



WHO / UNICEF

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

Estimates for the use of

**Improved
Drinking-Water Sources**

Updated March 2010

Mongolia

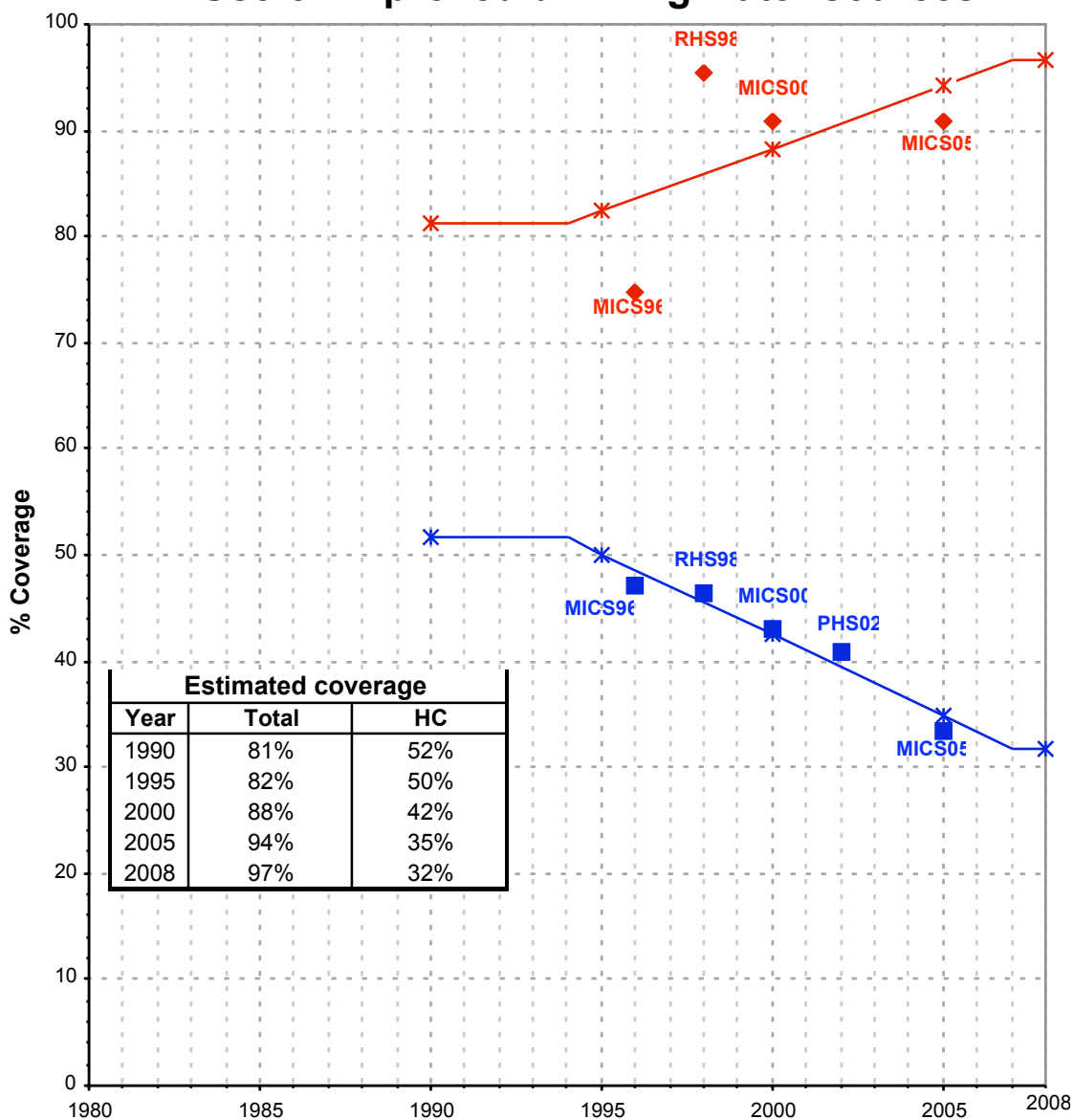
Access to drinking water sources		MICS96			Mongolia			Access to drinking water sources		RHS98			Mongolia		
Multiple Indicator Cluster Survey					1996			Reproductive Health Survey					1998		
								National Statistical Office							
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Central water supply	Tap water	57.0	2.0		Central / Piped	Tap water	48.6	1.1							
	House connections	47.0	0.0			House connections	46.5	0.6							
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
Distribution posts	Public tap, standpipe	10.0	2.0		Local	Public tap, standpipe	2.1	0.5							
	Other					Other									
	Ground water	19.0	39.0			Ground water	50.3	57.4							
	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									
Well	All wells	19.0	39.0		Well	All wells	48.2	46.5							
	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				Spring water/mineral water	All springs	2.1	10.9							
	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	0.0	0.0			Bottled water									
Rain	with other improved	0.0	0.0			with other improved									
	without other improved					without other improved									
	Surface water	7.0	53.0		River / snow / rain water	Surface water	1.1	41.5							
River	River	7.0	53.0			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	17.0	6.0			Other non-improved									
	Cart with small tank/drum					Cart with small tank/drum									
Vendor	Tanker truck provided	16.0	1.0			Tanker truck provided									
Other	Other	1.0	5.0			Other									
	Other					Other									
	DK/missing					DK/missing									
	Total	100.0	100.0			Total	100.0	100.0							
Calculations					Calculations										
Estimations	Estimated wells protected based on ratio MICS00	17.7	28.2		Estimations	Estimated wells protected based on ratio MICS00	44.8	33.6							
	Estimated springs protected based on ratio MICS00					Estimated springs protected based on ratio MICS00	2.1	0.0							
Access to improved drinking water sources :		75%	30%		Access to improved drinking water sources :		96%	35%							
Access to house connections :		47%	0%		Access to house connections :		47%	1%							
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	82%	0%		Ratios	HC / Tap water	96%	55%							
	Public tap / Tap water	18%	100%			Public tap / Tap water	4%	45%							
	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					Comments										

Access to drinking water sources		MICS00			Mongolia			Access to drinking water sources		PHS02			Mongolia		
Multiple Indicator Cluster Survey					2000			Pilot Household Survey					2002		
Original denomination		Classification			Urban	Rural	Total	Original denomination		Classification			Urban	Rural	Total
		Tap water			76.1	7.7	39.1			Tap water			53.3	0.0	
		House connections	43.0	2.3	21.0			Household connection	House connections	40.8	0.0				
Piped into dwelling		Piped water into dwelling	42.3	1.9	20.4				Piped water into dwelling						
Piped into yard/plot		Piped water to yard/plot	0.7	0.4	0.6				Piped water to yard/plot						
Public tap		Public tap, standpipe	33.1	5.4	18.1			Connected kiosks to pipeline	Public tap, standpipe	12.5	0.0				
		Other							Other						
		Ground water			15.9	37.7	27.5			Ground water			8.8	17.3	
		Protected ground water	14.8	27.0	21.3				Protected ground water	8.7	16.6				
		Unprotected ground water	1.1	10.7	6.2				Unprotected ground water	0.1	0.7				
		Protected wells or springs	14.8	27.0	21.3				Protected wells or springs	8.7	16.6	0.0			
		Private							Private						
		Public							Public						
		Other							Other						
		Unprotected wells or springs	1.1	10.7	6.2				Unprotected wells or springs	0.1	0.7	0.0			
		Private							Private						
		Public							Public						
		Other							Other						
		All wells	15.8	37.4	27.4				All wells	8.8	17.3				
		Private							Private						
		Public							Public						
		Other							Other						
Tubewell/ borehole with pump		Tubewell, borehole	3.3	10.2	7.0			Borehole	Tubewell, borehole	8.7	16.6				
		Private							Private						
		Public							Public						
		Other							Other						
		Traditional wells	12.5	27.2	20.4				Traditional wells	0.1	0.7				
		Private							Private						
		Public							Public						
		Other							Other						
Protected dug well		Protected well	11.4	16.8	14.3			Protected dug well	Protected well	0.0	0.0				
		Private							Private						
		Public							Public						
		Other							Other						
Unprotected dug well		Unprotected well	1.1	10.4	6.1			Unprotected dug well	Unprotected well	0.1	0.7				
		Private							Private						
		Public							Public						
		Other							Other						
		All springs	0.7	0.3	0.1				All springs						
		Private							Private						
		Public							Public						
		Other							Other						
Protected spring		Protected spring	0.1	0.0	0.0			Protected spring	Protected spring						
		Private							Private						
		Public							Public						
		Other							Other						
Unprotected spring		Unprotected spring	0.0	0.3	0.1			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	0.0	0.1	0.1				Bottled water						
		with other improved							with other improved						
Bottle water		without other improved	0.0	0.1	0.1				without other improved						
Pond, river or stream		Surface water	3.2	49.6	28.3				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	4.8	4.9	4.9				Other non-improved						
		Cart with small tank/drum							Cart with small tank/drum						
Tanker truck vendor		Tanker truck provided	4.4	1.1	2.6				Tanker truck provided						
Other		Other	0.4	3.8	2.3				Other						
		Other							Other						
Missing		DK/missing	0.0	0.0	0.0				DK/missing						
		Total	100.0	100.0	99.9				Total	62.1	17.3				
Calculations								Calculations							
Estimations								Estimations							
Access to improved drinking water sources :			91%	35%	60%	Access to improved drinking water sources :			62%	17%					
Access to house connections :			43%	2%	21%	Access to house connections :			41%	0%					
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		57%	30%		Ratios	HC / Tap water		77%	#DIV/0!					
	Public tap / Tap water		43%	70%			Public tap / Tap water		23%	#DIV/0!					
	Tubewell + protected well / All wells		93%	72%			Tubewell + protected well / All wells		99%	96%					
	Protected wells / Traditional wells		91%	62%			Protected wells / Traditional wells		0%	0%					
	Tubewell / All wells		21%	27%			Tubewell / All wells		99%	96%					
	Protected springs / All springs		100%	0%			Protected springs / All springs								
	Protect. well & spring / well & spring		93%	72%			Protect. well & spring / well & spring		99%	96%					
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	No non-improved breakdown of categories given								

Access to drinking water sources		MICS05		Mongolia		
Multiple Indicator Cluster Survey				2005		
Original denomination	Classification	Urban	Rural	Total		
	Tap water	40.5	2.9			
	House connections	33.4	2.0			
Piped into dwelling	Piped water into dwelling	33.2	2.0			
Piped into yard or plot	Piped water to yard/plot	0.2	0.0			
Public tap	Public tap, standpipe	7.1	0.9			
	Other					
	Ground water	53.2	60.1			
	Protected ground water	50.4	39.6			
	Unprotected ground water	2.8	20.5			
	Protected wells or springs	50.4	39.6	0.0		
	Private					
	Public					
	Other					
	Unprotected wells or springs	2.8	20.5	0.0		
	Private					
	Public					
	Other					
	All wells	50.7	49.9			
	Private					
	Public					
	Other					
Pumped well	Tubewell, borehole	1.9	4.6			
	Private					
	Public					
	Other					
	Traditional wells	48.8	45.3			
	Private					
	Public					
	Other					
Protected well	Protected well	46.2	31.6			
	Private					
	Public					
	Other					
Unprotected dug well	Unprotected well	2.6	13.7			
	Private					
	Public					
	Other					
	All springs	2.5	10.2			
	Private					
	Public					
	Other					
Protected spring	Protected spring	2.3	3.4			
	Private					
	Public					
	Other					
Unprotected spring	Unprotected spring	0.2	6.8			
	Private					
	Public					
	Other					
	Rainwater	0.0	3.4			
Rain water collection	Covered cistern/tank	0.0	3.4			
	Uncovered cistern/tank					
	Bottled water					
	with other improved					
	without other improved					
Surface water	Surface water	1.4	32.2			
	River					
	Lake					
	Dam					
	Pond					
	Stream					
	Irrigation channel					
	Other					
	Other improved sources					
	Other					
	Other					
	Other non-improved	4.8	1.3			
	Cart with small tank/drum					
Tanker truck vendor	Tanker truck provided	4.6	1.0			
Other	Other	0.2	0.3			
	Other					
	DK/missing					
	Total	99.9	99.9			
Calculations						
Estimations						
Access to improved drinking water sources :		91%	46%			
Access to house connections :		33%	2%			
Used for the estimates		Yes	Yes			
Used for the estimates		Yes	Yes			
Ratios	HC / Tap water	82%	69%			
	Public tap / Tap water	18%	31%			
	Tubewell + protected well / All wells	95%	73%			
	Protected wells / Traditional wells	95%	70%			
	Tubewell / All wells	4%	9%			
	Protected springs / All springs	92%	33%			
	Protect. well & spring / well & spring	95%	66%			
	Number of people covered by the survey:					
	Number of households covered by the survey:					
	Total population:					
Comments						

Mongolia			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
Multiple Indicator Cluster Survey	MICS96	1996	47.0		74.7		0.0		30.2	
Reproductive Health Survey	RHS98	1998	46.5		95.5		0.6		34.7	
National Census	CEN98	1998		61.1		95.7		0.0		86.0
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		56.9		77.4		0.0		30.0
Multiple Indicator Cluster Survey	MICS00	2000	43.0		90.9		2.3		34.7	
Pilot Household Survey	PHS02	2002	40.8			62.0	0.0			16.6
Multiple Indicator Cluster Survey	MICS05	2005	33.4		90.9		2.0		45.9	

Mongolia - urban - Use of improved drinking water sources



Total improved access

Household connections (HC)

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

Mongolia - rural - Use of improved drinking water sources

