

# SOUTH CENTRAL KANSAS PROSPERITY PLAN

County Profile – **Sumner County**

March 2015





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# INTRODUCTION

In 2012, the U.S. Department of Housing and Urban Development (HUD) awarded the Regional Economic Area Partnership a grant of \$1.5 million to create the South Central Kansas Prosperity Plan (Prosperity Plan). The South Central Kansas study area consists of Butler, Harvey, Reno, Sedgwick, and Sumner Counties. The region is highly diverse, ranging from Kansas' largest city in Wichita, to numerous small communities such as El Dorado, Hutchinson, Newton, and Wellington. A regional consortium of government and non-profit agencies led the Prosperity Plan. Representatives of each of these organizations served on the Consortium Leadership Team (CLT), providing oversight of the planning process and giving input and direction for the final plan. Directed by the CLT, planners worked with Work Teams to develop the six elements of the plan:

- Work Force and Business Development
- Built Environment/Housing
- Transportation
- Water
- Natural Resources
- Healthy Community Design

The three-year planning effort evolved through a five-step process that began with goal setting and baseline analysis and continued through issue identification, an assessment of growth options, and the development of recommendations.

As part of the Prosperity Plan effort, the planning team collected data from across the five-county region to understand major economic, social, and physical conditions in South Central Kansas.

The purpose of the County Profile is to synthesize available county-level information specific to Sumner County. Given the diversity of communities and the breadth and complexity of issues, the report is not an exhaustive summary of all conditions in Sumner County. Instead, the data summarized form a snapshot of key issues and trends that could affect quality of life and economic competitiveness in Sumner County.

The profile organizes information into sections that correspond with the six main topics of the Prosperity Plan. Where appropriate this document also places county data into a broader context by including statistical comparisons with the other counties in South Central Kansas or the State of Kansas. Stakeholders should use the data in the County Profile to assist in identifying opportunities and challenges within their communities. Since this report also assesses how the region and individual counties are performing in core areas such as the economy, public health, the environment, education, and transportation, stakeholders, jurisdictions, and other agencies should regularly refine and update the data to support the successful implementation of action steps in the years ahead.

# WORKFORCE AND BUSINESS DEVELOPMENT

The Workforce and Business Development section of the Prosperity Plan focuses on economic competitiveness, including the ability of the economy to generate opportunities for all residents and businesses. This section of the profile includes key measures related to the health and composition of the economy in Sumner County and its population and the economic well-being of its residents.

Data include:

- County and City Population in Sumner County
- Employment Status in Sumner County
- Workforce Occupation in Sumner County
- Employment by Industry in Sumner County
- Income in Sumner County
- Percentage of Families and People below the Poverty Level in Sumner County
- Largest Employers in Sumner County
- Annual Average Unemployment Rate in South Central Kansas
- Median Income in South Central Kansas
- Individual Poverty Rate in South Central Kansas
- Percent of Population with Bachelor's Degree or Higher in South Central Kansas

## SUMNER COUNTY DATA

Sumner County had more than 23,000 residents as of 2013. The county and its county seat, Wellington, experienced a population decline between 2010 and 2013.

### County and City Population, 2013

	2013 Population	Percent change 2010 to 2013
Butler County	23,591	-2.2%
City of Mulvane	6,287	2.3%
City of Wellington	7,967	-2.5%

White residents comprise more than 95 percent of the population in Sumner County.

### Race/Ethnicity Sumner County, 2012

	Sumner
White	95.3%
Black or African-American	0.6%
American Indian	1.6%
Asian	0.1%
Native Hawaiian and Other Pacific Islander	0%
Two or More Races	2.1%
Some Other Race	0.3%

Sumner County has almost 12,000 people in its workforce and an unemployment rate of 5.5 percent as of 2013.

### Employment Status, Sumner County

	People	Percent
Population 16 years and over	18,485	
In labor force	11,904	64.4%
Civilian labor force	11,878	64.3%
Employed	10,864	58.8%
Unemployed	1,014	5.5%
Armed Forces	26	0.1%
Not in labor force	6,581	35.6%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

Almost half of the Sumner County workforce works in management, business, sales, and office occupations.

### Workforce Occupation, Sumner County

Civilian employed population 16 years and over	10,864	10,864
Management, business, science, and arts occupations	3,204	29.5%
Service occupations	2,040	18.8%
Sales and office occupations	2,112	19.4%
Natural resources, construction, and maintenance occupations	1,371	12.6%
Production, transportation, and material moving occupations	2,137	19.7%

**Source** U.S. Census Bureau, 2009-2013 5-Year American Community Survey

Educational services, health care and social assistance, along with manufacturing make up the dominant employment sectors in the county. Aerospace and the local school system are among the county's largest individual employers.

### Employment by Industry, Sumner County

	People	Percent
Civilian employed population 16 years and over	10,864	
Agriculture, forestry, fishing and hunting, and mining	550	5.1%
Construction	676	6.2%
Manufacturing	2,271	20.9%
Wholesale trade	187	1.7%
Retail trade	999	9.2%
Transportation and warehousing, and utilities	730	6.7%
Information	132	1.2%
Finance and insurance, and real estate and rental and leasing	504	4.6%
Professional, scientific, management, administrative and waste management services	501	4.6%
Educational services, and health care and social assistance	2,613	24.1%
Arts, entertainment, and recreation, and accommodation and food services	924	8.5%
Other services, except public administration	374	3.4%
Public administration	403	3.7%

**Source** U.S. Census Bureau, 2009-2013 5-Year American Community Survey

### Largest Employers, Sumner County

Company	City	Employment
Tect Aerospace Wellington Inc.	Wellington	249
Unified School District 357	Belle Plaine	245
County of Sumner	Wellington	197
Sumner Regional Medical Center	Wellington	148
Futures Unlimited Inc	Wellington	140

Source ESRI Business Analyst, Dunn & Bradstreet

The median household income in Sumner County is almost \$48,000.

### Income, Sumner County, 2013

	Households	Percent
Total households	9,110	
Less than \$10,000	593	6.5%
\$10,000 to \$14,999	500	5.5%
\$15,000 to \$24,999	1,127	12.4%
\$25,000 to \$34,999	1,126	12.4%
\$35,000 to \$49,999	1,380	15.1%
\$50,000 to \$74,999	1,925	21.1%
\$75,000 to \$99,999	1,263	13.9%
\$100,000 to \$149,000	861	9.5%
\$150,000 to \$199,999	187	2.1%
\$200,000 or more	148	1.6%
Median household income (dollars)	47,894	(X)
Mean household income (dollars)	58,342	(X)

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

The percent of people living below the poverty line in Sumner County is 13.4 percent. The poverty rate is highest for children under the age of 18.

### Percentage of Families and People below the Poverty Level, Sumner County

<b>All families</b>	9.3%
With related children under 18 years	14.2%
With related children under 5 years only	18.7%
Married couple families	5.6%
With related children under 18 years	7.0%
With related children under 5 years only	4.4%
Families with female householder, no husband present	36.4%
With related children under 18 years	46.5%
With related children under 5 years only	60.6%
<b>All people</b>	13.4%
Under 18 years	19.3%
Related children under 18 years	18.8%
Related children under 5 years	25.3%
Related children 5 to 17 years	16.5%
18 years and over	11.4%
18 to 64 years	12.3%
65 years and over	7.8%
People in families	11.1%
Unrelated individuals 15 years and over	25.0%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

Close to 18 percent of residents in Sumner County have a bachelor's degree or higher.

### Educational Attainment, Sumner County

	People	Percent
Population 25 years and over	15,917	
Less than 9th grade	481	3.0%
9th to 12th grade, no diploma	974	6.1%
High school graduate (includes equivalency)	6,002	37.7%
Some college, no degree	4,430	27.8%
Associate's degree	1,200	7.5%
Bachelor's degree	1,977	12.4%
Graduate or professional	853	5.4%
Percent high school graduate or higher	(X)	90.9%
Percent bachelor's degree or higher	(X)	17.8%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

Sumner County has one higher education and post-secondary training institution.

### Higher Education and Post-Secondary Training Institutions in Sumner County

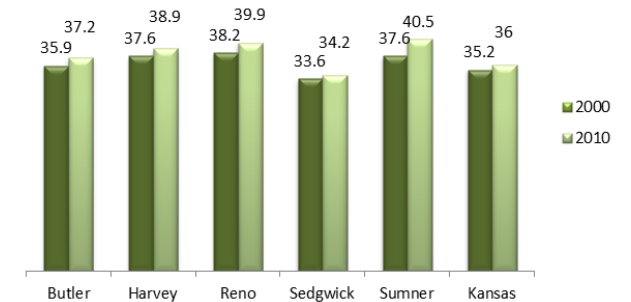
School Name	School Type	City	County
King Aviation	Flight Training	Peck	Sumner

### SUMNER COUNTY AND REGIONAL DATA

The purpose of this section is to highlight Sumner County within the broader context of the region and to compare the county's performance on key indicators to the other four counties in South Central Kansas, as well as the State of Kansas. As shown in the data, Sumner County's population is older and has lower levels of income and educational attainment than South Central Kansas overall.

Sumner County is older than South Central Kansas and the State of Kansas overall.

### Median Age by County, 2010

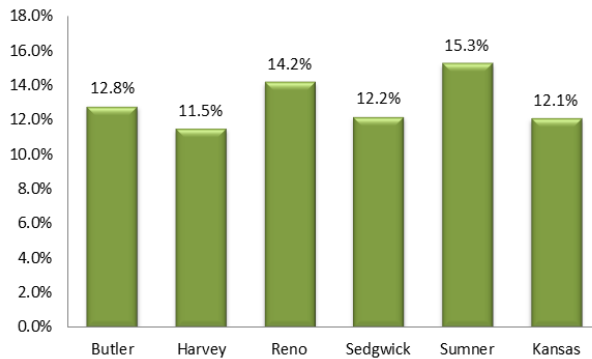


Source U.S. Census 2010 Census Summary File 1



Sumner County has the region's highest percentages of residents with disabilities.

### Percentage of Persons with Disability by County, 2012



Source U.S. Census Bureau, 2008-2012 American Community Survey

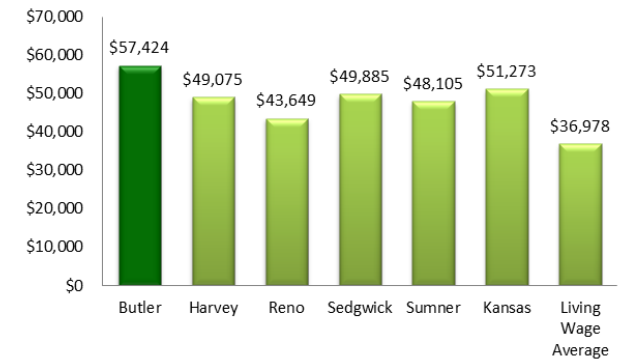
Sumner County's unemployment rate is one of the highest in the region and exceeds the low rate for the State of Kansas overall.

### Annual Average Unemployment Rate by County, 2013-2014

County	Rate
Butler County	4.8%
Harvey County	4.2%
Reno County	4.2%
Sedgwick County	5.4%
Sumner County	5.2%
Kansas	4.2%

Source Bureau of Labor Statistics, Local Area Unemployment Statistics

### Median Income in South Central Kansas, 2012

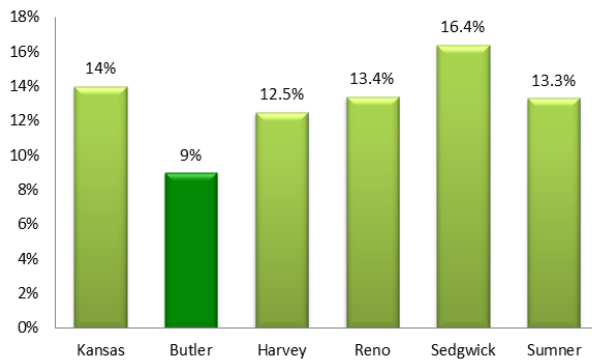


Source U.S. Census Bureau, 2008-2012 American Community Survey and Massachusetts Institute of Technology Living Wage Calculator

The average living wage for South Central Kansas is approximately \$17.78 per hour, or \$36,978 per year. The living wage shown is the hourly rate that an individual must earn to support a family, if that individual is the sole provider and is working full-time (2,080 hours per year). The \$17.78 average wage reflects an average of the five counties for a family of four (two adults, two children). Sumner County has one of the lowest median incomes in the region.

The individual poverty rate in Sumner County is the third highest in the region but remains slightly below the state rate.

### Individual Poverty Rate in South Central Kansas, 2012



Source U.S. Census Bureau Small Area Income and Poverty Estimates, 2012

Sumner County's long-term debt per capita is the lowest in the region.

### Long-Term Debt per Capita

County	Debt	Population	Debt per capita
Butler County	\$26,579,023	65,827	\$404
Harvey County	\$5,990,387	34,772	\$172
Reno County	\$43,490,252	64,521	\$674
Sedgwick County	\$162,800,000	503,889	\$323
Sumner County	\$1,992,067	23,867	\$83
Region	\$203,286,477	692,876	\$348

Source 2013 County Financial Statements and Independent Auditor Reports, ACS 2012 1-year estimates (Butler, Sedgwick County population), ACS 2010-2012 3-year estimates (Harvey, Reno, Sumner Counties)

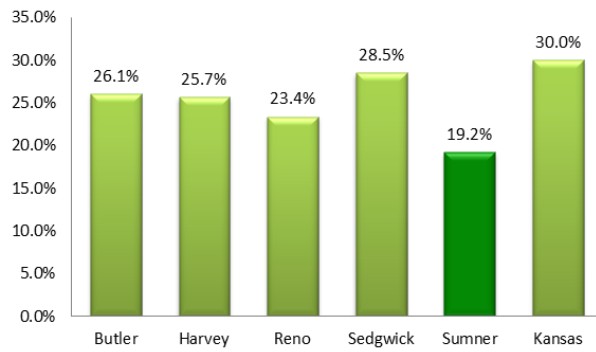
Sumner County has an A rating, signifying that municipal bonds issued by the county are subject to low or very low credit risk.

### Municipal Bond Rating South Central Kansas Major Cities and Counties

City	Credit Rating	County	Credit Rating
Wichita	Aa1	Sedgwick	Aa2
Hutchinson	Aa3	Reno	Aa3
Newton	A1	Harvey	A1
El Dorado	NA	Butler	Aa3
Wellington	NA	Sumner	A1

Sumner County's level of educational attainment is less than the region in general and the state overall.

### Percent of Population with Bachelor's Degree or Higher in South Central Kansas, 2012



Source U.S. Census Bureau, 2008-2012 American Community Survey

# BUILT ENVIRONMENT/ HOUSING

The built environment is fundamentally about the ways in which communities organize housing, open spaces, commercial and industrial uses, and public infrastructure. This section includes key measures related to Sumner County's built environment, particularly the quality, diversity, and affordability of its housing choices. Data also measure the health of the county's communities based on historic and projected population change.

Data include:

- Housing Occupancy in Sumner County
- Year Structure Built in Sumner County
- Housing Tenure in Sumner County
- Housing Value in Sumner County
- Monthly Owner Costs as a Percentage of Household Income in Sumner County
- Gross Rent as a Percentage of Household Income in Sumner County
- Residential Building Permits in Sumner County, 2013
- Total Housing Units in South Central Kansas
- Population Projected Growth
- Total Percent Population Change in South Central Kansas
- Estimated Net Migration Rate in South Central Kansas, Ages 20-29
- Total Percent Population Change by County
- Population Projected Growth in South Central Kansas
- Estimated Net Migration Rate by County, Ages 20-29
- Housing Mix in South Central Kansas
- Percentage of Housing Stock in South Central Kansas Built Prior to 1980

## SUMNER COUNTY DATA

Sumner County has almost 11,000 housing units. More than 15 percent of these units are vacant.

### Housing Occupancy, Sumner County

	Units	Percent
Total housing units	10,834	
Occupied housing units	9,100	84.1%
Vacant housing units	1,724	15.9%
Homeowner vacancy rate	2.7	(X)
Rental vacancy rate	10.0	(X)

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

One in four housing units in Sumner County has been built since 1980.

### Year Structure Built, Sumner County

	Units	Percent
Total housing units	10,834	
Built 2010 or later	31	0.3%
Built 2000 to 2009	623	5.8%
Built 1990 to 1999	815	7.5%
Built 1980 to 1989	1,237	11.4%
Built 1970 to 1979	1,658	15.3%
Built 1960 to 1969	794	7.3%
Built 1950 to 1959	1,422	13.1%
Built 1940 to 1949	816	7.5%
Built 1939 or earlier	3,438	31.7%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

Three in four housing units in Reno County are owner occupied.

### Housing Tenure, Sumner County

	Units	Percent
Occupied housing units	9,110	
Owner-occupied	7,048	77.4%
Renter-occupied	2,062	22.6%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

Just over half of owner-occupied units in Sumner County have a value between \$50,000 and \$150,000. The median housing value is \$85,500.

### Housing Value, Sumner County

	Units	Percent
Owner-occupied units	7,048	
Less than \$50,000	1,739	24.7%
\$50,000 to \$99,999	2,436	34.6%
\$100,000 to \$149,999	1,195	17.0%
\$150,000 to \$199,999	910	12.9%
\$200,000 to \$299,999	535	7.6%
\$300,000 to \$499,999	148	2.1%
\$500,000 to \$999,999	51	0.7%
\$1,000,000 or more	34	0.5%
Median (dollars)	85,500	(X)

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

According to the Department of Housing and Urban Development, households that spend more than 30 percent of their yearly income on housing face affordability challenges. Based on this definition, about 30 percent of mortgage holders and more than 40 percent of renters living in Sumner County experience housing affordability challenges.

### Monthly Owner Costs as a Percentage of Household Income, Sumner County

	Units	Percent
Housing units with a mortgage	3,967	
Less than 20.0 percent	1,756	44.3%
20.0 to 24.9 percent	583	14.7%
25.0 to 29.9 percent	433	10.9%
30.0 to 34.9 percent	292	7.4%
35.0 percent or more	903	22.8%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

### Gross Rent as a Percentage of Household Income, Sumner County

	Units	Percent
Occupied units paying rent	1,873	
Less than 15.0 percent	360	19.2%
15.0 to 19.9 percent	221	11.8%
20.0 to 24.9 percent	292	15.6%
25.0 to 29.9 percent	262	14.0%
30.0 to 34.9 percent	158	8.4%
35.0 percent or more	580	31.0%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

In 2013, Sumner County issued 25 residential building permits with very limited multi-family development.

### Residential Building Permits, Sumner County, 2013

	Buildings	Units
Single Family	23	23
Two Family	1	2
Three and Four Family	0	0
Five or More Family	0	0
Total	24	25

Source U.S. Census Bureau

Comprehensive Housing Affordability Strategy data from the Department of Housing of Urban Development indicate the percentage of residents reporting a housing problem, such as a lack of plumbing, overcrowding, or cost burdens. Less than 20 percent of homeowners in Sumner County reported a housing problem with the most common being a lack of affordability. Housing problems in the county, particularly affordability were more prevalent among renters.

### Housing Problems by Type for Owner Households, 2006-2010

	Lacking complete plumbing or kitchen facilities	> 1.5 persons per room	> 1 but < or = to 1.5 persons per room	Cost burden > 50% of AMI	Cost burden > 30% < or = 50% of AMI	Housing cost burden not computed	None of the 3 housing problems
Sumner	0.7%	0.0%	1.0%	5.8%	10.6%	0.6%	81.3%

Source Comprehensive Housing Affordability Strategy (CHAS) 2006 - 2010

Note AMI = Area Median Income

### Housing Problems by Type for Renter Households, 2006-2010

	Lacking complete plumbing or kitchen facilities	> 1.5 persons per room	> 1 but < or = to 1.5 persons per room	Cost burden > 50% of AMI	Cost burden > 30% < or = 50% of AMI	Housing cost burden not computed	None of the 3 housing problems
Sumner	3.3%	0.2%	1.4%	12.9%	18.3%	1.2%	62.9%

The Department of Housing and Urban Development received 8 complaints of housing discrimination in Sumner County between 2000 and 2014. All cases were resolved.

### Fair Housing Cases in Sumner County, 2000-2014

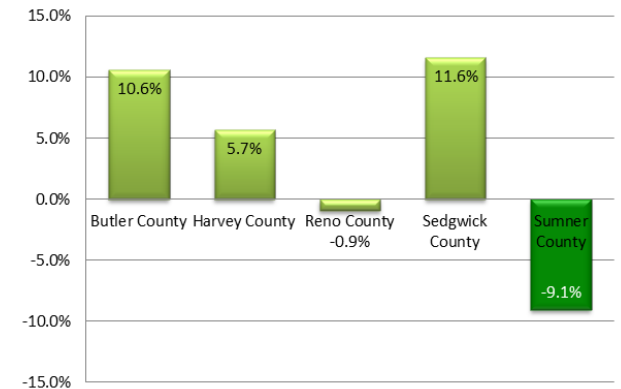
Number of Cases by Type							Status of Cases			
Race	Color	National Origin	Sex	Disability	Family Status	Retaliation	Closure	Settled	No Cause	Open
2	0	1	1	3	1	0	3	4	1	0

### SUMNER COUNTY AND REGIONAL DATA

The purpose of this section is to highlight Sumner County within the broader context of the region and to compare the county's performance on key indicators to the other four counties in South Central Kansas, as well as the State of Kansas. As shown in the data, Sumner County experienced a population decline over the previous decade and projections indicate that this loss could continue. The county's housing stock also tends to be older than the region overall.

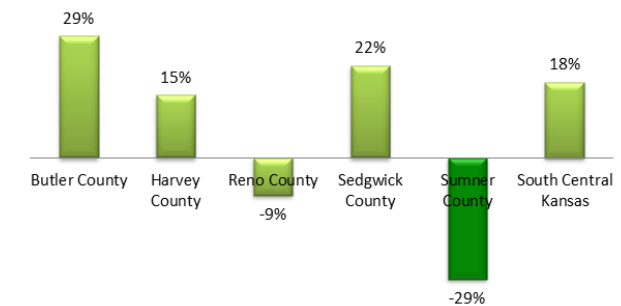
Sumner County saw a drop in population between 2000 and 2013 and projections indicate that this decline could continue.

### Total Percent Population Change by County, 2000 to 2013



Source U.S. Census American FactFinder

### Population Projected Growth in South Central Kansas, 2010 to 2040



Source Wichita State University, Center for Economic Development and Business Research

### Regional Population Projections

County	2010	2015	2020	2025	2030	2035	2040	% Growth
Butler	65,463	68,431	71,934	75,442	79,020	82,130	84,406	29%
Harvey	34,218	35,314	36,319	37,194	38,092	38,883	39,409	15%
Reno	63,799	53,523	63,010	62,067	61,034	59,775	58,057	-9%
Sedgwick	495,632	519,652	543,794	562,115	579,025	593,910	606,752	22%
<b>Sumner</b>	<b>23,878</b>	<b>22,907</b>	<b>21,788</b>	<b>20,605</b>	<b>19,485</b>	<b>18,295</b>	<b>16,997</b>	<b>-29%</b>
Total	682,990	709,826	736,843	757,423	776,657	792,993	805,622	18%

Source Wichita State University, Center for Economic Development and Business Research

Projections indicate that Sumner County could experience the sharpest population loss in the region through 2040.

### Estimated Net Migration Rate by County, 2000-2010

	Age 20-24	Age 25-29
Butler County	-23%	-24%
Harvey County	-19%	-19%
Reno County	-12%	-15%
Sedgwick County	2%	18%
<b>Sumner County</b>	<b>-47%</b>	<b>-38%</b>

Source University of Wisconsin-Madison Center for Demography and Ecology

A negative net migration rate means that more young people between the ages of 20 and 29 left the county than entered it between 2000 and 2010. Sumner County had the sharpest loss of younger residents in the region.



Sumner County has the region's smallest inventory of housing.

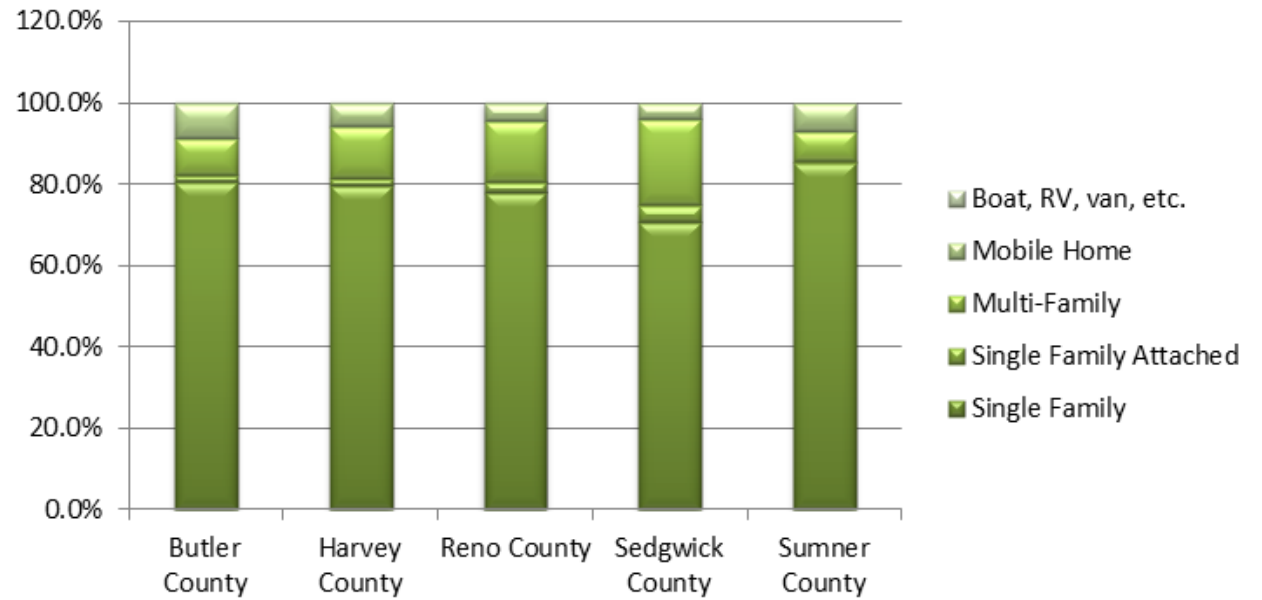
**Total Housing Units, 2012**

County	Number of Housing Units
Butler	26,060
Harvey	14,517
Reno	28,281
Sedgwick	211,361
Sumner	10,865
Total	291,084

Source University of Wisconsin-Madison Center for Demography and Ecology

Sumner County has the region's least diverse housing stock.

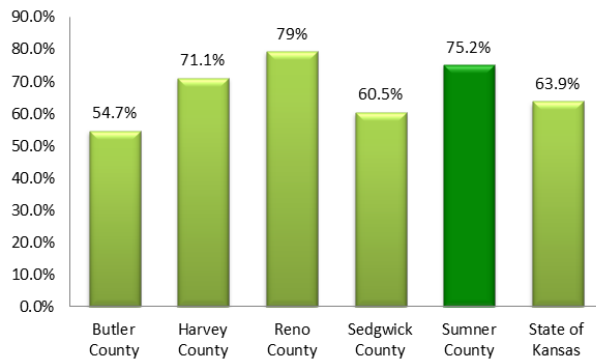
**Housing Mix in South Central Kansas, 2012**



Source U.S. Census Bureau, 2008-2012 American Community Survey

Sumner County has the second oldest housing stock in the region.

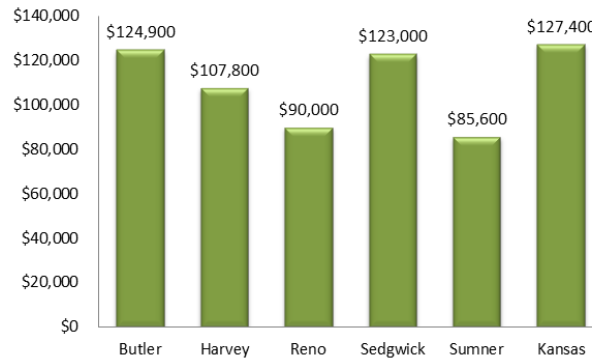
### Percentage of Housing Stock in South Central Kansas Built Prior to 1980



Source U.S. Census Bureau, 2008-2012 American Community Survey

Sumner County has the lowest median housing values in the region and is below the state median.

### Median Home Value by County, 2012



Source U.S. Census Bureau, 2008-2012 American Community Survey

### 2010 High Cost Loans

	High Cost Loans	High Cost Loan Rates
Butler	93	5.8%
Harvey	37	4.1%
Reno	44	3.5%
Sedgwick	429	3.9%
Sumner	35	8.2%

Source 2010 Home Mortgage Disclosure Act (HMDA) data

The rate of foreclosure was the highest in the region in 2008 and exceeded the state rate.

### 2008 Total Foreclosures and Average Foreclosure Rate (Average by Census Tract)

	Foreclosures	Foreclosure Rate
Butler	446	3.6%
Harvey	176	2.8%
Reno	438	5.1%
Sedgwick	3,768	4.7%
Sumner	214	5.4%
Kansas	19,669	3.5%

Source 2008 Home Mortgage Disclosure Act (HMDA) data

Sumner County had the region's highest rate of home purchase loan denials 2010.

**Denial Rate of Conventional Home Purchase Loans by Race & County, 2010**

	Total Denial Rate	White	Black	Asian	Hispanic	Mixed Rate
Butler	20.6%	20.0%	-	40.0%	20.0%	12.5%
Harvey	14.4%	14.3%	-	50.0%	23.1%	0.0%
Reno	16.3%	12.8%	75.0%	28.6%	28.6%	41.7%
Sedgwick	16.4%	14.4%	37.3%	19.5%	40.7%	20.5%
Sumner	23.3%	25.6%	-	0.0%	0.0%	0.0%

**Source** 2010 Home Mortgage Disclosure Act (HMDA) data

**Note** - = no applicants

# TRANSPORTATION

Transportation is such a critical part of our communities because it organizes social and economic activity and shapes the pattern and character of resulting development. Transportation options also strongly influence quality of life and opportunity for residents and contribute to the overall economic competitiveness and resilience of the region. This section highlights mobility options for Sumner County residents, including transit choices, commuting patterns, and housing/transportation affordability.

Data include:

- Transit Options
- Commuting to Work
- Commute Patterns by County
- Vehicles Available
- Housing-Transportation Affordability Index

## SUMNER COUNTY DATA

Sumner County has one demand-response transit providers offering services to residents.

### Demand-Response Transit Providers in Sumner County

Provider	Service Area	System Type	Total Vehicles	Service Type
Futures Unlimited, Inc.	Sumner, Cowley and Sedgwick County	Transport for medical, leisure, or business needs locally and out of county	4	Demand Response

Sumner County workers travel an average of 23 minutes to work and the single-occupancy vehicle is by far the most common choice for commutes.

### Commuting to Work, Sumner County

	Workers	Percent
Workers 16 years and over	10,645	
Car, truck, or van — drove alone	8,657	81.3%
Car, truck, or van — carpoled	1,016	9.5%
Public transportation (excluding taxicabs)	18	0.2%
Walked	357	3.4%
Other means	122	1.1%
Worked at home	475	4.5%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

More than six percent of households in Sumner County lack access to a vehicle.

### Vehicles Available, Sumner County

Occupied housing units	9,110	9,110
No vehicles available	583	6.4%
1 vehicle available	2,416	26.5%
2 vehicles available	3,171	34.8%
3 or more vehicles available	2,940	32.3%

Source U.S. Census Bureau, 2009-2013 5-Year American Community Survey

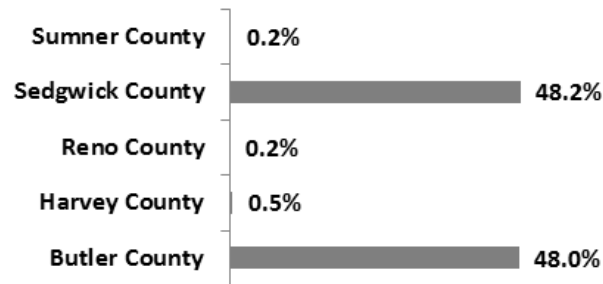
### SUMNER COUNTY AND REGIONAL DATA

The purpose of this section is to highlight Sumner County within the broader context of the region and to compare the county's performance on key indicators to the other four counties in South Central Kansas, as well as the State of Kansas. As shown in the data, Sumner County workers commute primarily within the county and to Sedgwick County.

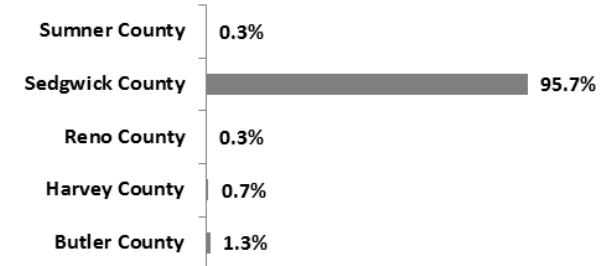
### Commute Patterns by County in South Central Kansas

Sumner County workers travel primarily within the county for work, but a high number of commutes trips also take place in Sedgwick County.

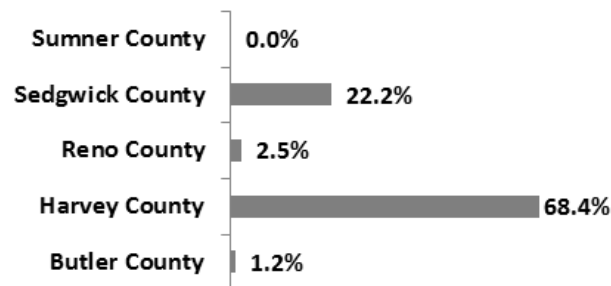
### Butler County



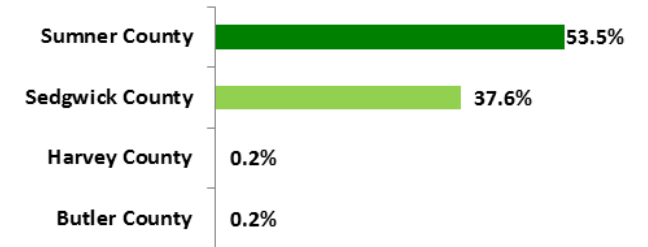
### Sedgwick County



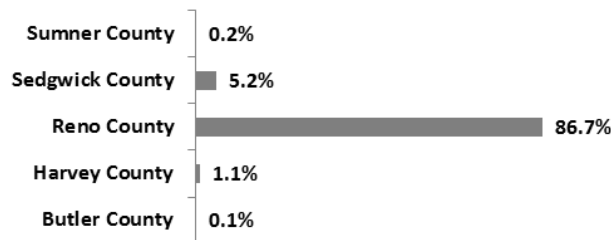
### Harvey County



### Sumner County



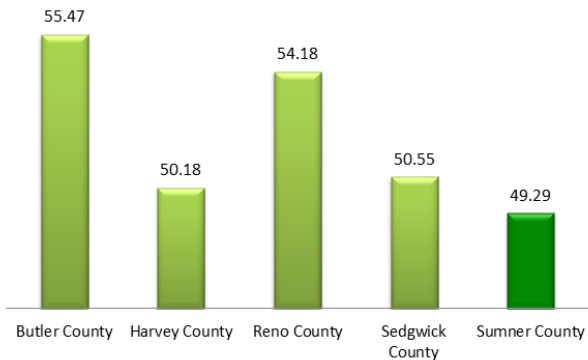
### Reno County



### Transportation Affordability

Transportation is a major component of a household's yearly budget and it affects access to educational and employment opportunities. Long daily commutes from the outer counties to centrally located employment centers and limited public transportation result in higher transportation costs in South Central Kansas. Transportation costs, combined with housing costs, are a burden on a majority of households throughout the region. The Housing-Transportation Affordability Index (H+T) is a measure of transportation and housing affordability and takes into account both the cost of housing, as well as the cost of transportation resulting from the location of the home. According to the Center for Neighborhood Technology, households that allocate more than 45 percent of their annual income to housing and transportation experience affordability challenges. In Sumner County, the median household spends just under half of its yearly budget on housing and transportation costs, the lowest combined housing and transportation cost in the region.

### Housing + Transportation Costs as Percent of Income in South Central Kansas



# WATER

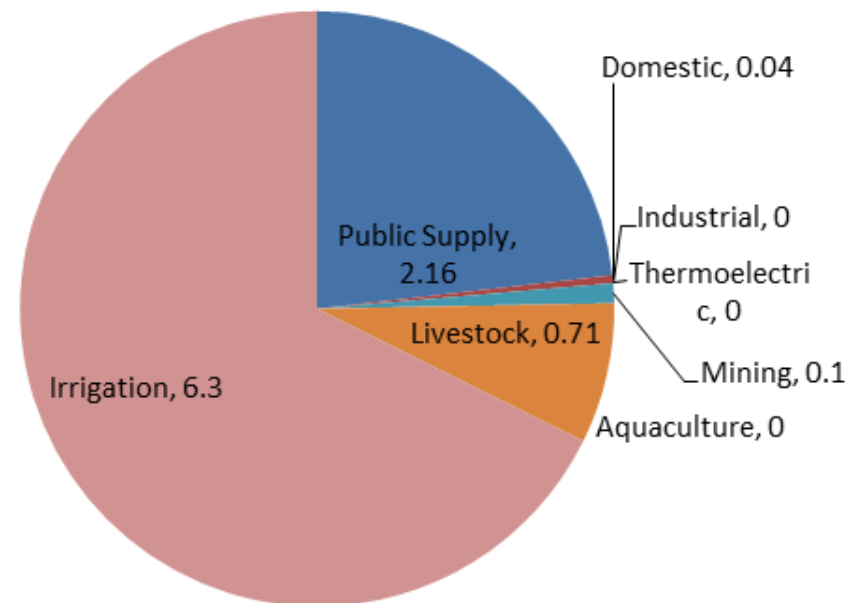
The Water section of the Prosperity Plan focuses on creating an adequate, affordable, efficient, and resilient water supply that meets the needs of all users. The plan also seeks to balance the supply of water with broader efforts to manage finite resources through conservation and education. This profile includes data on water supply and affordability:

- Water Use by Type
- Water Use by Category of Use
- Regional Water Use by Type
- Large Public Water Providers for River Basins in South Central Kansas
- Water Utility Rates

## SUMNER COUNTY DATA

The majority of water use in Sumner County is for irrigation purposes followed by public (household and business) uses.

### Water Use by Type, Sumner County, (Million Gallons per Day)



Source U.S. Geological Survey

**Public Supply** – water withdrawn by public governments and agencies, such as a county water department, and by private companies that is then delivered to users.

**Domestic** – water used for household purposes, such as drinking, food preparation, bathing, washing clothes, dishes, and dogs, flushing toilets, and watering lawns and gardens. About 85% of domestic water is delivered to homes by a public-supply facility, such as a county water department. About 15% of the Nation’s population supply their own water, mainly from wells. Domestic in the graph refers to the later source. Basically water used by households but not delivered through a centralized public system.

**Industrial** – water used for industrial purposes in such industries as steel, chemical, paper, and petroleum refining.

**Thermoelectric** – water used in the process of the generation of thermoelectric power. Power plants that burn coal and oil are examples of thermoelectric-power facilities.

**Mining** – water use during quarrying rocks and extracting minerals from the land.

**Livestock** – water used for livestock watering, feed lots, dairy operations, fish farming, and other on-farm needs.

**Aquaculture** – farming of plants and animals that live in water, such as fish, shellfish, and algae.

**Irrigation** – the controlled application of water for agricultural purposes through manmade systems to supply water requirements not satisfied by rainfall.

Major water providers in Sumner County include the City of Wellington along with Sumner Rural Water Districts 1, 2, 3, 4, 5, and 6.

#### Large Public Water Providers for River Basins in South Central Kansas

Public Water Provider	Basin	Reservoir	Other Sources	Other Purchases
Wellington	Lower Ark	Wellington City Lake	9 Wells, Chikaskia River	Sumner RWD 1, 2, & 3, Mayfield

Source KWP Vol 3 Reservoir Restoration

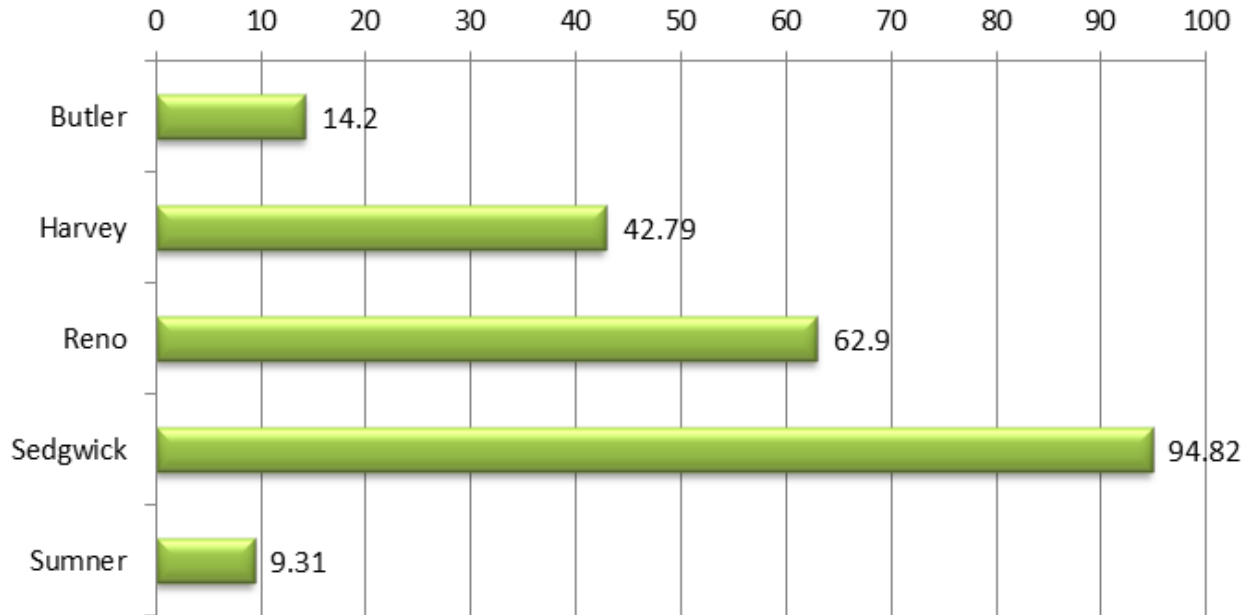


## SUMNER COUNTY AND REGIONAL DATA

The purpose of this section is to highlight Sumner County within the broader context of the region and to compare the county's performance on key indicators to the other four counties in South Central Kansas, as well as the State of Kansas.

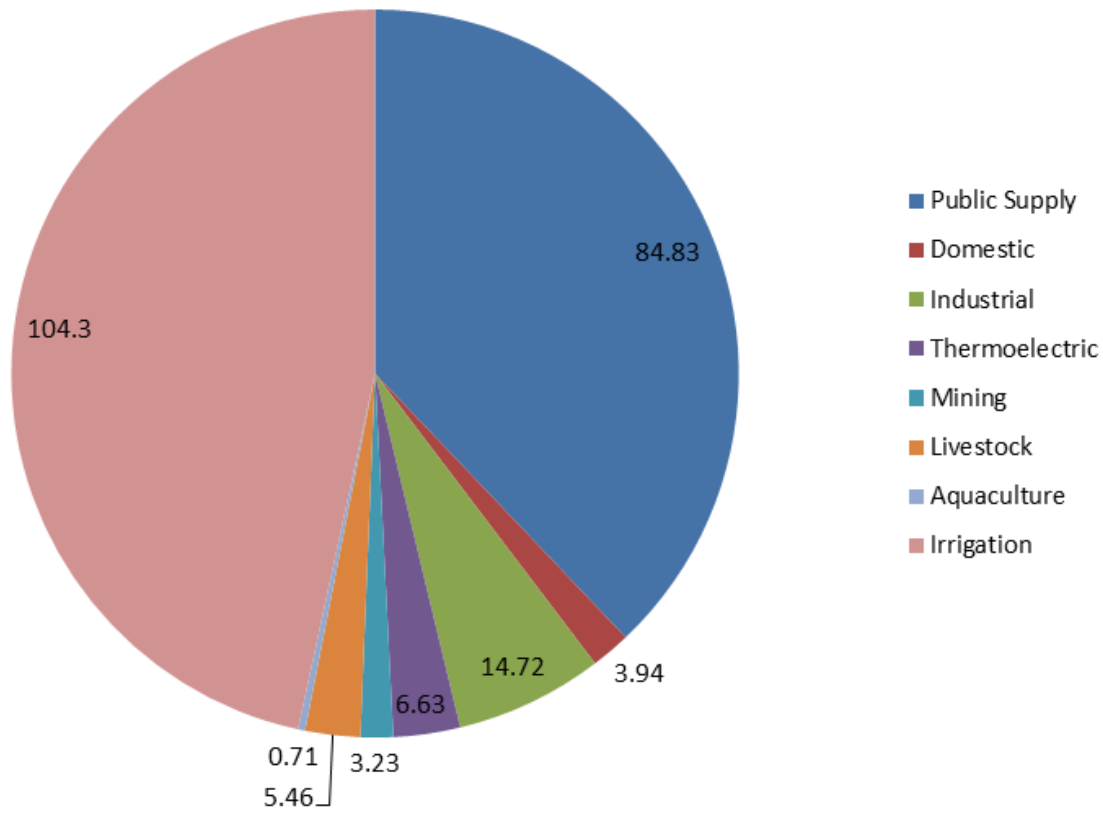
Sumner County uses the smallest amount of water in the region.

### Water Use by Type, South Central Kansas, (Million Gallons per Day)



Source U.S. Geological Survey

Water Use by Type, South Central Kansas, (Million Gallons per Day)



Source U.S. Geological Survey

# NATURAL RESOURCES

The Natural Resources section of the Prosperity Plan focuses on the quality and ongoing health of the natural environment, including land, water, wildlife habitat, and air. Natural resources are essential to regional prosperity because clean water, air, and green space meet the needs of industry and agriculture and support well-being and quality of life for residents. This section focuses on air and water quality, as well as threatened and endangered species and species in need of conservation.

Data include:

- Threatened & Endangered Species and Species in Need of Conservation
- Watershed Restoration and Protection Strategy
- Water Quality Impairment
- Water Quality Policies

## SUMNER COUNTY DATA

According to the Kansas Department of Wildlife, Parks and Tourism, Sumner County has 12 threatened and endangered species and 15 species in need of conservation.

### Threatened & Endangered Species and Species in Need of Conservation, Sumner County

Threatened and Endangered (T&E) Species	Species in Need of Conservation
Eastern Spotted Skunk	River Shiner
Arkansas River Speckled Chub	Western Hognose Snake
Silver Chub	Whip-poor-will
Checkered Garter Snake	Yellow-throated Warbler
Plains Minnow	Black Tern
Texas Blind Snake	Short-eared Owl
Arkansas River Shiner	Ferruginous Hawk
Piping Plover	Golden Eagle
Arkansas Darter	Glossy Snake
Snowy Plover	Eastern Hognose Snake
Whooping Crane	Black Rail
Least Tern	Bobolink
	Cerulean Warbler
	Henslow's Sparrow
	Long-billed Curlew

Source Kansas Department of Wildlife, Parks and Tourism

The county and its municipalities generally lack specific measures, such as storm water and landscape ordinances that can protect surface and groundwater sources.

**Local Water Quality Policies**

Jurisdiction	Zoning Ordinance	Building Code	Floodplain Ordinance	Subdivision Ordinance	Storm Water Ordinance	Drainage Ordinance	Site Plan Review Requirements	Landscape Ordinance	Wetlands/ Riparian Areas Conservation Plan
Sumner County	X		X	X					
City of Conway Springs	X			X					
City of Mulvane	X	X	X	X	X	X	X	X	
City of Wellington	X	X	X	X					

**Watershed Restoration and Protection Strategy**

The State of Kansas WRAPS, or Watershed Restoration and Protection Strategy program creates a collaborative framework to engage citizens and stakeholders in watershed planning. Planning under WRAPS can address issues, such as water quality, public water supply protection, flooding, and wetland and riparian habitat protection or restoration. The following WRAPS are active for watersheds in Sumner County and create the foundation for ongoing water quality planning practices:

- Grouse-Silver Creek

Each WRAP plan identifies its own set of best management practices (BMPs) for cropland, stream bank and livestock activities. The BMPs include stream bank stabilization, stream buffers, vegetative filter strips, reduced tillage or no-till farming, the relocation of livestock feeding stations, rotational grazing, and the use of alternative herbicides.

## SUMNER COUNTY AND REGIONAL DATA

The purpose of this section is to highlight Sumner County within the broader context of the region and to compare the county's performance on key indicators to the other four counties in South Central Kansas, as well as the State of Kansas. As shown in the data, water bodies in Sumner County have water quality issues related to excessive nutrient/organic loading and siltation.

### Lower Arkansas River Basin TMDLs

Waterbody	Impairments
Cow Creek Watershed	BAC, DO
Little Arkansas River Watershed	BAC, NUTR, SILT, ATZ
Turkey Creek Watershed	DO
Arkansas River below Wichita	BAC
Cowskin Creek Watershed	BAC, BIO
Upper Medicine Lodge River Watershed	BAC
Bluff Creek Watershed	BAC, DO
Quivira Big Salt Marsh Watershed	EUTRO
Quivira Little Salt Marsh Watershed	EUTRO
Cheyenne Bottoms Watershed	EUTRO
Newton City Park Lake Watershed	EUTRO
Cheney Lake Watershed	EUTRO, SILT
Pratt County Lake Watershed	EUTRO
Lake Afton Watershed	EUTRO
Sand Creek Watershed	NITRATE
Lake Anthony	EUTRO, SILT

- DO** Low dissolved oxygen in upper 3 meters of water column over deepest location in waterbody
- EUTRO** Eutrophication, biological community impacts and excessive nutrient/organic loading
- NUTR** Nitrogen and Phosphorous
- BAC** Bacteria
- BIO** Biology impairment caused by excessive sediment, nutrients or organic matter
- ATZ** Atrazine concentrations exceed 3 ppb on annual average and in numerous periodic samples
- NITRATE** Nitrate concentrations exceed 10 ppb in surface water

\* courtesy of the Kansas Nonpoint Source Management Plan

### Walnut River Basin TMDLs

Waterbody	Impairments
Whitewater River	FCB
Upper Walnut River	FCB
Rock Creek	E. Coli
Little Walnut River	E. Coli
El Dorado Lake	Eutro
El Corado Lake	Silt
Winfield City Lake	Eutro

- FCB** Fecal Coliform Bacteria
- EUTRO** Eutrophication, biological community impacts and excessive nutrient/organic loading
- SILT** Observed siltation and/or chronic turbidity that impacts development of trophic state
- E.Coli** Indicator organism with FCB

\* courtesy of the Kansas Nonpoint Source Management Plan

# HEALTHY COMMUNITY DESIGN

The Healthy Community Design section of the Prosperity Plan focuses on creating environments that promote the well-being and health of all residents throughout the region. The healthy community model serves as an overarching framework to integrate strategies across all plan elements in support of improved social, economic, educational, and physical opportunities. This section includes data that describe the overall health of residents in Sumner County and assesses the ability of the built environment to support healthy lifestyle choices.

Data include:

- Selected Health Outcomes, Sumner County
- Overall Health Outcome Ranking by County
- Selected Health Outcomes and Risk Factors by County
- Percentage of Residents with Limited Access to Healthy Foods in South Central Kansas
- Percent of Residents Experiencing Food Insecurity in South Central Kansas

## SUMNER COUNTY DATA

Sumner County residents experienced health risks at somewhat higher rates than the state overall and nation, particularly for rates of smoking, obesity, and physical activity.

### Selected Health Outcomes, Sumner County, 2014

	Sumner	Kansas	National Benchmark
Poor or fair health <sup>1</sup>	16%	13%	10%
Poor physical health days <sup>2</sup>	3.6	3.0	2.6
Poor mental health days <sup>3</sup>	3.3	2.9	2.3
Low birthweight <sup>4</sup>	7.5%	7.2%	6.0%
Adult smoking <sup>5</sup>	21%	18%	13%
Adult obesity <sup>6</sup>	34%	30%	25%
Physical Inactivity <sup>7</sup>	29%	24%	21%
Teen birth rate <sup>8</sup>	40	41	21
Uninsured <sup>9</sup>	15%	16%	11%
Primary care physicians <sup>10</sup>	3,012:1	1,411:1	1,067:1
Limited access to healthy foods <sup>11</sup>	8%	8%	1%
Fast food restaurants <sup>12</sup>	56%	48%	27%

Source County Health Rankings & Roadmaps

Note 1 = Percent of adults reporting fair or poor health (age-adjusted)

2 = Average number of physically unhealthy days reported in past 30 days (age-adjusted)

3 = Average number of mentally unhealthy days reported in past 30 days (age-adjusted)

4 = Percent of live births with low birthweight (< 2500 grams)

5 = Percent of adults that report smoking  $\geq$  100 cigarettes and currently smoking

6 = Percent of adults that report a Body Mass Index  $\geq$  30

7 = Percent of adults aged 20 and over reporting no leisure time physical activity

8 = Teen birth rate per 1,000 female population, ages 15-19

9 = Percent of population under age 65 without health insurance

10 = Ratio of population to primary care physicians

11 = Percent of population who are low-income and do not live close to a grocery store

12 = Percent of all restaurants that are fast-food establishments

## SUMNER COUNTY AND REGIONAL DATA

The purpose of this section is to highlight Sumner County within the broader context of the region and to compare the county's performance on key indicators to the other four counties in South Central Kansas, as well as the State of Kansas. As shown in the data below, Sumner County had the region's lowest score in the statewide ranking of counties on various health measures.

### Overall Health Outcome Ranking by County, 2014

Butler	Harvey	Reno	Sedgwick	Sumner
42/102	25/102	54/102	69/102	<b>71/102</b>

Source County Health Rankings and Roadmaps

The County Health Rankings & Roadmaps program is a partnership between the Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. The rankings examine various measures that affect health, such as high school graduation rates, unemployment, limited access to healthy foods, air and water quality, income, and rates of smoking, obesity, and teen births. The overall health outcomes reflect rates of premature death prior to the age of 75; the percent of adults reporting fair or poor health; the average number of physically unhealthy days reported in past 30 days; the average number of mentally unhealthy days reported in past 30 days; and the percent of live births with low birth weight. Sumner County had the lowest health ranking among the five counties at 71.

### Selected Health Outcomes and Risk Factors by County, 2014

	Butler	Harvey	Reno	Sedgwick	Sumner	Kansas	National Benchmark
Percent of adults that report smoking	17%	10%	19%	19%	<b>21%</b>	18%	13%
Rate of adult obesity	33%	33%	32%	30%	<b>37%</b>	30%	25%
Percent of adults aged 20 and over reporting no leisure time physical activity	25%	26%	24%	25%	<b>28%</b>	25%	21%
Percent of population who are low-income and do not live close to a grocery store	6%	7%	9%	9%	<b>8%</b>	8%	1%
Percent of all restaurants that are fast-food establishments	55%	51%	60%	54%	<b>56%</b>	48%	27%

Source County Health Rankings & Roadmaps

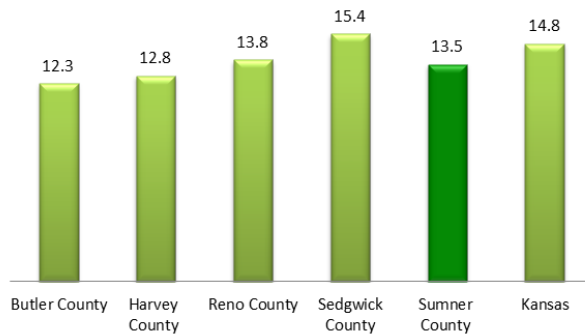
### Percentage of Residents with Limited Access to Healthy Foods in South Central Kansas

Butler County	Harvey County	Reno County	Sedgwick County	Sumner County	State of Kansas
6%	7%	9%	9%	<b>8%</b>	8%

Source Kansas Health Matters

Food deserts are areas that lack access to affordable fruits, vegetables, and other foods that make up a nutritious diet. Various factors, such as proximity to stores and restaurants, food prices, the availability of food and nutrition assistance programs, and other community characteristics interact to shape food choices and overall diet quality.

### Percent of Residents Experiencing Food Insecurity in South Central Kansas



Source Kansas Health Matters

Food insecurity is a strong economic and social indicator of the overall health of a community. The U.S. Department of Agriculture defines food insecurity as limited or uncertain availability of nutritionally adequate foods or uncertain resources to purchase such foods. Poverty and unemployment are common predictors of food insecurity.