

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

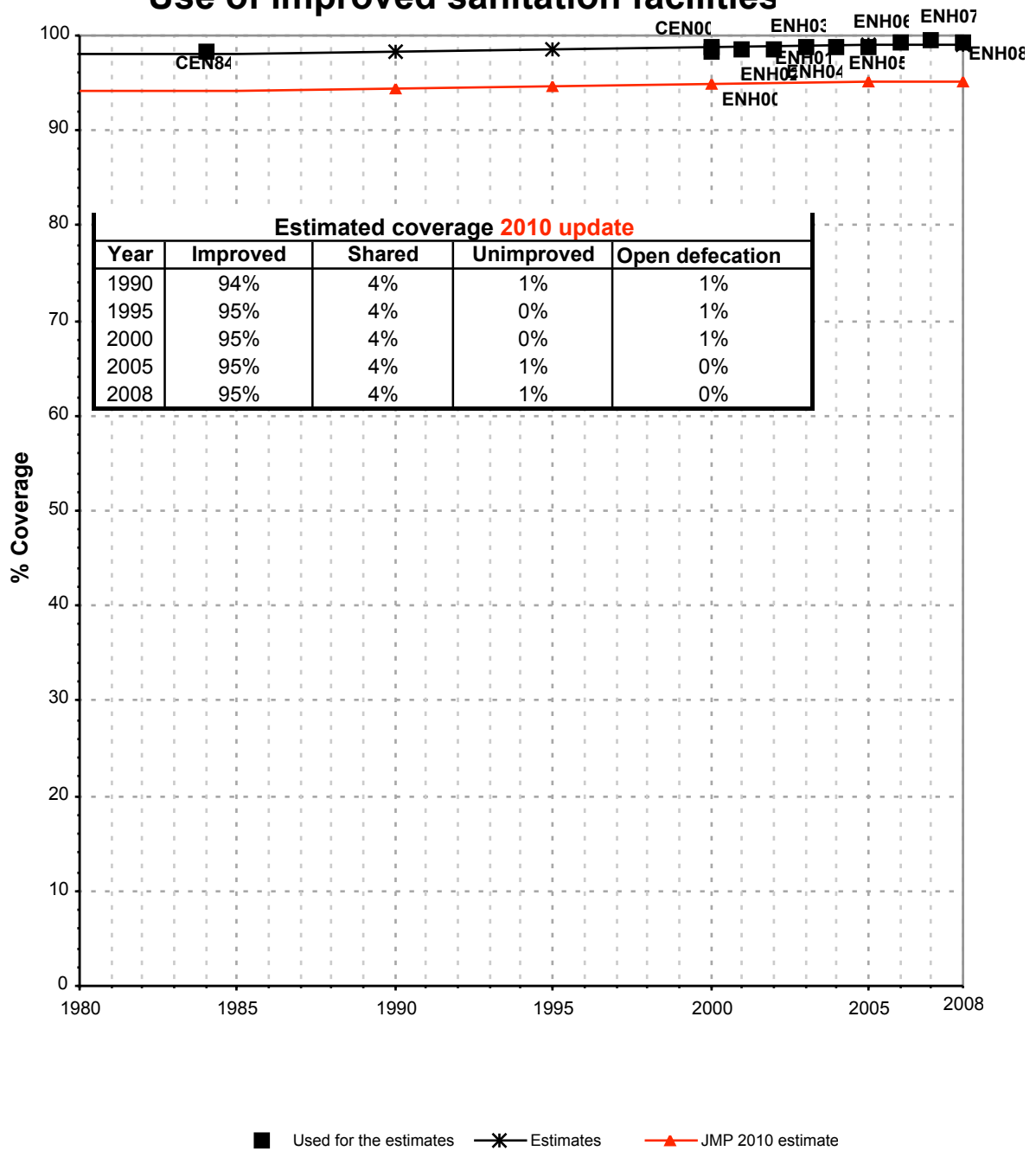
childinfo.org

Use of sanitation facilities		CEN84			Costa Rica			Use of sanitation facilities		CEN00			Costa Rica		
National Census					1984			National Census					2000		
10% micro dataset from IPUMS								10% micro dataset from IPUMS							
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	90.5	42.3			Flush and pour flush	96.0	78.2							
	to piped sewer system					to piped sewer system	34.8	0.4							
	to septic tank					to septic tank	61.1	77.8							
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Flush/toilets	90.5	42.3			Flush/toilets	96.0	78.2							
	to piped sewer system					to piped sewer system	34.8	0.4							
	to septic tank					to septic tank	61.1	77.8							
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Sewer/septic tank: only for this dwelling	Private flush/toilet	86.5	41.1			Private flush/toilet	94.3	76.9							
	to piped sewer system				Private toilet to sewer system	to piped sewer system	34.4	0.4							
	to septic tank				Private toilet to septic tank	to septic tank	59.9	76.5							
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Sewer/septic tank: for this and other dwellings	Public/shared flush/toilet	4.0	1.2			Public/shared flush/toilet	1.7	1.3							
	to piped sewer system				Shared toilet to sewer system	to piped sewer system	0.4	0.0							
	to septic tank				Shared toilet to septic tank	to septic tank	1.2	1.3							
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Latrines	7.8	50.8			Latrines	2.4	19.6							
	Pour flush latrines					Pour flush latrines									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Private pour flush latrine					Private pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared pour flush latrine					Public/shared pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Dry latrines	7.8	50.8			Dry latrines	2.4	19.6							
	Improved latrines	5.6	36.3			Improved latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine	5.6	36.3			Pit latrine with slab/covered latrine									
	Traditional latrine	2.2	14.5			Traditional latrine	2.4	19.6							
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Private Latrines	6.2	47.4			Private Latrines	2.1	17.9							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
Pit toilet/latrine outhouse w/ cement floor: this dwelling	Pit latrine with slab/covered latrine	4.5	33.8			Pit latrine with slab/covered latrine									
Pit toilet/latrine outhouse w/ wood fir: this dwelling	Traditional latrine	1.7	13.6		Private pit latrine	Traditional latrine	2.1	17.9							
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Public/shared Latrines	1.7	3.5			Public/shared Latrines	0.4	1.7							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
Pit toilet/latrine outhouse w/ cement fir: this and other dwell	Pit latrine with slab/covered latrine	1.2	2.6			Pit latrine with slab/covered latrine									
Pit toilet/latrine outhouse w/ wood fir: this and other dwell	Traditional latrine	0.5	0.9		Shared pit latrine	Traditional latrine	0.4	1.7							
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Composting toilets					Composting toilets									
	Composting toilet (private)					Composting toilet (private)									
	Composting toilet (shared)					Composting toilet (shared)									
	Other improved					Other improved									
	Other					Other									
	Other					Other									
None	No facility, bush, field	0.7	6.0		No facility	No facility, bush, field	0.6	1.6							
Other	Other unimproved	0.4	0.4			Other unimproved	1.0	0.6							
	Other	0.4	0.4		Other	Other	1.0	0.6							
	Other					Other									
Missing	DK/missing information	0.6	0.5			DK/missing information									
	Total	100.0	100.0			Total	100.0	100.0							
Calculations					Calculations										
Estimations	100% of traditional latrines considered improved	2.2	14.5			100% of traditional latrines considered improved	2.4	19.6							
	SC, based on CEN00	32.9	0.2												
Access to improved sanitation :		98%	93%		Access to improved sanitation :		98%	98%							
Access to sewerage connections :		33%	0%		Access to sewerage connections :		35%	0%							
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	Shared improved facilities/all improved facilities	5.8%	5.0%		Ratios	Shared improved facilities/all improved facilities	2.1%	3.0%							
	Improved latrine / All latrines	72%	71%			Improved latrine / All latrines									
	Covered dry latrines / All dry latrines	72%	71%			Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines	28%	29%			Traditional latrines / All latrines	100%	100%							
	Improved + traditional latrines / All latrines	100%	100%			Improved + traditional latrines / All latrines									
	Sewerage connection among flush/pour flush					Sewerage connection among flush/pour flush	36.3	0.5							
Sewerage connection among flush				Sewerage connection among flush	36.3	0.5									
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										

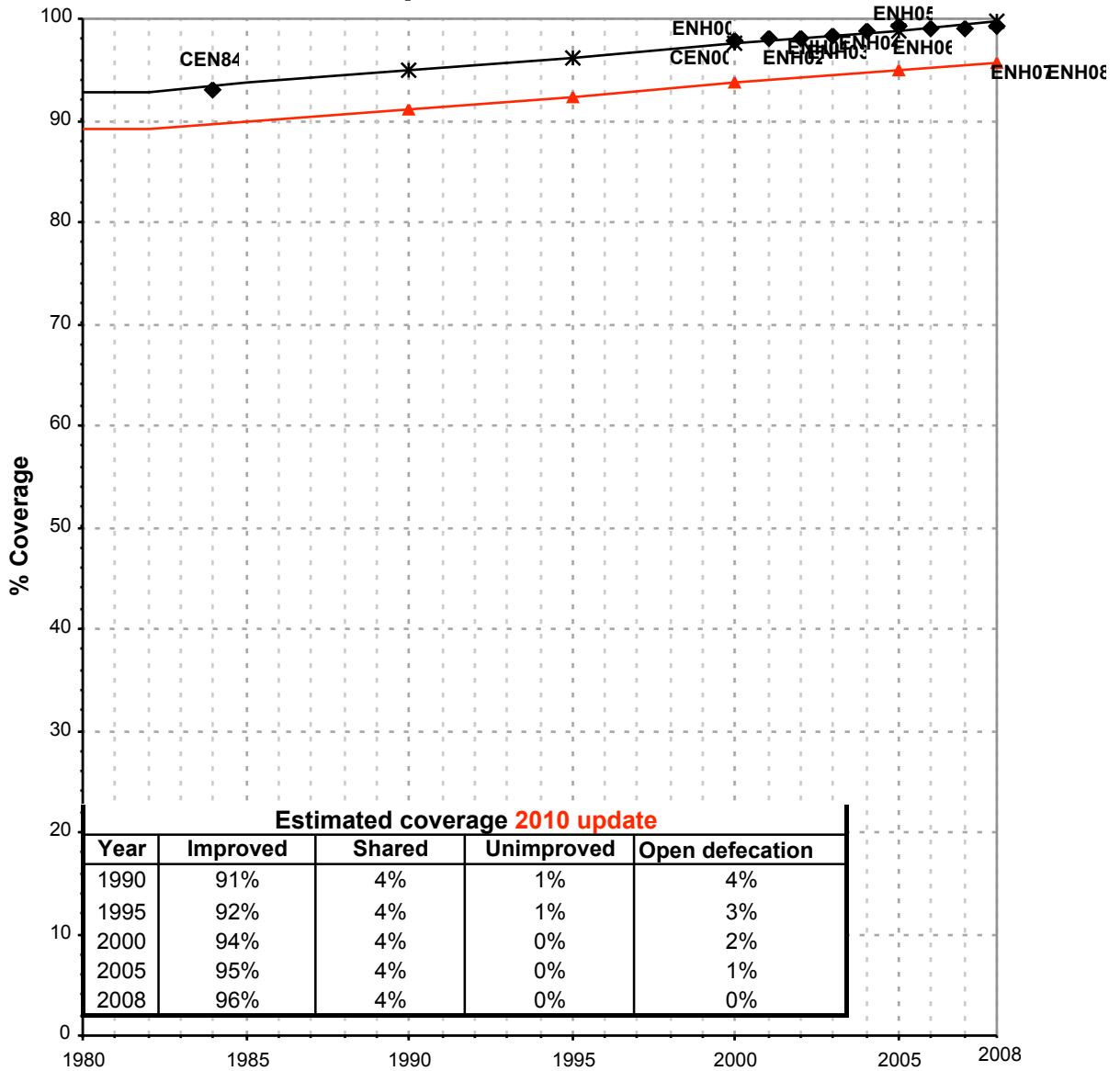
Use of sanitation facilities		Costa Rica			Use of sanitation facilities		Costa Rica				
Encuesta Nacional de Hogares					Encuesta Nacional de Hogares						
INE		2000			INE		2001				
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
Alcantarilla o cloaca	Flush and pour flush	to piped sewer system	96.8	82.8	91.1	Alcantarilla o cloaca	Flush and pour flush	to piped sewer system	96.9	84.6	92.1
		to septic tank	45.6	9.4	31.0			to septic tank	44.1	7.3	29.6
Tanque Septico	Flush and pour flush	to pit	51.2	73.4	60.1	Tanque Septico	Flush and pour flush	to pit	52.8	77.3	62.5
		to unknown place/ not sure/DK						to unknown place/ not sure/DK			
	to elsewhere					to elsewhere					
	Flush/toilets					Flush/toilets					
	to piped sewer system					to piped sewer system					
	to septic tank					to septic tank					
	to pit					to pit					
	to unknown place/ not sure/DK					to unknown place/ not sure/DK					
	to elsewhere					to elsewhere					
	Private flush/toilet					Private flush/toilet					
	to piped sewer system					to piped sewer system					
	to septic tank					to septic tank					
	to pit					to pit					
	to unknown place/ not sure/DK					to unknown place/ not sure/DK					
	to elsewhere					to elsewhere					
	Public/shared flush/toilet					Public/shared flush/toilet					
	to piped sewer system					to piped sewer system					
	to septic tank					to septic tank					
	to pit					to pit					
	to unknown place/ not sure/DK					to unknown place/ not sure/DK					
	to elsewhere					to elsewhere					
	Latrines	1.9	15.1	7.3		Latrines	1.7	13.4	6.3		
	Pour flush latrines					Pour flush latrines					
	to piped sewer system					to piped sewer system					
	to septic tank					to septic tank					
	to pit					to pit					
	to unknown place/ not sure/DK					to unknown place/ not sure/DK					
	to elsewhere					to elsewhere					
	Private pour flush latrine					Private pour flush latrine					
	to piped sewer system					to piped sewer system					
	to septic tank					to septic tank					
	to pit					to pit					
	to unknown place/ not sure/DK					to unknown place/ not sure/DK					
	to elsewhere					to elsewhere					
	Public/shared pour flush latrine					Public/shared pour flush latrine					
	to piped sewer system					to piped sewer system					
	to septic tank					to septic tank					
	to pit					to pit					
	to unknown place/ not sure/DK					to unknown place/ not sure/DK					
	to elsewhere					to elsewhere					
	Dry latrines	1.9	15.1	7.3		Dry latrines	1.7	13.4	6.3		
	Improved latrines	1.9	15.1	7.3		Improved latrines	1.7	13.4	6.3		
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine					
Pozo negro o letrina	Pit latrine with slab/covered latrine	1.9	15.1	7.3	Pozo negro o letrina	Pit latrine with slab/covered latrine	1.7	13.4	6.3		
	Traditional latrine					Traditional latrine					
	Pit latrine without slab/open pit					Pit latrine without slab/open pit					
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine					
	Bucket latrine					Bucket latrine					
	Other					Other					
	Private Latrines					Private Latrines					
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine					
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine					
	Traditional latrine					Traditional latrine					
	Pit latrine without slab/open pit					Pit latrine without slab/open pit					
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine					
	Bucket latrine					Bucket latrine					
	Other					Other					
	Public/shared Latrines					Public/shared Latrines					
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine					
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine					
	Traditional latrine					Traditional latrine					
	Pit latrine without slab/open pit					Pit latrine without slab/open pit					
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine					
	Bucket latrine					Bucket latrine					
	Other					Other					
	Composting toilets					Composting toilets					
	Composting toilet (private)					Composting toilet (private)					
	Composting toilet (shared)					Composting toilet (shared)					
	Other improved					Other improved					
	Other					Other					
No tiene	No facility, bush, field	0.5	1.3	0.8	No tiene	No facility, bush, field	0.7	1.3	0.9		
	Other unimproved	0.1	0.3	0.2		Other unimproved	0.5	0.6	0.5		
Otro sistem	Other	0.1	0.3	0.2	Otro sistem	Other	0.5	0.6	0.5		
	Other					Other					
Ignorado	DK/missing information	0.7	0.5	0.6	Ignorado	DK/missing information	0.2	0.2	0.2		
	Total	100.0	100.0	100.0		Total	100.0	100.1	100.0		
Calculations					Calculations						
Estimations					Estimations						
Access to improved sanitation :		99%	98%	98%	Access to improved sanitation :		99%	98%	98%		
Access to sewerage connections :		46%	9%	31%	Access to sewerage connections :		44%	7%	30%		
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes			
Ratios	Shared improved facilities/all improved facilities	Yes	Yes		Ratios	Shared improved facilities/all improved facilities	Yes	Yes			
	Improved latrine / All latrines	100%	100%	100%		Improved latrine / All latrines	100%	100%	100%		
	Covered dry latrines / All dry latrines	100%	100%			Covered dry latrines / All dry latrines	100%	100%			
	VIP / All latrines					VIP / All latrines					
	Traditional latrines / All latrines					Traditional latrines / All latrines					
	Improved + traditional latrines / All latrines					Improved + traditional latrines / All latrines					
	Sewerage connection among flush/pour flush	47.1	11.4			Sewerage connection among flush/pour flush	45.5	8.6			
Sewerage connection among flush				Sewerage connection among flush							
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						

Costa Rica			SANITATION															
			URBAN								RURAL							
			Sewer connection		Total		Open defecation		Shared		Sewer connection		Total		Open defecation		Shared	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used
National Census	CEN84	1984	32.9		98.3		0.7		5.8		0.2		93.1		6.0		5.0	
National Census	CEN00	2000	34.8		98.4		0.6		2.1		0.4		97.8		1.6		3.0	
Encuesta Nacional de Hogares		2000	45.6		98.7		0.5				9.4		97.9		1.3			
Encuesta Nacional de Hogares		2001	44.1		98.6		0.7				7.3		98.0		1.3			
Encuesta Nacional de Hogares		2002	44.1		98.6		0.7				7.3		98.0		1.3			
Encuesta Nacional de Hogares		2003	44.1		98.8		0.5				7.4		98.3		1.3			
Encuesta Nacional de Hogares		2004	40.5		98.7		0.4				8.2		98.9		0.7			
Encuesta Nacional de Hogares		2005	39.3		98.8		0.3				7.8		99.2		0.5			
Encuesta Nacional de Hogares		2006	43.7		99.3		0.3				5.5		99.1		0.8			
Encuesta Nacional de Hogares		2007	39.3		99.6		0.2				5.0		99.0		0.8			
Encuesta Nacional de Hogares		2008	39.9		99.3		0.2				4.3		99.2		0.4			

Costa Rica - urban - Use of improved sanitation facilities



Costa Rica - rural - Use of improved sanitation facilities



◆ Used for the estimates ✱ Estimates ▲ JMP 2010 estimate

Sanitation

Costa Rica	Sanitation coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Improved facilities	94	95	91	96	93	95
Shared facilities	4	4	4	4	4	4
Unimproved facilities	1	1	1	0	1	1
Open defecation	1	0	4	0	2	0

Source: WHO/UNICEF JMP, 2010

Costa Rica	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	1,560	2,860	1,518	1,659	3,078	4,519

Source: UN / Population Division, 2008

