

Columbus Rural Health Works



KANSAS RURAL
HEALTH WORKS



Communities Building Affordable & Sustainable Healthcare Systems

Health and Behavioral Data

Introduction

Kansas Rural Health Works (KRHW) is dedicated to helping rural communities build affordable and sustainable local health care systems. Health care is important to seniors, young families and companies. But rural health care systems are facing many challenges: hospitals are closing; services have been cut; doctors won't come to the area or they don't stay; Medicare and Medicaid payments are too low. Rural residents can revitalize their local health care system. KRHW provides the tools. Local visionary leadership puts these tools to work. KRHW helps communities keep health care dollars at home. Sponsored by the Kansas Rural Health Options Project with funding from the Office of Rural Health Policy, Health Resources and Services Administration.

Health and Behavioral Data Summary

Following are a variety of data and statistics about health and behavioral characteristics in Cherokee County that may have implications for local health care needs. The data is reported by county.

- Over time, the trend in nursing home occupancy may suggest an overall decline. This may reflect the preference for community-based care outside of a nursing home.

- Considering available indicators of children's welfare, the percentage of women receiving adequate prenatal care is below the state rate. The rates of youth tobacco use and binge drinking are about 15%.

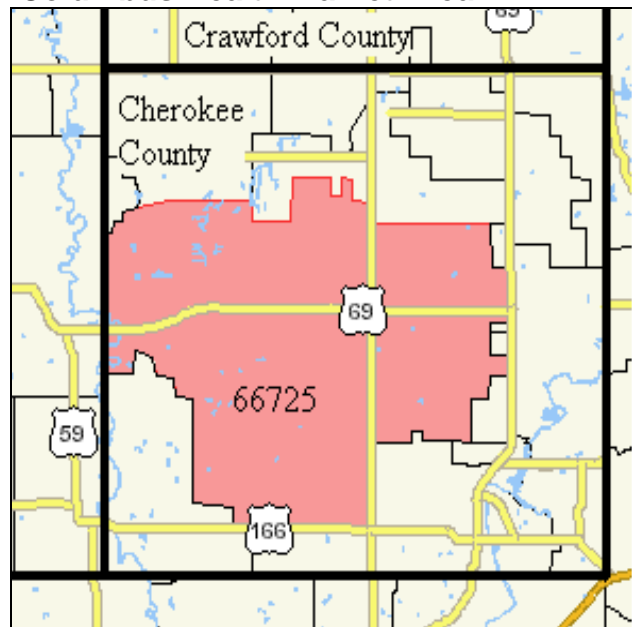
- Data related to persons served by selected publicly-funded services suggest a significant number of individuals and families in the county are in need of economic assistance.

- Data show that over 40% of newborns in the county received less than adequate prenatal care in 2007.

- There were 29 out-of-wedlock teenage pregnancies in 2007.

- Trends in recent hospital usage suggest an increasing level of demand.

Columbus Health Market Area



ZIP codes within the Columbus Health Area.
Source: Claritas, Inc. 2009

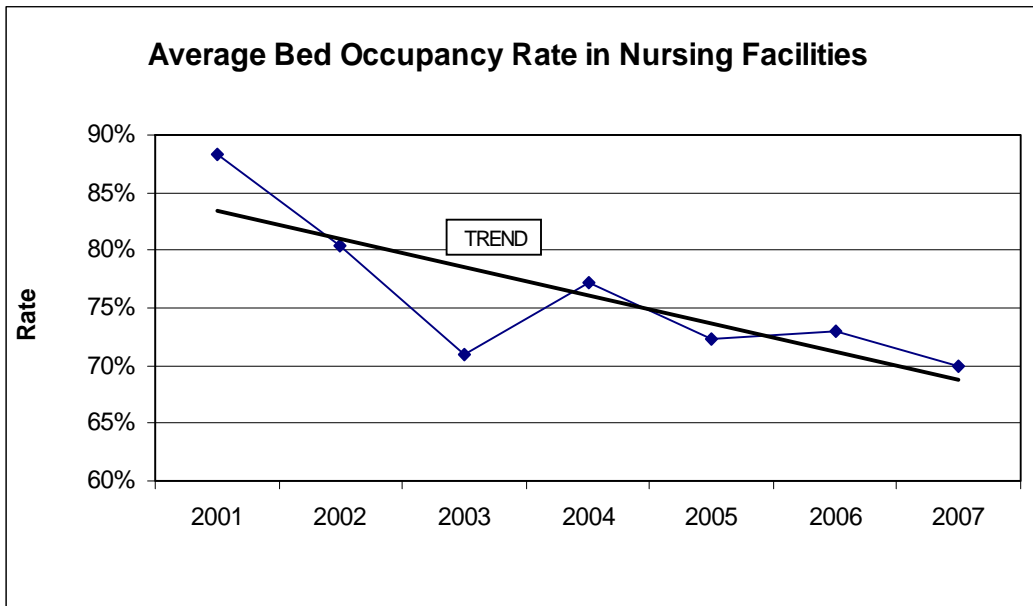
Columbus Rural Health Works

The number of nursing home beds combines all licensed nursing home beds in Cherokee County. Over time, occupancy has generally declined. This may reflect the broader trend of persons' preference for community-based care outside of a nursing home.

Table 1. Average Cherokee County Occupancy of Nursing Home Beds

	2001	2002	2003	2004	2005	2006	2007
Number of Beds	207	255	252	238	238	230	230
Average Occupancy Rate	88.3%	80.4%	71.0%	77.2%	72.3%	73.0%	70.0%

Kansas Department on Aging, semi-annual reports, 2001-2007



Columbus Rural Health Works

Considering available indicators of children's welfare, the small population base can lead to large percentage changes that must be interpreted cautiously. The trends for most indicators are somewhat positive, but the relative levels may be less than desirable. While available data are limited, less than one in two children is receiving necessary immunizations. About 32 percent of fetuses had not had adequate prenatal care. The rates of youth tobacco use and binge drinking are about 15 percent, but the trend line is encouraging.

Table 2. Indicators of Children's Welfare

Health Indicators		Trend Data			
		2004	2005	2006	2007
Immunizations	Cherokee	57.5%	62.2%	47.8%	-
	KS	69.3%	57.9%	51.1%	-
Prenatal Care	Cherokee	79.2%	55.0%	67.7%	-
	KS	81.4%	79.1%	78.4%	-
Low Birth Weight Babies	Cherokee	9.7%	7.4%	6.3%	-
	KS	7.3%	7.2%	7.2%	-
Teen Violent Deaths (per 100,000 15-19 year-olds)	Cherokee	64.7	0.0	64.2	-
	KS	40.8	46.0	40.5	-
Youth Tobacco Use	Cherokee	22.9%	19.7%	19.6%	17.0%
	KS	15.8%	15.6%	14.9%	13.5%
Youth Binge Drinking	Cherokee	17.8%	15.9%	17.4%	13.2%
	KS	17.2%	16.5%	16.7%	15.6%
Asthma (per 1,000)	Cherokee	1.9	1.5	0.8	-
	KS	1.7	1.6	1.7	-
Mental Health (per 1,000)	Cherokee	3.0	2.5	1.7	-
	KS	3.0	3.0	2.9	-

Kansas KIDSCOUNT, 2009

Columbus Rural Health Works

Table 3 contains information about persons served by state/Medicaid funded services. Across the service categories reported, the trends are mixed. Still, when taken together, the numbers suggest a fairly high proportion of the local population experiencing economic and/or emotional distress.

Table 3. Persons Served by Selected Public Assistance Programs in Cherokee County

		Persons Served		
		FY 2006	FY 2007	FY 2008
Major Services				
Temporary Assistance for Families	Avg. monthly persons	573	516	462
TANF Employment Services	Avg. monthly adults	245	191	149
Child Care Assistance	Avg. monthly children	142	135	1,138
Food Assistance	Avg. monthly persons	2,746	2,648	2,686
Energy Assistance	Annual persons	1,975	2,059	2,122
General Assistance	Avg. monthly persons	88	84	79
Vocational Rehabilitation Services	Avg. monthly persons	48	29	33
Family Preservation	Annual persons	14	14	12
Reintegration/Foster Care	Avg. monthly children	50	64	48
Adoption Support	Avg. monthly children	31	34	38
Home and Community Based Services				
Physical Disability	Annual consumers	365	379	381
Traumatic Brain Injury	Annual consumers	2	1	1
Developmental Disability	Annual consumers	59	59	63
Autism	Annual consumers	n/a	n/a	0
Institutional Services				
Intermediate Care Facility (ICF-MR)	Average daily census	0	0	0
State Hospital - Developmental Disability	Average daily census	0	0	0
State Hospital - Mental Health	Average daily census	0	0	0
Nursing Facility - Mental Health	Average daily census	0	0	0

Kansas Department of Social and Rehabilitation Services, 2009

In considering the selected vital statistics in Table 4, among those that stand out are that about 40 percent of newborns received less than adequate prenatal care. Thirty-nine women less than 20 years old became pregnant in 2007 and 29 were out-of-wedlock. This sets these youthful parents on difficult life paths. And, about one-half of all marriages end in dissolution.

Over time, usage of St. John's Maude Norton Memorial Hospital appears to have increased (Table 5). This is evident in both the number of inpatient and outpatient visits and procedures. Both Medicare and Medicaid recipients appear to be an important component of the patient base.

Columbus Rural Health Works

Table 4. Selected Vital Statistics for Cherokee County, 2007

	<u>Total</u>	<u>10-14</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>45 & Over</u>	
Live Births by Age-Group of Mother	257	0	39	96	71	33	16	2	0	
	<u>Adequate Plus</u>		<u>Adequate</u>		<u>Intermediate</u>		<u>Inadequate</u>			
Adequacy of Prenatal Care	16	32.7%	13	26.5%	5	10.2%	15	30.6%		
	<u>Total</u>	<u>10-14</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>45 & Over</u>	
Out-of-Wedlock Births by Age	97	0	29	36	20	8	3	1	0	
	<u>Live Births</u>		<u>Stillbirths</u>		<u>Abortions</u>		<u>Total Pregnancies</u>			
	<u>10-14 yrs.</u>	<u>15-19 yrs.</u>	<u>10-14 yrs.</u>	<u>15-19 yrs.</u>	<u>10-14 yrs.</u>	<u>15-19 yrs.</u>	<u>10-14 yrs.</u>	<u>15-19 yrs.</u>		
Teenage Pregnancies	0	39	0	0	0	0	0	39		
	<u>0-4</u>	<u>5-14</u>	<u>15-24</u>	<u>25-34</u>	<u>35-44</u>	<u>45-54</u>	<u>55-64</u>	<u>65-84</u>	<u>85 & Over</u>	
Deaths by Age Group	3	0	4	5	8	27	32	112	96	
Marriages		<u>2002</u>		<u>2003</u>		<u>2004</u>		<u>2005</u>	<u>2006</u>	
by Number and Rate per 1,000 Population	138	6.3	135	6.2	109	5.0	114	5.3	120	5.6
Marriages Dissolutions		<u>2002</u>		<u>2003</u>		<u>2004</u>		<u>2005</u>	<u>2006</u>	
by Number and Rate per 1,000 Population	69	3.1	68	3.1	72	3.3	50	2.3	74	3.4

Kansas Department of Health and Environment, 2009

Columbus Rural Health Works

Table 5. Hospital Data for Columbus and Cherokee County

	2005/2006	2006/2007
Number of Practicing Physicians (county)	18	14
Persons per Physician (county)	1,187	1,522
St. John's Maude Norton Memorial Hospital		
Licensed Acute Beds	25	25
Staffed Beds-Hospital	18	18
Staffed Beds-Nursing Home Unit	-	-
Admissions-Hospital	128	147
Admissions-Nursing Home Unit	-	-
Admissions-Swing Beds	-	-
Inpatient Days - Hospital	653	753
Inpatient Days - Nursing Home Unit	-	-
Inpatient Days - Swing-beds	426	-
Emergency Room Visits	1,790	1,932
Outpatient Visits	9,747	9,958
Inpatient Surgical Operations	2	-
Outpatient Surgical Operations	50	85
Medicare Inpatient Discharges	113	122
Medicare Inpatient Days	556	653
Medicaid Inpatient Discharges	-	3
Medicaid Inpatient Days	-	20

Kansas Hospital Association STAT Report, 2007, 2008

This information was prepared by the Office of Local Government, K-State Research and Extension. For questions or other information, call 785-532-2643.