

# Cooper County

- 2008 Community Health Assessment

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- Nurse Manager

# Introduction

- The Community Assessment for Cooper County is a brief overview of health concerns and issues. This project should be considered a work in progress. This project is data dependent and driven. Therefore, it shall always have a need for updates and improvements.

January 2008

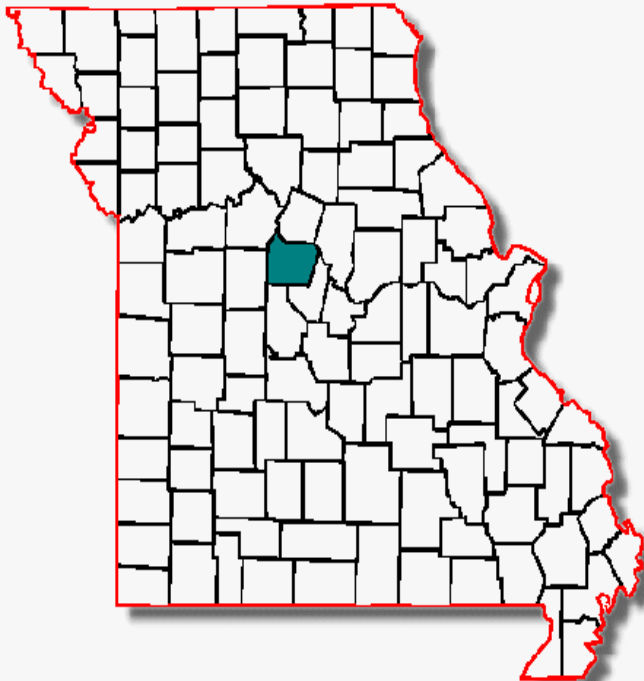
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# County Geographic Description

• - Cooper



11-21-03

- Land area 566 Sq. miles
- 30 Persons per sq. mile
- Situated on the south bank of the Missouri River
- Founded in 1818
- Six townships
- Two Villages
- One major interstate highway

# County Population Description

- Population - 16,670 (2007 County estimate shows an increase of 771 residents @17,441)
- 88.4% White
- 9.6% African American
- 2% Other
- Median Age is 35 years
- 54% Male – 46% Female
- 50% of population resides within the county seat of Boonville.

# Family Economic Status

- Median family income for Cooper County was \$41,526 in 2005 compared to \$46,044 for Missouri
- Per Capita Money Income for 2005 was \$23,351 compared with \$31,231 for Missouri
- 2005 Poverty rate was 12.7 % compared to the state rate of 13.6%
- The poverty rate among children (16.4% was lower than that of the state (19.5%))

# Nutritional Status

- Children enrolled in free & reduced lunch program 41.4% - State Rate 40.7
- Low birth-weight infants, 2002-2006 was 8.4% - State Rate 8.1%
- 24 – 59 month old WIC Participants – 2004 Overweight – 15.5%
- Prenatal underweight: FY 2006 – 15% compared to FY 2007 – 16%
- Prenatal overweight: FY 2006 & 2007 - 45%
- Underweight Infants: FY 2006 – 1% compared to FY 2007 – 5%
- Inappropriate Nutrition Practices FY 2006 – 32% compared to FY 2007 – 48%

# Employment for Cooper County

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## Top Five

- Farm Employment – 10.6%
- Retail Trade – 10.5%
- Manufacturing – 10.0%
- Local Government – 9.2%
- Health Care and Social Assistance – 6.6%



# Agriculture

- In 1998 Acreage for Cooper County farmers are listed as follows.

- #1 Soybean 69,000 ac
- #2 Corn 35,100ac
- #3 Wheat 26,900ac
- #4 Hay 31,800ac

- #5 Sorghum 1,000ac



- Livestock 1999
  - All cattle 48,000
  - All hogs & pigs 27,100

Mo. Agricultural Facts

\*No new data available since 2003 Assessment

# Cooper Co. Educational System

## Public School Systems

- Boonville
- Blackwater
- Bunceton
- Pilot Grove
- Prairie Home
- Otterville
- All public schools are accredited by DESE.

## Private Parochial Schools

- St. Peter & Paul - 184
- St. Joseph - 48
- Zion Lutheran - Lone Elm - 25
- Total Population <300 students

# Cooper Co. Public School Dropout Rate per School Year

	2003/2004	2004/2005	2005/2006	2006/2007	
Boonville	13	14	13	6	
Total Population	1450	1480	1533	1563	
Bunceton	0	0	1	0	
Total Population	77	80	72	63	
Pilot Grove	0	0	1	1	
Total Population	262	284	292	285	
Prairie Home	0	0	2	3	
Total Population	155	156	155	152	
Otterville	0	3	2	1	
Total Population	280	275	279	263	
Blackwater 1- 8	0	0	0	0	
Total Population	137	134	135	120	

# Educational Attainment

- In 2000, 13.7% of residents over 25 years were college graduates compared to 21.6% statewide.
- The High School graduation rate in 2006 of 91.3%, as reported by the MO Dept. of Education and Secondary education was higher than the state at 85.8%.

\*MU Extension Social & Economic Profile for Cooper County, MO

# County Health Status

- Health Statistics for Cooper County have been reviewed for major areas of concern. Cooper County has the distinction of being average in comparison to the State of Missouri. Complacency about this data should be of utmost concern. Cooper County has cause for alarm in several areas.

# Chronic Disease Rates & Hospitalizations

The top 3 causes of death and Hospitalization for Cooper County remain unchanged from the 2003 assessment. Even though Cooper County rates remain lower than state rates, these are the highest rates for Cooper County:

- Heart Disease & Stroke
- Cancer
- Diabetes

# Health Related Risk Factors

- Overweight – 37.2%
- Obese – 21.8%
- Physical Inactivity – 26.5%

These risk factors play a role in all three of the major health concerns for Cooper County: heart disease & stroke, diabetes, & cancer. These figures are from 2004 and may currently be higher.

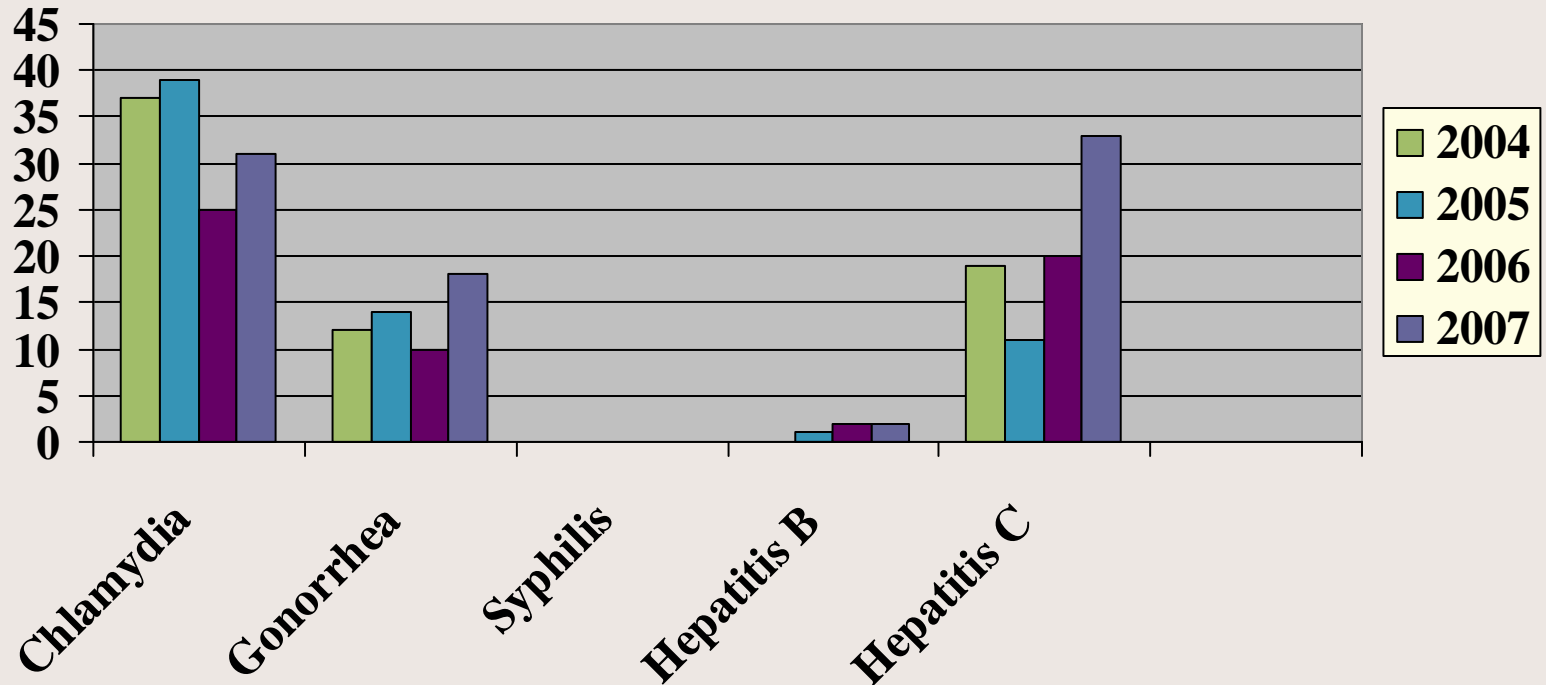
# Maternal Child Health Concerns

- Smoking during pregnancy:
  - Cooper County Rate 22.3
  - State Rate 18.2
- Low birth weight infants
- Births to teens: 2006
  - 15 – 17 year olds: 6
  - 18 – 19 year olds: 19
- Prenatal weight gain > 45 Pounds:
  - Cooper County Rate - 19.9
  - State Rate – 19.2



# Sexually Transmitted Disease

Cooper Co. Sexually Transmitted Disease Rates



# Health Care System

- Declared Health Care Professional Shortage area.
- Six dentists. None of whom accept Medicaid
- One Hospital & Two Rural Health Clinics
- Five Nursing Homes, One ambulatory Care center
- \*Two home health & one hospice agencies

\*Howard County Home Health & Hospice also serves Cooper County

# Crime 2007

- City of Boonville reports:
  - One homicide
  - 154 major crimes - down 78 from 2003 assessment
  - 27 violent crimes – down 18 from 2003
- Rural Cooper County reports:
  - 13 violent crimes
  - 146 property crimes

\*Rural County Data Obtained from Missouri Uniform Crime Reporting Program

\*Violent crimes include: murder, rape, robbery and aggravated assault.

\*Property crimes include: burglary, larceny-theft, motor vehicle theft, robbery and arson

# Environment

- Water Quality- water source for Boonville and 3 water districts is the Missouri River.
- City of Boonville annual water quality reports from 2005 and 2006 indicate that our water remains within acceptable limits per DNR testing.
  - A Variance, granted by DNR to the Boonville Public Water System for trihalomethanes (THM's) violations, became effective on February 1, 2006 and remains in effect until July 31, 2008 to allow time for the city to take the appropriate corrective action.

# Trihalomethanes

- THM's are by-products of the disinfection process that uses chlorine.
- Some people who drink water containing THM's in excess of the maximum contaminant level over many years may experience problems with liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.
- The city advises infants and anyone with a compromised immune system, to seek advice from their health care providers about drinking water that contains contaminants.

# Environmental Cont.

- Missouri Ranks 11<sup>th</sup> in States with Potential lead hazards with 60,000 housing units built pre-1950.
- Cooper County ranks 45<sup>th</sup> in the state for risk of childhood lead poisoning due to age of housing. Risk are calculated on number of housing units built pre-1950 with low-income residents.
- Cooper County has 2,000 pre-1950 housing units.
- There are no known current lead abatement projects or investigations

\*Scorecard – The Pollution Information Site

# Waste

- There are no open landfills within the County of Cooper. Waste is currently being trucked to Boone County

# Hazardous Waste

- Per DHSS Hazardous Substance Release Profile for 2004:
  - There was one event reported involving ammonia leaking from a valve on a tanker truck.
  - There are multiple anhydrous ammonia thefts at fertilizer plants & Coops each year related to using ammonia for methamphetamine production.

\*The MO HSEES surveillance program ended in 2006. No new data is available.



# Data Source

- Data may vary in small amounts depending on source of data. Each agency collects data in a separate way.
- Most data used in the report is secondary. Sources include: (OSED) Office of Social & Economic Data Analysis, Census Bureau, MO Dept of Health & Senior Services, Scorecard, MU Extension.
- Primary data is locally collected agency based data.