



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% |

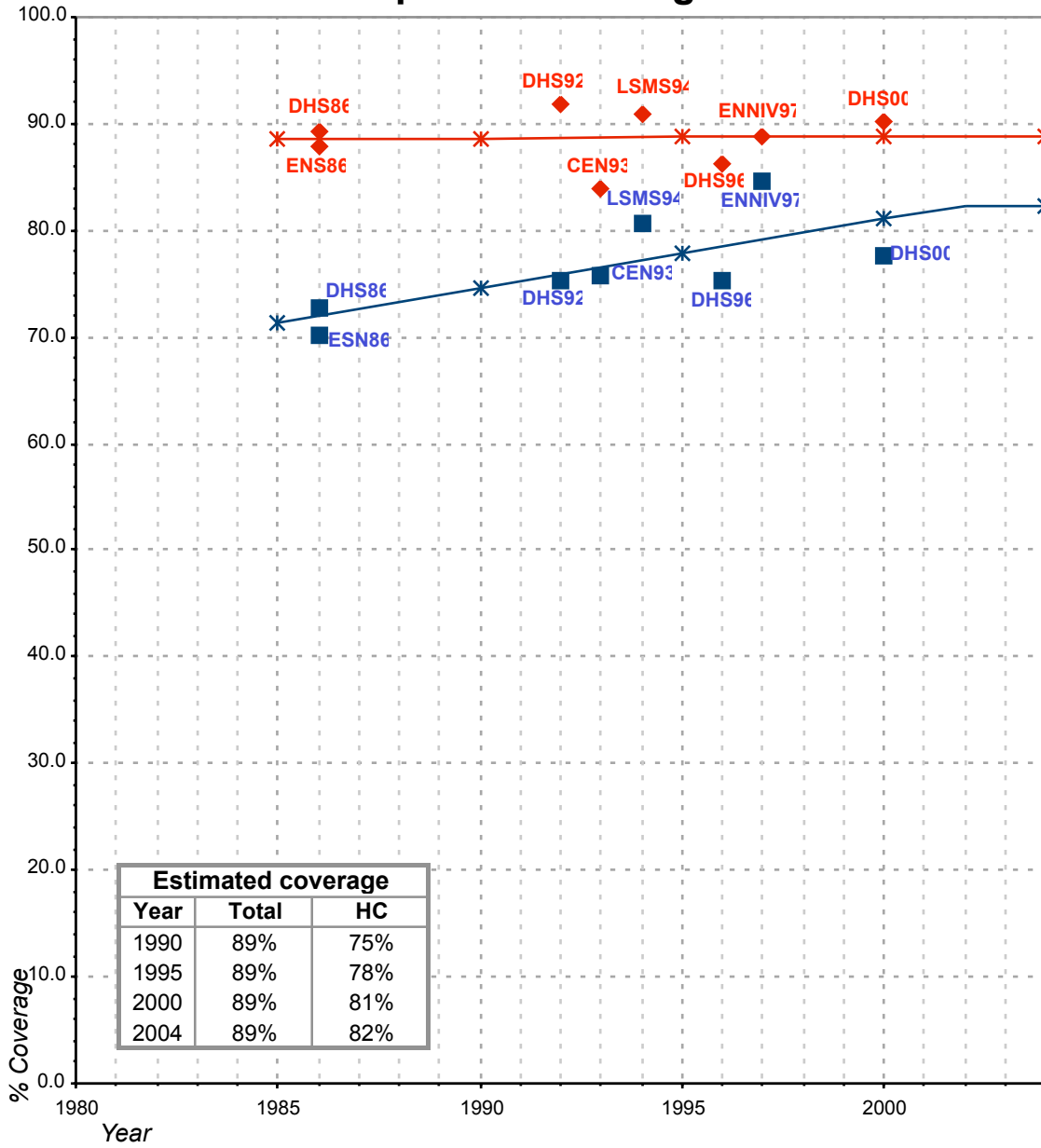
Source: Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999 (Form 6 - WHQ)

| DHS 2000 | | |
|--|--------------|--------------|
| WATER | Urban | Rural |
| Red publica dentro de la vivienda | 77,7 | 35 |
| Red publica fuera de la vivienda | 4,6 | 2,3 |
| Pilon /grifo publico/ | 5,3 | 8,3 |
| Pozo en la casa /patio | 2,2 | 5 |
| Pozo publico | 2,1 | 7 |
| Manantial | 0,9 | 23,8 |
| Rio/acequia | 0,4 | 15,7 |
| Camion tanque | 4,2 | 1,1 |
| Otro | 2,4 | 1,6 |
| TOTAL | 99,8 | 99,8 |
| Estimated 50% of "Pozo" and "Manantial" | 2,6 | 17,9 |
| | | |
| Access to improved drinking water sources | 90% | 64% |
| % House connections | 78% | 35% |

Source: Peru Demographic and Health Survey 2000.

| 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

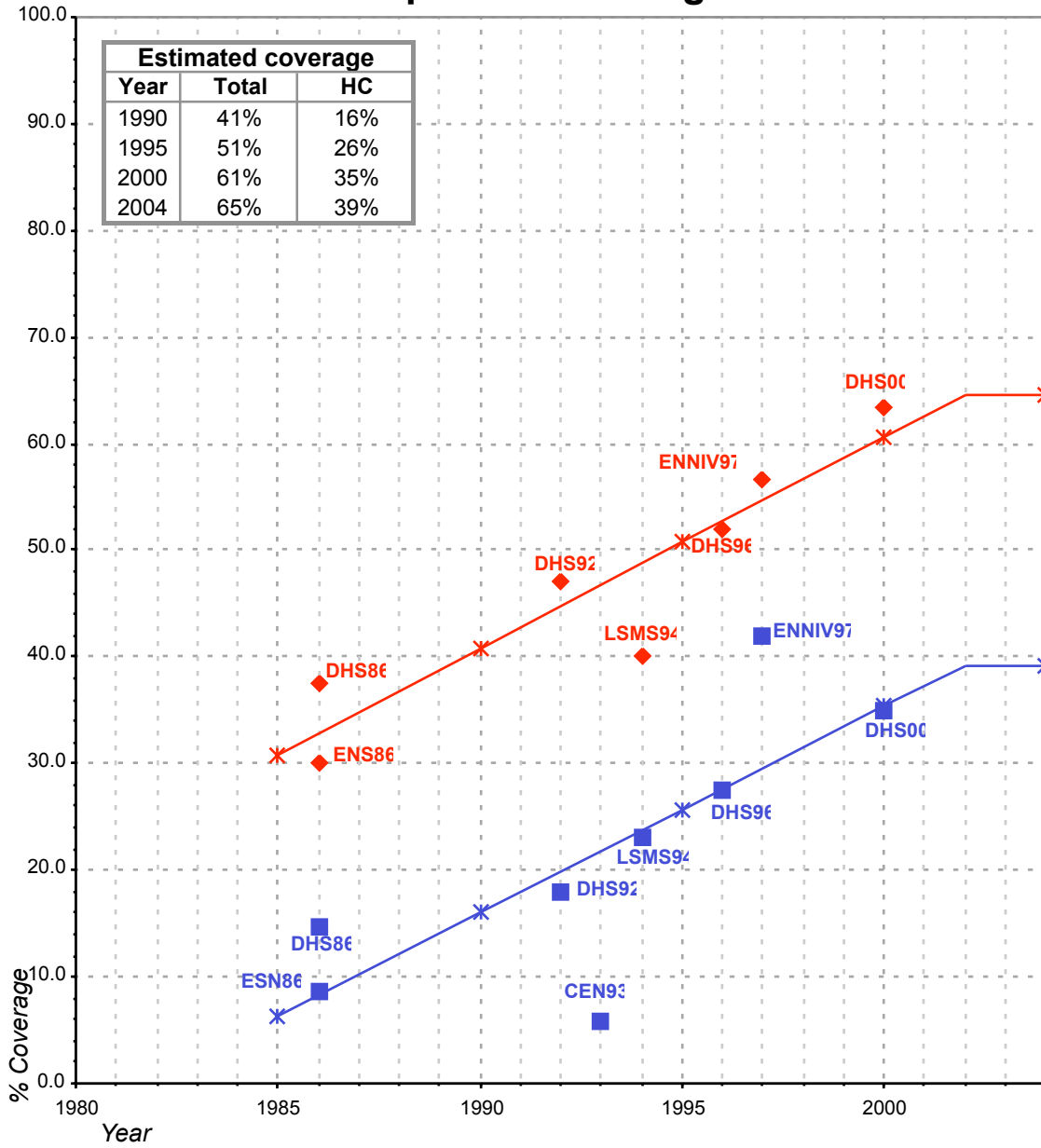
Household connections (HC)

- ◆ 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 :