

PHNIP Country Health Statistical Report

Jordan

September 2002



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About the Report

Released September 2002

This report is one of a series of Country Health Statistical Reports produced by the Population, Health and Nutrition Information (PHNI) Project. Each profile contains statistical data on current health conditions, population dynamics, health and family planning behavior, and health and population trends in a given developing country. Information is compiled from PHNI's health statistics database, which draws data from a diverse range of sources listed at the end of this profile.

Hard copy editions of PHNI's profiles are available from our publications department. Reports will soon be available on the USAID Global Health Web site in Portable Document Format (.pdf). Any feedback you have on the content or presentation of this report would be greatly appreciated. We would also appreciate receiving any more recent, more accurate, or more representative information.

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I. Statistical Overview

*see data notes

Demographic Indicators				
Indicator	Value	Data Unit	Year	Source
Total Population	5,153,378		2001	BUCEN - IDB-2000
Population Growth Rate	3	%	2001	BUCEN - IDB-2000
Percent Urban	73.6	%	1999	World Bank/WDI-2001
Women, 15-19	277,009		2002	BUCEN - IDB-2000
Women, 15-49	1,311,396		2002	BUCEN - IDB-2000
Life Expectancy at Birth	77.5		2001	BUCEN - IDB-2000
Crude Birth Rate	25.4	per 1,000	2001	BUCEN - IDB-2000
Crude Death Rate	2.6	per 1,000	2001	BUCEN - IDB-2000
Number of Live Births	131	000s	2001	BUCEN - IDB-2000

Socioeconomic Indicators				
Indicator	Value	Data Unit	Year	Source
GNI per Capita (PPP)	3,880	\$	1999	World Bank/WDI-2001
Health Expenditure as Percentage of GDP	9.1	%	1990-1998	World Bank/WDI-2001
Physicians per 1,000 People	1.7		1990-1998	World Bank/WDI-2001
Adult Literacy Rate	89.2	%	1999	World Bank/WDI-2001
Adult Literacy Rate, Female	83.4	%	1999	World Bank/WDI-2001
Adult Literacy Rate, Male	94.5	%	1999	World Bank/WDI-2001
Gross Enrollment Rate - Primary School	92.9	%	1997	UNESCO-2000
Gender Parity Index - Net Enrollment Rate	1		1997	UNESCO-2000
Access to an Improved Water Source (Rural)	84	%	2000	World Bank/WDI-2001
Access to an Improved Water Source (Urban)	100	%	2000	World Bank/WDI-2001
Access to Improved Sanitation Facilities (Rural)	98	%	2000	World Bank/WDI-2001
Access to Improved Sanitation Facilities (Urban)	100	%	2000	World Bank/WDI-2001

Family Planning Indicators				
Indicator	Value	Data Unit	Year	Source
Total Fertility Rate (BUCEN)	3.3		2001	BUCEN - IDB-2000
Total Fertility Rate (DHS)	4.4		1997	Jordan DHS-1997
Contraceptive Prevalence Rate, Modern Methods, All Women	36.4	%	1997	Jordan DHS-1997
Contraceptive Prevalence Rate, Modern Methods, Married Women	37.7	%	1997	Jordan DHS-1997
Median Age of Sexual Debut Among Women, Ages 25-49	Data Not Available			
Mean Ideal Family Size	4.2		1997	Jordan DHS-1997
Women 20-24 Who Gave Birth Before Age 20	16.8	%	1997	Jordan DHS-1997

Maternal Health Indicators				
Indicator	Value	Data Unit	Year	Source
Maternal Mortality Ratio (DHS)	79	Per 100,000 live births	1997	Jordan DHS-1997
Maternal Mortality Ratio (WHO/Hill)	41	Per 100,000 live births	1995	WHO/Hill-2001
Antenatal Care (at least 1 visit)	96.3	%	1997	Jordan DHS-1997
Antenatal Care (2+ visits)	93.9	%	1997	Jordan DHS-1997
Antenatal Care (4+ visits)	86.8	%	1997	Jordan DHS-1997
Assisted Delivery by a Health Professional	96.7	%	1997	Jordan DHS-1997
Assisted Delivery by Doctor	64.9	%	1997	Jordan DHS-1997
Assisted Delivery by Other Health Professional	31.8	%	1997	Jordan DHS-1997

Child Survival Indicators				
Indicator	Value	Data Unit	Year	Source
Acute Respiratory Infection (ARI) and Oral Rehydration Therapy (ORT)				
ARI Treatment - Children Under 5	76.3	%	1997	Jordan DHS-1997
ORT Use Rate (ORS, RHS, or Increased Fluids)	88	%	1997	Jordan DHS-1997
Mortality Indicators				
Infant Mortality Rate (BUCEN)	20	per 1,000 live births	2002	BUCEN - IDB-2000
Infant Mortality Rate (DHS)	28.5	per 1,000 live births	1997	Jordan DHS-1997
Infant Mortality Rate, Females (BUCEN)	16	per 1,000 live births	2002	BUCEN - IDB-2000
Infant Mortality Rate, Males (BUCEN)	23	per 1,000 live births	2002	BUCEN - IDB-2000
Under-5 Mortality Rate (BUCEN)	23.6	per 1,000 live births	2001	BUCEN - IDB-2000
Under-5 Mortality Rate (DHS)	34.2	per 1,000 live births	1997	Jordan DHS-1997
Nutrition Indicators				
Exclusive Breastfeeding (under 4 mos.)	15	%	1997	Jordan DHS-1997
Exclusive Breastfeeding (under 6 mos.)	10.9	%	1997	Jordan DHS-1997
Stunted (height-for-age)	7.8	%	1997	Jordan DHS-1997
Underweight (weight-for-age)	5.1	%	1997	Jordan DHS-1997
Wasted (weight-for-height)	1.9	%	1997	Jordan DHS-1997
Vaccination Coverage				
DPT3 Vaccination Rate (DHS)	95.9	%	1997	Jordan DHS-1997
Measles Vaccination Rate (DHS)	89.9	%	1997	Jordan DHS-1997
Polio Vaccination Rate (DHS)	95.7	%	1997	Jordan DHS-1997
Tetanus Toxoid Vaccination	14.6	%	1997	Jordan DHS-1997

HIV/AIDS Prevention Indicators				
Indicator	Value	Data Unit	Year	Source
HIV Prevalence, Adults	0.02	%	1999	UNAIDS-2000
HIV Prevalance, Females 15-24, High Estimates	Data Not Available			
HIV Prevalance, Females 15-24, Low Estimates	Data Not Available			
HIV Prevalence, Males 15-24, High Estimates	Data Not Available			
HIV Prevalence, Males 15-24, Low Estimates	Data Not Available			
Males Reporting Condom Use With Last Non-Regular Partner	Data Not Available			
Females Reporting Condom Use With Last Non-Regular Partner	Data Not Available			

Infectious Diseases Control Indicators				
Indicator	Value	Data Unit	Year	Source
TB Incidence Rate	Data Not Available			
TB Case Detection Rate	33.3	%	1998	WHO/TB Control Report-2001
TB (DOTS) Treatment Success Rate	91.8	%	1998	WHO/TB Control Report-2001
Malaria	Data Not Available			

II. Trends in Health Indicators

Figure 1: Current and Projected Population by Age and Sex (in thousands)

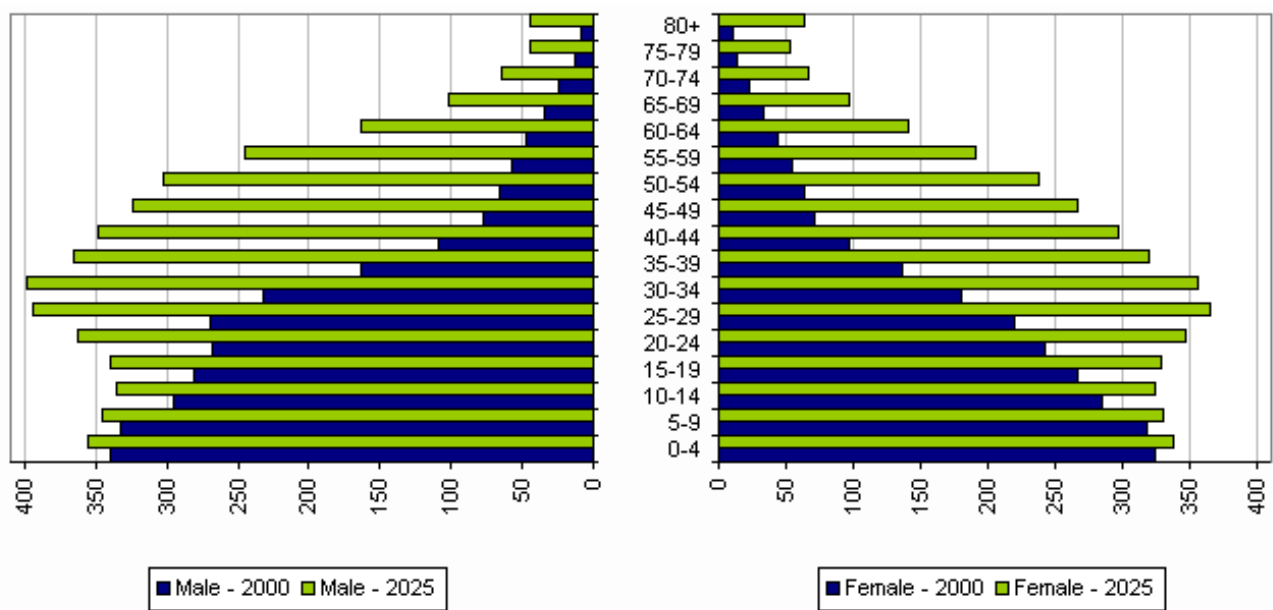


Table 1.1: Current and Projected Population by Age and Sex

Source: BUCEN - IDB

Age Group	Male - 2000	Male - 2025	Female - 2000	Female - 2025
0-4	340,000	355,000	324,000	337,000
5-9	332,000	345,000	318,000	330,000
10-14	296,000	336,000	284,000	324,000
15-19	281,000	340,000	266,000	329,000
20-24	268,000	363,000	242,000	346,000
25-29	269,000	394,000	220,000	364,000
30-34	232,000	398,000	180,000	355,000
35-39	163,000	366,000	136,000	319,000
40-44	109,000	348,000	97,000	297,000
45-49	78,000	324,000	71,000	266,000
50-54	66,000	303,000	64,000	237,000
55-59	57,000	245,000	55,000	190,000
60-64	47,000	163,000	44,000	141,000
65-69	35,000	102,000	34,000	97,000
70-74	24,000	65,000	23,000	67,000
75-79	13,000	45,000	13,000	53,000
80+	9,000	45,000	11,000	63,000

TABLE 1.2: Population Estimates and Projections

Source: BUCEN - IDB

1980	1990	2000	2010	2020
2,162,807	3,262,054	4,998,564	6,485,763	7,920,192

Figure 2: Estimated Total Fertility Rate per Woman

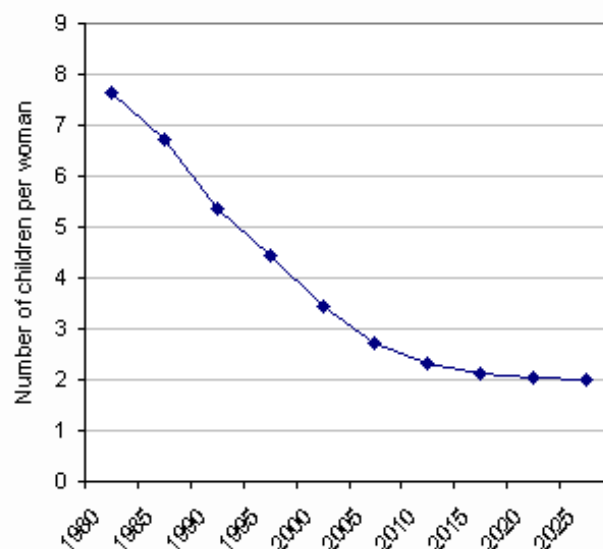


Table 2: Estimated Total Fertility Rate per Woman

Source: BUCEN - IDB

1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
7.7	6.7	5.4	4.4	3.4	2.7	2.3	2.1	2.1	2.0

Figure 3: Infant Mortality Rates / Under-5 Mortality Rates

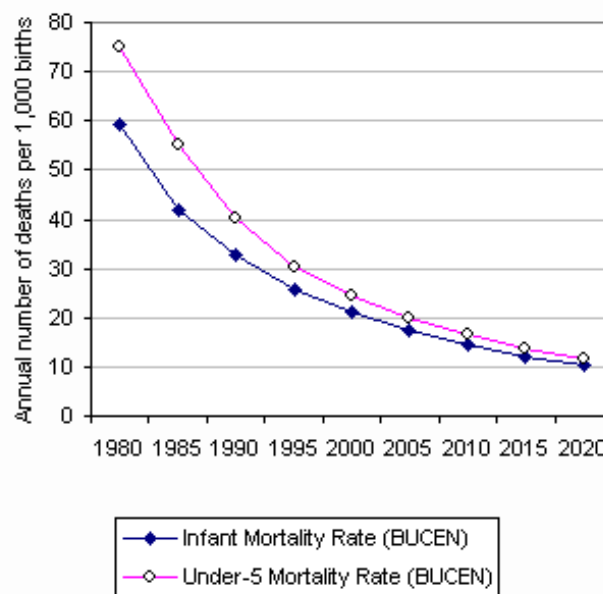


Table 3: Infant Mortality Rates / Under-5 Mortality Rates

Source: BUCEN - IDB 2000

Indicator	1980	1985	1990	1995	2000	2005	2010	2015	2020
Infant Mortality Rate (BUCEN)	59.4	41.8	32.7	25.8	21.1	17.4	14.4	12.1	10.2
Under-5 Mortality Rate (BUCEN)	75.1	55.1	40.1	30.1	24.5	20.0	16.5	13.8	11.6

Figure 4: Vaccination Coverage (DPT3) Trends

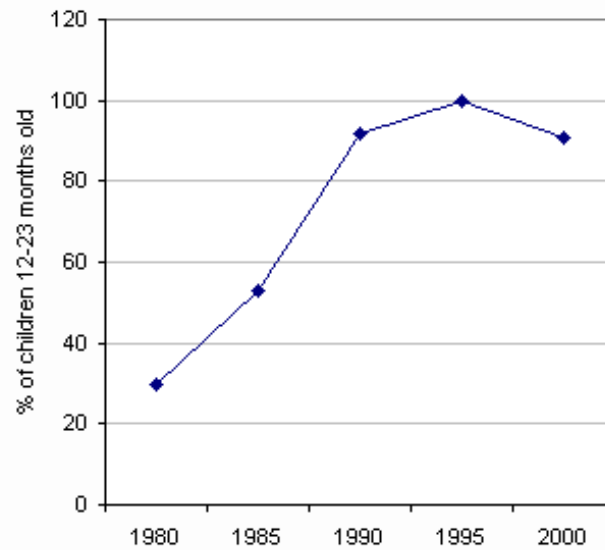


Table 4: Vaccination Coverage (DPT3) Trends

Source: WHO/Global Summary

1980	1985	1990	1995	2000
30.0	53.0	92.0	100.0	91.0

Figure 5: Contraceptive Prevalence Rates, Modern Methods, Married Women

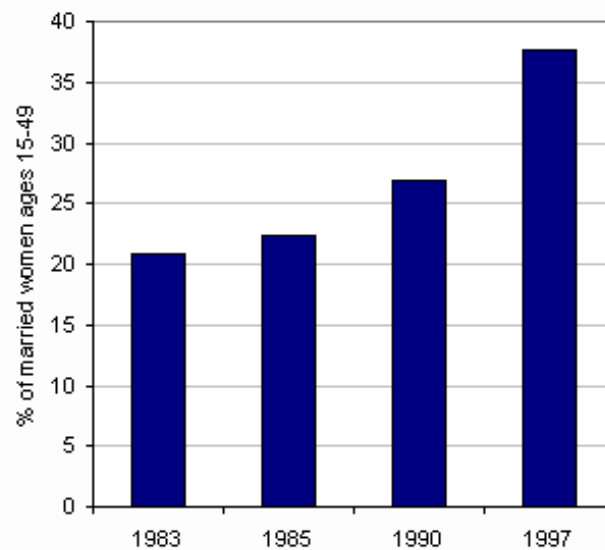


Table 5: Contraceptive Prevalence Rates, Modern Methods, Married Women

Source: Jordan DHS

Ross/TFGI

1983	1985	1990	1997
20.8	22.3	26.9	37.7

Data Notes

*Indicator definitions that differ from those in the data notes section are identified by footnotes accompanying the indicator tables.

Demographic Indicators

Total Population	The number of people in a given area (i.e., country) in a particular time period (usually a midyear estimate).
Population Growth Rate	The average annual growth rate is the rate of natural increase in a population plus the net migration rate. The rate of natural increase is the difference between the birth rate and the death rate, but it is conventionally measured in percentage terms (per hundred rather than per thousand).
Percent Urban	The percentage of the midyear population living in areas defined as urban in each country and reported to the United Nations.
Women, 15-19	The number of women between the ages of 15-19 in the midyear population.
Women, 15-49	The number of women between the ages of 15-49 in the midyear population.
Life Expectancy at Birth	The average number of years that a person at age 0 will live if age-specific death rates remain constant. Life expectancy at birth is highly affected by rates of infant and child death.
Crude Birth Rate	The number of births per thousand of the population. The product of the number of live births, divided by the midpoint population, multiplied by 1,000.
Crude Death Rate	The number of deaths per thousand of the population. The product of the number of deaths divided by the midpoint population, multiplied by 1,000.
Number of Live Births	The number of live births, annually, within a country.

Socioeconomic Indicators

GNI per Capita (PPP)	The gross national income (GNI) converted to international dollars using purchasing power parity (PPP) rates. An international dollar has the same purchasing power over GNI as a U.S. dollar has in the United States.
Health Expenditure as Percentage of GDP	Total health expenditures is the sum of public and private health expenditures figured as a percentage of a country's gross domestic product (GDP). It covers the provision of health services (preventive and curative), family planning activities, nutrition activities, and emergency aid designated for health but does not include provision of water and sanitation.
Physicians per 1,000 People	Physicians are defined as graduates of any faculty or school of medicine who are working in the country in any medical field (practice, teaching, research).
Adult Literacy Rate	The percentage of people ages 15 and over who can, with understanding, read and write a short, simple statement about their everyday life.
Adult Literacy Rate, Female	The percentage of women ages 15 and over who can, with understanding, read and write a short, simple statement about their everyday life.
Adult Literacy Rate, Male	The percentage of men ages 15 and over who can, with understanding, read and write a short, simple statement about their everyday life.
Gross Enrollment Rate - Primary School	Total enrolment in primary level of education, regardless of age, expressed as a percentage of the official school-age population corresponding to primary level of education in give school-year. GER can be over 100% due to the inclusion of over-aged and under-aged pupils/students because of early or late entrants, and grade repetition.

Gender Parity Index - Net Enrollment Rate	The ratio of the female-to-male net primary school enrollment rates measures progress towards gender equity in school attendance and the level of learning opportunities available for women in relation to those available to men. Calculation Method: Divide the female net primary school enrollment rate by the male net primary school enrollment rate.
Access to an Improved Water Source (Rural)	Access to an improved water source in rural areas. Refers to the percentage of the rural population with reasonable access to an adequate amount of water from an improved source, such as a household connection, public standpipe, borehole, protected well or spring, or rainwater collection. Unimproved sources include vendors, tanker trucks, and unprotected wells and springs. Reasonable access is defined as the availability of at least 20 liters a person a day from a source within one kilometer of the dwelling.
Access to an Improved Water Source (Urban)	Access to an improved water source in urban areas. Refers to the percentage of the urban population with reasonable access to an adequate amount of water from an improved source, such as a household connection, public standpipe, borehole, protected well or spring, or rainwater collection. Unimproved sources include vendors, tanker trucks, and unprotected wells and springs. Reasonable access is defined as the availability of at least 20 liters a person a day from a source within one kilometer of the dwelling.
Access to Improved Sanitation Facilities (Rural)	Access to improved sanitation facilities in rural areas. Refers to the percentage of the rural population with access to at least adequate excreta disposal facilities (private or shared, but not public) that can effectively prevent human, animal, and insect contact with excreta.
Access to Improved Sanitation Facilities (Urban)	Access to improved sanitation facilities in urban areas. Refers to the percentage of the urban population with access to at least adequate excreta disposal facilities (private or shared, but not public) that can effectively prevent human, animal, and insect contact with excreta.
Family Planning Indicators	
Total Fertility Rate (BUCEN)	The number of children a woman between ages 15-44 would have during her reproductive life, if, for all of her childbearing years she were to experience the age-specific birth rates for that given year.
Total Fertility Rate (DHS)	The number of children a woman between ages 15-49 would have during her lifetime if she were to bear children at the currently observed rates.
Contraceptive Prevalence Rate, Modern Methods, All Women	Percentage of all women ages 15-49 currently using a modern method of contraception. Modern methods include oral contraceptives, IUDs, injectables, female and male sterilization, all emergency contraception, and barrier methods (diaphragm, foam, jelly, male and female condom).
Contraceptive Prevalence Rate, Modern Methods, Married Women	Percent of currently married ages women 15-49 currently using a modern method of contraception. Modern methods include oral contraceptives, IUDs, injectables, female and male sterilization, all emergency contraception, and barrier methods (diaphragm, foam, jelly, male and female condom).
Median Age of Sexual Debut Among Women, Ages 25-49	Median age of first sexual intercourse for women ages 25-49.
Mean Ideal Family Size	Mean ideal number of children for all women, according to number of living children.
Women 20-24 Who Gave Birth Before Age 20	Percentage of women ages 20-24 who have already given birth or were pregnant with their first child before the age of 20.
Maternal Health Indicators	
Maternal Mortality Ratio (DHS)	The estimated number of women who die as a result of pregnancy or childbirth per 100,000 live births, arrived mostly through 'direct sisterhood method'. The use of information reported by a sibling is to expand the sample size and to compensate for the lack of vital registration system.
Maternal Mortality Ratio (WHO/Hill)	The estimated number of women who die as a result of pregnancy or childbirth per 100,000 live births arrived through Hill et al., adjustment procedure depending on the nature of data used.
Antenatal Care (at least 1 visit)	Percentage of women of reproductive age (15-49) who receive at least one antenatal care visit during pregnancy (in the three-year period preceding the survey).
Antenatal Care (2+ visits)	Percentage of women of reproductive age (15-49) who receive at least two antenatal care visits during pregnancy (in the three-year period preceding the survey).

Antenatal Care (4+ visits)	Percentage of women of reproductive age (15-49) who receive four or more antenatal care visits during pregnancy (in the three-year period preceding the survey).
Assisted Delivery by a Health Professional	The percentage of births/deliveries that occur with the assistance of any trained health professional during the five-year period preceding the survey. May include doctors, nurses, midwives, village health workers, or any other trained health professional.
Assisted Delivery by Doctor	The percentage of live births/deliveries that occur with the assistance of a doctor during the five-year period preceding the survey.
Assisted Delivery by Other Health Professional	The percentage of live births/deliveries that occur with the assistance of a nurse, midwife, village health worker, or any other trained health professional besides a doctor during the five-year period preceding the survey.
Child Survival Indicators	
ARI Treatment - Children Under 5	Percentage of children under five years who were ill with an acute respiratory infection (ARI), which is associated with cough, rapid breathing and a high fever, during the two weeks preceding the survey, and who were treated with specific remedies.
ORT Use Rate (ORS, RHS, or Increased Fluids)	Oral Rehydration Therapy (ORT). Percentage of children under age 5 with diarrhea two weeks prior to survey who received increased fluids, oral rehydration solution (ORS) or recommended home solution (RHS).
Infant Mortality Rate (BUCEN)	The estimated annual number of deaths of infants under 12 months in a given year per 1,000 live births in that same year.
Infant Mortality Rate (DHS)	The estimated annual number of deaths of infants under 12 months in a given year per 1,000 live births in that same year (five-year period preceding survey).
Infant Mortality Rate, Females (BUCEN)	The estimated annual number of deaths of female infants under 12 months in a given year per 1,000 live births in that same year.
Infant Mortality Rate, Males (BUCEN)	The estimated annual number of of male infants under 12 months in a given year per 1,000 live births in that same year.
Under-5 Mortality Rate (BUCEN)	Annual number of deaths that occur in children 0-4 years old per 1,000 births.
Under-5 Mortality Rate (DHS)	Annual number of deaths that occur in children 0-4 years old per 1,000 births (five-year period preceding survey).
Exclusive Breastfeeding (under 4 mos.)	Percentage of children under 4 months exclusively breastfed. Exclusive breastfeeding is defined as providing no food or liquid other than breast milk to the child during the 24-hour period before the survey.
Exclusive Breastfeeding (under 6 mos.)	Percentage of children under 6 months exclusively breastfed. Exclusive breastfeeding is defined as providing no food or liquid other than breast milk to the child during the 24-hour period before the survey.
Stunted (height-for-age)	Percentage of children under age five whose height-for-age is below minus-two standard deviations from the median of the reference population.
Underweight (weight-for-age)	Percentage of children under age five whose weight-for-age is below minus-two standard deviations from the median of the reference population.
Wasted (weight-for-height)	Percentage of children under age five whose weight-for-height is below minus-two standard deviations from the median of the reference population.
DPT3 Vaccination Rate (DHS)	Proportion of living children 12-23 months old who have received three complete doses of vaccines against diphtheria, pertussis, and tetanus.
Measles Vaccination Rate (DHS)	Percentage of living children who have received one dose of MCV (fully immunized) against measles.
Polio Vaccination Rate (DHS)	Percentage of children receiving three doses of polio vaccine.
Tetanus Toxoid Vaccination	Percentage of pregnant women receiving two (or more) doses of tetanus toxoid (three-year period preceding survey).

HIV/AIDS Prevention Indicators

HIV Prevalence, Adults	The estimated number of adults (ages 15-49) living with HIV/AIDS at the end of 1999 divided by the 1999 adult population (ages 15–49).
HIV Prevalence, Females 15-24, High Estimates	HIV prevalence, adolescent females 15-24 for high estimates.
HIV Prevalence, Females 15-24, Low Estimates	HIV prevalence, adolescent females 15-24 for low estimates.
HIV Prevalence, Males 15-24, High Estimates	HIV prevalence, adolescent males 15-24 for high estimates.
HIV Prevalence, Males 15-24, Low Estimates	HIV prevalence, adolescent males 15-24 for low estimates.
Males Reporting Condom Use With Last Non-Regular Partner	Among men who have had sex in the last year, percentage who used condoms during their last sexual intercourse with a non-regular partner/non-cohabitating partner.
Females Reporting Condom Use With Last Non-Regular Partner	Among women who have had sex in the last year, percentage who used condoms during their last sexual intercourse with a non-regular partner/non-cohabitating partner.

Infectious Diseases Control Indicators

TB Incidence Rate	Total number of TB cases (all types) estimated in a given period of time per 100,000 population.
TB Case Detection Rate	TB Case Detection Rate is defined as the percentage of the annual new smear-positive notifications of the estimated annual new smear-positive incidence.
TB (DOTS) Treatment Success Rate	The proportion of smear-positive patients who were cured plus the proportion who completed treatment.
Malaria	Reported number of cases of malaria during the year for which data reported.

Statistical Sources For Jordan

BUCEN - IDB 2000	United States Census Bureau (BUCEN), International Programs Center. International Database. Web site revision dated October 2000.
Jordan DHS 1990	Department of Statistics, Ministry of Health, Institute for Resource Development /Macro International, Inc. Jordan Population and Family Health Survey 1990. Columbia, MD: IRD, 1992.
Jordan DHS 1997	Department of Statistics and Macro International Inc. "Jordan Population and Family Health Survey, 1997." Macro International Inc., Calverton, MD; 1998
Ross/TFGI 1999	Ross, John., Stover, John., Willard, Amy. Profiles for Family Planning and Reproductive Health Programs (116 Countries). The Futures Group International. Glastonbury, CT, 1999.
UNAIDS 2000	Report on the Global HIV/AIDS Epidemic. June 2000. The Joint United Nations Programme on HIV/AIDS, Geneva.
UNESCO 2000	UNESCO Education for All 2000 Assessment. United Nations Educational, Scientific and Cultural Organization, Paris.
WHO/Global Summary 2001	WHO Vaccine-Preventable Diseases Monitoring System. 2001 Global Summary. World Health Organization, Geneva.
WHO/Hill 2001	Kenneth Hill, Carla Abou Zahr & Tessa Wardlaw: Estimates of Maternal Mortality for 1995. Bulletin of the World Health Organization, vol. 79, no. 3, 182-193, 2001.
WHO/TB Control Report 2001	Global Tuberculosis Control, WHO Report 2000. World Health Organization, Geneva.
World Bank/WDI 2001	World Bank Development Indicators 2001, CD-Rom. Washington, DC: The World Bank, 2001.