

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

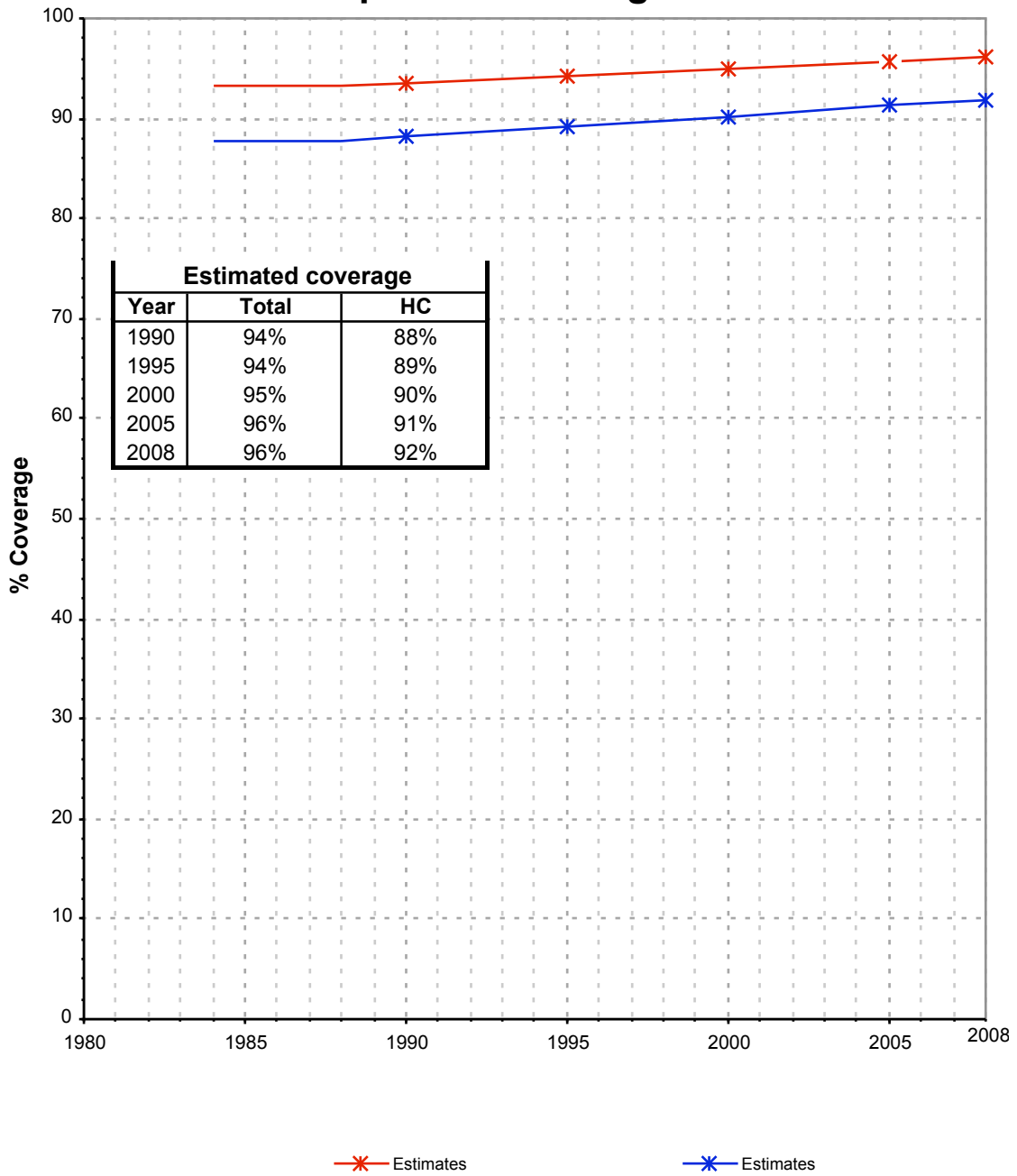
childinfo.org

Access to drinking water sources		CEN90			Mexico			Access to drinking water sources		CEN95			Mexico						
National Census					10% micro dataset from IPUMS					Conteo de Poblacion					noviembre de 1995				
					1990								1995						
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total										
	Tap water	89.3	51.3			Tap water	92.6	61.0											
	House connections	86.9	46.6			House connections	91.3	58.2											
Inside the dwelling	Piped water into dwelling	62.3	14.2		Dentro de la vivienda	Piped water into dwelling	65.0	13.7											
Outside the dwelling, but within the lot	Piped water to yard/plot	24.7	32.4		Dentro del terreno	Piped water to yard/plot	26.4	44.5											
Public tap or spigot	Public tap, standpipe	2.4	4.7		Llave publica o hidrante	Public tap, standpipe	1.2	2.8											
	Other					Other													
Does not have piped water	Ground water	10.0	47.3			Ground water	7.4	39.0											
	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	0.6	1.4	x		Other non-improved													
	Cart with small tank/drum					Cart with small tank/drum													
	Tanker truck provided					Tanker truck provided													
Not specified	Other	0.6	1.4			Other													
	Other					Other													
	DK/missing					DK/missing													
	Total	100.0	100.0			Total	100.0	100.0											
Calculations					Calculations														
	Groundwater, based on WHS03	7.2	26.9			Groundwater, based on WHS03	5.3	22.2											
Estimations					Estimations														
	Protected wells, based on WHS03	5.2	17.9			Protected wells, based on WHS03	3.9	14.7											
	Springs estimated at 50% improved	0.5	2.7			Springs estimated at 50% improved	0.4	2.3											
Access to improved drinking water sources : 95% 72%					Access to improved drinking water sources : 97% 78%														
Access to house connections : 87% 47%					Access to house connections : 91% 58%														
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	97%	91%		Ratios	HC / Tap water	99%	95%											
	Public tap / Tap water	3%	9%			Public tap / Tap water	1%	5%											
	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 census:					Number of people covered by the census:													
	Number of households covered by the census:					Number of households covered by the census:													
	Total population:					Total population:	67003.5	24154.7											
Comments					Comments														

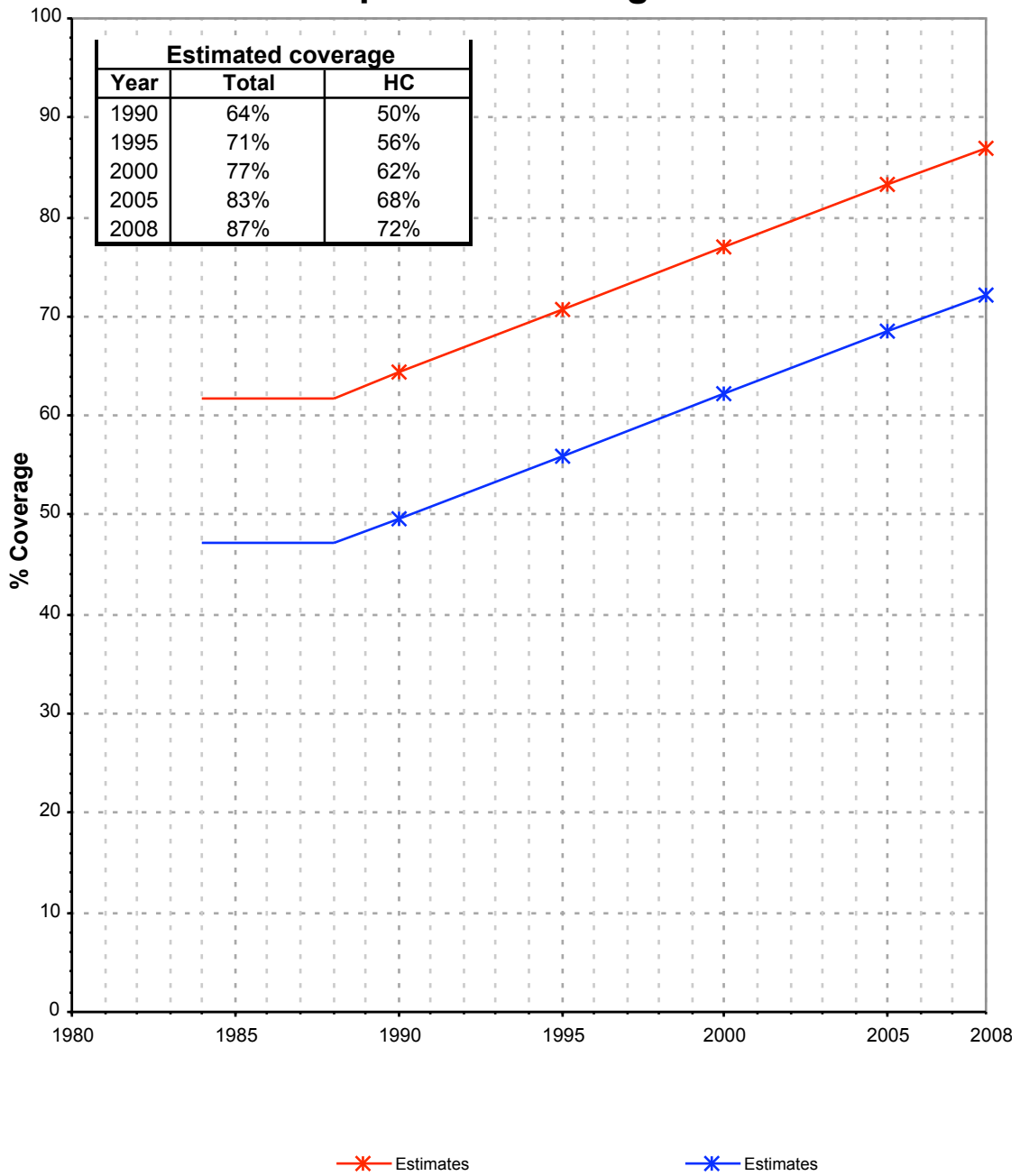
Access to drinking water sources		CEN00			Mexico			Access to drinking water sources		WHS03			Mexico		
National Census					2000			World Health Survey					2003		
10% micro dataset from IPUMS					2000								2003		
Original denomination	Classification				Urban	Rural	Total	Original denomination	Classification				Urban	Rural	Total
	Tap water				91.7	59.7			Tap water				96.6	73.6	
	House connections				91.7	59.7		Piped water through house connection or yard	House connections				95.3	72.3	
Piped, exclusively to this household	Piped water into dwelling				69.6	19.0			Piped water into dwelling						
Piped, shared with other households	Piped water to yard/plot				22.1	40.8			Piped water to yard/plot						
	Public tap, standpipe							Public standpipe	Public tap, standpipe				1.3	1.3	
	Other								Other						
No piped water	Ground water				7.4	38.8			Ground water				2.5	15.0	
	Protected ground water								Protected ground water				2.7	12.0	
	Unprotected ground water								Unprotected ground water				0.4	3.1	
	Protected wells or springs							Protected dug well or protected spring	Protected wells or springs				0.7	4.0	
	Private								Private						
	Public								Public						
	Other								Other						
	Unprotected wells or springs							Unprotected dug well or spring	Unprotected wells or springs				0.4	3.1	
	Private								Private						
	Public								Public						
	Other								Other						
	All wells								All wells				1.5	8.0	
	Private								Private						
	Public								Public						
	Other								Other						
	Tubewell, borehole							Protected tube well or bore hole	Tubewell, borehole				1.5	8.0	
	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				0.1	0.5	
	Covered cistern/tank							Rainwater (into tank or cistern)	Covered cistern/tank				0.1	0.5	
	Uncovered cistern/tank								Uncovered cistern/tank						
	Bottled water								Bottled water						
	with other improved								with other improved						
	without other improved								without other improved						
	Surface water							Water taken directly from pond-water or str	Surface water				0.1	9.0	
	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				0.8	1.9	
	Cart with small tank/drum								Cart with small tank/drum						
	Tanker truck provided							Tanker-truck, vendor	Tanker truck provided				0.8	1.9	
	Other								Other						
	Other								Other						
Unknown	DK/missing				0.9	1.4			DK/missing						
	Total				100.0	100.0			Total				100.0	100.0	
Calculations								Calculations							
	Groundwater, based on WHS03				5.4	22.1									
Estimations								Estimations							
	Protected wells, based on WHS03				3.9	14.7			Traditional wells estimated at 50% of groundwater				0.3	2.0	
	Springs estimated at 50% improved				0.4	2.2			Springs estimated at 50% of groundwater				0.3	2.0	
Access to improved drinking water sources : 96% 77%								Access to improved drinking water sources : 99% 86%							
Access to house connections : 92% 60%								Access to house connections : 95% 72%							
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				100%	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 / Groundwater				72%	66%	
	Protected wells / Traditional wells								Wells among groundwater				86%	80%	
	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				66%	57%	
									ratio of protected wells and rainwater vs HHC				2%	17%	
									Groundwater among non-tap water				72%	57%	
	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:						
Comments								Comments							

Mexico			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
National Census	CEN90	1990	86.9		95.1		46.6		71.9	
Conteo de Poblacion	CEN95	1995	91.3		96.8		58.2		78.0	
National Census	CEN00	2000	91.7		95.9		59.7		76.7	
World Health Survey	WHS03	2003	95.3		98.8		72.3		86.1	
National Census	CEN05	2005	93.4		98.1		66.4		85.1	
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH92	1992	87.4		92.2		51.0		58.7	
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH94	1994	86.7		90.4		54.1		57.2	
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH96	1996	89.8		94.2		60.4		75.1	
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH98	1998	91.9		94.8		60.5		74.9	
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH02	2002		96.9		96.9		97.6		97.6
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH04	2004	87.1		93.3		67.4		80.5	
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH06	2006	89.6		94.1		72.4		85.4	
Encuesta Nacional de Ingresos y Gastos de los Hogares, ENIGH	ENIGH08	2008	89.9		94.8		66.4		82.1	

Mexico - urban - Use of improved drinking water sources



Mexico - rural - Use of improved drinking water sources



Drinking Water

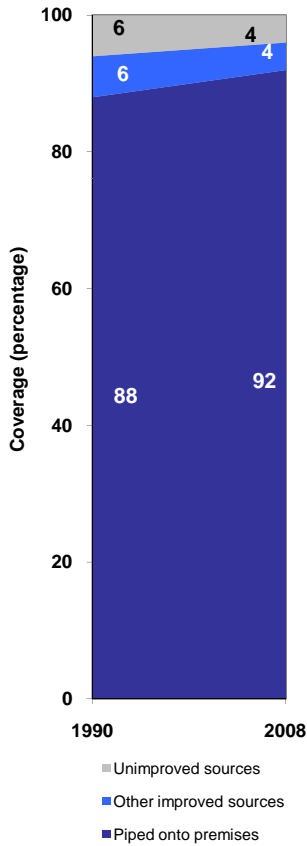
Mexico	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	88	92	50	72	77	87
Other improved source	6	4	14	15	8	7
Unimproved source	6	4	36	13	15	6

Source: WHO/UNICEF JMP, 2010

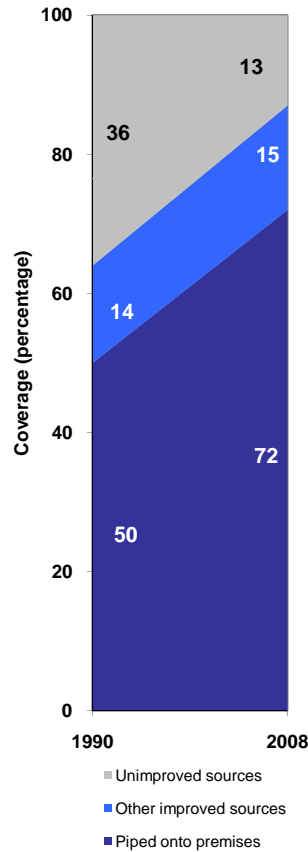
Mexico	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	59,566	83,835	23,838	24,720	83,404	108,555

Source: UN / Population Division, 2008

Urban drinking water trends



Rural drinking water trends



Total drinking water trends

