

Sheridan County Rural Health Works



Communities Building Affordable & Sustainable Healthcare Systems

Health and Behavioral Data

Introduction

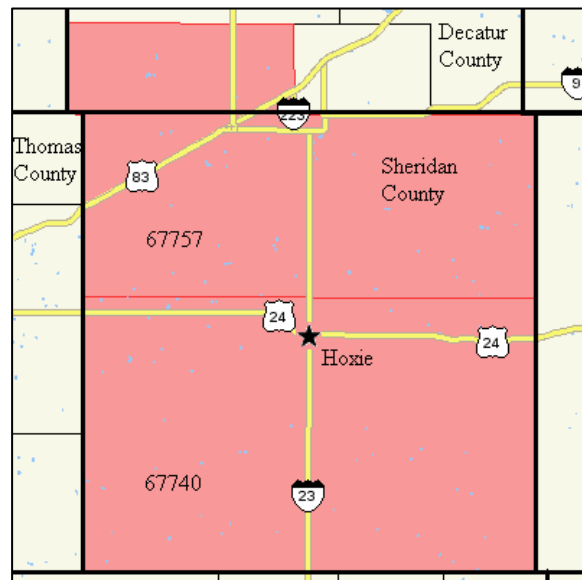
Kansas Rural Health Works (KRHW) is dedicated to helping rural communities build affordable and sustainable local health care systems. Health care is important to seniors, young families and companies. But rural health care systems are facing many challenges: hospitals are closing; services have been 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 Sheridan County that may have implications for local health care needs. The data is reported by county.

- Approximately 10 to 15 percent of Sheridan County residents are considered vulnerable and may require special health-related assistance.
- Among the health factors that might be improved in Sheridan County are the rates of adult obesity, uninsured adults, preventable hospital stays, diabetic screening, and children in poverty. The rates of youth tobacco use and binge drinking are fairly steady at about 15 to 20 percent.
- Data related to persons served by selected publicly-funded services suggest a number of individuals and families in the county are in need of economic assistance.
- In 2007, there were 5 teenage pregnancies, 4 of which were out-of-wedlock.
- Recent trends in hospital usage suggest an increasing level of demand at Sheridan County Health Complex.

Sheridan County Primary Health Market Area



ZIP codes within the Sheridan County Health Market Area.

Source: Claritas, Inc. 2010.

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Table 1. Measures of Health, 2008 Estimates

<u>Average Life Expectancy</u>	<u>Years</u>
Sheridan County	78.3
Median for all U.S. Counties	76.5
Range Among Peer Counties	75.4 - 78.3
<u>All Causes of Death</u>	<u>Deaths/100,000 People</u>
Sheridan County	1,313.6
Median for all U.S. Counties	1,136.9
Range Among Peer Counties	1,120.4 - 1,479.9
	% of Adults Who Report
<u>Self-Rated Health Status</u>	<u>Fair or Poor Health</u>
Sheridan County	3.0%
Median for all U.S. Counties	17.1%
Range Among Peer Counties	7.4 - 22.8%
*Peer Counties are based on the following factors: <u>frontier status, population size, poverty, and age.</u>	
Community Health Status Indicators, 2010	
U.S. Department of Health & Human Services	

While indicators of the overall health of Sheridan County residents are generally favorable, 10-15% of the population is considered vulnerable and may require special health-related assistance.

Table 2. Vulnerable* Populations, 2008 Estimates

	Count
No High School Diploma (adults age 25+)	216
Unemployed	40
Severely Work Disabled	40
Major Depression	152
Recent Drug users (within past month)	155
*Vulnerable populations may face unique health risks and barriers to care, requiring enhanced services and targeted strategies for outreach and case management.	
Community Health Status Indicators, 2010	
U.S. Department of Health & Human Services	

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Table 3. Measures of Birth and Death, 2008 Estimates

<u>Birth Measures</u>	<u>Sheridan County %</u>	<u>Peer County Range</u>	<u>U.S. % 2005</u>
Low Birth Weight (< 2,500 g)	7.3	3.3 - 8.9	8.2
Very Low Birth Weight (<1,500 g)	-	0.0 - 1.8	1.5
Premature Births (< 37 weeks)	10.3	7.9 - 13.3	12.7
Births to Women under 18	-	1.1 - 5.0	3.4
Births to Women age 40-54	3.4	1.2 - 3.9	2.7
Births to Unmarried Women	14.9	12.1 - 26.9	36.9

<u>Death Measures</u>	<u>Sheridan County Rate</u>	<u>Peer County Range</u>	<u>U.S. Rate 2005</u>
Breast Cancer (Female)	-	15.6 - 72.6	24.1
Colon Cancer	47.6	16.6 - 47.4	17.5
Coronary Heart Disease	269.8	183.3 - 320.9	154
Homicide	-	0.0 - 18.3	6.1
Lung Cancer	53.6	42.9 - 96.4	52.6
Motor Vehicle Injuries	-	35.3 - 85.9	14.6
Stroke	87.3	42.2 - 106.1	47
Suicide	-	6.1 - 41.2	10.9
Unintentional Injury	-	18.4 - 58.8	39.1

Community Health Status Indicators, 2010
 U.S. Department of Health & Human Services

Sheridan County compares favorably to peer counties on several counts, particularly with regard to premature births, births to unmarried women, and incidence of lung cancer. Other areas may require a closer look and perhaps a reduction in the percent or rate. These areas include low birth weight babies, births to women age 40-54, and rates of colon cancer, coronary heart disease, and stroke.

Table 4. Sheridan County Health Status Compared to Peers and U.S. Rates

	<u>Compared to Peers</u>	<u>Compared to U.S. Rates</u>
Births to Women Age 40-54	Unfavorable	Unfavorable
Colon Cancer	Unfavorable	Unfavorable
Coronary Heart Disease	Unfavorable	Unfavorable
Stroke	Unfavorable	Unfavorable
Lung Cancer	Favorable	Unfavorable
Low Birth Weight (<2500 g)	Unfavorable	Favorable
Premature Births (<37 weeks)	Favorable	Favorable
Births to Unmarried Women	Favorable	Favorable

Community Health Status Indicators, 2010
 U.S. Department of Health & Human Services

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Table 5. Health Outcomes and Factors for Sheridan County and Kansas

	<u>Sheridan County</u>	<u>Kansas</u>
<u>Health Outcomes</u>		
Mortality		
Premature Death	-	7,142
Morbidity		
Poor or Fair Health	4%	13%
Poor Physical Health Days	0.7	2.9
Poor Mental Health Days	0.4	2.8
Low Birth Weight	-	7.1%
<u>Health Factors</u>		
Health Behaviors		
Adult Smoking	7%	19%
Adult Obesity	28%	28%
Binge Drinking	-	14%
Motor Vehicle Crash Death Rate	-	19
Chlamydia Rate	-	296
Teen Birth Rate	39	43
Clinical Care		
Uninsured Adults	26%	12%
Primary Care Provider Rate	154	115
Preventable Hospital Stays	125	79
Diabetic Screening	70%	83%
Hospice Use	-	33%
Social & Economic Factors		
High School Graduation	95%	78%
College Degrees	16%	26%
Unemployment	3%	4%
Children in Poverty	20%	15%
Income Inequality	41	43
Inadequate Social Support	-	16%
Single-Parent Households	4%	8%
Homicide Rate	-	5
Physical Environment		
Air Pollution-Particulate Matter Days	0	1
Air Pollution-Ozone Days	0	0
Access to Healthy Foods	50%	35%
Liquor Store Density	4	2.2

County Health Rankings, 2010

Robert Wood Johnson Foundation and the University of Wisconsin

Among the health factors that might be improved in Sheridan County are the rates of adult obesity, uninsured adults, preventable hospital stays, diabetic screening, and children in poverty.

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Considering available indicators of children's welfare, a relatively small population base can lead to large percentage changes that must be interpreted cautiously. While available data are limited, the trends related to children receiving necessary immunizations appear negative. About 20 percent of fetuses had not had adequate prenatal care. The rates of youth tobacco use and binge drinking are fairly steady at about 20 percent.

Table 6. Indicators of Children's Welfare

Health Indicators		Trend Data				
		2004	2005	2006	2007	2008
Immunizations	Sheridan	90.5%	54.5%	42.9%	50.0%	-
	KS	69.3%	57.9%	51.1%	-	-
Prenatal Care	Sheridan	84.8%	84.0%	72.7%	81.8%	-
	KS	81.4%	79.1%	78.4%	-	-
Low Birth Weight Babies	Sheridan	9.1%	0.0%	5.7%	9.1%	-
	KS	7.3%	7.2%	7.2%	-	-
Teen Violent Deaths (per 100,000 15-19 year-olds)	Sheridan	0.0	0.0	0.0	0.0	-
	KS	40.8	46.0	40.5	-	-
Youth Tobacco Use	Sheridan	20.0%	16.2%	19.6%	18.3%	17.5%
	KS	15.8%	15.6%	14.9%	13.5%	-
Youth Binge Drinking	Sheridan	16.7%	20.5%	23.9%	20.4%	21.0%
	KS	17.2%	16.5%	16.7%	15.6%	-
Asthma (per 1,000)	Sheridan	0.0	0.0	0.0	0.0	-
	KS	1.7	1.6	1.7	-	-
Mental Health (per 1,000)	Sheridan	0.0	0.0	1.7	0.0	-
	KS	3.0	3.0	2.9	-	-

Kansas KIDSCOUNT, 2010

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Table 7 contains information about persons served by state and federally-funded services. Across the service categories reported, most appear to have held steady. While the number of persons requiring food assistance has declined, the number requiring energy assistance increased. Still, when taken together, the numbers suggest a fairly high proportion of the local population experiencing economic distress.

Table 7. Persons Served by Selected Public Assistance Programs in Sheridan County

		Persons Served		
		FY2007	FY2008	FY2009
Major Services				
Temporary Assistance for Families	Avg. monthly persons	5	4	5
TANF Employment Services	Avg. monthly adults	2	2	2
Child Care Assistance	Avg. monthly children	6	5	5
Food Assistance	Avg. monthly persons	73	65	46
Energy Assistance	Annual persons	33	47	52
General Assistance	Avg. monthly persons	1	1	2
Vocational Rehabilitation Services	Avg. monthly persons	4	8	13
Family Preservation	Annual persons	3	2	5
Reintegration/Foster Care	Avg. monthly children	0	0	3
Adoption Support	Avg. monthly children	2	5	6
Home and Community Based Services				
Physical Disability	Annual consumers	5	5	4
Traumatic Brain Injury	Annual consumers	1	0	0
Developmental Disability	Annual consumers	5	5	5
Autism	Annual consumers	n/a	0	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, 2010

In considering the selected vital statistics in Table 8, among those that stand out include about 11 percent of newborns received less than adequate prenatal care. There were 5 teenage pregnancies, 4 of which were out-of-wedlock, in 2007. These pregnancies set these youths on difficult life paths.

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Table 8. Selected Vital Statistics for Sheridan 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	22	0	5	3	8	5	1	0	0	
	<u>Adequate Plus</u>		<u>Adequate</u>		<u>Intermediate</u>		<u>Inadequate</u>			
Adequacy of Prenatal Care	12	44.5%	12	44.4%	1	3.7%	2	7.4%		
	<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	8	0	4	1	2	0	1	0	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	5	0	0	0	0	0	5		
	<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	0	0	1	1	0	3	3	6	9	
Marriages		<u>2003</u>		<u>2004</u>		<u>2005</u>		<u>2006</u>	<u>2007</u>	
by Number and Rate per 1,000 Population	14	5.3	18	6.9	18	6.9	13	5	15	6
Marriage Dissolutions		<u>2003</u>		<u>2004</u>		<u>2005</u>		<u>2006</u>	<u>2007</u>	
by Number and Rate per 1,000 Population	7	2.6	7	2.7	5	1.9	4	1.5	4	1.6

Kansas Department of Health and Environment, 2010

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In the recent past, usage of Sheridan County Health Complex appears to have increased (Table 9). This is most evident in the number of inpatient and outpatient visits and procedures. Medicare recipients appear to be an important component of the patient base.

Table 9. Hospital Data for Sheridan County

	2006/2007	2007/2008
Licensed Acute Beds	25	18
Staffed Beds-Hospital	18	18
Admissions-Hospital	169	196
Admissions-Swing Beds	NA	72
Inpatient Days - Hospital	456	572
Inpatient Days - Swing-beds	665	523
Emergency Room Visits	629	687
Outpatient Visits	8,722	9,103
Inpatient Surgical Operations	0	0
Outpatient Surgical Operations	172	117
Medicare Inpatient Discharges	145	172
Medicare Inpatient Days	412	533
Medicaid Inpatient Discharges	4	2
Medicaid Inpatient Days	13	6

Kansas Hospital Association STAT Report, 2008, 2009

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