

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		ESN86			Peru			Use of sanitation facilities		DHS86			Peru		
Encuesta sobre niveles de vida y sector informal					Demographic and Health Survey										
Primeros Resultados					1986					1986					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	81.8	13.4	50.1		Flush and pour flush	70.6	6.7							
	to piped sewer system	70.7	6.7	40.8		to piped sewer system	63.5	3.1							
	to septic tank	2.3	0.9	1.7		to septic tank	4.0	0.8							
	to pit	8.8	6.3	7.6		to pit	2.5	2.8							
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere	0.6	0.0							
	Flush/toilets	73.0	7.1	42.5		Flush/toilets	64.2	3.1							
Servicio publico	to piped sewer system	70.7	6.1	40.8		to piped sewer system	63.5	3.1							
Tanque septico	to septic tank	2.3	0.9	1.7		to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere	0.6	0.0							
	Private flush/toilet					Private flush/toilet	59.1	2.1							
	to piped sewer system				Domestic connection to system	to piped sewer system	59.1	2.1							
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere									
	Public/shared flush/toilet					Public/shared flush/toilet	4.5	1.0							
	to piped sewer system				Water closet (Excusado)	to piped sewer system	4.5	1.0							
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere									
	Latrines	8.8	6.3	7.6		Latrines	6.5	3.6							
	Pour flush latrines	8.8	6.3	7.6		Pour flush latrines	6.5	3.6							
	to piped sewer system					to piped sewer system									
	to septic tank				Pour-flush (Botadero)	to septic tank	4.0	0.8							
Pozo septico	to pit	8.8	6.3	7.6	Blind well (soakaway)	to pit	2.5	2.8							
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK 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 elsewhere					to unknown place/ not sure/DK 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 elsewhere					to unknown place/ not sure/DK to elsewhere									
	Dry latrines					Dry latrines									
	Improved latrines					Improved 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									
	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									
	Other					Other									
No tiene	No facility, bush, field	18.2	86.6	49.9	No facility	No facility, bush, field	27.5	92.9							
	Other unimproved				Other	Other unimproved	1.5	0.4							
	Other				Other	Other	1.5	0.4							
	Other				Missing information	Other									
	DK/missing information					DK/missing information	0.4	0.0							
	Total	100.0	100.0	100.0		Total	100.0	100.0							
Calculations					Calculations										
Estimations					Estimations										
Access to improved sanitation : 82% 13% 50%					Access to improved sanitation : 71% 7%										
Access to sewerage connections : 71% 6% 41%					Access to sewerage connections : 64% 3%										
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%							
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines									
	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	96.5	45.9		Sewerage connection among flush/pour flush	90.0	46.4									
Sewerage connection among flush	96.9	86.8		Sewerage connection among flush	99.0	100.0									
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		DHS92			Peru			Use of sanitation facilities		CEN93			Peru		
Demographic and Health Survey					1992			National Census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999					1993		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	69.7	5.2			Flush and pour flush	82.5	27.0							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit	18.9	24.8							
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere									
	Flush/toilets	63.5	3.3			Flush/toilets	63.6	2.2							
	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 elsewhere					to unknown place/ not sure/DK to elsewhere									
Private toilet	Private flush/toilet	58.5	3.1		Household connection (inside)	Private flush/toilet	58.1	1.8							
	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 elsewhere					to unknown place/ not sure/DK to elsewhere									
Shared toilet	Public/shared flush/toilet	5.0	0.2		Household connection (outside)	Public/shared flush/toilet	5.5	0.4							
	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 elsewhere					to unknown place/ not sure/DK to elsewhere									
	Latrines	18.6	24.0			Latrines	18.9	24.8							
	Pour flush latrines	6.2	1.9			Pour flush latrines	18.9	24.8							
	to piped sewer system					to piped sewer system									
	to septic tank				Blind Well (Soakaway)	to septic tank									
	to pit					to pit	18.9	24.8							
	to unknown place/ not sure/DK to elsewhere					to unknown place/ not sure/DK to elsewhere									
Pour-flush (private)	Private pour flush latrine	4.1	1.1			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 elsewhere					to unknown place/ not sure/DK to elsewhere									
Pour-flush (shared)	Public/shared pour flush latrine	2.1	0.8			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 elsewhere					to unknown place/ not sure/DK to elsewhere									
	Dry latrines	12.4	22.1			Dry latrines									
	Improved latrines					Improved latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	12.4	22.1			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	10.5	19.6			Private Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	10.5	19.6			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	1.9	2.5			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	1.9	2.5			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									
	Other					Other									
No facility	No facility, bush, field	9.1	63.4		No Facility	No facility, bush, field	17.5	73.0							
	Other unimproved	8.6	9.3			Other unimproved									
	Other	8.6	9.3			Other									
	Other					Other									
	DK/missing information					DK/missing information									
	Total	99.8	100.0			Total	100.0	100.0							
Calculations					Calculations										
	50% of traditional latrines considered improved	6.2	11.1												
Estimations					Estimations										
	sewerage based on LSMS94	61.2	0.7			sewerage based on ENNV97 & DHS87	74.7	18.9							
Access to improved sanitation : 76% 16%					Access to improved sanitation : 83% 27%										
Access to sewerage connections : 61% 1%					Access to sewerage connections : 75% 19%										
Used for the estimates					Used for the estimates										
Yes Yes					Yes Yes										
Ratios	Shared improved facilities/all improved facilities	9.0%	12.3%		Ratios	Shared improved facilities/all improved facilities									
	Improved latrine / All latrines	33%	8%			Improved latrine / All latrines	100%	100%							
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines	67%	92%			Traditional latrines / All latrines									
	Improved + traditional latrines / All latrines	100%	100%			Improved + traditional latrines / All latrines									
	Sewerage connection among flush/pour flush					Sewerage connection among flush/pour 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 households covered by the survey					Number of households covered by the survey										
Total population					Total population										
14338.6					7463										
Comments					Comments										

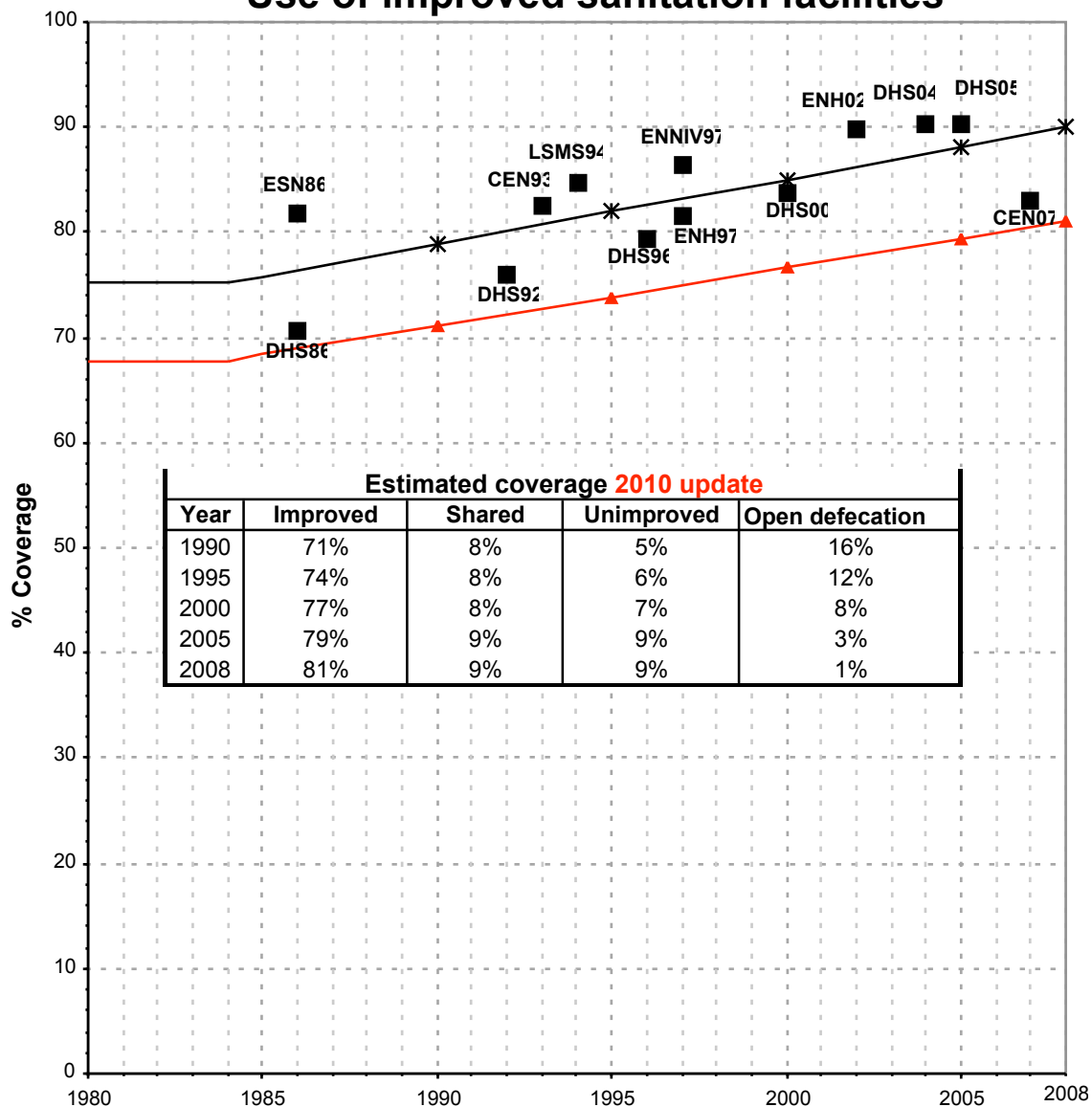
Use of sanitation facilities		LSMS94			Peru			Use of sanitation facilities		DHS96			Peru		
Living Standards Measurement Survey					1994			Demographic and Health Survey					1996		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	81.7	20.2			Flush and pour flush	69.4	4.1							
	to piped sewer system	71.7	2.9			to piped sewer system									
	to septic tank	7.8	12.4			to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere	2.2	4.9			to elsewhere									
	Flush/toilets	81.7	20.2			Flush/toilets	69.4	4.1							
	to piped sewer system	71.7	2.9			to piped sewer system									
SEPTIC TANK	to septic tank	7.8	12.4			to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere	2.2	4.9			to elsewhere									
SEWER OR CANAL	Private flush/toilet	68.0	2.8		Private toilet	Private flush/toilet	59.1	3.2							
	to piped sewer system	68.0	2.8			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 NETWORK CONNECTION INSIDE HOUSE	Public/shared flush/toilet	3.7	0.1		Shared toilet	Public/shared flush/toilet	10.3	0.9							
	to piped sewer system	3.7	0.1			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 NETWORK CONNECTION OUTSIDE HOUSE	Latrines	10.2	26.5			Latrines	19.9	33.3							
	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	10.2	26.5			Dry latrines	19.9	33.3							
	Improved latrines					Improved latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
PIT LATRINE	Traditional latrine	10.2	26.5			Traditional latrine	19.9	33.3							
	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				Simple pit (private)	Private Latrines	17.2	29.6							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine	17.2	29.6							
	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									
	Public/shared Latrines				Simple pit (shared)	Public/shared Latrines	2.7	3.7							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine	2.7	3.7							
	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									
NO SANITATION FACILITIES	No facility, bush, field	8.1	53.2		Bush / River, irrigation ditch, canal	No facility, bush, field	9.2	62.0							
	Other unimproved				Other	Other unimproved	1.9	0.5							
	Other					Other	1.9	0.5							
	Other					Other									
	DK/missing information					DK/missing information									
	Total	100.0	99.9			Total	100.4	99.9							
Calculations					Calculations										
	50% of traditional latrines considered improved	5.1	13.3			50% of traditional latrines considered improved	10.0	16.7							
Estimations					Estimations										
						sewerage based on ENNV97	65.6	2.3							
Access to improved sanitation : 85% 29%					Access to improved sanitation : 79% 21%										
Access to sewerage connections : 72% 3%					Access to sewerage connections : 66% 2%										
Used for the estimates Yes Yes					Used for the estimates Yes Yes										
Ratios	Shared improved facilities/all improved facilities					Shared improved facilities/all improved facilities	13.4%	11.7%							
	Improved latrine / All latrines					Improved latrine / All latrines									
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines	100%	100%			Traditional latrines / All latrines	100%	100%							
	Improved + traditional latrines / All latrines					Improved + traditional latrines / All latrines									
	Sewerage connection among flush/pour flush	87.8	14.4			Sewerage connection among flush/pour flush									
	Sewerage connection among flush	87.8	14.4			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										

Use of sanitation facilities		DHS00			Peru			Use of sanitation facilities		DHS04			Peru		
Demographic and Health Survey					2000			Demographic and Health Survey					2004		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	76.0	8.0			Flush and pour flush	84.3	12.0							
	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									
	Flush/toilets	76.0	8.0			Flush/toilets	84.3	12.0							
	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									
Inodoro exclusivo	Private flush/toilet	68.3	6.8		Inodoro exclusivo (dentro de la vivienda)	Private flush/toilet	79.1	11.4							
	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									
Inodoro comun	Public/shared flush/toilet	7.7	1.2		Inodoro comun (dentro de la vivienda)	Public/shared flush/toilet	5.2	0.6							
	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	15.6	40.6			Latrines	12.1	45.5							
	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	15.6	40.6			Dry latrines	12.1	45.5							
	Improved latrines					Improved latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	15.6	40.6			Traditional latrine	12.1	45.5							
	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	14.3	37.1			Private Latrines	11.8	45.2							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
Letrina exclusiva (fuera de la vivienda)	Traditional latrine	14.3	37.1		Letrina exclusiva (fuera de la vivienda)	Traditional latrine	11.8	45.2							
	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	1.3	3.5			Public/shared Latrines	0.3	0.3							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
Letrina comun (fuera de la vivienda)	Traditional latrine	1.3	3.5		Letrina comun (fuera de la vivienda)	Traditional latrine	0.3	0.3							
	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									
No hay servicio	No facility, bush, field	8.2	51.4		No hay servicio	No facility, bush, field	2.7	41.4							
	Other unimproved	0.1	0.1			Other unimproved	0.9	1.1							
Otra	Other	0.1	0.1		Otra	Other	0.9	1.1							
	Other					Other									
	DK/missing information					DK/missing information									
	Total	99.9	100.1			Total	100.0	100.0							
Calculations					Calculations										
	50% of traditional latrines considered improved	7.8	20.3			50% of traditional latrines considered improved	6.1	22.8							
Estimations					Estimations										
	sewerage based on ENNV97	71.8	4.5			sewerage based on ENNV97	79.6	6.7							
Access to improved sanitation : 84% 28%					Access to improved sanitation : 90% 35%										
Access to sewerage connections : 72% 4%					Access to sewerage connections : 80% 7%										
Used for the estimates					Used for the estimates										
Yes Yes					Yes Yes										
Ratios	Shared improved facilities/all improved facilities	8.6%	8.6%		Ratios	Shared improved facilities/all improved facilities	11.8%	6.9%							
	Improved latrine / All latrines					Improved latrine / All latrines									
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines	100%	100%			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									
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		DHS05			Peru			Use of sanitation facilities		ENH02			Peru		
Demographic and Health Survey					Enquesta Nacional de Hogares										
					2005					2002					
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	84.6	8.8			Flush and pour flush	84.4	27.3							
	to piped sewer system				Red p/Eolica	to piped sewer system	79.6	18.0							
	to septic tank				Pozo s,ptico	to septic tank	4.8	9.3							
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Flush/toilets	84.6	8.8			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									
Inodoro exclusivo (dentro de la vivienda)	Private flush/toilet	78.9	8.3			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									
Inodoro comun (dentro de la vivienda)	Public/shared flush/toilet	5.7	0.5			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	11.6	44.6			Latrines	11.6	34.0							
	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	11.6	44.6			Dry latrines	11.6	34.0							
	Improved latrines					Improved latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	11.6	44.6		Pozo ciego o negro/letrina	Traditional latrine	10.8	31.5							
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine				Rjo, acequia o canal	Hanging toilet/hanging latrine	0.8	2.5							
	Bucket latrine					Bucket latrine									
	Other					Other									
	Private Latrines	11.4	44.1			Private Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
Letrina exclusiva (fuera de la vivienda)	Traditional latrine	11.4	44.1			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	0.2	0.5			Public/shared Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
Letrina comun (fuera de la vivienda)	Traditional latrine	0.2	0.5			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									
	Other					Other									
No hay servicio	No facility, bush, field	2.6	43.8		No tiene	No facility, bush, field	4.1	38.6							
	Other unimproved	1.2	2.8			Other unimproved									
Otra	Other	1.2	2.8			Other									
	Other					Other									
	DK/missing information					DK/missing information									
	Total	100.0	100.0			Total	100.0	100.0							
Calculations						Calculations									
	50% of traditional latrines considered improved	5.8	22.3			50% of traditional latrines considered improved	5.4	15.7							
Estimations						Estimations									
	sewerage based on ENNV97	79.9	4.9												
Access to improved sanitation : 90% 31%					Access to improved sanitation : 90% 43%										
Access to sewerage connections : 80% 5%					Access to sewerage connections : 80% 18%										
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	6.4%	2.4%			Shared improved facilities/all improved facilities									
	Improved latrine / All latrines					Improved latrine / All latrines									
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines									
	Traditional latrines / All latrines	100%	100%			Traditional latrines / All latrines	93%	93%							
	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					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										

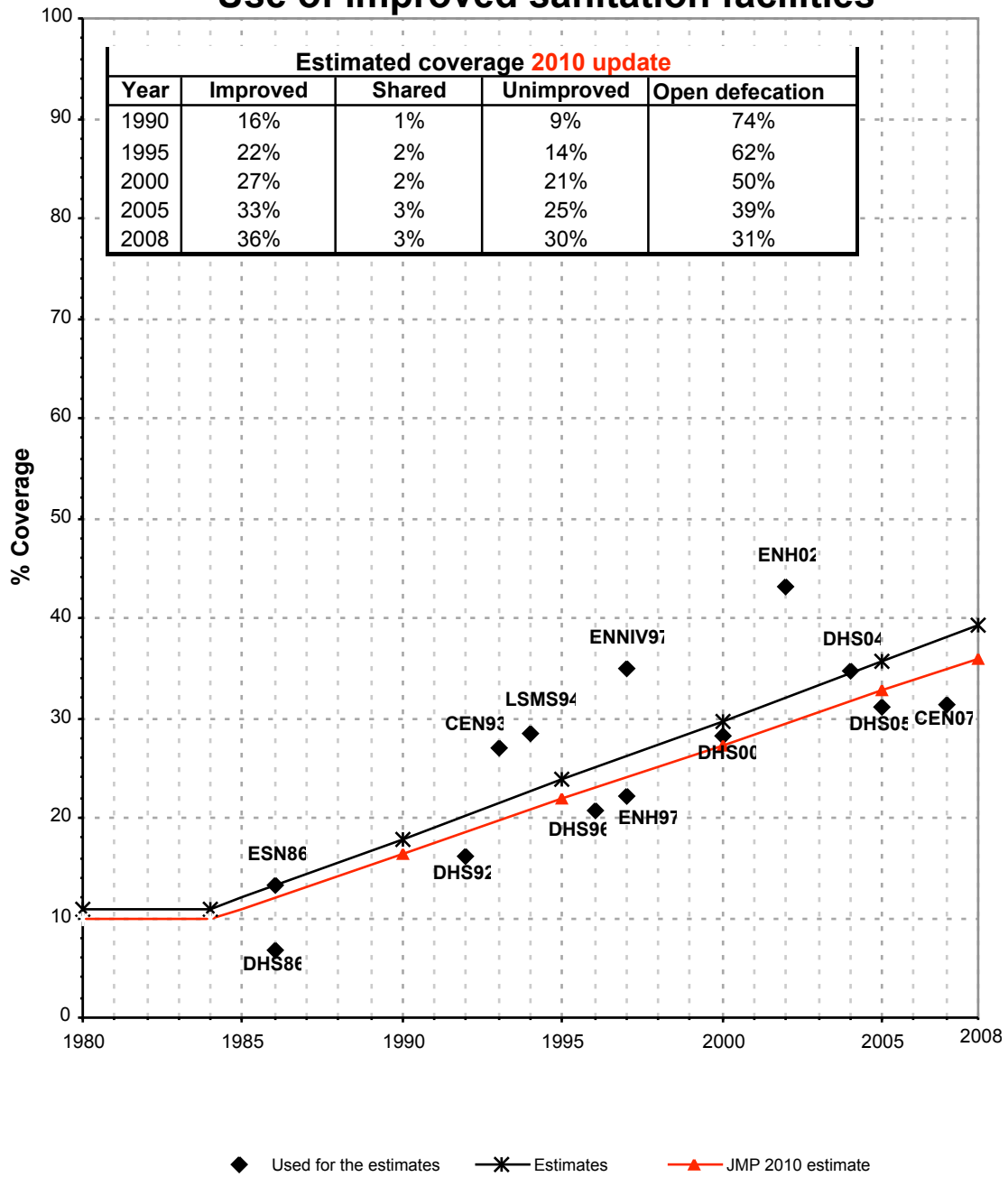
Peru			SANITATION															
			URBAN								RURAL							
			Sewer connection		Total		Open defecation		Shared		Sewer connection		Total		Open defecation		Shared	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Encuesta sobre niveles de vida y sector informal	ESN86	1986	70.7		81.8		18.2				6.1		13.4		86.6			
Demographic and Health Survey	DHS86	1986	63.5		70.6		27.5				3.1		6.7		92.9			
Demographic and Health Survey	DHS92	1992	61.2		75.9		9.1		9.0		0.7		16.3		63.4		12.3	
National Census	CEN93	1993	74.7		82.5		17.5				18.9		27.0		73.0			
Living Standarts Measurement Survey	LSMS94	1994	71.7		84.6		8.1				2.9		28.6		53.2			
Demographic and Health Survey	DHS96	1996	65.6		79.4		9.2		13.4		2.3		20.8		62.0		11.7	
Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe	ENNIV97	1997	76.7		86.5		8.0				9.7		34.9		46.7			
Global Water Supply and Sanitation Assessment 2000.	JMP99	1998		67.0		89.5						21.8		39.5				
Demographic and Health Survey	DHS00	2000	71.8		83.8		8.2		8.6		4.5		28.3		51.4		8.6	
Demographic and Health Survey	DHS04	2004	79.6		90.4		2.7		11.8		6.7		34.8		41.4		6.9	
Demographic and Health Survey	DHS05	2005	79.9		90.4		2.6		6.4		4.9		31.1		43.8		2.4	
Enquesta Nacional de Hogares	ENH02	2002	79.6		89.8		4.1				18.0		43.1		38.6			
Censos Nacionales de Poblacion y de Vivienda	CEN07	2007	71.6		83.0		9.1				2.5		31.3		42.0			
Encuesta Nacional de Hogares	ENH97	1997	73.9		81.5		8.9				3.8		22.1		57.4			

Peru - urban - Use of improved sanitation facilities



■ Used for the estimates * Estimates ▲ JMP 2010 estimate

Peru - rural - Use of improved sanitation facilities



Sanitation

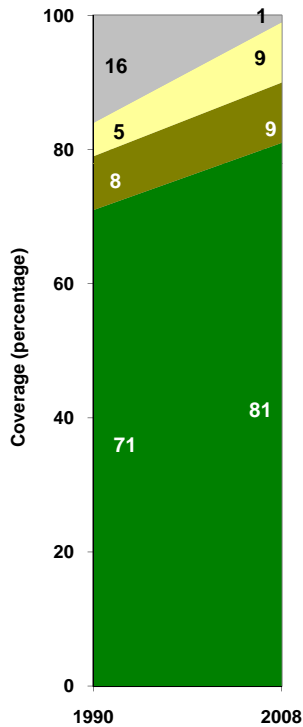
Peru	Sanitation coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Improved facilities	71	81	16	36	54	68
Shared facilities	8	9	1	3	6	7
Unimproved facilities	5	9	9	30	6	15
Open defecation	16	1	74	31	34	10

Source: WHO/UNICEF JMP, 2010

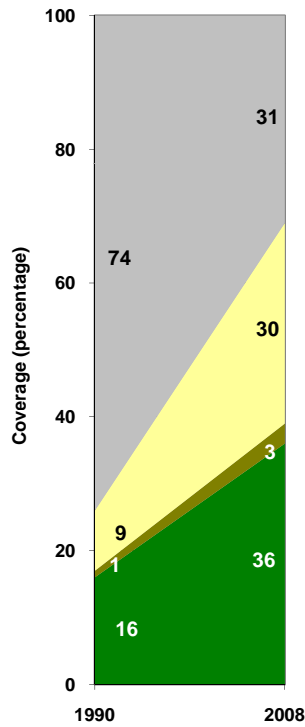
Peru	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	15,004	20,587	6,772	8,250	21,776	28,837

Source: UN / Population Division, 2008

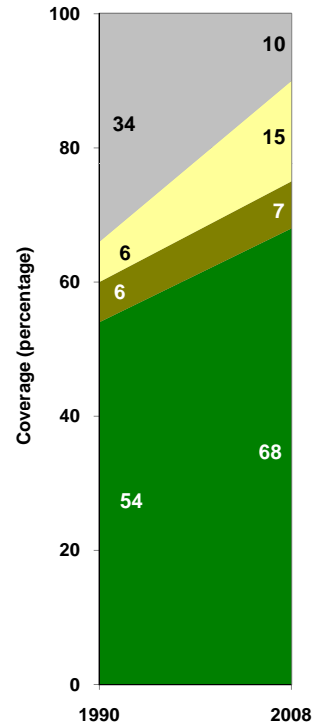
Urban sanitation trends



Rural sanitation trends



Total sanitation trends



■ Open defecation
 ■ Unimproved facilities
 ■ Shared facilities
 ■ Improved facilities

■ Open defecation
 ■ Unimproved facilities
 ■ Shared facilities
 ■ Improved facilities

■ Open defecation
 ■ Unimproved facilities
 ■ Shared facilities
 ■ Improved facilities