, improved source for cooking and wash	with other improved		1.0	0.1					
	without other improved						without other improved								
River or tank or stream	Surface water		0.0	0.9		Surface water	Surface water		0.0	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		1.0	2.0			Other non-improved		1.4	0.4					
	Cart with small tank/drum						Cart with small tank/drum								
	Tanker truck provided					Bowser/ Tanker truck	Tanker truck provided		1.4	0.4					
Other	Other		1.0	2.0			Other								
	Other						Other								
	DK/missing					Missing	DK/missing		0.0	0.0					
	Total		99.9	100.0			Total		100.0	100.1					
Calculations						Calculations									
Estimations						Estimations									
Access to improved drinking water sources :			98%	90%		Access to improved drinking water sources :			98%	88%					
Access to house connections :			71%	18%		Access to house connections :			62%	21%					
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		89%	67%		HC / Tap water		77%	80%						
	Public tap / Tap water		10%	14%		Public tap / Tap water		22%	16%						
	Tubewell + protected well / All wells		96%	90%		Tubewell + protected well / All wells		98%	88%						
	Protected wells / Traditional wells		95%	89%		Protected wells / Traditional wells		97%	87%						
	Tubewell / All wells		20%	6%		Tubewell / All wells		25%	7%						
	Protected springs / All springs					Protected springs / All springs		100%	71%						
	Protect. well & spring / well & spring		96%	90%		Protect. well & spring / well & spring		98%	86%						
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										

Sri Lanka			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	DHS87	1987	36.9		89.1		4.1		59.0	
National water supply and Drainage Board	NWSDB92	1992		35.1		87.6		4.7		55.7
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		66.8		90.7		12.6		80.4
Demographic and Health Survey	DHS00	2000	35.5		97.8		3.6		70.2	
World Health Survey	WHS03	2003	64.1		96.2		31.4		81.2	
Country Report on Indicator for the Goals	CR104	2004		30.6		96.2		3.6		74.6
Census of population and Housing 2001	CEN01	2001			95.9				81.2	
Special Survey on Millennium Development Goals – 2006/07	SMDG07	2007			95.4				84.6	
Household Income and Expenditure Survey	HIES07	2007	71.0		98.1		17.7		89.8	
Demographic and Health Survey	DHS07	2007	61.9		98.2		20.5		88.1	

Sri Lanka - urban - Use of improved drinking water sources



Sri Lanka - rural - Use of improved drinking water sources



Drinking Water

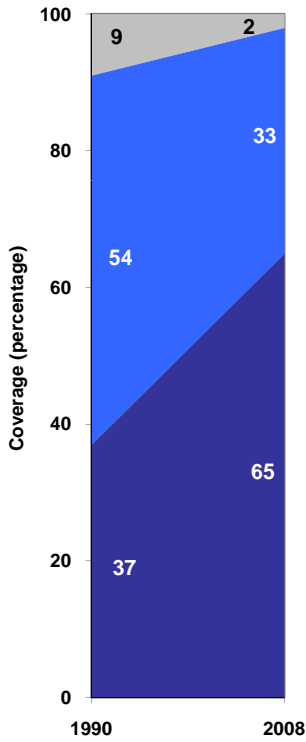
Sri Lanka	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	37	65	6	22	11	28
Other improved source	54	33	56	66	56	62
Unimproved source	9	2	38	12	33	10

Source: WHO/UNICEF JMP, 2010

Sri Lanka	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	2974	3022	14317	17038	17290	20061

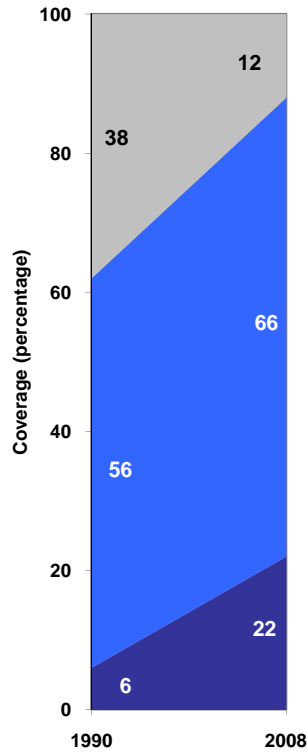
Source: UN / Population Division, 2008

Urban drinking water trends



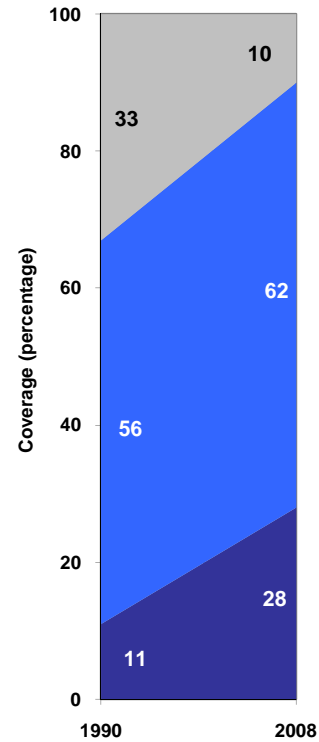
■ Unimproved sources
■ Other improved sources
■ Piped onto premises

Rural drinking water trends



■ Piped onto premises
■ Other improved sources
■ Unimproved sources

Total drinking water trends



■ Unimproved sources
■ Other improved sources
■ Piped onto premises