

For more information contact your local health department:

Douglas County Health Department  
P. O. Box 940  
603 NW 12th Avenue, Bldg. C  
Ava, MO 65608  
417-683-4174

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ASTHO  
Association of State and Territorial Health  
Officials  
[www.astho.org](http://www.astho.org)  
[chsi@astho.org](mailto:chsi@astho.org)

Johns Hopkins University  
Bloomberg School of Public Health  
[www.communityPHIND.net](http://www.communityPHIND.net)  
[chsi@jhu.edu](mailto:chsi@jhu.edu)

NACCHO  
National Association of County and City Health Officials  
[www.naccho.org](http://www.naccho.org)  
[chsi@naccho.org](mailto:chsi@naccho.org)

NALBOH  
The National Association of Local Boards of Health  
[www.nalboh.org](http://www.nalboh.org) [chsi@nalboh.org](mailto:chsi@nalboh.org)

PHF  
Public Health Foundation [www.phf.org](http://www.phf.org)  
[chsi@phf.org](mailto:chsi@phf.org)

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# Community Health Status Report



**Public Health**  
Prevent. Promote. Protect.

## Douglas County Missouri 2008

Available for download at [www.dchd.org](http://www.dchd.org)

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER  
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## 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 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.

## HEALTH & PREVENTIVE PRACTICES

	Douglas County %	Regional %	State %
Fair or poor general health status	22	25.1	16.8
Activity limitation	27	27.7	22
No health-care coverage	18.5	18.9	14.7
Current cigarette smoking	23.6	27.8	23.2
Nor leisure time physical activity	36.9	29.9	25.3
Less than 5 fruits & vegetables per day	81.5	77.8	76.1
Overweight (25.0-29.9 body mass index)	43.3	36.8	35.7
Obese (>=30 body mass index)	28.1	31.2	29.1
Current high blood pressure	26.2	24.4	19.6
Ever had blood cholesterol checked—age 35 and older	84.4	87.2	89.3
Has high cholesterol—age 35 and older	29.4	23.8	20.2
Current asthma	11.8	9.3	8.5
Current diabetes	6.2	11.3	9.3
Never had a mammogram—women age 40 and older	19.7	11.8	8.7
No mammogram or clinical breast exam in last year—women age 40 and older	44.9	33.9	27.6
Never had a pap smear—women age 18 and older	1.4	3.7	3.4
No pap smear in the last 3 years—women age 18 and older	25.8	25.4	19.5
Never had a blood stool test—men and women age 50 and older	60.3	59.3	58.5
No blood stool test in last year—men and women age 50 and older	92.6	85.3	87.1
Never had a sigmoidoscopy or colonoscopy—men and women age 50 and older	46.6	44.3	36.6
No sigmoidoscopy or colonoscopy—past 10 years—men and women 50 and older	51.6	48.9	40.4






Adapted from MO Dept. of Health & Senior Services Health & Preventive Practices County Level Survey, 2007

## PREVENTIVE SERVICES USE

### Douglas County, MO

#### Infectious Disease Cases<sup>1</sup>

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

	Reported Cases	Expected Cases
Hepatitis A 	6	9
Hepatitis B 	3	4
Measles 	0	0
Pertussis 	2	8
Syphilis 	0	5

## 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 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 o HRSA website at:

[communityhealth.hhs.gov](http://communityhealth.hhs.gov)

## RISK FACTORS FOR PREMATURE DEATH

	County Prevalence	Southeast Prevalence	State Prevalence
<b>Behavioral Risk Factors</b>			
Physical Inactivity	25.3	30.6	23.0
Current Smoker	25.1	28.1	26.5
Overweight (BMI-25-29.9)	43.4	36.9	35.3
Obese (BMI>29.9)	26.7	26.9	23.4
<b>Disease and Conditions</b>			
High Blood Pressure	24.3	30.0	28.5
High Cholesterol (35 years+)	29.8	38.2	37.3
Diabetes	7.0	7.5	7.2

Missouri Dept. of Health and Senior Services. 2003 Health and Preventive Practices Status Report.

## DEMOGRAPHIC INFORMATION

### Douglas County, MO

Population Size <sup>1</sup>	13,594
Populations Density (people per square mile) <sup>2</sup>	17
Individuals living below poverty level <sup>3</sup>	17.0%
Age Distribution <sup>1</sup>	
Under Age 19	23.3%
Age 19-64	60.4%
Age 65-84	14.0%
Age 85+	2.3%
Race/Ethnicity <sup>1</sup>	
White	97.1%
Black	.1%
American Indian	1.1%
Asian/Pacific Indian	.2%
Hispanic origin (non add)	1.1%

### Peer Counties

Peer Counties (counties and county-like geographic areas) in stratum number 75 were stratified on the basis of the following factors: frontier status, population size, poverty, age, population density. Below are peer county ranges representing the 10th and 90th percentile values. This trimmed range of peer county value is used consistently throughout the report.

Population size <sup>1</sup>	6,228—19,495
Population density (people per square mile) <sup>2</sup>	15—22
Individuals living below poverty level <sup>3</sup>	17.0—24.9%
Age Distribution <sup>1</sup>	
Under Age 19	22.3—28.6%
Age 19-64	55.2—63.8%
Age 65-84	11.0—15.1%
Age 85+	1.8—2.6%
Race/Ethnicity <sup>1</sup>	
White	30.0—97.1%
Black	1.1—69.6%
American Indian	.1—1.6%
Asian/Pacific Indian	.1—.5%
Hispanic origin (non add)	.7—37.8%

nda No data available

<sup>1</sup>The Census Bureau. Current Population Estimates, 2005.

<sup>2</sup>HRSA. Area Resource File, 2005.

<sup>3</sup>The Census Bureau. Small Area Income Poverty Estimates, 2003.

## ACCESS TO CARE

### Medicaid Participation<sup>1</sup>

	Total Enrolled
Age Groups	January 2008
Under 1	123
1 to 4	404
5 to 14	827
15 to 17	247
18 to 19	97
20 to 24	149
25 to 44	417
45 to 64	495
65 and Over	426
<b>TOTAL</b>	<b>3,207</b>

Uninsured individuals under the age of 65 <sup>2</sup>	1,842
Medicare beneficiares <sup>3</sup>	
Elderly (Age 65+)	1,899
Disabled	447

<sup>1</sup> Missouri Department of Senior Services MICA

<sup>2</sup>The Census Bureau. Small Area Health Insurance Estimates Program, 2005

<sup>3</sup>HRSA. Area Resource File, 2005.

## VULNERABLE POPULATIONS

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 Who<sup>1</sup>

Have no high school diploma (among adults age 25 and older)	2,831
Are unemployed	362
Are severely work disabled	460
Have major depression	913
Are recent drug users (within past month)	654

<sup>1</sup>The most current estimates of prevalence, obtained from various sources were applied to 2005 mid-year county population figures.

## ENVIRONMENTAL HEALTH

### Infectious Disease<sup>1</sup>

Cases	Reported
E.coli	1
Salmonella	16
Shigella	1

**Toxic Chemical Release Annually<sup>2</sup>:** 94 pounds

### National Air Quality Standards Met by County<sup>3</sup>

<input checked="" type="checkbox"/> Carbon Monoxide	<input checked="" type="checkbox"/> Nitrogen Dioxide
<input checked="" type="checkbox"/> Sulfur Dioxide	<input checked="" type="checkbox"/> Ozone
<input checked="" type="checkbox"/> Particulate Matter	<input checked="" type="checkbox"/> Lead

<sup>1</sup>CDC. National Notifiable Diseases Surveillance Systems, 1994-2003

<sup>2</sup>EPA. Toxic Release Inventory (TRI) Explore Report, 2005.

<sup>3</sup>AIRSData, 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 36 peer counties in stratum number 75. 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 10 year time period (1994-2003) in order to ensure stable estimates.

### Alabama

Bullock County  
Conecuh County  
Greene County  
Perry County  
Wilcox County

### Arkansas

Arkansas County  
Lafayette County  
Monroe County  
Nevada County  
Woodruff County

### Colorado

Otero County

### Florida

Dixie County

### Georgia

Calhoun County  
Clay County  
Miller County  
Randolph County  
Warren County  
Wheeler County  
Wilcox County

### Louisiana

Caldwell Parish

### Mississippi

Amite County  
Carroll County  
Choctaw County  
Franklin County

### Missouri

Dent County  
Iron County  
Ripley County  
Texas County

















### Oklahoma

Beckham County  
Choctaw County  
Johnston County

### Texas

Gonzales County  
Karnes County  
Lamb County  
Nolan County  
Robertson County

# MEASURES OF BIRTH AND DEATH<sup>1</sup>

	Peer County Range		Douglas County Percent	US Percent 2003	Healthy People 2010 Target
Birth Measures <sup>1</sup>					
Low Birth Weight (<2500 g)	7.4—13.4		6.2	7.9	5.0
Very Low Birth Weight (<1500 g)	1.0—2.8		1.0	1.4	0.9
Premature Births (<37 weeks)	11.6—18.3		12.5	12.3	7.6
Births to Women under 18	6.1—10.8		5.2	3.4	no objective
Births to Women over 40	0.7—1.5		1.5	2.6	no objective
Births to Unmarried Women	32.3—67.3		26.8	34.6	no objective
No Care in First Trimester	14.7 — 30.6		14.6	16.0	10.0
Death Measures <sup>2</sup>					
Breast Cancer (female)	18.6—34.5		27.1	25.3	21.3
Colon Cancer	16.9—29.6		27.5	19.1	13.7
Coronary Heart Disease	149.0—266.0		154.8	172.0	162.0
Homicide	4.1—17.8		nrf	6.0	2.8
Lung Cancer	45.5—84.2		57.8	54.1	43.3
Motor Vehicle Injuries	28.2—45.9		34.2	14.8	8.0
Stroke	48.7—110.1		56.1	53.0	50.0
Suicide	9.1—19.8		23.3	10.8	4.8
Unintentional Injury	18.9—36.1		23.3	37.3	17.1



Indicates a status favorable to peers.



Indicates a status less than favorable to peers.

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

<sup>1</sup>NCHS. Vital Statistics Reporting Systems, 1994-2003

<sup>3</sup>Rates are age-adjusted to the year 2000 standard; per 100,000

Total number of deaths during this time period was 1,413 and the total number of deaths was 1,447.