

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

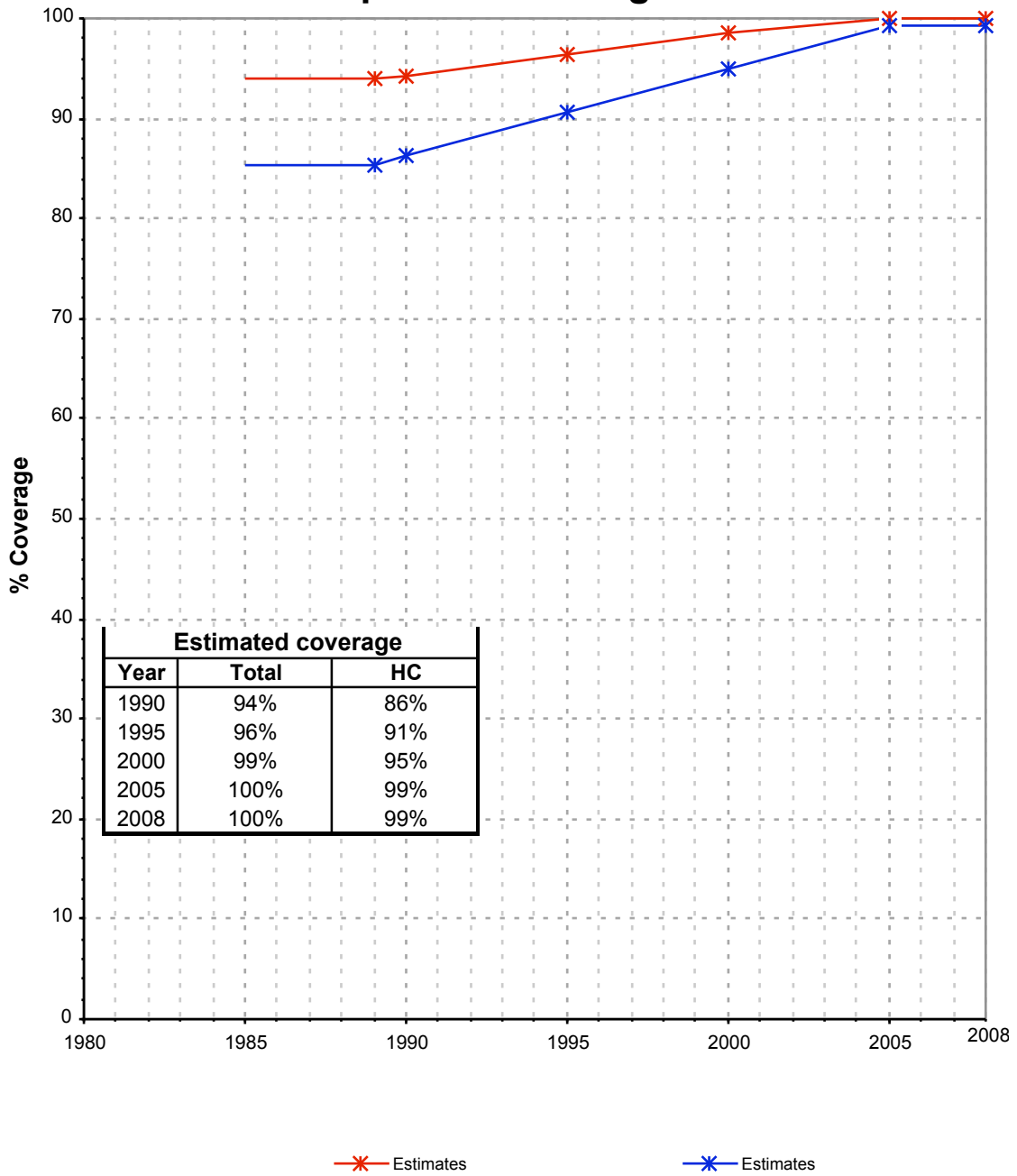
childinfo.org

Access to drinking water sources		JMP99			Malaysia			Access to drinking water sources		WHS03			Malaysia		
Global Water Supply and Sanitation Assessment 2000.					World Health Survey										
Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1999					2003					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Population served with household connection	Tap water		64.3		Piped water through house connection or yard	Tap water	98.7	88.0							
	House connections		64.3			House connections	97.6	86.7							
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
	Public tap, standpipe					Public tap, standpipe	1.1	1.3							
	Other					Other									
	Ground water		30.0			Ground water	0.8	6.7							
	Protected ground water		30.0			Protected ground water	0.7	5.2							
	Unprotected ground water					Unprotected ground water	0.1	1.5							
	Protected wells or springs					Protected wells or springs	0.2	3.3							
Private				Private											
Public				Public											
Other				Other											
Unprotected wells or springs				Unprotected wells or springs	0.1	1.5									
Private				Private											
Public				Public											
Other				Other											
All wells				All wells	0.5	1.9									
Private				Private											
Public				Public											
Other				Other											
Tubewell, borehole				Tubewell, borehole	0.5	1.9									
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	0.4	3.1									
Covered cistern/tank				Covered cistern/tank	0.4	3.1									
Uncovered cistern/tank				Uncovered cistern/tank											
Bottled water				Bottled water											
with other improved				with other improved											
without other improved				without other improved	0.1	2.1									
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											
Total population unserved	Other non-improved		5.7	Other non-improved	0.0	0.1									
	Cart with small tank/drum			Cart with small tank/drum											
	Tanker truck provided			Tanker truck provided	0.0	0.1									
	Other			Other											
	Other			Other											
	DK/missing			DK/missing											
	Total		100.0	Total	100.0	100.0									
Calculations															
					Protected trad. Well estimated at 50% of well & spring	0.1	1.7								
					Springs estimated at 50% of well & spring	0.1	1.7								
Estimations															
Access to improved drinking water sources :			94%	Access to improved drinking water sources :		100%	96%								
Access to house connections :			64%	Access to house connections :		98%	87%								
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%	Ratios	HC / Tap water	99%	98%								
	Public tap / Tap water				Public tap / Tap water	1%	2%								
	Tubewell + protected well / All wells				Tubewell + protected well / All wells										
	Protected wells / Traditional wells				Protected wells / Traditional wells										
	Tubewell / All wells				Tubewell / All wells	100%	100%								
	Protected springs / All springs				Protected springs / All springs										
	Protect. well & spring / well & spring				Protect. well & spring / well & spring	64%	69%								
Number of people covered by the survey:			8905	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											

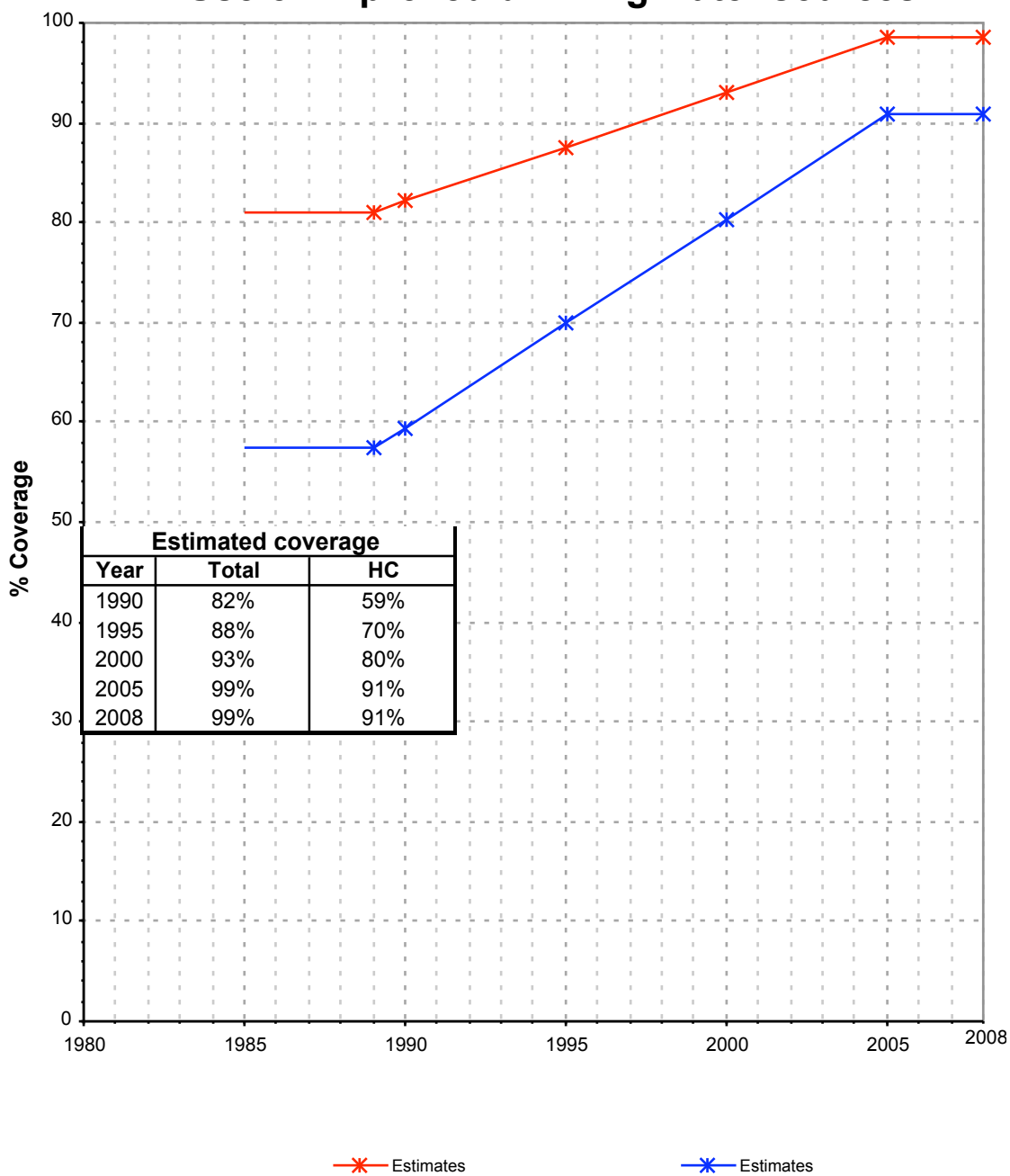
Access to drinking water sources		CEN91			Malaysia			Access to drinking water sources		CEN00			Malaysia			
Population and housing census					Population and housing census					Population and housing census						
National Census (10% micro dataset from IPUMS)					National Census (10% micro dataset from IPUMS)					National Census (10% micro dataset from IPUMS)						
Original denomination		Classification			Urban	Rural	Total	Original denomination		Classification			Urban	Rural	Total	
Piped water inside living quarters	Tap water	House connections	87.1	73.2					Tap water	House connections						
		Piped water into dwelling								Piped water into dwelling						
		Piped water to yard/plot								Piped water to yard/plot						
Piped water outside living quarters		Public tap, standpipe	5.3	11.7						Public tap, standpipe						
		Other							Other							
	Ground water	Protected ground water	3.6	14.5					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	All wells	3.6	14.5					All wells	All wells						
		Private								Private						
		Public								Public						
		Other							Other							
		Tubewell, borehole							Tubewell, borehole							
		Private							Private							
		Public							Public							
		Other							Other							
	Traditional wells	Traditional wells							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							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	Covered cistern/tank							Rainwater	Covered cistern/tank						
		Uncovered cistern/tank								Uncovered cistern/tank						
	Bottled water	with other improved							Bottled water	with other improved						
		without other improved								without other improved						
	Surface water	River							Surface water	River						
		Lake								Lake						
		Dam								Dam						
		Pond								Pond						
		Stream								Stream						
		Irrigation channel								Irrigation channel						
		Other								Other						
		Other improved sources	Other								Other improved sources	Other				
			Other									Other				
	Other non-improved	Cart with small tank/drum	1.1	10.5					Other non-improved	Cart with small tank/drum						
		Tanker truck provided								Tanker truck provided						
Other		Other	1.1	10.5						Other						
		Other							Other							
NIU (not in universe)	DK/missing	DK/missing	2.9	1.8				DK/missing	DK/missing							
	Total	Total	100.0	100.0				Total	Total							
Calculations									Calculations							
Estimations		Well considered improved based on WHSO3			2.3	10.0			Estimations							
Access to improved drinking water sources :		95%			83%			Access to improved drinking water sources :		No			No			
Access to house connections :		87%			62%			Access to house connections :		No			No			
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	Public tap / Tap water	94%	84%					Ratios	HC / Tap water	Public tap / Tap water					
		Tubewell + protected well / All wells	6%	16%						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	Urban small, large and metropolitan have been aggregated in urban.							Comments	Insufficient data disaggregation							

Malaysia			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
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999						64.3		94.3
World Health Survey	WHS03	2003	97.6		99.8		86.7		96.3	
Population and housing census	CEN91	1991	87.1		94.7		61.5		83.2	
Population and housing census	CEN00	2000								

Malaysia - urban - Use of improved drinking water sources



Malaysia - rural - Use of improved drinking water sources



Drinking Water

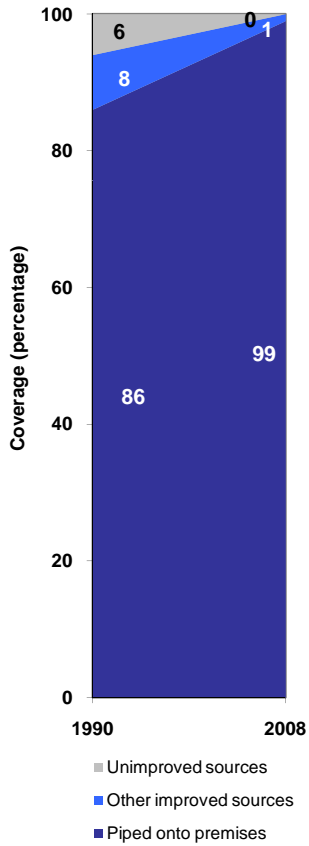
Malaysia	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	86	99	59	91	72	97
Other improved source	8	1	23	8	16	3
Unimproved source	6	0	18	1	12	0

Source: WHO/UNICEF JMP, 2010

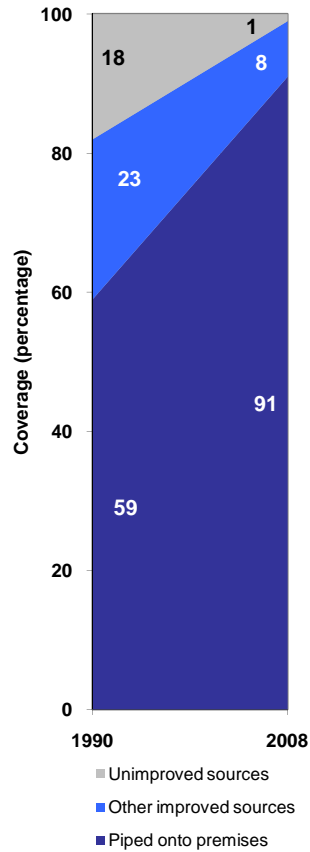
Malaysia	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	9014	19038	9089	7977	18103	27014

Source: UN / Population Division, 2008

Urban drinking water trends



Rural drinking water trends



Total drinking water trends

