USAID Country Health Statistical Report

Bulgaria

September 2004

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About the Report

Released September 2004

This report is one of a series of Country Health Statistical Reports produced on behalf of the United States Agency for International Development (USAID) 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 USAID's profiles are available from PHNI'S publications department. Reports are 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. Contact us at the following:

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The PHNI Project, a USAID project managed by Jorge Scientific Corporation, with The Futures Group International and John Snow, Inc., prepared this document under the Data for Decision Making Project (936-3098.01), contract number HRN-C-00-00-00004-00, with the Bureau for Global Health, USAID.

I. Statistical Overview

*see data notes

Demographic Indicators				
Indicator	**Value**	**Data Unit**	**Year**	**Source**
Total Population	7,517,973		2004	BUCEN-IDB-2004
Population Growth Rate	<0.01	%	2004	BUCEN-IDB-2004
Percent Urban	67.5	%	2002	World Bank/WDI-2004
Women, 15-19	245,672		2004	BUCEN-IDB-2004
Women, 15-49	1,823,289		2004	BUCEN-IDB-2004
Life Expectancy at Birth	71.8		2004	BUCEN-IDB-2004
Crude Birth Rate	9.7	per 1,000	2004	BUCEN-IDB-2004
Crude Death Rate	14.3	per 1,000	2004	BUCEN-IDB-2004
Number of Live Births	72,548		2004	BUCEN-IDB-2004

Socioeconomic Indicators				
Indicator	**Value**	**Data Unit**	**Year**	**Source**
GNI per Capita (PPP)	7,030	$	2002	World Bank/WDI-2004
Health Expenditure as Percentage of GDP	4.8	%	2001	World Bank/WDI-2004
Physicians per 1,000 People	3.4	per 1,000	2001	World Bank/WDI-2004
Adult Literacy Rate	98.6	%	2002	World Bank/WDI-2004
Adult Literacy Rate, Female	98.1	%	2002	World Bank/WDI-2004
Adult Literacy Rate, Male	99.1	%	2002	World Bank/WDI-2004
Gross Enrollment Rate - Primary School	103.2	%	2000	UNESCO-2003/4
Gender Parity Index - Net Enrollment Rate	0.98		2000	UNESCO-2003/4
Access to an Improved Water Source (Rural)	100	%	2000	World Bank/WDI-2004
Access to an Improved Water Source (Urban)	100	%	2000	World Bank/WDI-2004
Access to Improved Sanitation Facilities (Rural)	100	%	2000	World Bank/WDI-2004
Access to Improved Sanitation Facilities (Urban)	100	%	2000	World Bank/WDI-2004

Family Planning Indicators

Indicator	Value	Data Unit	Year	Source
Total Fertility Rate (BUCEN)	1.4		2004	BUCEN-IDB-2004
Total Fertility Rate (DHS)	Data Not Available			
Contraceptive Prevalence Rate, Modern Methods, All Women	Data Not Available			
Contraceptive Prevalence Rate, Modern Methods, Married Women	Data Not Available			
Median Age of Sexual Debut Among Women, Ages 25-49	Data Not Available			
Mean Ideal Family Size	Data Not Available			
Women 20-24 Who Gave Birth Before Age 20	Data Not Available			

Maternal Health Indicators

Indicator	Value	Data Unit	Year	Source
Maternal Mortality Ratio (WHO/Hill)	32	Per 100,000 live births	2000	WHO/Hill-2004
Maternal Mortality Ratio (DHS)	Data Not Available			
Antenatal Care (at least 1 visit)	Data Not Available			
Antenatal Care (2+ visits)	Data Not Available			
Antenatal Care (4+ visits)	Data Not Available			
Assisted Delivery by a Health Professional	Data Not Available			
Assisted Delivery by Doctor	Data Not Available			
Assisted Delivery by Other Health Professional	Data Not Available			

Child Survival Indicators				
Indicator	**Value**	**Data Unit**	**Year**	**Source**
Acute Respiratory Infection (ARI) and Oral Rehydration Therapy (ORT)				
ARI Treatment - Children Under 5	Data Not Available			
ORT Use Rate (ORS, RHS, or Increased Fluids)	Data Not Available			
Mortality Indicators				
Infant Mortality Rate (BUCEN)	21.3	per 1,000 live births	2004	BUCEN-IDB-2004
Infant Mortality Rate (DHS)	Data Not Available			
Infant Mortality Rate, Females (BUCEN)	17.2	per 1,000 live births	2004	BUCEN-IDB-2004
Infant Mortality Rate, Males (BUCEN)	25.2	per 1,000 live births	2004	BUCEN-IDB-2004
Under-5 Mortality Rate (BUCEN)	24.5	per 1,000 live births	2004	BUCEN-IDB-2004
Under-5 Mortality Rate (UNICEF)	16	per 1,000 live births	2002	UNICEF-2004
Under-5 Mortality Rate (DHS)	Data Not Available			
Nutrition Indicators				
Exclusive Breastfeeding (under 4 mos.)	Data Not Available			
Exclusive Breastfeeding (under 6 mos.)	Data Not Available			
Stunted (height-for-age)	Data Not Available			
Underweight (weight-for-age)	Data Not Available			
Wasted (weight-for-height)	Data Not Available			
Vaccination Coverage				
DPT3 Vaccination Rate (DHS)	Data Not Available			
DPT3 Vaccination Rate (WHO)	94	%	2002	WHO/Global Summary-2003
Measles Vaccination Rate (DHS)	Data Not Available			
Measles Vaccination Rate (WHO)	90	%	2002	WHO/Global Summary-2003
Polio Vaccination Rate (DHS)	Data Not Available			
Polio Vaccination Rate (WHO)	94	%	2002	WHO/Global Summary-2003
Tetanus Toxoid Vaccination	Data Not Available			

HIV/AIDS Prevention Indicators				
Indicator	**Value**	**Data Unit**	**Year**	**Source**
HIV Prevalence proportion: Adults (15–49 years)	Data Not Available			
Estimated number of people living with HIV: Adults and Children	Data Not Available			
Estimated number of people living with HIV: Women (15–49 years)	Data Not Available			
Estimated number of people living with HIV: Children (0–14 years)	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 Estimated Number of Cases	3,808		2002	WHO/TB Control Report-2004
TB Case Detection Rate	59	%	2002	WHO/TB Control Report-2004
TB (DOTS) Treatment Success Rate	87	%	2001	WHO/TB Control Report-2004
Malaria Cases per 100,000	Data Not Available			

II. Trends in Health Indicators

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

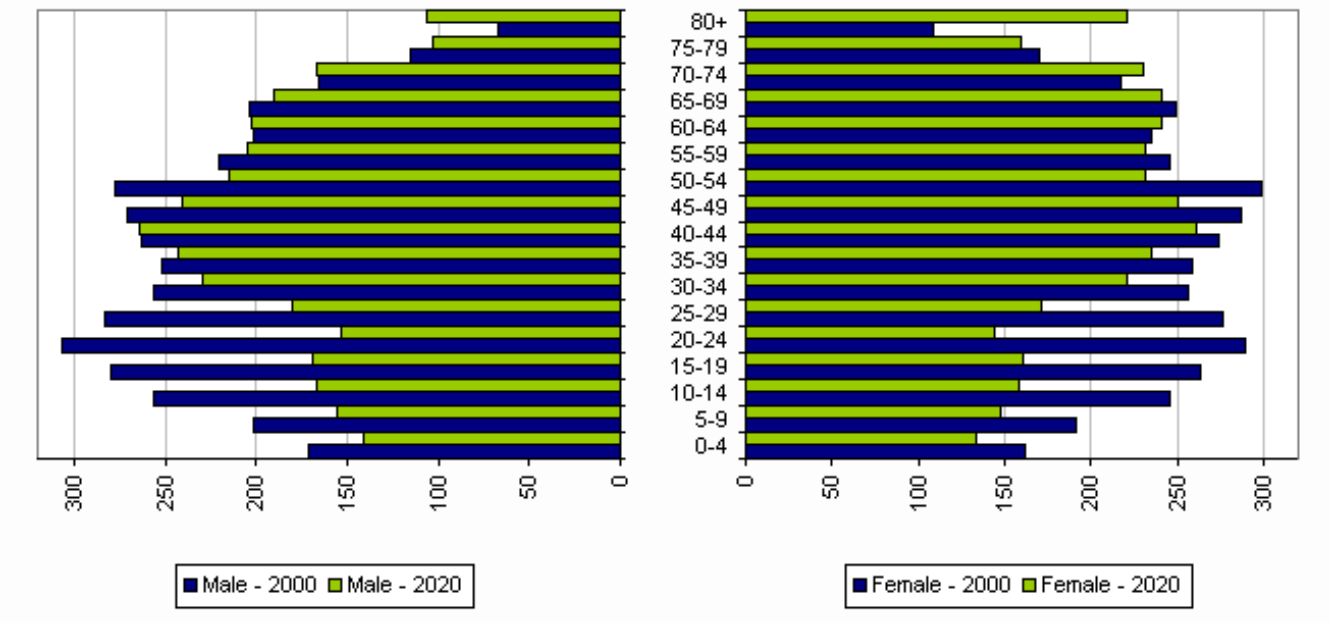

Table 1.1: Current and Projected Population by Age and Sex

Source: BUCEN-IDB

Age Group	Male - 2000	Male - 2020	Female - 2000	Female - 2020
0-4	171,096	140,884	161,911	133,459
5-9	201,063	155,484	191,391	147,281
10-14	256,509	166,879	245,183	158,225
15-19	279,596	169,467	263,212	160,522
20-24	306,319	153,052	289,403	143,825
25-29	283,162	180,396	276,453	171,725
30-34	256,542	229,207	256,523	221,382
35-39	251,710	243,347	258,277	235,113
40-44	262,773	263,762	274,171	260,745
45-49	271,159	240,565	287,115	250,134
50-54	276,955	214,311	299,012	231,464
55-59	220,568	204,719	245,359	231,276
60-64	201,673	202,914	235,184	240,651
65-69	203,842	190,502	248,615	240,987
70-74	165,381	167,004	217,275	229,966
75-79	115,444	102,906	169,837	158,884
80+	67,582	106,708	108,200	221,211

TABLE 1.2: Population Estimates and Projections

Source: BUCEN-IDB

1960	1970	1980	1990	2000	2010	2020	2030	2040	2050
7,867,374	8,489,574	8,843,528	8,894,028	7,818,495	7,148,785	6,568,957	5,940,822	5,305,010	4,651,477

Figure 2: Estimated Total Fertility Rate per Woman

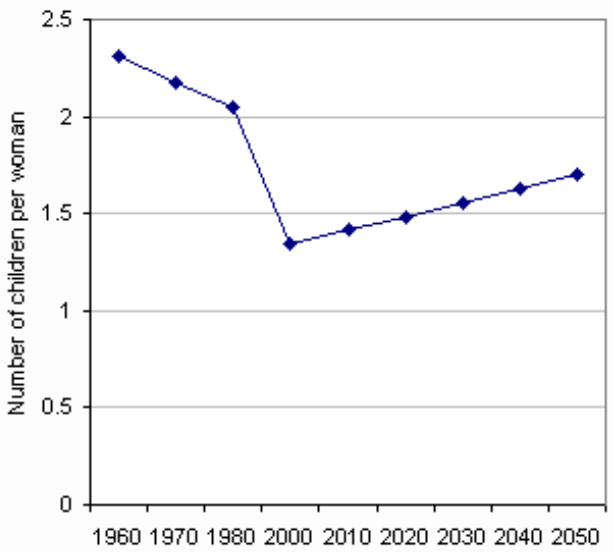

Table 2: Estimated Total Fertility Rate per Woman

Source: BUCEN-IDB

1960	1970	1980	2000	2010	2020	2030	2040	2050
2.3	2.2	2.1	1.3	1.4	1.5	1.6	1.6	1.7

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

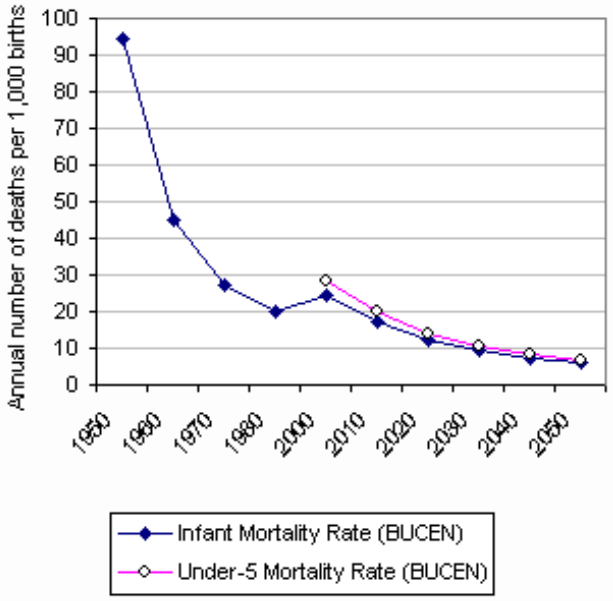

Table 3: Infant Mortality Rates / Under-5 Mortality Rates

Source: BUCEN-IDB 2003

Indicator	1950	1960	1970	1980	2000	2010	2020	2030	2040	2050
Infant Mortality Rate (BUCEN)	94.5	45.1	27.3	20.2	24.6	17.3	12.4	9.3	7.2	5.9
Under-5 Mortality Rate (BUCEN)					28.4	19.8	14.2	10.5	8.2	6.6

Figure 4: Vaccination Coverage (DPT3) Trends

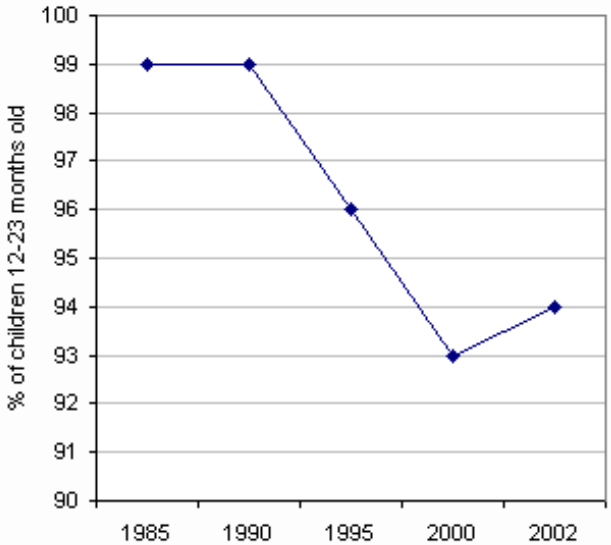

Table 4: Vaccination Coverage (DPT3) Trends

Source: WHO/Global Summary

1985	1990	1995	2000	2002
99.0	99.0	96.0	93.0	94.0

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

Data Not Available

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

Data Not Available

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 15-49 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 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).
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 given birth before age 20.

Maternal Health Indicators

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. The margins of uncertainty associated with the estimated maternal mortality ratios are very large and the estimates should not be used to monitor trends in the short term (including comparisons between 1995 and 2000 estimates). In addition, cross-country comparisons should be treated with considerable circumspection because different strategies are used to derive the estimates for different countries rendering comparisons fraught with difficulty. For further information please refer to the source.

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 the "sisterhood method". The data are aggregated based on different time periods ranging from four to ten years preceding the survey. Thus, the data may not be suitable for trend analysis due to over-lapping year ranges of estimates. For further information on methodology please refer to: Stanton, Cynthia, Noureddine Abderrahim, and Kenneth Hill. 1997. DHS Maternal Mortality Indicators: An assessment of Data Quality and Implications for Data Use. Calverton: Macro International Inc., or individual country DHS reports.
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, for whom treatment was sought from a health facility or provider.
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 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 (UNICEF)	Annual number of deaths that occur in children 0-4 years old per 1,000 births (five-year period preceding survey).
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.
DPT3 Vaccination Rate (WHO)	Proportion of living children 12-23 months old who have received three complete doses of vaccines aginst diphtheria, pertussis, and tetanus.
Measles Vaccination Rate (DHS)	Percentage of living children 12-23 months old who have received one dose of Measles Containing Vaccince.
Measles Vaccination Rate (WHO)	Percentage of living children 12-23 months old who have received one dose of Measles Containing Vaccince.
Polio Vaccination Rate (DHS)	Proportion of living children 12-23 months who have received three doses of polio vaccine.
Polio Vaccination Rate (WHO)	Proportion of living children 12-23 months who have received 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 proportion: Adults (15–49 years)	The adult HIV prevalence proportion is the estimated number of adults living with HIV divided by the adult population (aged 15–49).
Estimated number of people living with HIV: Adults and Children	Estimated number of adults and children living with HIV. Children are defined as those aged 0–14 years.
Estimated number of people living with HIV: Women (15–49 years)	Estimated number of women (aged 15–49) living with HIV.
Estimated number of people living with HIV: Children (0–14 years)	Estimated number of children under age 15 living with HIV.
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 Estimated Number of Cases	The estimated number of cases (all forms).
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 Cases per 100,000	Number of malaria cases per 100,000 of the population during the year for which data was reported.

Statistical Sources For Bulgaria

BUCEN-IDB 2003	United States Census Bureau (BUCEN), International Programs Center. International Database. July 2003.
BUCEN-IDB 2004	United States Census Bureau (BUCEN), International Programs Center. International Database. April 2004.
UNESCO 2003/4	EFA Global Monitoring Report. Gender and Education for All: The Leap to Equality. United Nations Educational, Scientific and Cultural Organization, Paris. 2003
UNICEF 2004	UNICEF Web site. Progress since the World Summit for Children. www.childinfo.org/cmr/revis/db2.htm. Data accessed on Web site in May 2004.
WHO/Global Summary 2002	WHO Vaccine-Preventable Diseases Monitoring System. 2002 Global Summary. World Health Organization, Geneva.
WHO/Global Summary 2003	WHO Vaccine-Preventable Diseases: Monitoring System. 2003 Global Summary. World Health Organization, Geneva.
WHO/Hill 2004	Kenneth Hill, Carla Abou Zahr & Tessa Wardlaw: Maternal mortality in 2000. Estimates developed by WHO, UNICEF and UNFPA, 2004.
WHO/TB Control Report 2004	Global Tuberculosis Control: Surveillance, Planning, Financing. WHO Report 2004. World Health Organization, Geneva.
World Bank/WDI 2004	World Bank Development Indicators 2004, CD-Rom. Washington, DC: The World Bank, 2004.