

**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

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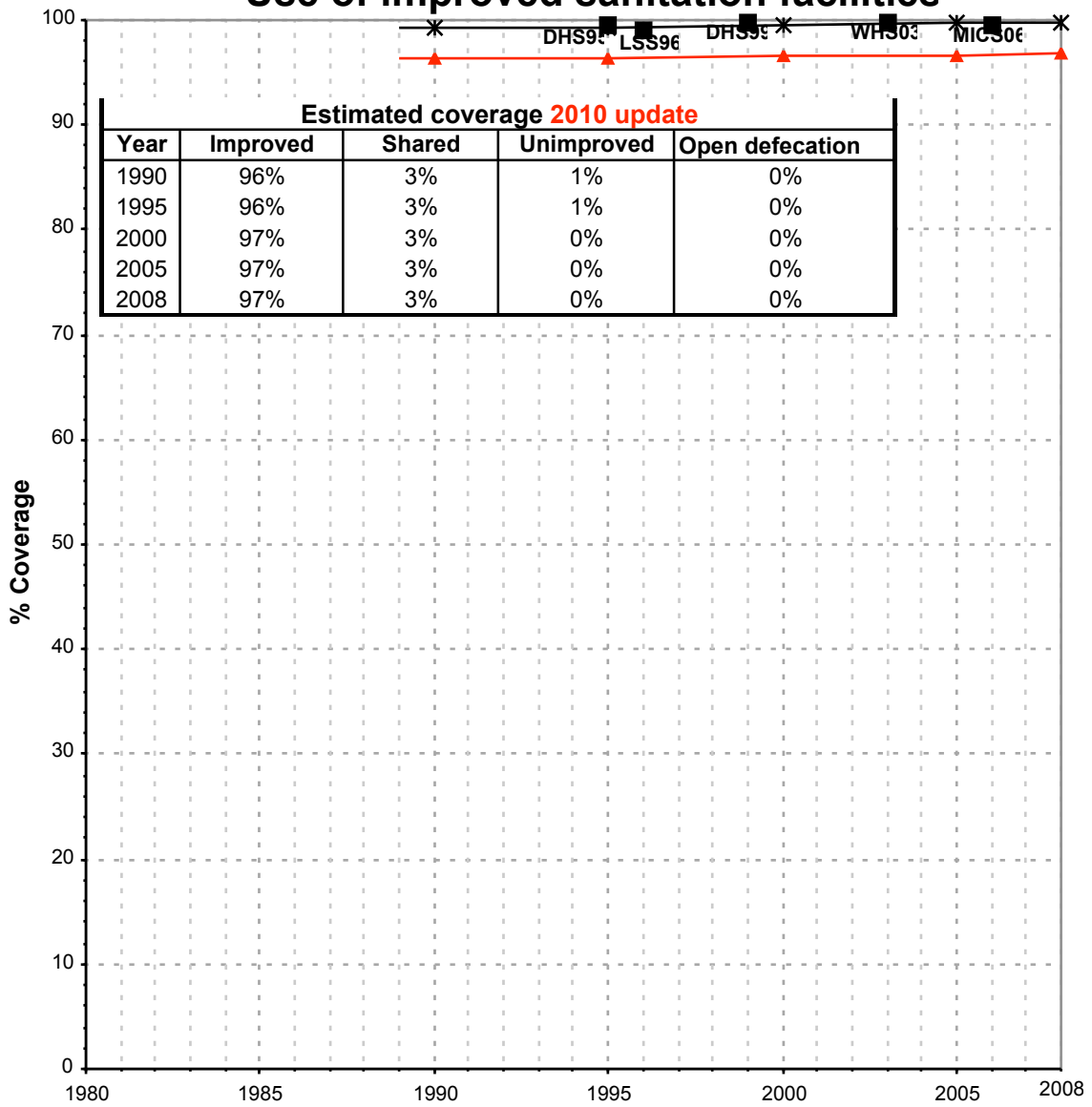
Use of sanitation facilities		DHS95			Kazakhstan			Use of sanitation facilities		LSS96			Kazakhstan		
Demographic and Health Survey					1995			Living standards Measurement Survey					1996		
Final Report								Final Report							
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	
	<b>Flush and pour flush</b>	73.1	2.4			<b>Flush and pour flush</b>	73.1	9.3			<b>Flush and pour flush</b>	73.1	9.3		
	to piped sewer system					to piped sewer system					to piped sewer system				
	to septic tank					to septic tank					to septic tank				
	to pit					to pit					to pit				
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere				
	<b>Flush/toilets</b>	73.1	2.4			<b>Flush/toilets</b>	73.1	9.3			<b>Flush/toilets</b>	73.1	9.3		
	to piped sewer system					to piped sewer system					to piped sewer system				
	to septic tank					to septic tank					to septic tank				
	to pit					to pit					to pit				
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere				
Own Flush Toilet	<b>Private flush/toilet</b>	72.8	2.4		Separate toilet in the apt.	<b>Private flush/toilet</b>	71.5	7.8			<b>Private flush/toilet</b>	71.5	7.8		
	to piped sewer system					to piped sewer system					to piped sewer system				
	to septic tank					to septic tank					to septic tank				
	to pit					to pit					to pit				
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere				
Shared Flush Toilet	<b>Public/shared flush/toilet</b>	0.3	0.0		Comm. toilet in building	<b>Public/shared flush/toilet</b>	1.6	1.5			<b>Public/shared flush/toilet</b>	1.6	1.5		
	to piped sewer system					to piped sewer system					to piped sewer system				
	to septic tank					to septic tank					to septic tank				
	to pit					to pit					to pit				
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere				
	<b>Latrines</b>	26.8	95.9			<b>Latrines</b>	26.2	89.8			<b>Latrines</b>	26.2	89.8		
	<b>Pour flush latrines</b>					<b>Pour flush latrines</b>					<b>Pour flush latrines</b>				
	to piped sewer system					to piped sewer system					to piped sewer system				
	to septic tank					to septic tank					to septic tank				
	to pit					to pit					to pit				
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere				
	<b>Private pour flush latrine</b>					<b>Private pour flush latrine</b>					<b>Private pour flush latrine</b>				
	to piped sewer system					to piped sewer system					to piped sewer system				
	to septic tank					to septic tank					to septic tank				
	to pit					to pit					to pit				
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere				
	<b>Public/shared pour flush latrine</b>					<b>Public/shared pour flush latrine</b>					<b>Public/shared pour flush latrine</b>				
	to piped sewer system					to piped sewer system					to piped sewer system				
	to septic tank					to septic tank					to septic tank				
	to pit					to pit					to pit				
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere				
	<b>Dry latrines</b>	26.8	95.9			<b>Dry latrines</b>	26.2	89.8			<b>Dry latrines</b>	26.2	89.8		
	<b>Improved latrines</b>	0.2	0.0			<b>Improved latrines</b>					<b>Improved latrines</b>				
Ventilated Improved Pit Latrine	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
Traditional Pit Toilet	Pit latrine with slab/covered latrine	26.6	95.9		Comm. toilet in yard	Pit latrine with slab/covered latrine	26.2	89.8			Pit latrine with slab/covered latrine	26.2	89.8		
	Traditional latrine					Traditional latrine					Traditional latrine				
	Pit latrine without slab/open pit					Pit latrine without slab/open pit					Pit latrine without slab/open pit				
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine					Hanging toilet/hanging latrine				
	Bucket latrine					Bucket latrine					Bucket latrine				
	Other					Other					Other				
	<b>Private Latrines</b>					<b>Private Latrines</b>					<b>Private Latrines</b>				
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine				
	Traditional latrine					Traditional latrine					Traditional latrine				
	Pit latrine without slab/open pit					Pit latrine without slab/open pit					Pit latrine without slab/open pit				
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine					Hanging toilet/hanging latrine				
	Bucket latrine					Bucket latrine					Bucket latrine				
	Other					Other					Other				
	<b>Public/shared Latrines</b>					<b>Public/shared Latrines</b>					<b>Public/shared Latrines</b>				
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine					Ventilated Improved Pit latrine				
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine				
	Traditional latrine					Traditional latrine					Traditional latrine				
	Pit latrine without slab/open pit					Pit latrine without slab/open pit					Pit latrine without slab/open pit				
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine					Hanging toilet/hanging latrine				
	Bucket latrine					Bucket latrine					Bucket latrine				
	Other					Other					Other				
	<b>Composting toilets</b>					<b>Composting toilets</b>					<b>Composting toilets</b>				
	Composting toilet (private)					Composting toilet (private)					Composting toilet (private)				
	Composting toilet (shared)					Composting toilet (shared)					Composting toilet (shared)				
	<b>Other improved</b>					<b>Other improved</b>					<b>Other improved</b>				
	Other					Other					Other				
	Other					Other					Other				
No Facilities/Bush	<b>No facility, bush, field</b>	0.1	1.7		No toilet at all	<b>No facility, bush, field</b>	0.6	0.8			<b>No facility, bush, field</b>	0.6	0.8		
	<b>Other unimproved</b>					<b>Other unimproved</b>					<b>Other unimproved</b>				
	Other					Other					Other				
	Other					Other					Other				
	<b>DK/missing information</b>					<b>DK/missing information</b>					<b>DK/missing information</b>				
	<b>Total</b>	100.0	100.0			<b>Total</b>	99.9	99.9			<b>Total</b>	99.9	99.9		
<b>Calculations</b>						<b>Calculations</b>					<b>Calculations</b>				
	Traditional pit considered improved based on MICS 2006	26.2	95.0			Traditional pit considered improved based on MICS 2006	25.8	89.0			Traditional pit considered improved based on MICS 2006	25.8	89.0		
<b>Estimations</b>						<b>Estimations</b>					<b>Estimations</b>				
	Flush to sewerage based on MICS 2006	69.8	1.3			Flush to sewerage based on MICS 2006	69.8	5.1			Flush to sewerage based on MICS 2006	69.8	5.1		
<b>Access to improved sanitation : 100% 97%</b>					<b>Access to improved sanitation : 99% 98%</b>										
<b>Access to sewerage connections : 70% 1%</b>					<b>Access to sewerage connections : 70% 5%</b>										
Used for the estimates <b>Yes Yes</b>					Used for the estimates <b>Yes Yes</b>										
Used for the estimates <b>Yes Yes</b>					Used for the estimates <b>Yes Yes</b>										
<b>Ratios</b>	Shared improved facilities/all improved facilities					Shared improved facilities/all improved facilities					Shared improved facilities/all improved facilities				
	Improved latrine / All latrines	1%	0%			Improved latrine / All latrines					Improved latrine / All latrines				
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines				
	VIP / All latrines	1%	0%			VIP / All latrines					VIP / All latrines				
	Traditional latrines / All latrines	99%	100%			Traditional latrines / All latrines	100%	100%			Traditional latrines / All latrines	100%	100%		
	Improved + traditional latrines / All latrines	100%	100%			Improved + traditional latrines / All latrines					Improved + traditional latrines / All latrines				
	Sewerage connection among flush/pour flush					Sewerage connection among flush/pour flush					Sewerage connection among flush/pour flush				
	Sewerage connection among flush					Sewerage connection among flush					Sewerage connection among flush				
	Number of people covered by the survey					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					Number of households covered by the survey				
	Total population					Total population					Total population				
<b>Comments</b>						<b>Comments</b>					<b>Comments</b>				





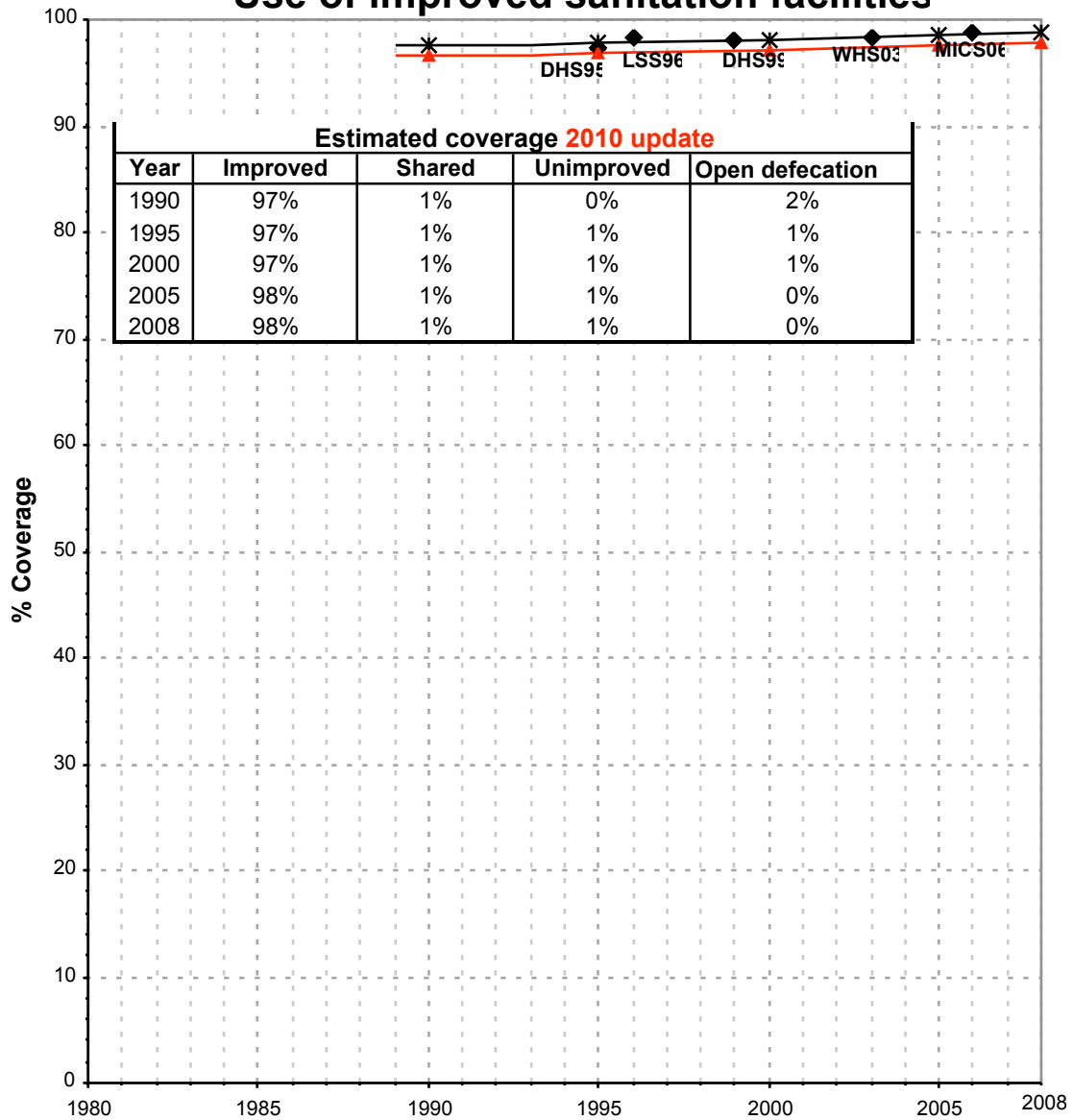
Kazakhstan			SANITATION															
			URBAN								RURAL							
			Sewer connection		Total		Open defecation		Shared		Sewer connection		Total		Open defecation		Shared	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Demographic and Health Survey	DHS95	1995	69.8		99.5		0.1				1.3		97.4		1.7			
Living standards Measurement Survey	LSS96	1996	69.8		98.9		0.6				5.1		98.3		0.8			
Demographic and Health Survey	DHS99	1999	77.1		99.6		0.1				2.7		98.1		1.0			
World Health Survey	WHS03	2003	77.5		99.8		0.0				14.3		98.3		0.0			
Multiple Cluster Indicator Survey	MICS06	2006	60.7		99.5		0.0		3.0		2.1		98.8		0.1		1.0	

# Kazakhstan - urban - Use of improved sanitation facilities



■ Used for the estimates    \* Estimates    ▲ JMP 2010 estimate

# Kazakhstan - rural - Use of improved sanitation facilities



◆ Used for the estimates    \* Estimates    ▲ JMP 2010 estimate

# Sanitation

Kazakhstan	Sanitation coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Improved facilities	96	97	97	98	96	97
Shared facilities	3	3	1	1	2	2
Unimproved facilities	1	0	0	1	1	1
Open defecation	0	0	2	0	1	0

Source: WHO/UNICEF JMP, 2010

Kazakhstan	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	9,301	8,981	7,229	6,541	16,530	15,521

Source: UN / Population Division, 2008

