

# Russell 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 Russell 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 over 20% and trending upward. Binge drinking is approaching 30%.

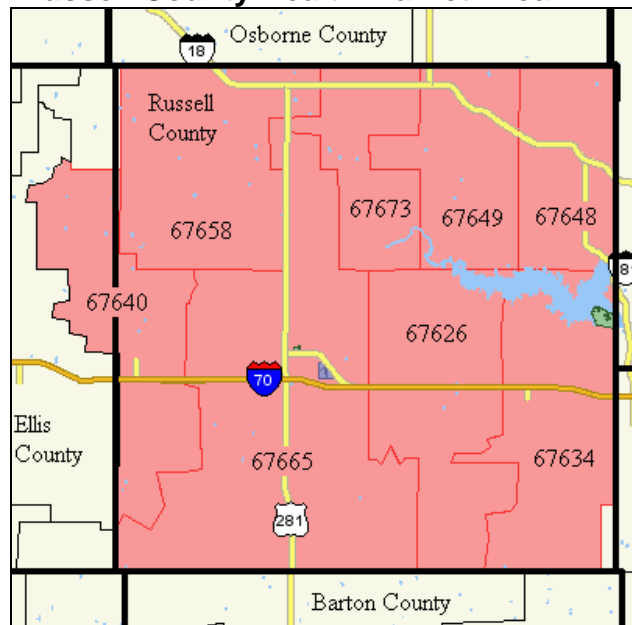
- Data related to persons served by selected publicly-funded services suggest a number of individuals and families in the county are in need of economic assistance.

- Data show that about 35% of newborns in the county received less than adequate prenatal care in 2007.

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

- Trends in recent hospital usage suggest a stable level of demand.

### Russell County Health Market Area



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

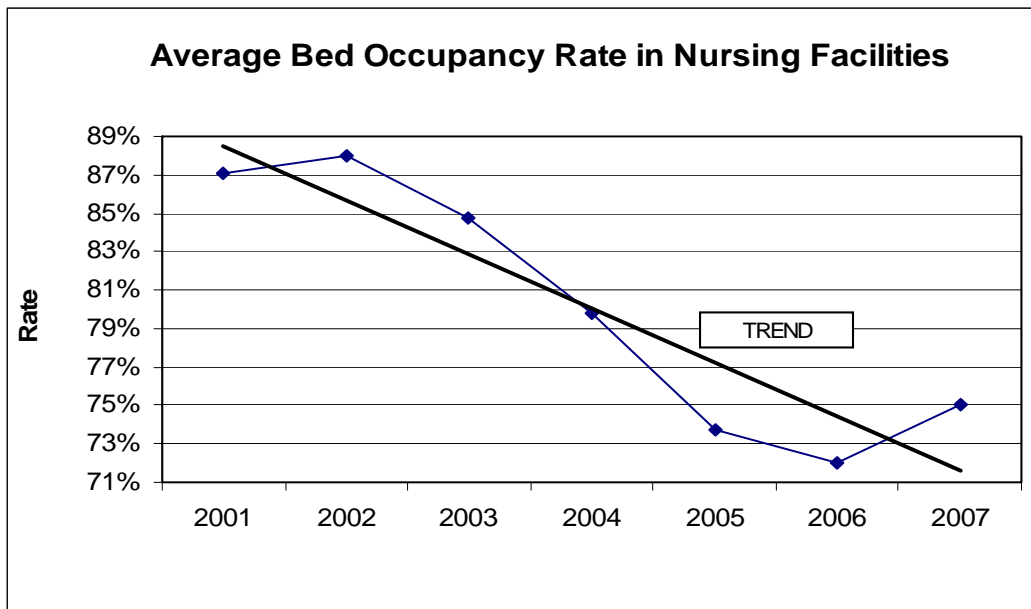
# Russell County Rural Health Works

The number of nursing home beds combines all licensed nursing home beds in Russell 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 Occupancy of Nursing Home Beds**

	2001	2002	2003	2004	2005	2006	2007
Average Number of Beds	147	143	148	148	108	108	101
Average Occupancy Rate	87.1%	87.9%	84.8%	79.8%	73.8%	72.0%	75.0%

Kansas Department on Aging, semi-annual reports, Kansas Hospital Association STAT Report, 2009



## Russell County 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 trend for the rate of adequate prenatal care has declined. While available data are limited, only one in two children is receiving necessary immunizations. About 20 percent of fetuses had not had adequate prenatal care. The rates of youth tobacco use and binge drinking are over 20 percent and increasing.

**Table 2. Indicators of Children's Welfare**

Health Indicators		Trend Data			
		2004	2005	2006	2007
Immunizations	<b>Russell</b>	81.0%	61.8%	60.3%	-
	<b>KS</b>	69.3%	57.9%	51.1%	-
Prenatal Care	<b>Russell</b>	79.2%	81.0%	76.6%	-
	<b>KS</b>	81.4%	79.1%	78.4%	-
Low Birth Weight Babies	<b>Russell</b>	6.5%	9.5%	6.1%	-
	<b>KS</b>	7.3%	7.2%	7.2%	-
Teen Violent Deaths (per 100,000 15-19 year-olds)	<b>Russell</b>	0.0	0.0	0.0	-
	<b>KS</b>	40.8	46.0	40.5	-
Youth Tobacco Use	<b>Russell</b>	21.9%	22.7%	17.9%	22.4%
	<b>KS</b>	15.8%	15.6%	14.9%	13.5%
Youth Binge Drinking	<b>Russell</b>	22.5%	28.1%	23.9%	27.7%
	<b>KS</b>	17.2%	16.5%	16.7%	15.6%
Asthma (per 1,000)	<b>Russell</b>	2.8	0.7	6.6	-
	<b>KS</b>	1.7	1.6	1.7	-
Mental Health (per 1,000)	<b>Russell</b>	0.7	0.0	2.2	-
	<b>KS</b>	3.0	3.0	2.9	-

Kansas KIDSCOUNT, 2009

# Russell County Rural Health Works

Table 3 contains information about persons served by state/Medicaid funded services. Across the service categories reported, most appear to have improved slightly. Still, when taken together, the numbers suggest a fairly high proportion of the local population experiencing economic distress.

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

		Persons Served		
		FY 2006	FY 2007	FY 2008
<b>Major Services</b>				
Temporary Assistance for Families	Avg. monthly persons	74	85	51
TANF Employment Services	Avg. monthly adults	40	50	39
Child Care Assistance	Avg. monthly children	32	26	29
Food Assistance	Avg. monthly persons	464	472	423
Energy Assistance	Annual persons	357	356	377
General Assistance	Avg. monthly persons	14	9	9
Vocational Rehabilitation Services	Avg. monthly persons	19	18	12
Family Preservation	Annual persons	6	12	10
Reintegration/Foster Care	Avg. monthly children	9	15	13
Adoption Support	Avg. monthly children	13	11	17
<b>Home and Community Based Services</b>				
Physical Disability	Annual consumers	25	26	24
Traumatic Brain Injury	Annual consumers	3	4	3
Developmental Disability	Annual consumers	14	16	18
Autism	Annual consumers	n/a	n/a	0
<b>Institutional Services</b>				
Intermediate Care Facility (ICF-MR)	Average daily census	12	12	12
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 35 percent of newborns received less than adequate prenatal care. Five out-of-wedlock teenage pregnancies in 2007 set these youths on difficult life paths. And, about one-half of all marriages end in dissolution.

Over time, usage of Russell Regional Hospital appears to have increased (Table 5). This is most evident in the number of outpatient visits and procedures. Both Medicare and Medicaid recipients appear to be an important component of the patient base.

# Russell County Rural Health Works

**Table 4. Selected Vital Statistics for Russell 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 &amp; Over</u>			
Live Births by Age-Group of Mother	92	0	5	29	42	11	5	0	0			
Adequacy of Prenatal Care	<u>Adequate Plus</u>	18	20.9%	<u>Adequate</u>	40	46.5%	<u>Intermediate</u>	14	16.3%	<u>Inadequate</u>	14	16.3%
Out-of-Wedlock Births by Age	<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 &amp; Over</u>			
	40	0	5	18	15	1	1	0	0			
Teenage Pregnancies	<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>				
	0	5	0	0	0	1	0	6				
Deaths by Age Group	<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 &amp; Over</u>			
	2	0	1	2	1	5	6	49	44			
Marriages	<u>2002</u>		<u>2003</u>		<u>2004</u>		<u>2005</u>		<u>2006</u>			
by Number and Rate per 1,000 Population	56	7.9	38	5.5	63	9.0	50	7.3	38	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	24	3.4	22	3.2	28	4.0	18	2.6	20	3.0		

Kansas Department of Health and Environment, 2009

# Russell County Rural Health Works

**Table 5. Hospital Data for Russell County**

	2005/2006	2006/2007
Number of Practicing Physicians	10	9
Persons per Physician	680	740
Licensed Acute Beds	25	25
Staffed Beds-Hospital	25	25
Staffed Beds-Nursing Home Unit	25	27
Admissions-Hospital	630	532
Admissions-Nursing Home Unit	25	11
Admissions-Swing Beds	-	-
Inpatient Days - Hospital	2,766	2,709
Inpatient Days - Nursing Home Unit	6,604	8,761
Inpatient Days - Swing-beds	1,195	-
Emergency Room Visits	2,058	2,143
Outpatient Visits	19,413	20,474
Inpatient Surgical Operations	39	13
Outpatient Surgical Operations	261	295
Medicare Inpatient Discharges	438	412
Medicare Inpatient Days	2,257	2,441
Medicaid Inpatient Discharges	64	22
Medicaid Inpatient Days	15	81

Kansas Hospital Association STAT Report, 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.