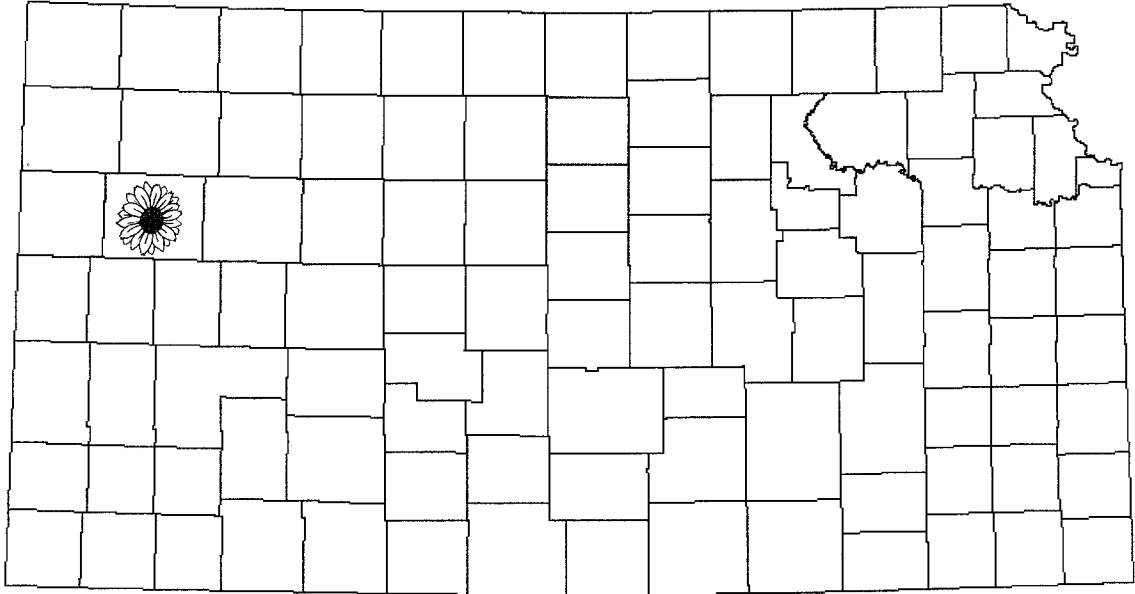


# Kansas County Health Profile 1999

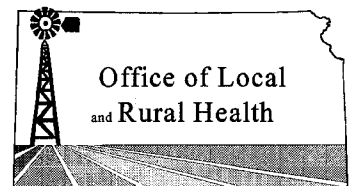


## LOGAN COUNTY

**Kansas Department of Health and Environment  
Office of Local and Rural Health**



**Landon State Office Building  
900 SW Jackson, Rm 1051-S  
Topeka, KS 66612-1290  
(785) 296-1200**



Kansas Department of Health and Environment  
Office of Local and Rural Health  
900 SW Jackson, Rm 1051-S  
Topeka, KS 66612-1290  
Phone: (785) 296-1200  
Fax: (785) 296-1231  
E-mail: BGibson@kdhe.state.ks.us  
Website: <http://www.kdhe.state.ks.us/olrh/>

Data analysis and report preparation for the *Kansas County Health Profiles*  
was performed for the Office of Local and Rural Health by



EnVisage Consulting  
1910 Montgomery Drive, Manhattan, KS 66502-3622  
Phone: (785) 587-0151 Fax: (785) 587-8528  
E-mail: [envisage@oz-online.net](mailto:envisage@oz-online.net)

# FOREWORD

This second edition of the *Kansas County Health Profile* presents demographic, economic, education, crime, health resources, maternal child health, death and disease information for your county in tables, graphs, and maps. A large portion of the information is also summarized for your county's population density peer group, Kansas, and the U.S.

For additional copies of the same county, users may reproduce their *County Profile* for **non-commercial purposes only** without prior permission of the Office of Local and Rural Health, Kansas Department of Health and Environment. Copyright © 1999 Office of Local and Rural Health, Kansas Department of Health and Environment.

Other *Kansas County Health Profiles* are available from the Office of Local and Rural Health, Kansas Department of Health and Environment, 900 SW Jackson, Room 1051-S, Topeka, KS 66612-1290, or call (785) 296-1200. An electronic release of *County Profile* data on our website, [www.kdhe.state.ks.us/olrh/](http://www.kdhe.state.ks.us/olrh/), is also planned.

# **ACKNOWLEDGMENTS**

The Office of Local and Rural Health would like to thank the many individuals and organizations without whom this publication would not have been possible.

In particular, we would like to thank the Office of Health Care Information, Kansas Department of Health and Environment (KDHE), for serving as a strategic partner in our efforts.

From the Bureau of Health Promotion, KDHE, we would like to thank Steve Pickard for his assistance in securing data for this project as well as serving as a technical and epidemiological advisor throughout the process.

Individuals representing the following KDHE bureaus, outside agencies, and other organizations provided information, ran special reports, answered questions, and reviewed drafts of data tables, allowing us to produce the *Profiles* for users interested in assessing and improving the health of their community.

**Bureau for Children, Youth & Families, KDHE**  
**Bureau of Epidemiology & Disease Prevention, KDHE**  
**Bureau of Health Promotion, KDHE**  
**Bureau of Water, KDHE**  
**Health Care Data Governing Board**  
**Kansas Association for the Medically Underserved**  
**Kansas Bureau of Investigation**  
**Kansas Cancer Registry**  
**Kansas Department of Education**  
**Kansas Department of Human Resources**  
**Kansas Department of Social and Rehabilitation Services**  
**Kansas Department of Transportation**  
**Kansas Hospital Association**  
**Kansas State Library**  
**Kansas Water Office**  
**Office of Health Care Information, KDHE**  
**Research Services, Southeast Kansas Education Service Center at Greenbush**

# GETTING STARTED

The *Kansas County Health Profile* has been designed with community-level users in mind. In particular, we hope it will be a valuable source of information to those communities conducting community health assessments.

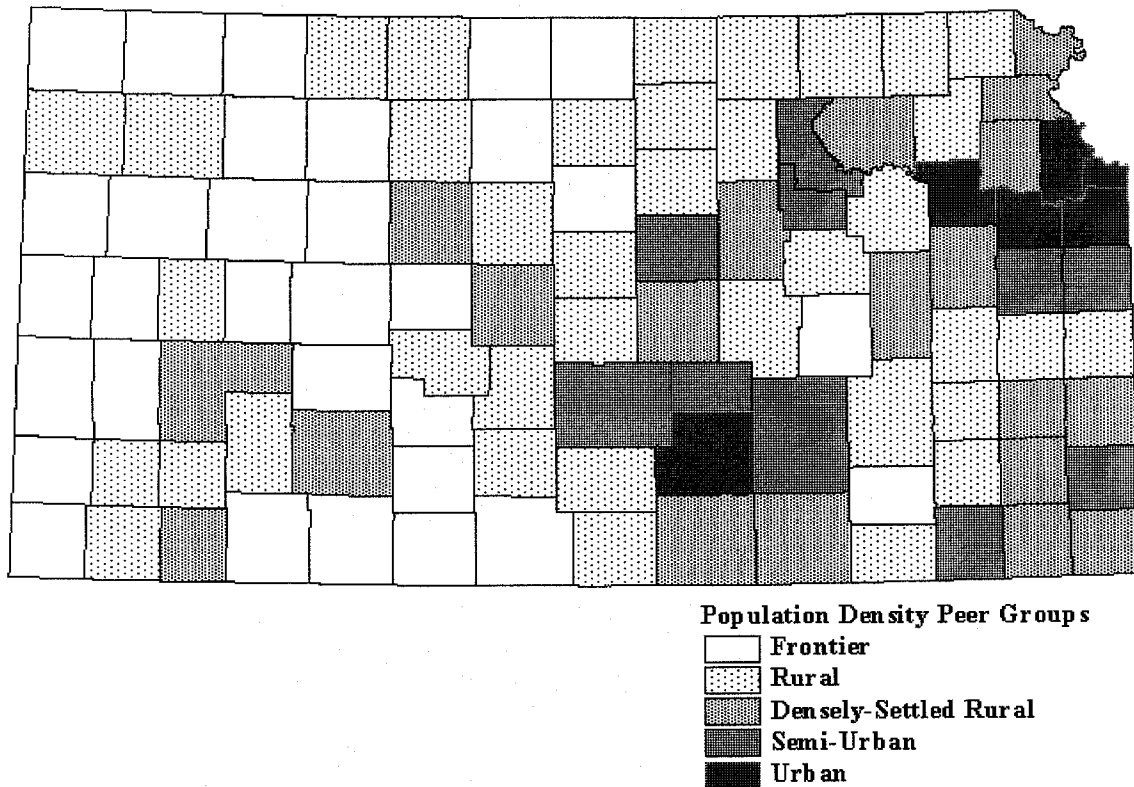
Read these quick-start tips before you begin using this edition of your *County Profile*.

- ❶ **In addition to information for your county, many tables also display the information on three other levels: population density peer groups, state, and national.** (See page iv for more information on population density peer groups.) Use these summary groupings to understand how your county compares to its peers as well as the state and national averages.
- ❷ **Notice the “Data Sources” and “User Notes” on each table.** These provide important information; however, there is not room on each table to provide complete explanations of the data. Refer to the *Kansas County Health Profile User’s Guide* for other essential facts.
- ❸ **Use the *Kansas County Health Profile User’s Guide* hand-in-hand with your *County Profile* as you use the tables.** The *User’s Guide* can give you valuable information including original data sources and complete definitions of the indicators. It is essential that you understand the limitations of the indicators before using them to make decisions.
- ❹ **Many data indicators are ranked from “1”,** signifying the largest number, percentage, or ratio to “105”, signifying the smallest number, percentage, or ratio. Often, several counties tie and are assigned the same rank. Make sure you understand how the data is ranked before you use the ranks to make inferences about your county.
- ❺ **Data from the 1999 *Kansas County Health Profile* are not necessarily comparable with the data from the 1994 *County Profiles*.** Some data definitions and groupings have changed. See “Comparability Notes” in the *User’s Guide* for complete information.
- ❻ **Only graphs and maps of selected indicators have been included.** Do not ignore other data contained in tables. Your community may also wish to graph other indicators which you deem important as you conduct your health assessment and implement your intervention(s).
- ❼ **Understand how to use the maps.** Indicators for almost all maps are grouped into quintiles, i.e., one-fifth of the counties are included in each group. While the quintile groups allow users to visualize differences in counties, the groups do NOT necessarily represent significant and meaningful differences in county indicator values. See the *User’s Guide* for a more detailed discussion on using the maps effectively.
- ❽ **If you have questions regarding the interpretation and use of *County Profile* data that are not sufficiently answered by the *User’s Guide*, contact the Office of Local and Rural Health at (785) 296-1200.**

# Population Density Peer Groups

For comparison purposes, most tables contain data summarized by population density peer groups.

<u>Population Density</u>	<u>Population Density Peer Group</u>
Less than 6.0 persons per sq. mi.	Frontier
6.0 - 19.9 persons per sq. mi.	Rural
20.0 - 39.9 persons per sq. mi.	Densely-Settled Rural
40.0 - 149.9 persons per sq. mi.	Semi-Urban
150.0 or more persons per sq. mi.	Urban



The above map shows population density peer groupings of Kansas counties.

# Listing of Counties by Population Density Peer Group

## Frontier

Barber  
Chase  
Cheyenne  
Clark  
Comanche  
Decatur  
Edwards  
Elk  
Gove  
Graham  
Greeley  
Hamilton  
Hodgeman  
Jewell  
Kearny  
Kiowa  
Lane  
Lincoln  
Logan  
Meade  
Morton  
Ness  
Osborne  
Rawlins  
Rush  
Sheridan  
Smith  
Stanton  
Trego  
Wallace  
Wichita

## Rural

Anderson  
Brown  
Chautauqua  
Clay  
Cloud  
Coffey  
Ellsworth  
Grant  
Gray  
Greenwood  
Harper  
Haskell  
Jackson  
Kingman  
Linn  
Marion  
Marshall  
Mitchell  
Morris  
Nemaha  
Norton  
Ottawa  
Pawnee  
Phillips  
Pratt  
Republic  
Rice  
Rooks  
Russell  
Scott  
Sherman  
Stafford  
Stevens  
Thomas  
Wabaunsee  
Washington  
Wilson  
Woodson

## Densely-Settled Rural

Allen  
Atchison  
Barton  
Bourbon  
Cherokee  
Cowley  
Dickinson  
Doniphan  
Ellis  
Finney  
Ford  
Jefferson  
Labette  
Lyon  
McPherson  
Neosho  
Osage  
Pottawatomie  
Seward  
Sumner

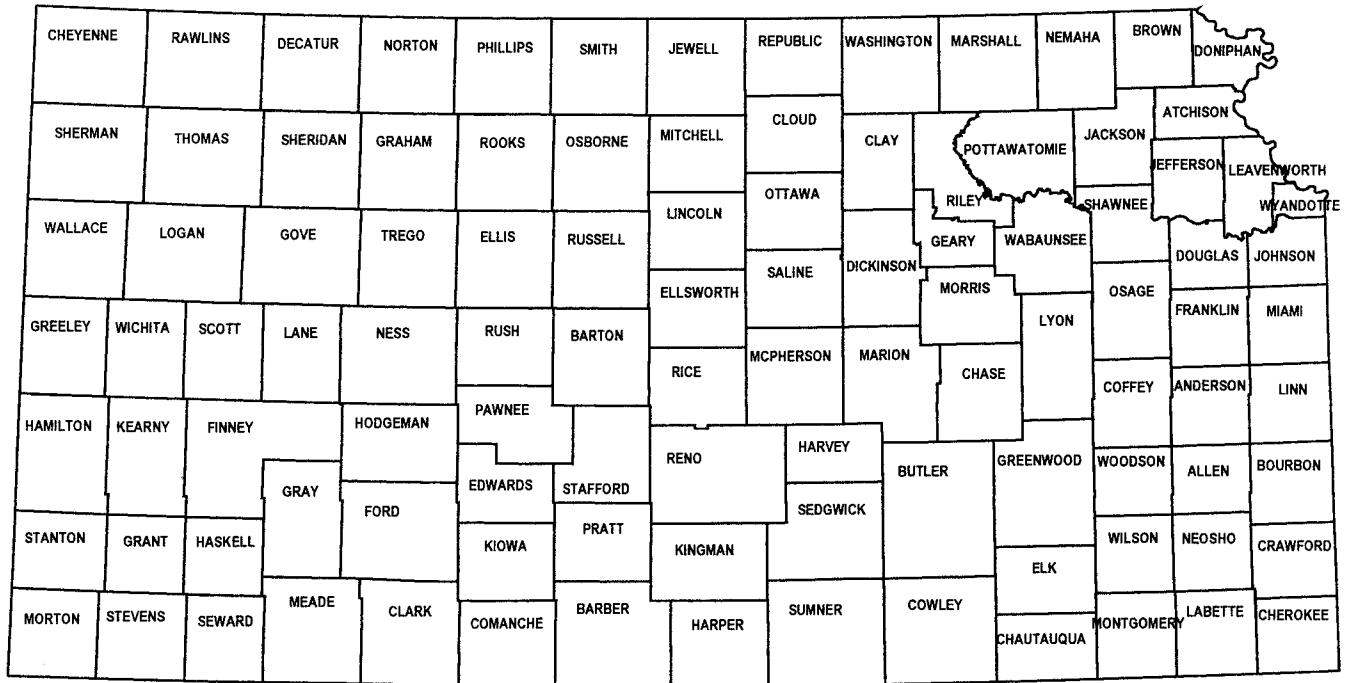
## Semi-Urban

Butler  
Crawford  
Franklin  
Geary  
Harvey  
Miami  
Montgomery  
Reno  
Riley  
Saline

## Urban

Douglas  
Johnson  
Leavenworth  
Sedgwick  
Shawnee  
Wyandotte

# County Map and Listing of Most Populated Cities



ALLEN	Iola	FINNEY	Garden City	LOGAN	Oakley	ROOKS	Plainville
ANDERSON	Garnett	FORD	Dodge City	LYON	Emporia	RUSH	La Crosse
ATCHISON	Atchison	FRANKLIN	Ottawa	MARION	Hillsboro	RUSSELL	Russell
BARBER	Medicine Lodge	GEARY	Junction City	MARSHALL	Marysville	SALINE	Salina
BARTON	Great Bend	GOVE	Quinter	MCPHERSON	McPherson	SCOTT	Scott City
BOURBON	Fort Scott	GRAHAM	Hill City	MEADE	Meade	SEDGWICK	Wichita
BROWN	Hiawatha	GRANT	Ulysses	MIAMI	Paola	SEWARD	Liberal
BUTLER	El Dorado	GRAY	Cimarron	MITCHELL	Beloit	SHAWNEE	Topeka
CHASE	Cottonwood Falls	GREELEY	Tribune	MONTGOMERY	Coffeyville	SHERIDAN	Hoxie
CHAUTAUQUA	Sedan	GREENWOOD	Eureka	MORRIS	Council Grove	SHERMAN	Goodland
CHEROKEE	Baxter Springs	HAMILTON	Syracuse	MORTON	Elkhart	SMITH	Smith Center
CHEYENNE	St. Francis	HARPER	Anthony	NEMAHA	Sabetha	STAFFORD	St. John
CLARK	Ashland	HARVEY	Newton	NEOSHO	Chanute	STANTON	Johnson City
CLAY	Clay Center	HASKELL	Sublette	NESS	Ness City	STEVENS	Hugoton
CLOUD	Concordia	HODGEMAN	Jetmore	NORTON	Norton	SUMNER	Wellington
COFFEY	Burlington	JACKSON	Holton	OSAGE	Osage City	THOMAS	Colby
COMANCHE	Coldwater	JEFFERSON	Valley Falls	OSBORNE	Osborne	TREGO	WaKeeney
COWLEY	Arkansas City	JEWELL	Mankato	OTTAWA	Minneapolis	WABAUNSEE	Alma
CRAWFORD	Pittsburg	JOHNSON	Overland Park	PAWNEE	Lamed	WALLACE	Sharon Springs
DECATUR	Oberlin	KEARNY	Lakin	PHILLIPS	Phillipsburg	WASHINGTON	Washington
DICKINSON	Abilene	KINGMAN	Kingman	POTTAWATOMIE	Warrego	WICHITA	Leoti
DONIPHAN	Wathena	KIOWA	Greensburg	PRATT	Pratt	WILSON	Neodesha
DOUGLAS	Lawrence	LABETTE	Parsons	RAWLINS	Atwood	WOODSON	Yates Center
EDWARDS	Kinsley	LANE	Dighton	RENO	Hutchinson	WYANDOTTE	Kansas City
ELK	Howard	LEAVENWORTH	Leavenworth	REPUBLIC	Belleville		
ELLIS	Hays	LINCOLN	Lincoln Center	RICE	Lyons		
ELLSWORTH	Ellsworth	LINN	Pleasanton	RILEY	Manhattan		

# Table of Contents

	<u>Page</u>
Foreword .....	i
Acknowledgments .....	ii
Getting Started .....	iii
Population Density Peer Groups .....	iv
County Map and Listing of Most Populated Cities .....	vi
 <b>POPULATION</b>	
Population Trends .....	2
Population by Age Group by Gender .....	4
Population by Race and Hispanic Ethnicity by Gender .....	10
Rural and Farm Characteristics .....	14
 <b>FAMILIES AND HOUSEHOLDS</b>	
General Household and Family Characteristics .....	18
Marriage and Divorce .....	24
 <b>PHYSICAL ENVIRONMENT</b>	
General Housing Characteristics .....	26
Community Water Systems .....	32
EPA Watershed Website .....	38
 <b>ECONOMIC HEALTH</b>	
Poverty by Age, Race/Ethnicity, and Family Structure .....	40
Poverty Ratios and Poverty Estimates .....	46
Income and Unemployment .....	50
 <b>PUBLIC ASSISTANCE AND MEDICAL SERVICES</b>	
General Public and Medical Assistance .....	54
Medicaid Enrollees and Consumers .....	56
Medicaid Deliveries .....	62
Kan Be Healthy Participation .....	66
 <b>EDUCATION</b>	
Educational Attainment and English Skills .....	70
 <b>BEHAVIORS</b>	
Crime .....	74
Motor Vehicle Accidents and Alcohol Involvement .....	80
Motor Vehicle Accidents and Safety Equipment Usage .....	84
Risk and Protective Behaviors .....	88
Immunizations .....	100

<b>MATERNAL AND INFANT HEALTH</b>	
Pregnancies by Outcome, Age Group of Mother, and Race/Ethnicity of Mother . . . . .	102
Birth Rates and Pregnancy Rates by Age Group of Mother and Race/Ethnicity of Mother	106
Teen Pregnancy Rates by Age Group, Race/Ethnicity, and Marital Status of Mother . . . .	110
Prenatal Care Percentages by Age Group of Mother and Race/Ethnicity of Mother . . . .	114
Low Birth Weight Rates, Preterm Birth Rates, and Infant Mortality Rates . . . . .	118
<b>DISEASE, ILLNESS, AND INJURY</b>	
Selected Reportable Diseases . . . . .	122
Selected Hospitalizations Representing Preventable Disease . . . . .	124
Cases of Selected Cancers . . . . .	132
<b>DEATHS</b>	
Crude Death Rates for Selected Causes . . . . .	134
Age-Adjusted Death Rates . . . . .	136
Ten Leading Causes by Years Potential Life Lost . . . . .	140
Cancer Deaths (Selected Sites) . . . . .	142
<b>PRIMARY CARE ACCESS</b> . . . . .	144