

Hoisington Rural Health Works



Communities Building Affordable & Sustainable Healthcare Systems

Health and Behavioral Data

Introduction

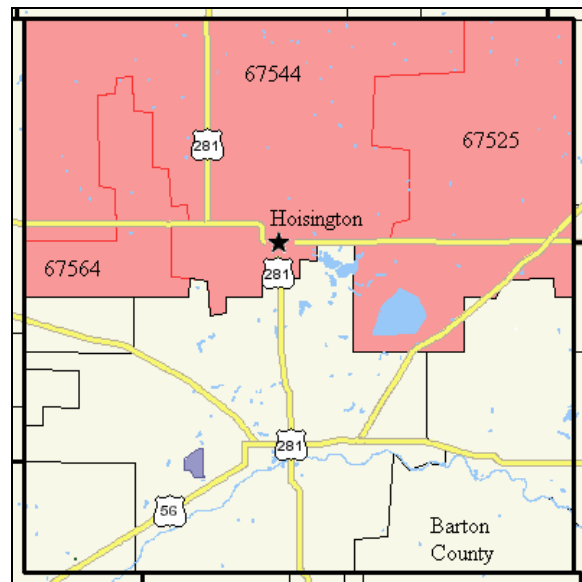
Kansas Rural Health Works (KRHW) is dedicated to helping rural communities build affordable and sustainable local health care systems. Health care is important to seniors, young families and companies. But rural health care systems are facing many challenges: hospitals are closing; services have been 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 Barton 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.
- The trend in childhood immunization rates are declining. About 28 percent of fetuses had not had adequate prenatal care. The rates of youth tobacco use and binge drinking are fairly steady at about 15 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.
- Across the county, there were 65 teenage pregnancies in 2007, 47 of which were out-of-wedlock.
- Recent trends in hospital usage suggest an increasing level of demand at Clara Barton Hospital while overall hospital usage in the county was down.

Hoisington Primary Health Market Area



ZIP codes within the Hoisington Health Market Area.

Source: Claritas, Inc. 2009

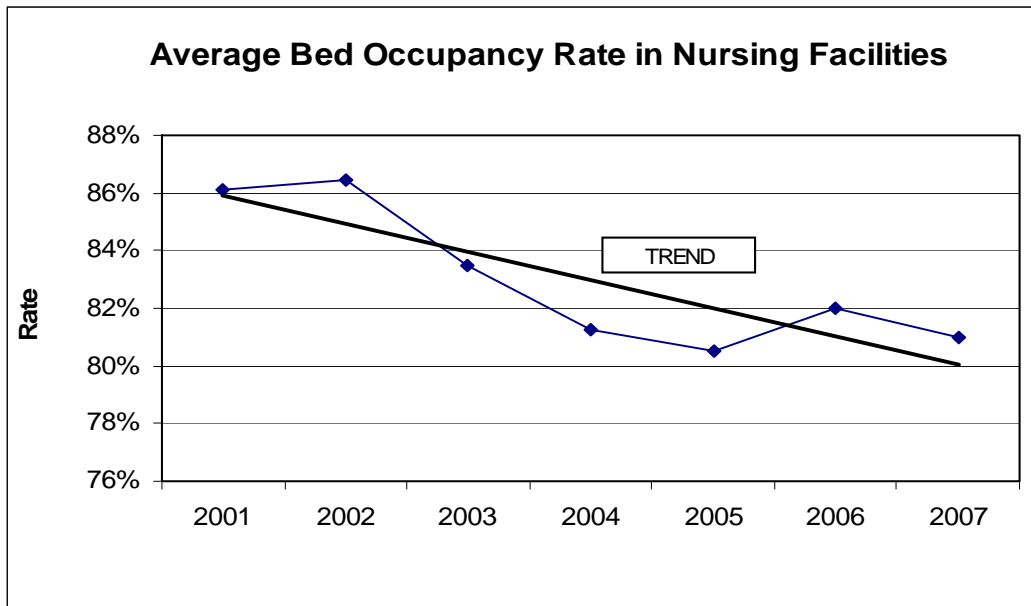
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The number of nursing home beds combines all licensed nursing home beds in Barton County. Over time, occupancy has generally declined even as the total number of beds decreased. This may reflect the broader trend of persons' preference for community-based 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 | 302 | 302 | 302 | 302 | 293 | 293 | 293 |
| Average Occupancy Rate | 86.1% | 86.5% | 83.5% | 81.3% | 80.5% | 82.0% | 81.0% |

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



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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 25 percent of fetuses had not had adequate prenatal care. The rates of youth tobacco use and binge drinking are fairly steady at about 15 percent.

Table 2. Indicators of Children's Welfare

| Health Indicators | | Trend Data | | | |
|---|---------------|------------|-------|-------|-------|
| | | 2004 | 2005 | 2006 | 2007 |
| Immunizations | Barton | 86.4% | 65.9% | 58.6% | - |
| | KS | 69.3% | 57.9% | 51.1% | - |
| Prenatal Care | Barton | 76.3% | 74.6% | 76.3% | - |
| | KS | 81.4% | 79.1% | 78.4% | - |
| Low Birth Weight Babies | Barton | 7.5% | 9.2% | 9.4% | - |
| | KS | 7.3% | 7.2% | 7.2% | - |
| Teen Violent Deaths (per 100,000 15-19 year-olds) | Barton | 45.1 | 0.0 | 0.0 | - |
| | KS | 40.8 | 46.0 | 40.5 | - |
| Youth Tobacco Use | Barton | 13.2% | 14.9% | 11.8% | 11.2% |
| | KS | 15.8% | 15.6% | 14.9% | 13.5% |
| Youth Binge Drinking | Barton | 18.2% | 20.2% | 17.0% | 16.1% |
| | KS | 17.2% | 16.5% | 16.7% | 15.6% |
| Asthma (per 1,000) | Barton | 1.2 | 1.7 | 1.7 | - |
| | KS | 1.7 | 1.6 | 1.7 | - |
| Mental Health (per 1,000) | Barton | 0.3 | 0.3 | 0.6 | - |
| | KS | 3.0 | 3.0 | 2.9 | - |

Kansas KIDSCOUNT, 2009

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Table 3 contains information about persons served by state and federally-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 Barton County

| | | Persons Served | | |
|---|-----------------------|----------------|---------|---------|
| | | FY 2006 | FY 2007 | FY 2008 |
| Major Services | | | | |
| Temporary Assistance for Families | Avg. monthly persons | 302 | 285 | 238 |
| TANF Employment Services | Avg. monthly adults | 158 | 115 | 103 |
| Child Care Assistance | Avg. monthly children | 237 | 226 | 211 |
| Food Assistance | Avg. monthly persons | 1,977 | 1,962 | 1,986 |
| Energy Assistance | Annual persons | 1,088 | 1,079 | 1,093 |
| General Assistance | Avg. monthly persons | 35 | 29 | 32 |
| Vocational Rehabilitation Services | Avg. monthly persons | 74 | 100 | 117 |
| Family Preservation | Annual persons | 53 | 38 | 18 |
| Reintegration/Foster Care | Avg. monthly children | 138 | 136 | 122 |
| Adoption Support | Avg. monthly children | 50 | 53 | 55 |
| Home and Community Based Services | | | | |
| Physical Disability | Annual consumers | 66 | 75 | 68 |
| Traumatic Brain Injury | Annual consumers | 5 | 7 | 9 |
| Developmental Disability | Annual consumers | 173 | 173 | 188 |
| Autism | Annual consumers | n/a | n/a | 0 |
| Institutional Services | | | | |
| Intermediate Care Facility (ICF-MR) | Average daily census | 1 | 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 28 percent of newborns received less than adequate prenatal care. There were 65 teenage pregnancies, 47 of which were out-of-wedlock, in 2007. These pregnancies set these youths on difficult life paths. And, about one-half of all marriages end in dissolution.

In the recent past, usage of Clara Barton Hospital appears to have increased (Table 6). This is most evident in the number of inpatient and outpatient visits and procedures. Both Medicare and Medicaid recipients appear to be an important component of the patient base.

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Table 4. Selected Vital Statistics for Barton 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 | 408 | 1 | 59 | 132 | 122 | 68 | 25 | 1 | 0 |
| | <u>Adequate Plus</u> | | <u>Adequate</u> | | <u>Intermediate</u> | | <u>Inadequate</u> | | |
| Adequacy of Prenatal Care | 117 | 29.3% | 172 | 43.0% | 19 | 4.7% | 92 | 23.0% | |
| | <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 | 174 | 1 | 46 | 73 | 29 | 19 | 5 | 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 | 1 | 59 | 0 | 0 | 1 | 6 | 2 | 65 | |
| | <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 | 3 | 5 | 2 | 18 | 23 | 134 | 97 |
| Marriages | | <u>2002</u> | | <u>2003</u> | | <u>2004</u> | | <u>2005</u> | <u>2006</u> |
| by Number and Rate per 1,000 Population | 220 | 7.9 | 212 | 7.7 | 213 | 7.8 | 194 | 6.9 | 2216 7.9 |
| 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 | 83 | 3.0 | 44 | 1.6 | 72 | 2.6 | 64 | 2.3 | 54 2.0 |

Kansas Department of Health and Environment, 2009

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Table 5. Hospital Data for Barton County

| | 2006/2007 | 2007/2008 |
|---------------------------------|-----------|-----------|
| Number of Practicing Physicians | 43 | 38 |
| Persons per Physician | 646 | 729 |
| Licensed Acute Beds | 170 | 101 |
| Staffed Beds-Hospital | 120 | 105 |
| Admissions-Hospital | 3,396 | 2,560 |
| Admissions-Swing Beds | 42 | 283 |
| Inpatient Days - Hospital | 14,368 | 13,051 |
| Inpatient Days - Swing-beds | 3,102 | 5,498 |
| Emergency Room Visits | 12,403 | 13,798 |
| Outpatient Visits | 149,279 | 163,192 |
| Inpatient Surgical Operations | 1,236 | 1,142 |
| Outpatient Surgical Operations | 7,374 | 7,087 |
| Medicare Inpatient Discharges | 1,796 | 1,568 |
| Medicare Inpatient Days | 9,341 | 7,283 |
| Medicaid Inpatient Discharges | 400 | 528 |
| Medicaid Inpatient Days | 2,059 | 2,315 |

Kansas Hospital Association STAT Report, 2009

Table 6. Hospital Data for Clara Barton Hospital

| | 2006/2007 | 2007/2008 |
|--------------------------------|-----------|-----------|
| Licensed Acute Beds | 25 | 25 |
| Staffed Beds-Hospital | 25 | 25 |
| Admissions-Hospital | 559 | 644 |
| Admissions-Swing Beds | - | 122 |
| Inpatient Days - Hospital | 2,270 | 2,864 |
| Inpatient Days - Swing-beds | - | 1,170 |
| Emergency Room Visits | 2,813 | 3,410 |
| Outpatient Visits | 49,931 | 51,478 |
| Inpatient Surgical Operations | 125 | 214 |
| Outpatient Surgical Operations | 1,133 | 1,548 |
| Medicare Inpatient Discharges | 368 | 415 |
| Medicare Inpatient Days | 1,655 | 1,735 |
| Medicaid Inpatient Discharges | 16 | - |
| Medicaid Inpatient Days | 42 | 169 |

Kansas Hospital Association STAT Report, 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.