



WHO / UNICEF

**Joint Monitoring Programme
for Water Supply and Sanitation**

Coverage Estimates
Improved Drinking Water

Updated in June 2006

Peru

Urban and Rural Water - Peru

Survey

ESN		1986		
WATER	Urban*	Rural	Total	
Servicio publico dentro del domicilio	70,2	14,7	44,5	
Servicio publico fuera del domicilio	10,1	1,9	6,3	
Pilon	5,6	5,2	5,4	
Pozo	4,1	16,5	9,8	
Rio/ manantial	0,3	58,5	27,2	
Camion	4,8	1,5	3,3	
Otro	5,0	1,5	3,4	
TOTAL	100,0	100,0	100,0	
Protected wells estimated at 50 % of all wells	2,0	8,2	4,9	
Improved water (excl. Pozo)	85,8	21,9	56,3	
Improved water (incl. Pozo)	89,9	38,4	66,1	
Access to improved drinking water source (incl. 50 % Pozo)	88%	30%	61%	
% House connections	70%	15%	45%	

Source: Encuesta sobre niveles de vida y sector informal en el Peru, Primeros Resultados, 1986 Peru

* combination of capitol + other urban, assuming sample size was proportional to population

DHS		1986	
WATER	Urban	Rural	
Household connection	72,67	8,64	
Household connection (neighbour's)	1,88	0,09	
Public connection outdoors	5,66	0,44	
Public standpipe	6,32	4,64	
Well	5,29	23,32	
Spring	0,28	24,24	
River, irrigation channel	0,41	32,21	
Tanker truck	6,76	3,25	
other	0,58	3,17	
missing information	0,14	0	
TOTAL	99,99	100	
All wells & springs	5,57	47,56	
Protected wells & spring s estimated at 50 % of all wells & springs	2,785	23,78	
improved water (excl. wells & springs)	86,53	13,81	
improved water (incl. Wells & springs)	92	61	
Access to improved drinking water source (incl. % safe Wells & springs)	89%	38%	
% House connections	73%	9%	

Source: Demographic & Health Survey I, 1986 Peru

DHS		1992	
WATER	Urban	Rural	
Household connection	75,2	18	
Connection outdoors	5,1	4	
Public standpipe	8,2	6,7	
Private well	3,9	5,6	
Public well	1,9	9	
Spring	0,9	22	
River, irrigation channel	0,8	25,8	
Rainwater	0	0	
Tanker truck	1	1,4	
Other	2,8	7,1	
TOTAL	99,8	99,6	
All wells & springs	6,7	36,6	
Protected wells & spring s estimated at 50 % of all wells & springs	3,35	18,3	
improved water (excl. wells & springs)	88,5	28,7	
improved water (incl. Wells & springs)	95	65	
Access to improved drinking water source (incl. % safe Wells & springs)	92%	47%	
% House connections	75%	18%	

Source: DHS 1991-92, Peru

LSMS		1994	
WATER	Urban	Rural	
INSIDE THE HOUSE	80,7	23,1	
OUTSIDE THE HOUSE, BUT INSIDE THE COMPOUND.	3,5	1,4	
PUMP	4,7	4,8	
WELL	4,2	21,7	
RIVER OR STREAM	1,2	47,2	
WATER TANK OR SELLER	2,9	0,6	
OTHER	2,7	1,1	
TOTAL	99,9	99,9	
Estimated 50% of protected wells	2,1	10,9	
Access to improved drinking water sources	91%	40%	
% House connections	81%	23%	

Source: LIVING STANDARDS MEASUREMENT STUDY SURVEY, Peru, 1994

Urban and Rural Water - Peru

DHS 1996		
WATER	Urban	Rural
Household connection to system	71,7	25,5
Building connection to system	3,6	1,9
Public standpipe	8,6	5,7
Well in house or yard	2,7	5,5
Public well	1,7	7,1
Spring	0,4	24,6
River/ irrigation channel	0,6	2,2
Rainwater	0	0,2
Tanker truck	6,8	0,1
Other	3,8	7,2
TOTAL	99,9	99,8
All wells & springs	4,8	37,2
Protected wells & springs estimated at 50 % of all wells & springs	2,4	18,6
Improved water (excl. wells & springs)	83,9	33,3
Improved water (incl. Wells & springs)	89	71
Access to improved drinking water source (incl. % protected Wells & springs)	86%	52%
% House connections	75%	27%

Source: Demographic & Health Survey I, 1996, Peru

ENNIV 1997		
WATER	Urban	Rural
Red publica dentro de la vivienda	79,8	39,0
Red publica fuera de la vivienda pero dentro del edificio	4,7	3,0
Pilon	2,7	7,6
Pozo	3,1	14,3
Rio, acqueia o manantial	3,8	32,7
Camion tanque, aguatero	3,4	1,9
Otro	2,5	1,5
TOTAL	100	100
All wells	3,1	14,3
Protected wells estimated at 50 % of all wells	1,55	7,15
Improved water (excl. wells & springs)	87,2	49,6
Improved water (incl. Wells & springs)	90,3	63,9
Access to improved drinking water source (incl. % protected Wells & springs)	89%	57%
% House connections	85%	42%

Source: Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe, Peru, PAHO, Feb 2004, based on ENNIV 1997

Census 1993		
(Population in thousands)		
WATER	Urban	Rural
Household Connection	9 697,3	429,1
Shared connection outside home	638,6	19,8
Public Standpipe		635,4
Well	804,8	1 622,1
Tanker or Other	899,2	128,4
River/Spring, etc	416,3	4 423,4
Other	307,8	204,8
Not Specified	27,0	0,0
Total Population Served (Excl. Well)	10 335,9	1 084,3
TOTAL	12 791,0	7 463,0
% of protected wells (=50%)	402,4	811,1
Improved water (excl. wells)	81%	15%
Improved water (incl. 100% of Wells)	87%	36%
Access to improved drinking water source (incl. % protected Wells & springs)	84%	25%
% House connections	76%	6%

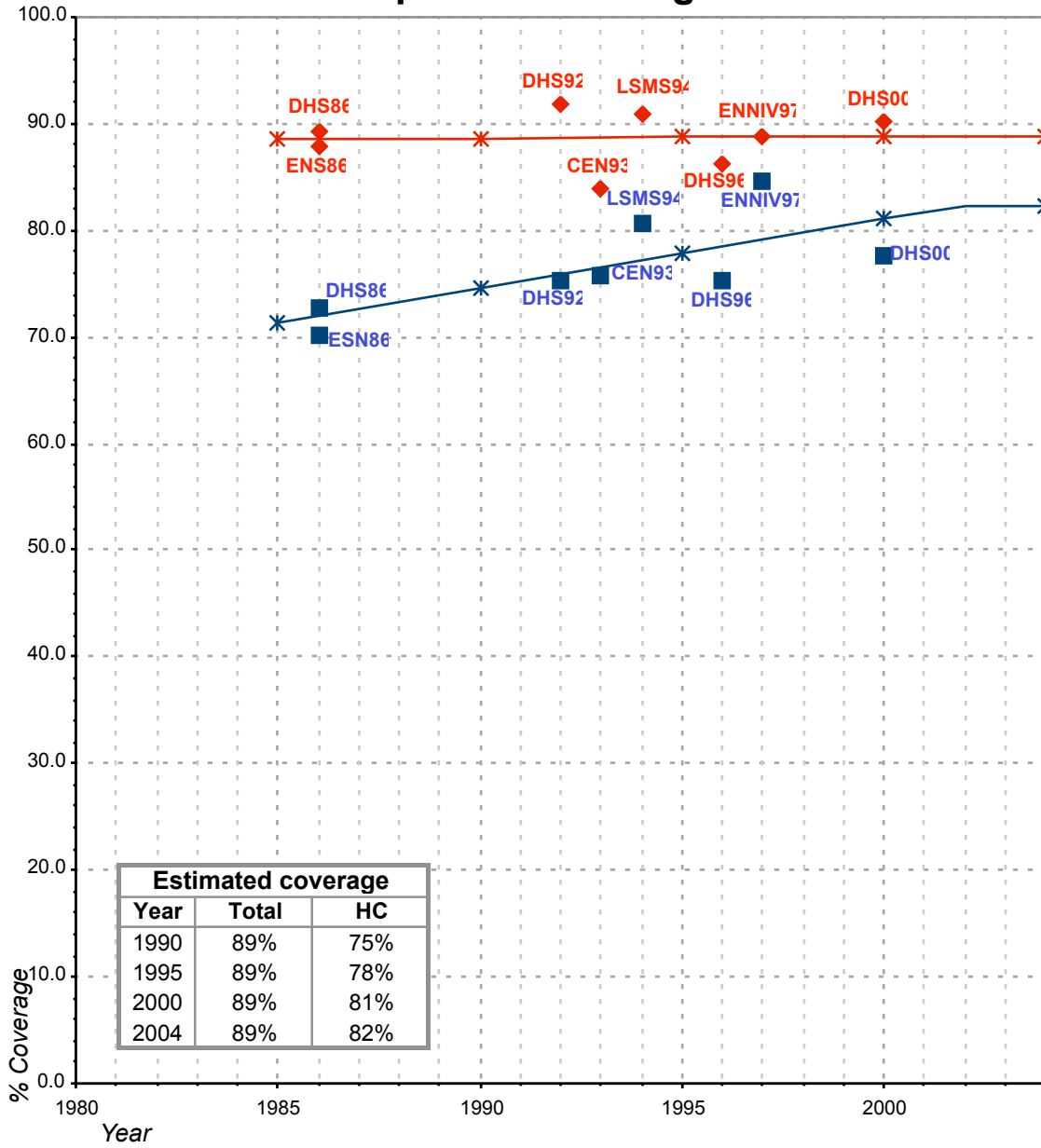
Source: 1993 census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1993

Estimate 1999		
(Population in thousands)		
WATER	Urban	Rural
Population served with household connection	12 927,6	2 286,6
Population without household connection but with reasonable access to a public water point	1 807,8	1 681,6
Total population served	14 735,4	3 968,2
Total population unserved	2 234,2	3 862,9
Total population	16 969,6	7 831,1
Access to improved drinking water source	87%	51%
% House connections	76%	29%

Source: Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999 (Form 6 - WHQ)

Peru			DRINKING WATER							
			URBAN				RURAL			
			HC		Total		HC		Total	
Source	Code	Year	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates	Used for estimates	Not used for estimates
The International Drinking Water Supply and Sanitation Decade. Review of National Baseline Data (as at December 1980). WHO 1984	WHO80	1980		57.0		68.0				21.0
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1983). WHO 1986.	WHO83	1983		66.0		73.0				18.0
The International Drinking Water Supply and Sanitation Decade. Review of Mid-Decade Progress (as at December 1985). WHO 1987.	WHO85	1985		61.0		73.0				17.0
Source: Encuesta sobre niveles de vida y sector informal en el Peru, Primeros Resultados, 1986 Peru	ESN86	1986	70.2		87.9		14.7		30.2	
Demographic & Health Survey, Peru 1986.	DHS86	1986	72.7		89.3		8.6		37.6	
The International Drinking Water Supply and Sanitation Decade. Review of National Progress (as at December 1988). WHO 1990.	WHO88	1988		62.0		78.0				22.0
The International Drinking Water Supply and Sanitation Decade. End of Decade Review (as at December 1990). WHO1992.	WHO90	1990		56.0		68.0				24.0
Demographic & Health Survey, Peru 1991.	DHS92	1992	75.2		91.9		18.0		47.0	
Water Supply and Sanitation Sector Monitoring Report 1993 (Sector Status as of 31 December 1991)	JMP93	1991				76.0				76.0
1993 census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999 (Form 4 sent to WHO)	CEN93	1993	75.8		84.0		5.7			25.0
Water Supply and Sanitation Sector Monitoring Report - 1996. Sector Status as of 31 December 1994. WHO/UNICEF 1996.	JMP96	1994				74.0				24.0
Demographic & Health Survey, Peru 1996.	DHS96	1996	75.3		86.3		27.4		51.9	
Desigualdades en el acceso, uso y gasto con el agua potable en America Latina y el Caribe, Peru, PAHO, Feb 2001, based on ENNIV 1997	ENNIV97	1997	84.5		88.8		42.0		56.8	
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. (Form 6 sent to WHO)	JMP99	1998		76.2		87.0		29.2		51.0
Peru Demographic and Health Survey 2000.	DHS00	2000	77.7		90.2		35.0		63.5	
LIVING STANDARDS MEASUREMENT STUDY SURVEY, Peru, 1994	LSMS94	1994	80.7		91.0		23.1		40.2	

Peru - urban - Access to improved drinking water sources



Total improved access

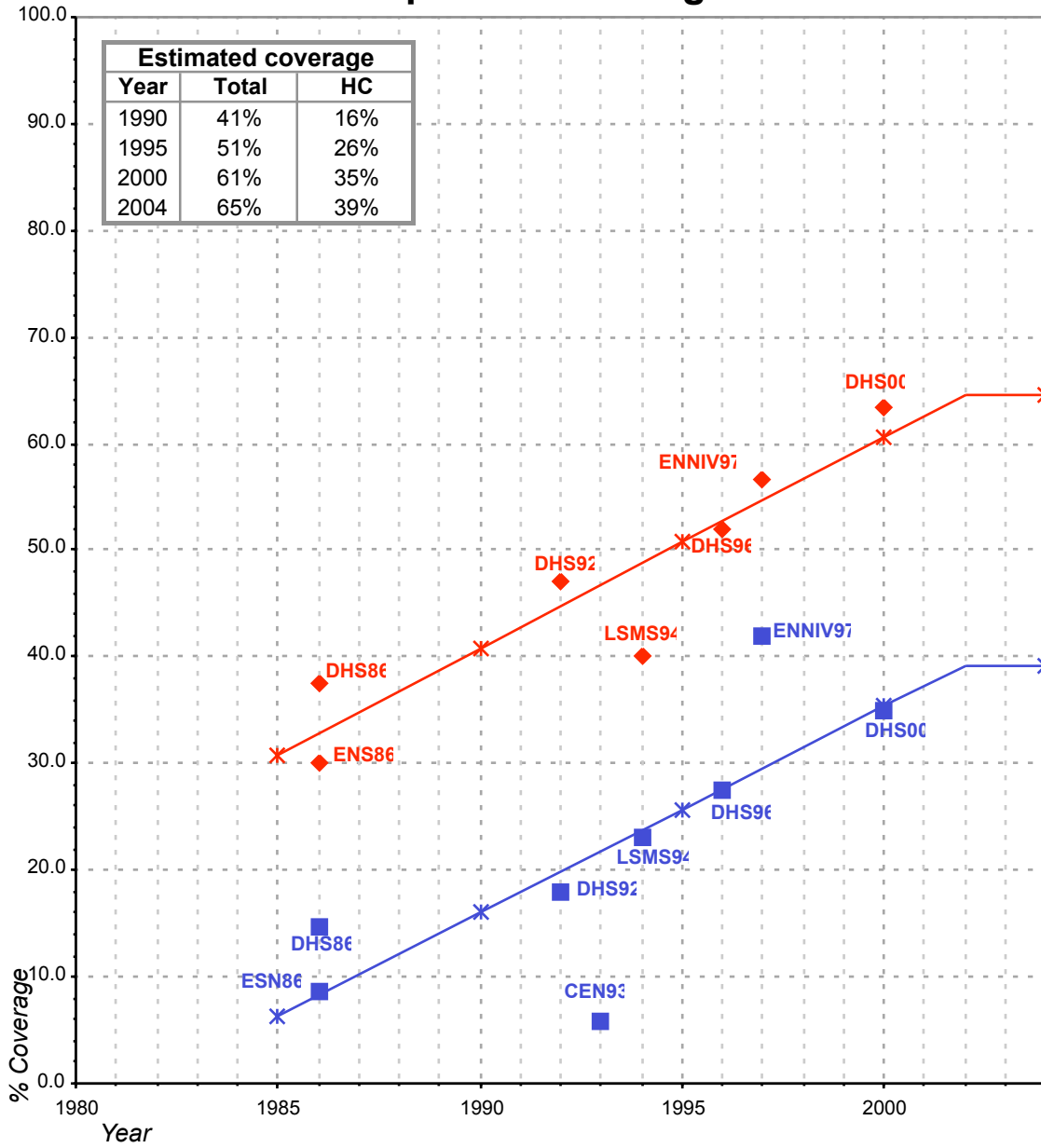
Household connections (HC)

- ◆ Used for estimates
- ✱ Estimates

- Used for estimates
- ✱ Estimates

Total access :
Household connections :

Peru - rural - Access to improved drinking water sources



Total improved access

- ◆ Used for estimates
- ✱ Estimates

Household connections (HC)

- Used for estimates
- ✱ Estimates

Total access :
Household connections :