

INSTRUCTIONS FOR PRINTING AND ASSEMBLING PAMPHLETS

This "Community Health Status Report" is designed to be assembled as a pamphlet, with each page occupying half of an 8.5 x 11 sheet. Follow these instructions to create a pamphlet:

If your printer provides double-sided printing:

- In Print Properties, specify double-sided printing. This is sometimes called "duplex" printing.
- One option under double-sided printing should be whether to flip along the short or long edge of the paper. Choose to flip on the short edge. This may also be referred to as "tablet" printing, or "bind at top". Start printing from page 3. This will prevent these instructions from becoming part of your booklet.
- After printing, fold the document along the middle (short end to short end), so that the title page is on top. Staple along the crease. (This may be difficult without a long stapler.)

If your printer DOES NOT provide double-sided printing, you will need a copier that makes 1-to-2 sided copies

- Print the document on 8.5 x 11 sheets. Make sure the print orientation is landscape. Start printing from page 3. This will prevent these instructions from becoming part of your booklet.
- Once the document is printed, turn every second page upside down. For example, each Status Report prints on eight sheets. Turn sheets 2, 4, 6, and 8 upside down. NOTE: Upside down means that the text is inverted, NOT that the page is flipped over. All the text should still be facing you.
- Set your photocopier to make 1-to-2 sided copies. Copy the document.
- After copying, fold the document along the middle (short end to short end), so that the title page is on top. Staple along the crease. (This may be difficult without a long stapler.)

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PROVIDED TO YOU COURTESY OF:

COMMUNITY HEALTH STATUS REPORT

Benton County Washington

2008

For more information, please contact your State of local health department or the project partners, or visit the Community Health Status Indicators Project web site at:

communityhealth.hhs.gov



ASTHO
Association of State and Territorial Health
Officials

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NACCHO
National Association of County and City Health
Officials

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NALBOH
The National Association of Local Boards of
Health

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PHF
Public Health Foundation

www.phf.org
chsi@phf.org



RWJF
Robert Wood Johnson Foundation

www.rwjf.org



Our Mission: Provide Information for Improving Community Health

Brought to you by a partnership of Federal agencies and not-for-profit organizations that are identified at the end of the pamphlet. Comments and questions can be sent to comments@hrs.gov.

Please refer to the CHSI [Data Sources](#), [Definitions](#), and [Notes](#) for all sources, methods, and calculations (available on website).

communityhealth.hhs.gov

PUBLIC HEALTH IN AMERICA

VISION

Healthy People in Healthy Communities

MISSION

Promote Physical and Mental Health and Prevent Disease, Injury, and Disability

PUBLIC HEALTH

- Prevents epidemics and spread of disease
- Protects against environmental hazards
- Prevents injuries
- Promotes and encourages healthy behaviors
- Responds to disasters and assists communities in recovery
- Assures the quality and accessibility of health services

ESSENTIAL PUBLIC HEALTH SERVICES

- Monitor health status to identify community health problems
- Diagnose and investigate health problems and health hazards in the community
- Inform, educate, and empower people about health issues
- Mobilize community partnerships to identify and solve health problems
- Develop policies and plans that support individual and community health efforts
- Enforce laws and regulations that protect health and ensure safety
- Link people to needed personal health services and assure the provision of health care when otherwise unavailable
- Assure a competent public health and personal health care workforce
- Evaluate effectiveness, accessibility, and quality of personal and population-based health services
- Research for new insights and innovative solutions to health problems

Source: Public Health Functions Steering Committee, Fall 1994.

CONFIDENCE INTERVALS

SUMMARY MEASURES OF HEALTH [page 4](#)

	Value	Confidence Interval
ALL CAUSES OF DEATH	789.6	(761.4 - 817.7)
SELF-RATED HEALTH STATUS	14.3%	(12.1 - 16.6%)
AVERAGE NUMBER OF UNHEALTHY DAYS IN PAST MONTH	6.0	(5.3 - 6.6)

ADULT PREVENTIVE SERVICES USE (%) [page 10](#)

	Value	Confidence Interval
Pap Smears (18+)	79.7%	(74.8 - 84.5%)
Mammography (50+)	76.2%	(67.8 - 84.7%)
Sigmoidoscopy (50+)	44.8%	(38.5 - 51.2%)
Pneumonia vaccine (65+)	59.6%	(51.4 - 67.9%)
Flu vaccine (65+)	67.8%	(60.7 - 74.9%)

RISK FACTORS FOR PREMATURE DEATH [page 11](#)

	Value	Confidence Interval
No exercise	18.8%	(16.3 - 21.2%)
Few Fruits/Vegetables	78.9%	(75.5 - 82.2%)
Obesity	22.9%	(20.3 - 25.6%)
High Blood Pressure	23.8%	(20.3 - 27.4%)
Smoker	19.4%	(16.9 - 21.9%)
Diabetes	6.7%	(5.2 - 8.1%)

FEDERAL PARTNERS



ATSDR
Agency for Toxic Substances and Disease Registry
atsdr.cdc.gov



CDC
Center for Disease Control and Prevention
www.cdc.gov



HRSA
Health Resources and Services Administration
www.hrsa.gov



NLM
National Library of Medicine
www.nlm.nih.gov

SELECTED TERMS

Age-Adjusted death rates allow comparison of rates between communities with different age structures. Rates have been adjusted to the year 2000 standard, the standard recommended for years 1999 and later.

Expected number of infectious disease cases has been calculated by applying the rate observed for all the peer counties to the county population.

Death rates and birth measures are consistent with U.S. Healthy People 2010 objectives.

EPA air quality standards measured and exceeded are reported. Monitoring is conducted in areas believed to be at risk and is not done in every jurisdiction.

Leading causes of death are provided for underlying cause of death categories constituting 10% or more of deaths in that race/ethnicity and age group.

Prevalence rates indicate the number in a population who have a certain characteristic at any time during the period. The BRFSS survey has been weighted to represent the State's adults.

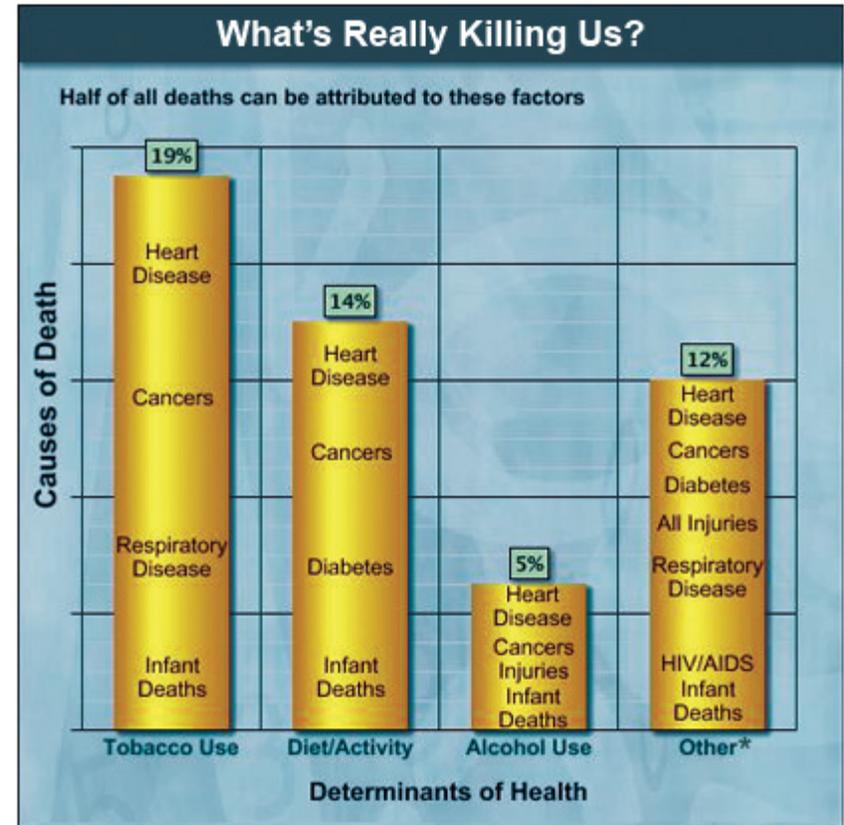
Persons enrolled in Medicaid or Medicare are program beneficiaries. The number of persons under age 65 receiving Medicare may represent a measure of disability in children and adults. Persons over age 65 with Medicaid coverage may also represent a population having greater medical needs.

Relative health importance determination of unfavorable were rates above the peer or the U.S. rate.

Vulnerable populations of the work disabled, those depressed, and recent drug users were estimated. Work disabled used a regression-based county-specific estimate. National age- or race-specific rates of major depression and recent drug use were applied to the county population to obtain the county estimate.

For complete information regarding data definitions and sources, please refer to the Data Sources, Definitions, and Notes available on HRSA's web site at:

communityhealth.hhs.gov



* Other lifestyle and personal behavior (nongenetic) risk factors include microbes, toxins, firearms, sexual behavior, motor vehicles, and drug use. Source: McGinnis, J.M., & Foegen, W.H. (1993). Actual causes of death in the United States. JAMA., 270(18), 2207-2212.

While we may measure deaths due to heart disease, cancers, or infant deaths, we should always keep in mind that factors such as tobacco, diet, activity, and alcohol use substantially contribute to these deaths. For example, as shown in the above graphic, tobacco use accounts for 19 percent of all U.S. deaths.

DEMOGRAPHIC INFORMATION

Benton County, WA

Population size¹	157,950
Population density (people per square mile)²	93
Individuals living below poverty level³	10.1%
Age distribution¹	
Under Age 19	27.7%
Age 19-64	61.7%
Age 65-84	9.1%
Age 85+	1.5%
Race/Ethnicity¹	
White	93.4%
Black	1.2%
American Indian	1.0%
Asian/Pacific Islander	2.7%
Hispanic origin (non add)	14.3%

PEER COUNTIES

Peer counties (counties and county-like geographic areas) in stratum number 12 were stratified on the basis of the following factors: frontier status, population size, poverty, age. Below are peer county ranges representing the 10th and 90th percentile of values. This trimmed range of peer county value is used consistently throughout the report.

Population size¹	126,158 - 268,187
Population density (people per square mile)²	137 - 605
Individuals living below poverty level³	4.6 - 9.5%
Age distribution¹	
Under Age 19	24.2 - 29.7%
Age 19-64	60.7 - 64.7%
Age 65-84	7.0 - 10.9%
Age 85+	0.8 - 1.9%
Race/Ethnicity¹	
White	79.8 - 97.0%
Black	0.9 - 11.5%
American Indian	0.2 - 1.0%
Asian/Pacific Islander	0.8 - 5.2%
Hispanic origin (non add)	1.2 - 10.3%

nda No data available.

¹ The Census Bureau. Current Population Estimates, 2005.

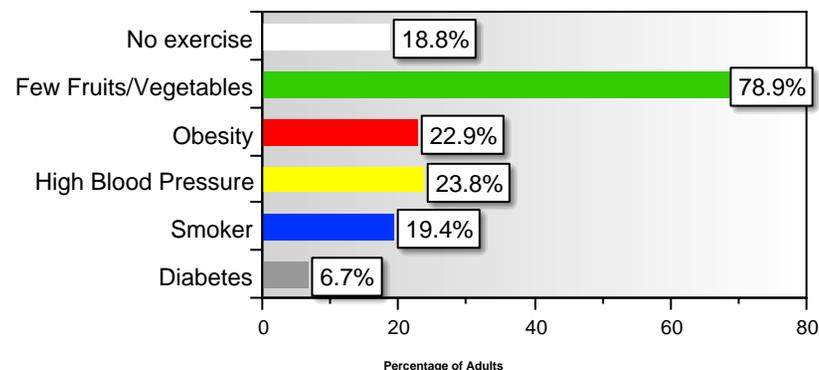
² HRSA. Area Resource File, 2005.

³ The Census Bureau. Small Area Income Poverty Estimates, 2003.

RISK FACTORS FOR PREMATURE DEATH¹

Benton County, WA

Communities may wish to obtain information about these measures, collected and monitored at local level.



nrf No report, survey sample size fewer than 50.

¹ CDC. Behavioral Risk Factor Surveillance System, 2000-2006.

ACCESS TO CARE

Benton County, WA

In addition to use of services, access to care may be characterized by medical care coverage and service availability.

Uninsured individuals ¹	21,657
Medicare beneficiaries ²	
Elderly (Age 65+)	15,210
Disabled	2,550
Medicaid beneficiaries:	
<i>The number of beneficiaries for each county is not available nationally, but may be obtained from your state.</i>	
Primary care physicians per 100,000 pop. ²	69.6
Dentists per 100,000 pop. ²	35.5
Community/Migrant Health Centers ³	Yes
Health Professional Shortage Area ³	No

nda No data available.

¹ The Census Bureau. Small Area Health Insurance Estimates Program, 2000.

² HRSA. Area Resource File, 2005.

³ HRSA. Geospatial Data Warehouse, 2007.

PREVENTIVE SERVICES USE

Benton County, WA

INFECTIOUS DISEASE CASES¹

These diseases respond to public health control efforts. The expected number is based on the occurrence of cases among peer counties.

	Reported Cases	Expected Cases
AIDS	rna	rna
Tuberculosis	rna	rna
🍏 Haemophilus influenzae B	0	5
🍏 Hepatitis A	8	9
🍏 Hepatitis B	1	5
🍏 Measles	0	0
🍏 Pertussis	8	18
🍏 Congenital Rubella Syndrome	0	0
🍏 Syphilis	0	0

🍏 Indicates a status favorable to peers.

🔍 Indicates a status less than favorable.

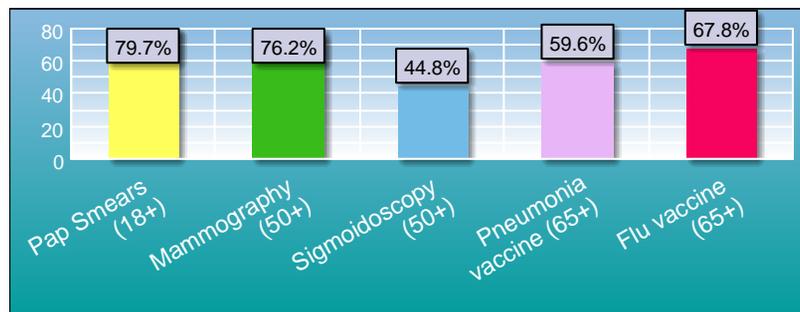
rna The release of data for all counties has not been authorized

nda No data available.

CHILD PREVENTIVE SERVICES USE

Indicators such as immunizations, dental caries, and the prevalence of lead screening are not collected at the national level and must be obtained locally.

ADULT PREVENTIVE SERVICES USE (%)²



nrf No report, survey sample size fewer than 50.

¹ CDC. National Notifiable Diseases Surveillance System, 2001-2003.

² CDC. Behavioral Risk Factor Surveillance System, 2000-2006.

PEER COUNTIES

A distinctive aspect of this report is the ability to compare a county with its peers, those counties similar in population composition and selected demographics. Strata, or peer group size averages 36 and ranges from 15 to 62 counties. There are a total of 88 strata. Listed below are the 56 peer counties in stratum number 12. Due to the population size of counties within this stratum, data on vital statistics (e.g. births and deaths) and nationally notifiable diseases were aggregated across the most recent 3 year time period (2001-2003) in order to ensure stable estimates.

California

El Dorado County
Placer County

Colorado

Douglas County

Connecticut

Windham County

Florida

Clay County

Georgia

Cherokee County

Hawaii

Maui County

Illinois

McHenry County
Tazewell County

Indiana

Elkhart County
Hamilton County
Johnson County
Porter County

Maryland

Carroll County
Charles County
Frederick County
Harford County
Howard County

Michigan

Allegan County
Eaton County
Livingston County
Monroe County
Ottawa County
St. Clair County

Minnesota

Olmsted County
Stearns County
Washington County

Mississippi

Rankin County

Missouri

Jefferson County

Nebraska

Sarpy County

New Jersey

Gloucester County
Sussex County

New York

Saratoga County

North Carolina

Union County

Ohio

Clermont County
Fairfield County
Medina County
Wayne County

Tennessee

Rutherford County
Sumner County
Williamson County

Texas

Williamson County

Utah

Davis County
Weber County

Virginia

Chesapeake City
Loudoun County

Washington

Kitsap County
Thurston County

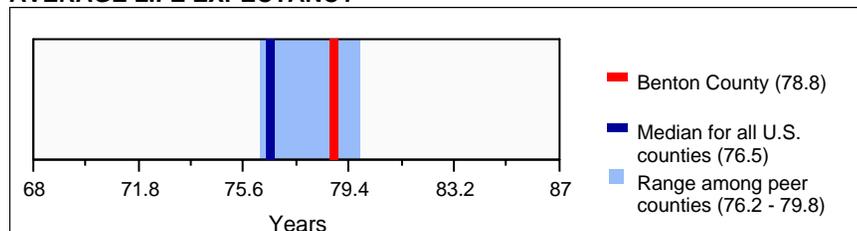
Wisconsin

Brown County
Kenosha County
Marathon County
Outagamie County
Racine County
Rock County
Sheboygan County
Washington County

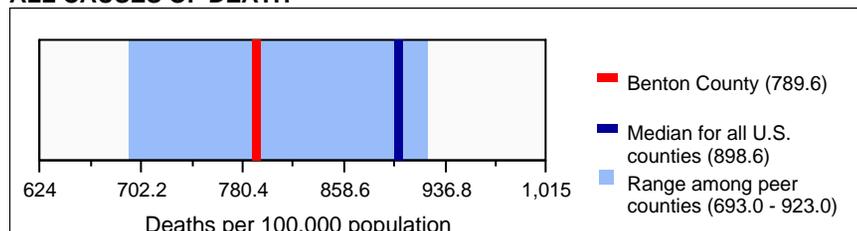
SUMMARY MEASURES OF HEALTH

Benton County, WA

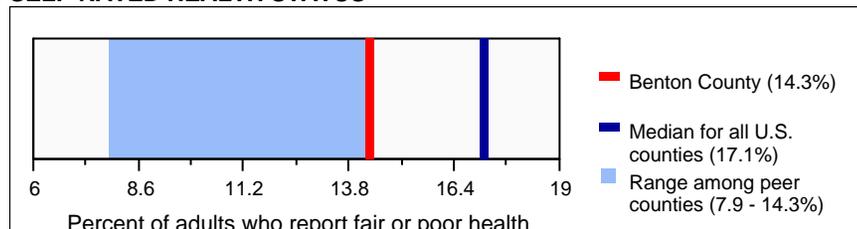
AVERAGE LIFE EXPECTANCY¹



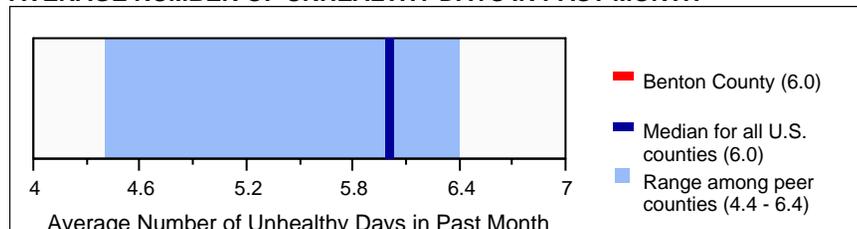
ALL CAUSES OF DEATH²



SELF-RATED HEALTH STATUS³



AVERAGE NUMBER OF UNHEALTHY DAYS IN PAST MONTH³



nrf No report, survey sample size fewer than 50.

nda No data available.

¹ Murray et al., PLoS Medicine 2006 Vol. 3, No. 9, e260
doi:10.1371/journal.pmed.0030260, 1999.

² NCHS. Vital Statistics Reporting System, 2001-2003.

³ CDC. Behavioral Risk Factor Surveillance System, 2000-2006.

VULNERABLE POPULATIONS

Benton County, WA

Vulnerable populations may face unique health risks and barriers to care, requiring enhanced services and targeted strategies for outreach and case management.

Vulnerable Populations Include People Who¹

Have no high school diploma (among adults age 25 and older)	14,956
Are unemployed	4,918
Are severely work disabled	3,444
Have major depression	9,173
Are recent drug users (within past month)	10,414

nda No data available.

¹ The most current estimates of prevalence, obtained from various sources (see the Data Sources, Definitions, and notes for details), were applied to 2005 mid-year county population figures.

ENVIRONMENTAL HEALTH

Benton County, WA

INFECTIOUS DISEASES¹

Cases	Reported	Expected
🍎 E.coli	11	9
🍎 Salmonella	51	59
🔍 Shigella	16	18

TOXIC CHEMICALS RELEASED ANNUALLY²: 2,581,386 pounds

NATIONAL AIR QUALITY STANDARDS MET BY COUNTY³

Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Ozone	Particulate Matter	Lead
Yes	Yes	Yes	Yes	Yes	Yes

🍎 Indicates a status favorable to peers.

🔍 Indicates a status less than favorable.

nda No data available.

¹ CDC. National Notifiable Diseases Surveillance System, 2001-2003.

² EPA. Toxic Release Inventory (TRI) Explorer Report, 2005.

³ EPA. AIRSData, 2006.

RELATIVE HEALTH IMPORTANCE

Benton County, WA

		Your Health Status Compared to Peers	
		UNFAVORABLE	FAVORABLE
Your County's Health Compared to US Rates	UNFAVORABLE	 <ul style="list-style-type: none"> • Births to Women under 18 • No Care in First Trimester • Hispanic Infant Mortality • Colon Cancer • Lung Cancer • Stroke • Suicide 	
	FAVORABLE	<ul style="list-style-type: none"> • Premature Births (<37 weeks) • Births to Unmarried Women • White non Hispanic Infant Mortality • Post-neonatal Infant Mortality • Homicide • Motor Vehicle Injuries • Unintentional Injury 	 <ul style="list-style-type: none"> • Low Birth Wt. (<2500 g) • Very Low Birth Wt. (<1500 g) • Births to Women over 40 • Infant Mortality • Neonatal Infant Mortality • Breast Cancer (Female) • Coronary Heart Disease

The Relative Health Importance table creates four categories of relative concern by simply comparing a county to its peers and to the U.S.

A county's indicators in the upper left-hand box (🔍) are higher than the U.S. and its peers and may warrant more attention. Conversely, indicators in the lower right-hand box (🍏) of the table compare favorably to both peers and the U.S. The other boxes represent intermediate levels of health where a county's rate is higher than either its peers or the U.S., but not both.

Source: [Measures of Birth and Death tables, pages 6 - 7.](#)

NATIONAL LEADING CAUSES OF DEATH¹

Benton County, WA

	White	Black	Other	Hispanic
Under Age 1				
Complications of Pregnancy/Birth	51%	nrf	nrf	nrf
Birth Defects	nrf	nrf	nrf	nrf
Ages 1-14				
Injuries	32%	nrf	nrf	nrf
Cancer	16%	nrf	nrf	nrf
Homicide	nrf	nrf	nrf	nrf
Ages 15-24				
Injuries	58%	nrf	nrf	nrf
Homicide	nrf	nrf	nrf	nrf
Suicide	21%	nrf	nrf	nrf
Cancer	nrf	nrf	nrf	nrf
Ages 25-44				
Injuries	20%	nrf	nrf	nrf
Cancer	29%	nrf	nrf	nrf
Heart Disease	12%	nrf	nrf	nrf
Suicide	11%	nrf	nrf	nrf
HIV/AIDS	nrf	nrf	nrf	nrf
Homicide	nrf	nrf	nrf	nrf
Ages 45-64				
Cancer	34%	nrf	nrf	24%
Heart Disease	21%	nrf	nrf	24%
Ages 65+				
Heart Disease	29%	nrf	nrf	17%
Cancer	23%	nrf	nrf	19%

nrf No report, fewer than 20 deaths in race/ethnicity and age group or less than 10% of the deaths.

nda No data available.

Local data are presented for the Nation's top leading causes of death in each age group. Columns, within age categories, do not total 100% because all causes of death are not listed.

The most complete ethnicity data available are reported.

¹ NCHS. Vital Statistics Reporting System, 2001-2003.

MEASURES OF BIRTH AND DEATH¹

Benton County, WA

County Percent / C.I.		Peer County Range	Birth Measures	U.S. Percent 2003	Healthy People 2010 Target
6.1	(5.5 , 6.7)	5.6 - 7.8	Low Birth Wt. (<2500 g)	7.9	5.0
1.1	(0.8 , 1.3)	0.9 - 1.5	Very Low Birth Wt. (<1500 g)	1.4	0.9
11.8	(11.0 , 12.6)	9.5 - 12.6	Premature Births (<37 weeks)	12.3	7.6
3.7	(3.3 , 4.2)	1.0 - 3.6	Births to Women under 18	3.4	No objective
2.0	(1.7 , 2.3)	1.5 - 3.6	Births to Women over 40	2.6	No objective
30.4	(29.3 , 31.6)	13.9 - 33.9	Births to Unmarried Women	34.6	No objective
29.0	(27.6 , 30.4)	6.0 - 19.8	No Care in First Trimester	16.0	10.0

County Rate / C.I.		Peer County Range	Infant Mortality ²	U.S. Rate 2003	Healthy People 2010 Target
5.8	(4.1 , 7.9)	4.2 - 7.8	Infant Mortality	6.8	4.5
5.4	(3.5 , 8.0)	3.9 - 7.5	White non Hispanic Infant Mortality	5.7	4.5
nrf	(nrf , nrf)	0.0 - 31.3	Black non Hispanic Infant Mortality	13.6	4.5
6.3	(3.0 , 11.5)	0.0 - 9.2	Hispanic Infant Mortality	5.6	4.5
3.7	(2.3 , 5.4)	2.7 - 5.7	Neonatal Infant Mortality	4.6	2.9
2.1	(1.2 , 3.6)	1.1 - 2.8	Post-neonatal Infant Mortality	2.2	1.2

County Rate / C.I.		Peer County Range	Death Measures ³	U.S. Rate 2003	Healthy People 2010 Target
23.0	(17.0 , 30.3)	18.3 - 29.6	Breast Cancer (Female)	25.3	21.3
19.9	(15.6 , 24.9)	15.1 - 24.1	Colon Cancer	19.1	13.7
154.2	(141.6 , 166.7)	109.3 - 211.5	Coronary Heart Disease	172.0	162.0
2.2	(1.1 , 4.1)	0.9 - 3.7	Homicide	6.0	2.8
55.9	(48.4 , 63.3)	38.9 - 67.6	Lung Cancer	54.1	43.3
14.8	(11.4 , 18.8)	9.4 - 19.9	Motor Vehicle Injuries	14.8	8.0
61.9	(53.9 , 69.8)	45.4 - 67.8	Stroke	53.0	50.0
12.8	(9.7 , 16.7)	7.3 - 13.9	Suicide	10.8	4.8
21.0	(16.8 , 26.0)	13.0 - 23.9	Unintentional Injury	37.3	17.1

The total number of births during this time period was 6,573 and the total number of deaths was 3,058.

🍏 Indicates a status favorable to peers.

👤 Indicates a status less than favorable.

nrf No report, fewer than 500 births and 5 events (birth measures and infant mortality) or fewer than 10 events (death measures) occurred during the specified time period.

nda No data available.

¹ NCHS. Vital Statistics Reporting System, 2001-2003.

² Infant mortality: deaths per 1000 live births (Neonatal: <28 days; post-neonatal: day 28 to under one year) .

³ Rates are age-adjusted to the year 2000 standard; per 100,000 population .