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CIHI Country Health Profile Series

PERU

Health Statistics Report 1996



Center for International Health Information
1601 N. Kent Street, Suite 1014
Arlington, VA 22209

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The Center for International Health Information

1601 N. Kent Street, Suite 1014

Arlington, VA 22209

(703) 524 - 5225

FAX (703) 243 - 4669

E-Mail address: info@cihi.com

Internet address: www.cihi.com

PERU

Health Statistics Report

This is part of a series of Country Health Profiles produced by the Center for International Health Information (CIHI). Each profile provides quantitative data on current health and demographic conditions in a developing country. Profile information is compiled from CIHI's databases and reference library and through research and analysis of other data sources.

CIHI's Health Statistics Reports are intended to provide data in a concise format for individuals and organizations involved in health sector policy and decision-making. Contact CIHI at the address on the preceding page for information on the availability of country health profiles and health statistics reports, or look for these reports on the Internet at the following address: *www.cihi.com*.

In order to enable CIHI to report the most current health and demographic data, readers are encouraged to provide any more recent or more accurate information by contacting the center directly or through USAID's Office of Health and Nutrition.

EDITOR'S NOTES

1. Data Notes. For definitions of indicators and commentary regarding their derivation, the reader is referred to Section II.

2. References & Sources. Sources in this profile are referred to by a seven-digit code. Generally, the first three letters refer to a source institution, the following two numbers refer to the year of publication or transmittal, and the final two numbers uniquely identify the individual source. A complete list of sources appears in Section III.

3. Comparative Graphs and Tables. Unless otherwise specified, indicator values for country groupings are median values for the countries in each aggregate grouping for which data are available. Regional groupings include: (1) Sub-Saharan Africa, which includes the 47 countries comprising USAID's Africa Region; (2) No. Africa & Mideast, which corresponds to USAID's Near East Sub-region and includes 21 countries from Morocco in the West to Afghanistan in the East; (3) Asia, which corresponds to USAID's Asia Sub-region and includes 24 developing countries from Pakistan eastward; (4) Latin Am. & Carib. which includes 46 countries of Central and South America and the Caribbean and corresponds to USAID's Latin America and Caribbean region. Income groupings are based on the classifications used by the United Nations' Human Development Report 1995, which are defined as: (1) Low -Income Countries (GNP per capita = \$696 or less), (2) Middle-Income Countries (GNP/capita \$696-\$8,625); (3) High-Income Countries (GNP/capita >\$8,625). "Developing Countries" indicators are based on 107 countries which are not regarded as "Established Market Economies" by the World Bank's World Development Report 1994.

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I: HEALTH & DEMOGRAPHIC OVERVIEW

Current Demographic and Health Indicators

Demographic Indicators			
INDICATOR	VALUE	YEAR	SOURCE
Total population (000s)	24,087	1995	BUC9401
Urban percent	72	1995	UNP9400
Women ages 15-49 (000s)	6,183	1995	CAL9602
Infant mortality rate	52	1995	JEE9512
Under 5 mortality rate	72	1995	JEE9507
Maternal mortality rate	280	1990	UN9601
Life expectancy at birth	67	1995	UNP9400
Number of births (000s)	638	1995	CAL9603
Annual infant deaths (000s)	33	1995	CAL9604
Total fertility rate	3.5	1995	PRB9601

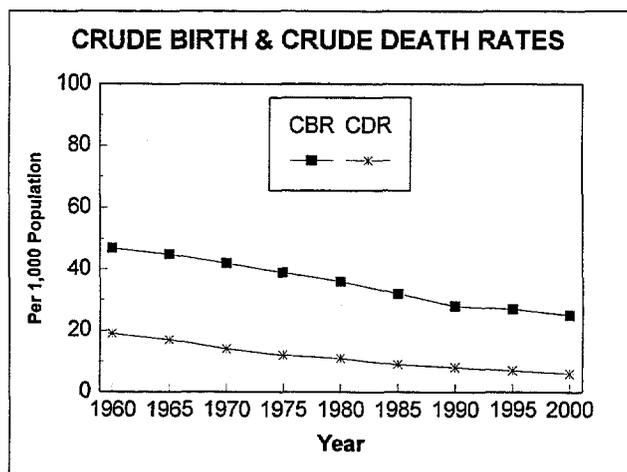
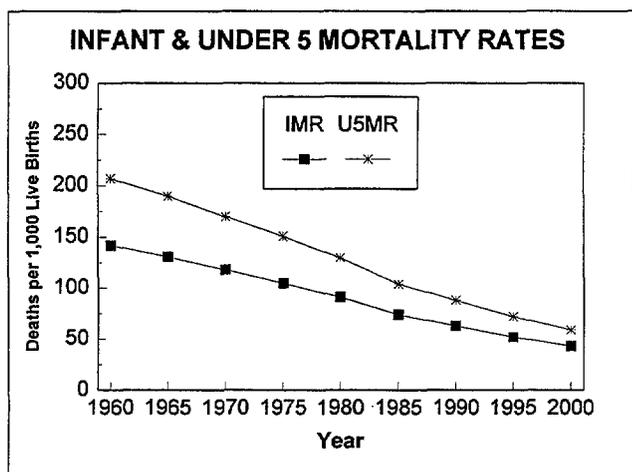
Child Survival Indicators			
INDICATOR	VALUE	YEAR	SOURCE
Vaccination Coverage (%)			
BCG	95	1995	WHE9601
DPT3	94	1995	WHE9601
Measles	97	1995	WHE9601
Polio 3	92	1995	WHE9601
TT2+	21	1995	WHE9601
DPT drop out rate	32	1992	DHS9207
Oral Rehydration Therapy (%)			
ORS access rate	28	1992	WHD9300
ORT use rate	32	1992	DHS9207
Contraceptive Prevalence (%)			
CPR, modern methods	34	1992	DHS9207
CPR, all methods	61	1992	DHS9207
Nutrition (%)			
Adequate nutritional status	84	1992	DHS9207
Exclusive breastfeeding	41	1992	DHS9207
Complementary feeding	62	1992	DHS9207
Continued breastfeeding	68	1992	DHS9207

Other Health Indicators			
INDICATOR	VALUE	YEAR	SOURCE
HIV Prevalence			
Adults (per 100,000)	248	1994	WHO9601
Access to Improved Water (%)			
Urban	75	1990	AID9319
Rural	30	1990	AID9319
Access to Sanitation (%)			
Urban	62	1990	AID9319
Rural	23	1990	AID9319
Delivery Conditions			
Deliveries by trained attendants (%)	53	1992	DHS9207

NA=Notavailable

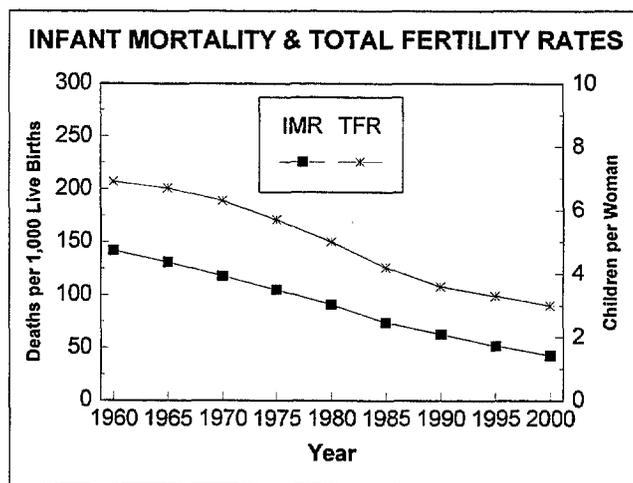
Trends in Selected Demographic and Health Indicators

INDICATOR	1960	1965	1970	1975	1980	1985	1990	1995	2000	SOURCE
Infant Mortality Rate	142	131	118	105	91	74	63	52	43	JEE9512
Under 5 Mortality Rate	207	190	170	151	130	104	88	72	59	JEE9507
Crude Birth Rate	47	45	42	39	36	32	28	27	25	UNP9400
Crude Death Rate	19	17	14	12	11	9	8	7	6	UNP9400
Avg Annual Growth	2.8	2.8	2.8	2.7	2.5	2.2	2.0	1.9	1.8	UNP9400
Total Fertility Rate	6.9	6.7	6.3	5.7	5.0	4.2	3.6	3.3	3.0	UNP9400



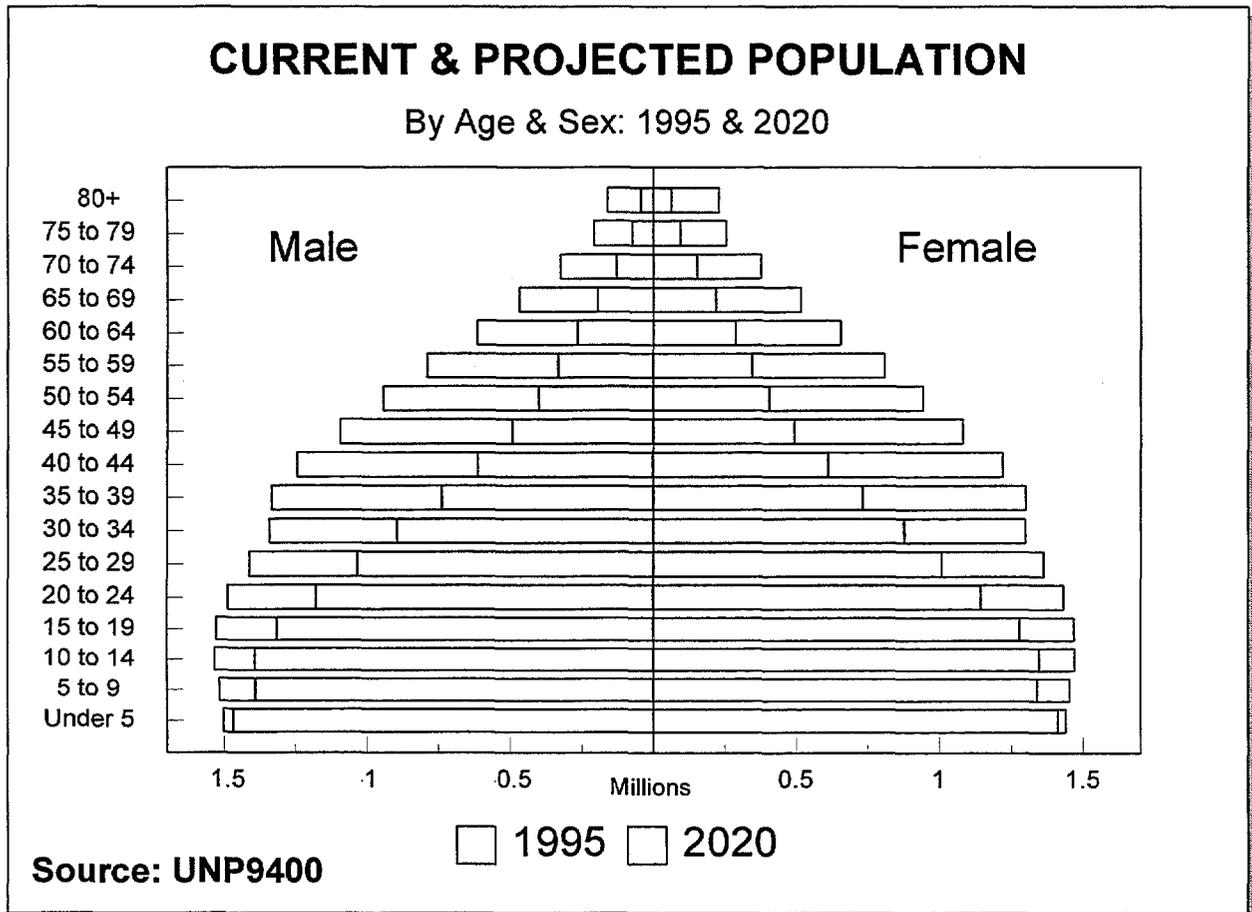
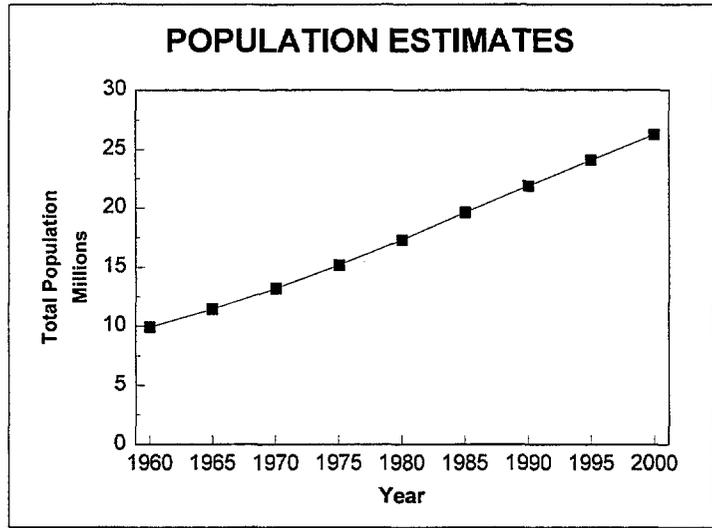
IMR and TFR

The relationship between IMR and TFR is currently a subject under review by the scientific community. While there is not conclusive evidence that the IMR and TFR are causally linked and necessarily decline together, there is empirical evidence for suspecting that such a reinforcing relationship exists as the pattern is observable in most countries.



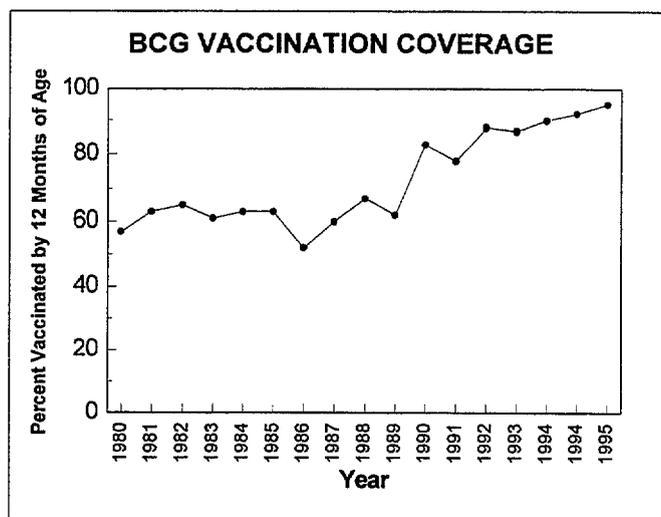
Population Estimates/Pyramid

POPULATION ESTIMATES		
YEAR	VALUE	SOURCE
1960	9,931,000	BUC9401
1965	11,467,300	BUC9401
1970	13,192,800	BUC9401
1975	15,161,000	BUC9401
1980	17,295,300	BUC9401
1985	19,627,700	BUC9401
1990	21,878,900	BUC9401
1995	24,087,400	BUC9401
2000	26,257,900	BUC9401

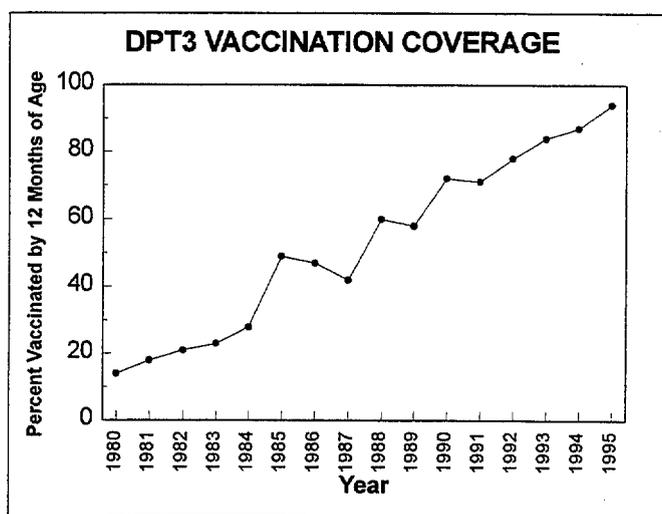


Trends in Selected Health and Child Survival Indicators

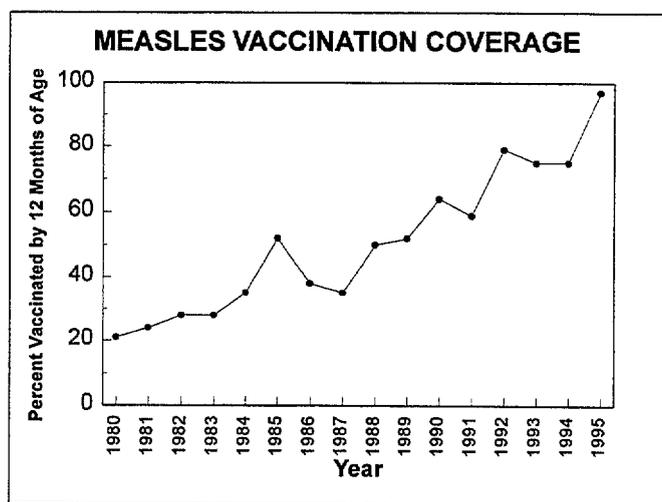
Vaccination Coverage Rates



BCG COVERAGE		
YEAR	PERCENT	SOURCE
1980	57	WHE8700
1981	63	WHE8700
1982	65	WHE8700
1983	61	WHE8900
1984	63	WHE8700
1985	63	AID9007
1986	52	AID9007
1987	60	AID9007
1988	67	AID9007
1989	62	AID9002
1990	83	WHE9100
1991	78	WHE9200
1992	88	DHS9207
1993	87	WHE9403
1994	90	WHE9501
1994	92	WHE9502
1995	95	WHE9601

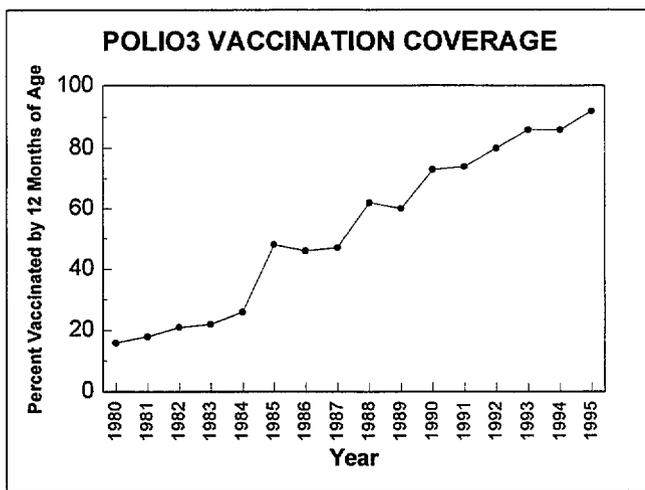


DPT3 COVERAGE		
YEAR	PERCENT	SOURCE
1980	14	WHE8700
1981	18	WHE8700
1982	21	WHE8700
1983	23	WHE8900
1984	28	WHE8700
1985	49	AID9007
1986	47	AID9007
1987	42	AID9007
1988	60	AID9007
1989	58	AID9002
1990	72	WHE9100
1991	71	WHE9200
1992	78	AID9202
1993	84	WHE9403
1994	87	WHE9502
1995	94	WHE9601

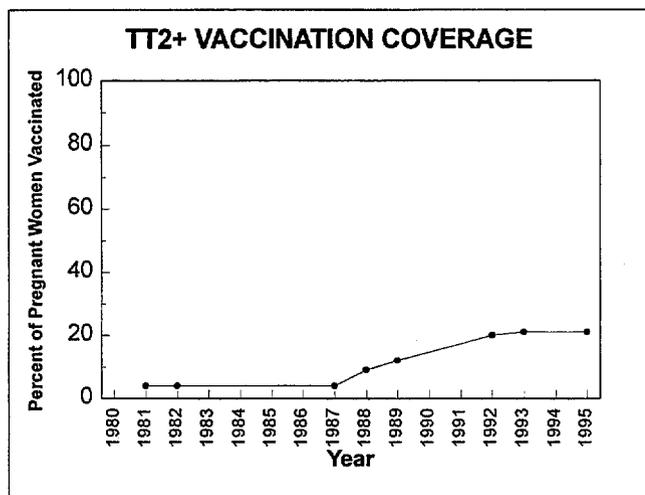


MEASLES COVERAGE		
YEAR	PERCENT	SOURCE
1980	21	WHE8700
1981	24	WHE8700
1982	28	WHE8700
1983	28	WHE8700
1984	35	WHE8700
1985	52	AID9007
1986	38	AID9007
1987	35	AID9007
1988	50	AID9007
1989	52	AID9002
1990	64	WHE9100
1991	59	WHE9200
1992	79	AID9202
1993	75	WHE9403
1994	75	WHE9502
1995	97	WHE9601

Vaccination Coverage Rates, continued

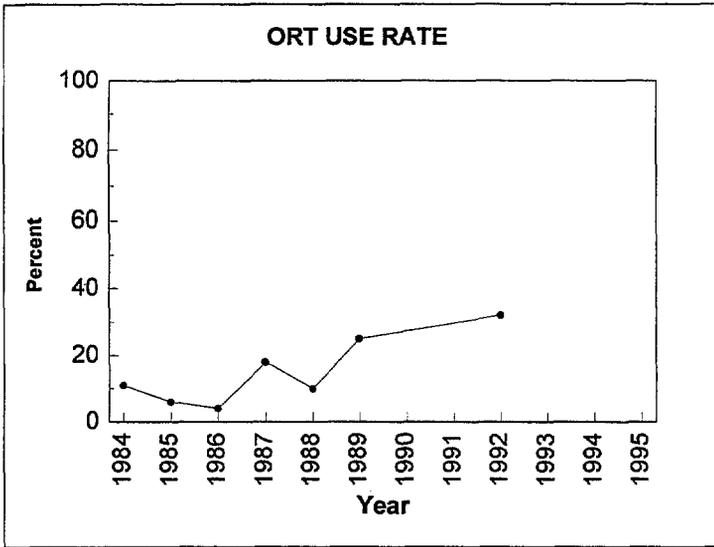


POLIO3 COVERAGE		
YEAR	PERCENT	SOURCE
1980	16	WHE8801
1981	18	WHE8700
1982	21	WHE8700
1983	22	WHE8900
1984	26	WHE8700
1985	48	AID9007
1986	46	AID9007
1987	47	AID9007
1988	62	AID9007
1989	60	AID9002
1990	73	WHE9100
1991	74	WHE9200
1992	80	AID9202
1993	86	WHE9403
1994	86	WHE9501
1995	92	WHE9601



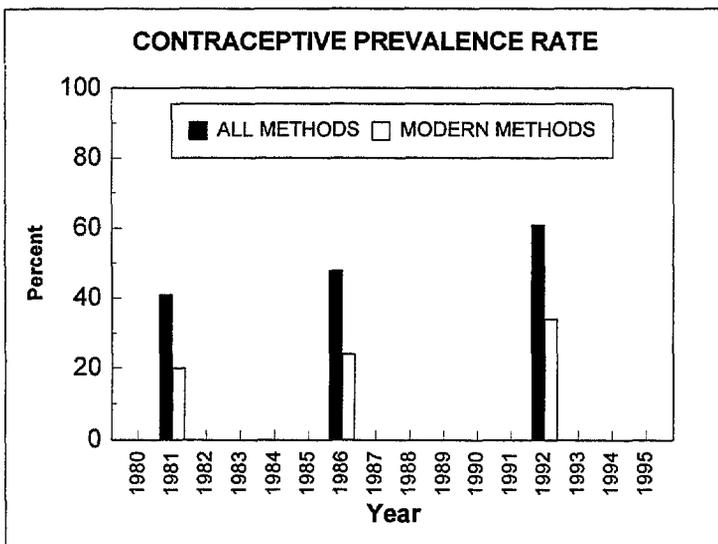
TT2+ COVERAGE		
YEAR	PERCENT	SOURCE
1980	NA	
1981	4	WHE8700
1982	4	WHE8700
1983	NA	
1984	NA	
1985	NA	
1986	NA	
1987	4	WHE8900
1988	9	MRF8901
1989	12	WHE9200
1990	NA	
1991	NA	
1992	20	DHS9207
1993	21	WHE9403
1994	NA	
1995	21	WHE9601

ORT Use Rate



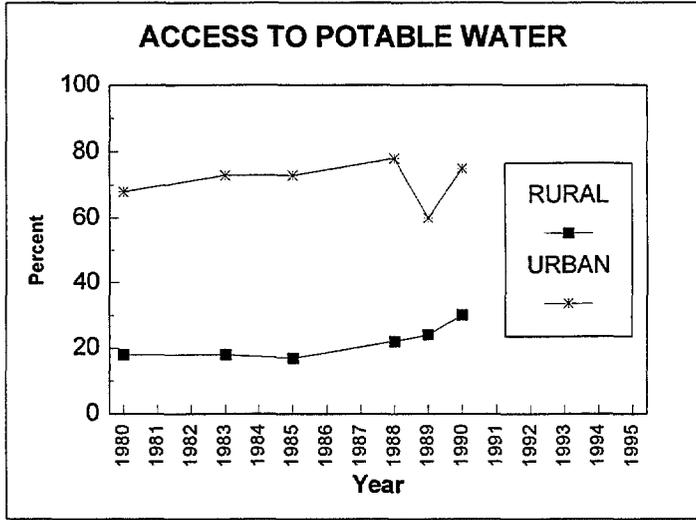
ORT USE RATE		
YEAR	PERCENT	SOURCE
1984	11	WHD8601
1985	6	WHD8700
1986	4	DHS8805
1987	18	WHD8900
1988	10	WHD9000
1989	25	WHD9100
1990	NA	
1991	NA	
1992	32	DHS9207
1993	NA	
1994	NA	
1995	NA	

Contraceptive Prevalence Rate



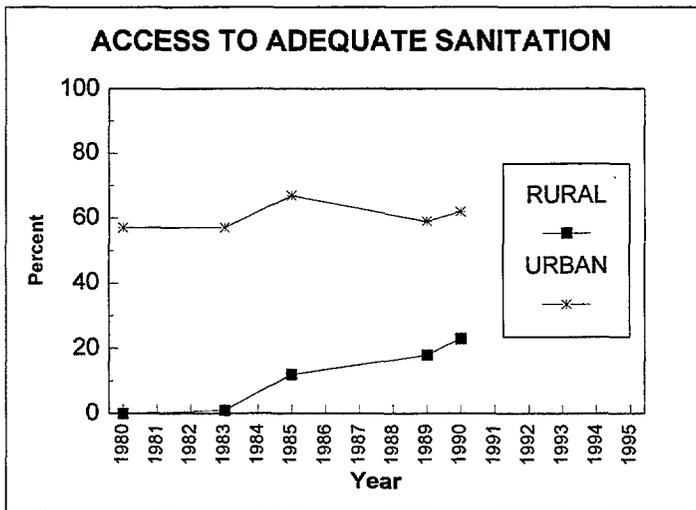
YEAR	ALL METHODS		MODERN METHODS	
	METHODS	SOURCE	METHODS	SOURCE
1980	NA		NA	
1981	41	BUC9401	20	BUC9401
1982	NA		NA	
1983	NA		NA	
1984	NA		NA	
1985	NA		NA	
1986	48	DHS8805	24	DHS8805
1987	NA		NA	
1988	NA		NA	
1989	NA		NA	
1990	NA		NA	
1991	NA		NA	
1992	61	DHS9207	34	DHS9207
1993	NA		NA	
1994	NA		NA	
1995	NA		NA	

Access to Potable Water



YEAR	RURAL	SOURCE	URBAN	SOURCE
1980	18	AID9001	68	AID9001
1981	NA		NA	
1982	NA		NA	
1983	18	WHO9101	73	WHO9101
1984	NA		NA	
1985	17	WHO9101	73	WHO9101
1986	NA		NA	
1987	NA		NA	
1988	22	WHO9101	78	WHO9101
1989	24	AID9001	60	AID9001
1990	30	AID9319	75	AID9319
1991	NA		NA	
1992	NA		NA	
1993	NA		NA	
1994	NA		NA	
1995	NA		NA	

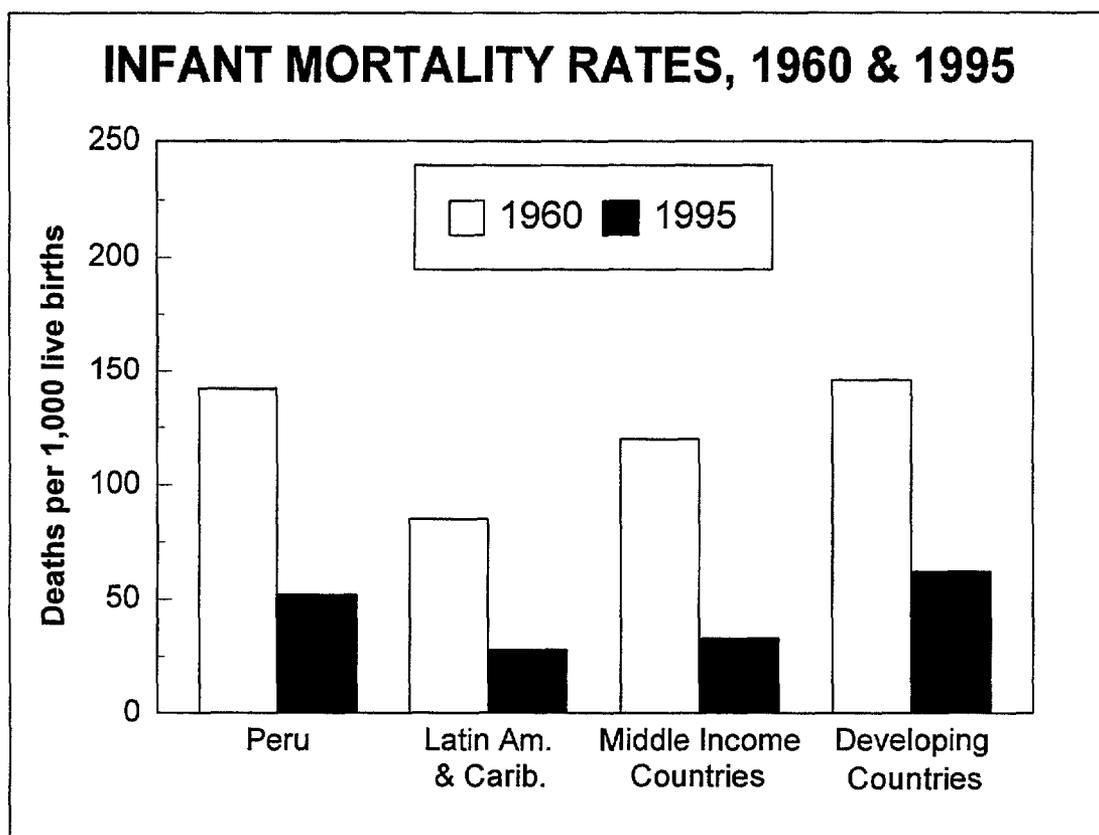
Access to Adequate Sanitation



YEAR	RURAL	SOURCE	URBAN	SOURCE
1980	0	AID9001	57	AID9001
1981	NA		NA	
1982	NA		NA	
1983	1	WHO9101	57	WHO9101
1984	NA		NA	
1985	12	WHO9101	67	WHO9101
1986	NA		NA	
1987	NA		NA	
1988	NA		NA	
1989	18	AID9001	59	AID9001
1990	23	AID9319	62	AID9319
1991	NA		NA	
1992	NA		NA	
1993	NA		NA	
1994	NA		NA	
1995	NA		NA	

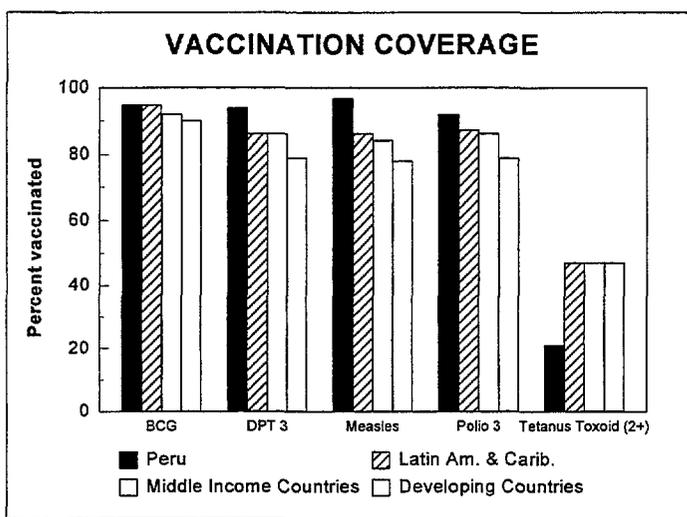
COMPARATIVE INDICATORS

Comparative Infant Mortality Rates



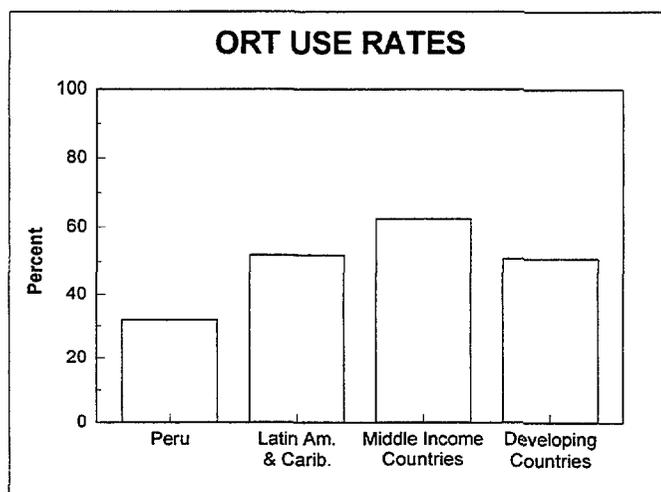
YEAR	1960	1995	Source
Peru	142	52	JEE9512
<i>Median values for country groupings:</i>			
Latin Am. & Carib.	85	28	CAL9606
Middle Income Countries	120	33	CAL9606
Developing Countries	146	62	CAL9606

Comparative Vaccination Coverage Rates



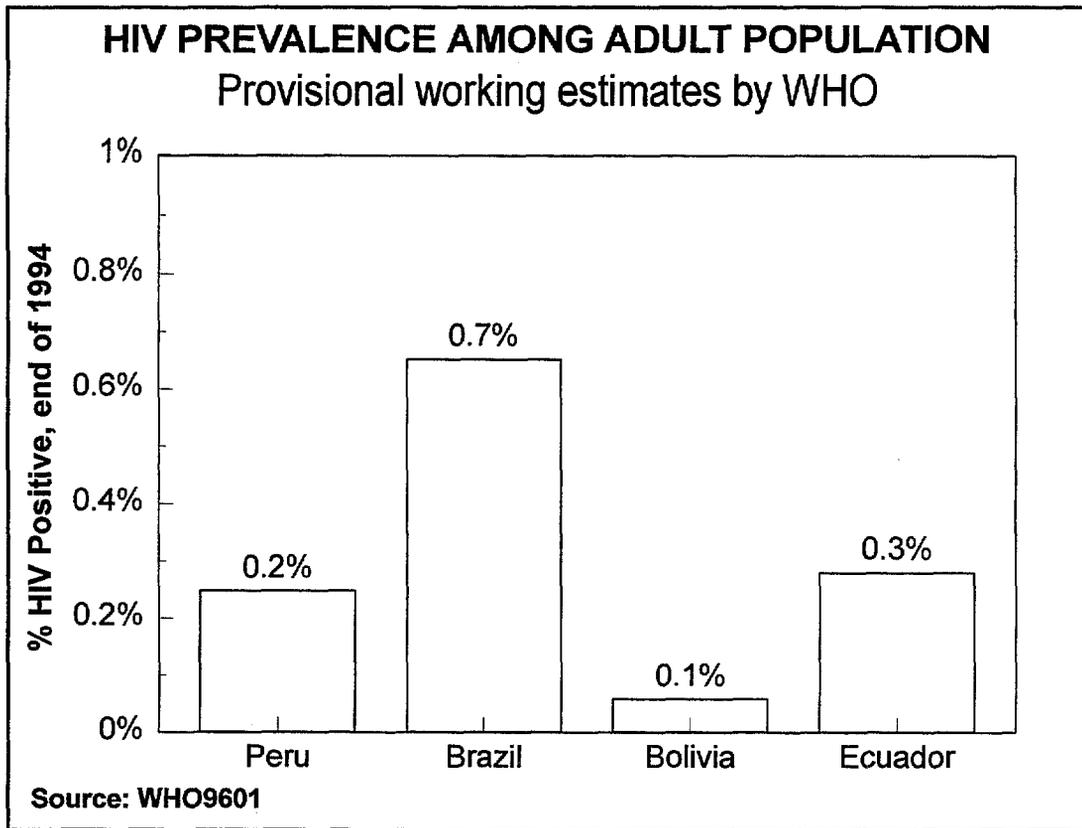
Vaccination Coverage	Peru	Year	Source	Median values for country groupings: (CAL9606)		
				Latin Am. & Carib.	Middle Income Countries	Developing Countries
BCG	95	1995	WHE9601	95	92	90
DPT 3	94	1995	WHE9601	86	86	79
Measles	97	1995	WHE9601	86	84	78
Polio 3	92	1995	WHE9601	87	86	79
Tetanus Toxoid (2+)	21	1995	WHE9601	47	47	47

Comparative ORT Use Rates



COUNTRY	ORT USE RATE	YEAR
Peru	32	1992
Source	DHS9207	
Median values for country groupings:		
Latin Am. & Carib.	52	1995
Middle Income Countries	63	1995
Developing Countries	51	1995
Source	CAL9606	

Human Immunodeficiency Virus (HIV) Prevalence Rates



II: DATA NOTES

I. Note On Mortality Estimation

Various organizations produce mortality estimates for the developing countries and regions. The three largest sources are the United Nations Population Division, the World Bank and the United States Bureau of the Census. CIHI's Health Statistics Database draws upon the work of these three larger organizations as well as other sources in order to reconcile the various estimates and provide the most reasonable current and historical estimates available.

CIHI has also created the only comprehensive time series of under-five mortality estimates for all developing countries. This has been accomplished by developing mathematical equations from empirical data that describe the relationship between infant and under-five mortality. Using these equations it is possible to make estimates of under-five mortality from infant mortality or *vice-versa*. More details regarding CIHI's methodology for specific data sets are provided in the source references.

II. Definitions

Demographic indicators:

Annual Infant Deaths: An estimate of the number of deaths occurring to children under age one in a given year.

Average Annual Rate of Population Growth: An estimate of the rate at which a population is increasing (or decreasing) in a given year.

Children Under Age 1: Mid-year estimate of the total number of children under age one.

Contraceptive Prevalence Rate: Estimate of the proportion of women

aged 15 through 44 (sometimes 15 through 49) currently using a modern method of contraception. For some countries, this data is only available for women in union or married. Where sources fail to distinguish modern and traditional methods, the combined rate is shown.

Crude Birth Rate: An estimate of the number of live births per 1,000 population in a given year.

Crude Death Rate: An estimate of the number of deaths per 1,000 population in a given year.

Infant Mortality Rate: The estimated number of deaths in infants (children under age one) in a given year per 1,000 live births in that same year. This rate may be calculated by direct methods (counting births and deaths) or by indirect methods (applying well-established demographic models).

Life Expectancy At Birth: An estimate of the average number of years a newborn can expect to live. Low life expectancies in developing countries are in large part due to high infant mortality.

Maternal Mortality Rate (or Ratio): Estimated number of maternal deaths per 100,000 live births where a maternal death is one which occurs when a woman is pregnant or within 42 days of termination of pregnancy from any cause related to or aggravated by the pregnancy or its management. Extremely difficult to measure, maternal mortality can be derived from vital registration systems (usually underestimated), community studies and surveys (requires very large sample sizes) or hospital registration (usually overestimated).

Total Population: Mid-year estimate of total number of individuals in a country.

Total Fertility Rate: Estimate of the average number of children a woman

would bear during her lifetime given current age-specific fertility rates.

Under 5 Mortality Rate: The estimated number of children born in a given year who will die before age five per 1,000 live births in that same year. May be calculated by direct or indirect methods.

Urban Population: Population living in urban areas as defined according to the national definition used in the most recent population census.

Child survival indicators:

Adequate Nutritional Status: An individual child of a certain age is said to be adequately nourished if his/her weight is greater than the weight corresponding to "two Z-scores" (two standard deviations) below the median weight achieved by children of that age. The median weight and the distribution of weights around that median in a healthy population are taken from a standard established by the National Center for Health Statistics, endorsed by WHO. The indicator for the population as a whole is the proportion of children 12 through 23 months of age who are adequately nourished.

Complementary Feeding: An estimate of the proportion of infants six to nine months of age (181 days to 299 days) still breastfeeding but also receiving complementary weaning foods.

Continued Breastfeeding: An estimate of the proportion of children breastfed for at least one year. Values presented in this report are the proportion of children 12 to 15 months of age at the time of the survey still receiving breast milk.

DPT Drop-out Rate: An estimate of the proportion of living children between the ages of 12 and 23 months

who received at least one DPT vaccination but who did not receive the entire series of three vaccinations before their first birthdays.

Exclusive Breastfeeding: An estimate of the proportion of infants less than four months (120 days) of age who receive no foods or liquids other than breast milk.

ORS Access Rate: An estimate of the proportion of the population under age five with reasonable access to a trained provider of oral rehydration salts who receives adequate supplies. This indicator is particularly difficult to measure and may fluctuate dramatically as various methods of estimation are devised.

ORT Use Rate: Estimate of the proportion of cases of diarrhea in children under five treated with **ORS** and/or **RHF** (a recommended home fluid). ORT use may be determined using administrative means or surveys. Administrative estimates are generally based on estimates of the number of episodes of diarrhea in the target population for a given year and the quantity of ORS available; these estimates are highly sensitive to changes in estimates of the frequency of diarrhea episodes. Surveys more precisely focus on the actual behavior of mothers in treating diarrhea in the two-week period prior to the survey.

Vaccination Coverage In Children: Estimate of the proportion of living children between the ages of 12 and 23 months who have been vaccinated before their first birthday (three times in the cases of polio and DPT and once for both measles and BCG). Rates are calculated in two ways: Administrative estimates are based on reports of the number of inoculations of an antigen given during a year to children who have not yet reached their first birthday divided by an estimate of the pool of children under one year of age eligible for vaccination. Survey estimates are based on samples of children between the ages of 12 and 23 months.

Vaccination Coverage In Mothers: Estimate of the proportion of women in a given time period who have received two doses of tetanus toxoid (TT) during their pregnancies. A revised indicator, referred to as **TT2+**, is now commonly used to account for the cumulative effect of TT boosters. A woman and her baby are protected against tetanus when a mother has had only one or perhaps no boosters during a given pregnancy so long as the woman had received the appropriate number of boosters in the years preceding the pregnancy in question. (This number varies with number received previously and the time elapsed.) Rates are computed using administrative methods or surveys.

Other health sector indicators:

Access to Adequate Sanitation: Definitions vary over time. In the past, this has been an estimate of the proportion of the population with sanitation service provided through sewer systems or individual in-house or in-compound excreta disposal facilities (latrines). After WHO changed its indicators and definitions in the late 1980s, this is now defined as the proportion with reasonable access to sanitary means of excreta and waste disposal, including outdoor latrines and composting.

Access to Health Services: An estimate of the proportion of the population that can reach appropriate local health services by local means of transport in no more than one hour. Recently WHO has revised its definition to the proportion of the population having treatment for common diseases and injuries and a regular supply of the essential drugs on the national list within one hour's walk or travel.

Access to Safe Water: Proportion of the population with reasonable access to safe water supply, including treated surface waters or untreated but uncontaminated water such as that from

springs, sanitary wells or protected boreholes. Reporting can be highly subjective. Varying definitions are used for reasonable access in urban/rural areas:

Access to Safe Water, Urban: Estimate of the proportion of all persons living in urban areas (defined roughly as population centers of 2,000 or more persons) who live within 200 meters of a standpipe or fountain source of water.

Access to Safe Water, Rural: Estimate of the proportion of all persons not living in urban areas with a source of water close enough to home that household members do not spend a disproportionate amount of time fetching water.

Births Attended by Trained Personnel: An estimate of the proportion of births attended by at least one physician, nurse, midwife, trained primary health care worker, or trained birth attendant.

HIV Prevalence: Estimate of the proportion of a given population infected with HIV.

III: SOURCES

- AID9001 USAID. Breastfeeding and weaning patterns in selected countries from Demographic and Health Surveys, 1986-89 as cited in Breastfeeding : A Report to Congress. Washington D.C.: USAID, 1990.
- AID9002 Ministry of Health program data, 1989 as cited in USAID Peru facsimile #31-700, 03/16/90.
- AID9003 USAID/Peru mission facsimile, August 15, 1990.
- AID9007 Pan American Health Organization (PAHO) and United Nations Children's Fund Review Commission cited in USAID Memorandum 8/1/90.
- AID9319 Water and Sanitation for Health Project. U.S. Agency for International Development. Planning for Water and Sanitation Programs In The Andean Region: 1991 Update. Field Report No. 336. February, 1993.
- BUC9401 U.S. Bureau of the Census (BUCEN). International Data Base. Version dated March, 1994.
- CAL9512 Calculated medians for aggregates of countries using best available data from the CIHI Health Statistics Database.
- CAL9602 Calculations of the annual number of women in the population ages 15-49. For each country, a percentage was derived from UN data on total population and women 15-49 and the percentage was then applied to the preferred estimate of total population.
- CAL9603 Calculated number of live births to women of reproductive years (15-49) in 1995. Calculated from the population multiplied by the crude birth rate for each country.
- CAL9604 Calculated number of deaths occurring to children under the age of 1 in a given year (1995). Figures based on the number of births multiplied by the infant mortality rate.
- CAL9606 Median value for aggregate of countries. Calculated using most recent preferred indicator values for all countries in the aggregate.
- DHS8805 Instituto Nacional de Estadística (INE) and Institute for Resource Development/Westinghouse. Encuesta Demográfica y de Salud Familiar (Endes 1986) Informe General. Lima, Peru: INE.
- DHS9207 Instituto Nacional de Estadística e Informática, Asociación Benéfica PRISMA, and Macro International, Inc. Peru: Encuesta Demográfica y de Salud Familiar 1991/1992. Columbia, MD: DHS/Macro International, Septiembre de 1992.
- JEE9507 Under Five Mortality Rate (5q0) calculated from Infant Mortality Rate (1q0) using the "ABSS" (all but Sub-Saharan Africa) equation: $5q0 = 1.14855 * ((1q0)^{1.04799})$.
- JEE9512 Infant mortality curve based on BUC9302 estimates supplemented by UNP9400 estimates.
- MRF8901 Ministry of Health program data, 1988 as cited in the FY 1989 Mission Response Form.

- PRB9601 Population Reference Bureau. World Population Data Sheet, 1996.
- UNI9601 United Nations Children's Fund (UNICEF) and World Health Organization (WHO). Revised 1990 Estimates of Maternal Mortality: A New Approach by WHO and UNICEF, April, 1996.
- UNP9400 Department of International Economic and Social Affairs, United Nations. World Population Prospects 1994. (Tape) New York: UN, 1994.
- WHD8601 World Health Organization. Programme for Control of Diarrhoeal Diseases. Management Information System Report, March, 1986. Geneva: WHO.
- WHD8700 World Health Organization. Programme for Control of Diarrhoeal Diseases: Interim Programme Report 1986. (WHO/CDD/87.26) Geneva: WHO, 1987.
- WHD8900 World Health Organization. Programme for Control of Diarrhoeal Diseases: Programme Report (WHO/CDD/89.31) Geneva: WHO, 1989.
- WHD9000 World Health Organization, Programme for Control of Diarrhoeal Diseases facsimile, February 14, 1990.
- WHD9100 World Health Organization. Programme for Control of Diarrhoeal Diseases: Interim Programme Report 1990. (WHO/CDD/91.36) Geneva: WHO, 1991.
- WHD9300 World Health Organization, Programme for Control of Diarrhoeal Diseases; provisional data for Annex 1 of the Ninth Programme Report. Received by personal communication, February 16, 1993.
- WHE8700 World Health Organization. Expanded Programme on Immunization Information System Report, January 1987. Geneva: WHO, 1987.
- WHE8900 World Health Organization. Expanded Programme on Immunization Information System Report, July 1989. (WHO/EPI/GEN/89.2) Geneva: WHO, 1989.
- WHE9100 World Health Organization. Expanded Programme on Immunization Information System Report, April 1991. (WHO/EPI/CEIS/91.1) Geneva: WHO, 1991.
- WHE9200 World Health Organization. Expanded Programme on Immunization Information System Report, April 1992. (WHO/EPI/CEIS/92.1) Geneva: WHO, 1992.
- WHE9403 Download of WHO/EPI vaccination coverage files from INTERNET, August 29, 1994.
- WHE9501 Download of WHO/EPI vaccination coverage files from INTERNET, April 6, 1995.
- WHE9502 Download of WHO/EPI vaccination coverage files from INTERNET, September 20, 1995.
- WHE9601 Download from WHO/EPI vaccination coverage files from INTERNET, June 30, 1996.
- WHO9101 World Health Organization. World Health Organization Disk: Water Supply and Sanitation Service Coverage. Geneva: WHO, October 29, 1991.
- WHO9601 World Health Organization, Global Programme on AIDS. The Current Global Situation of the HIV/AIDS Pandemic, 15 December 1995.

Peru



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Lambert Conformal Projection
Standard parallels 3°00' and 15°20'
Scale 1:10,000,000

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