

# Regional Health Assessment



**Public Health**  
Prevent. Promote. Protect.

## Missouri: Region G Local Public Health Agencies

June 2017

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## History of Region G Public Health Collaborative

The Region G Public Health Collaborative, formally organized in the fall of 2008, is comprised of nine Local Public Health Agencies. The service area includes Carter, Douglas, Howell, Oregon, Ozark, Reynolds, Shannon, Texas, and Wright Counties in rural Southern Missouri. The group first worked together in 2003 to implement a regional bioterrorism program funded by the Missouri Department of Health and Senior Services. A Regional Planner and Epidemiologist were employed by the lead agency, Texas County Health Department. The governing boards of each agency signed a Memorandum of Agreement (MOA) and developed plans to help neighboring counties in the event of an emergency or disaster. Meetings, trainings, and group exercises allowed the agencies to work together. Friendships developed as the members became acquainted and began to trust and depend on each other. Bonds formed between the members and the group began to view themselves more as a region and less as individual counties.

The federal Delta States Rural Network Development Project, awarded in 2007, provided funding to innovatively raise the Region G collaborative to yet another level. A Delta project member, Douglas County Health Department, worked directly with other local public health agencies in the Region G area. The project focused on practice management and provided professional development opportunities in a central location. The classes were presented by Rockhurst University and empowered the participants to become better leaders and managers within their own organizations. Also through the Delta project, the Douglas County Health Department Administrator developed a Region G intranet system. The system allows members of the Region G Public Health Collaborative to communicate easily, share documents and policies, exchange ideas and problem solve. The *Region G Team Web Site* was selected as a Model Practice by the National Association of County and City Health Officials' (NACCHO) Model Practice Program. The award was presented at the NACCHO Annual 2009 Conference at Orlando, Florida, in July 2009.

The Missouri Institute of Community Health (MICH) invited the nine local public health agencies to a meeting to discuss volunteer accreditation in January 2008. The members shared concerns about the accreditation standards. The group discussed potential changes that could be made in the standards to make the process achievable for small agencies. MICH informed the group of a NACCHO funding opportunity that could be of assistance in exploring all opportunities and options for the accreditation process. Douglas and Reynolds Counties developed a proposal and all nine county governing boards signed agreements and letters of support. The established regional intranet system facilitated sharing of information and proved invaluable in facilitating the communication needs of Region G during the process. In February 2008, the members were notified of a grant award. The nine local public health agencies in Region G and a group of three small rural counties in northern Missouri were twelve of the sixty demonstration site projects that were awarded nationally. The purpose of the project

was to determine readiness of small rural health departments to national accreditation. The project was completed in November of 2008.

The group chose a NACCHO approved consultant to bring the group into a “formalized” collaborative through development of a three-year strategic plan and a charter. The consultant, from Iowa, was familiar with rural public health and the task of legal development of an organization. One of the top priorities of the plan was to collectively complete a regional community health assessment. Missouri Department of Health and Social Services requires the local public health agencies to complete an individual county community health assessment every three years. The Region G members determined that a regional assessment, completed with help from a university school of public health would enable them to compare data collected within the county to regional and state measures. This document could assist the collaborative in seeking funding for the group as the data would be compelling coming from a regional viewpoint. The group researched the legality of LPHAs working together and contracting with one another. They were able to identify the Missouri State Laws and Statutes that legally allow LPHAs to contract with each other, and with other agencies in the state and in other states. The result was a legally binding Charter that formalized the Region G Public Health Collaborative.

Completion of the survey tool allowed the nine counties to identify strengths and weakness and potential gaps. It was a consensus across all nine counties that one of the biggest gaps that surfaced was the lack of a working relationship with academia and the lack of participation in a research project. They collectively agreed to take a proactive approach and contact state universities for a summer intern to assist with a regional community health assessment. Southeast Missouri State University, John C. Kraemer, Ph.D and a student intern met with Region G members and began the assessment process. Dr. Kraemer and the student intern utilized the regional intranet for individual county data collection and processing. All agreed that this was the beginning of a partnership between Region G and Southeast Missouri State University School of Public Health. The community health assessment was conducted in the summer of 2009. The group contracted with Mary Peterson, Executive Director of Peterson and Associates, a private consulting firm, for the report development.

MICH offered Region G and the northern group the FIRST Mini Collaborative opportunity. The purpose of the three-year mini collaborative is Quality Improvement (QI) education for each of the individual agencies. This will assist us in our journey towards Missouri voluntary accreditation. Region G is presently working collaboratively with Region E on a project with John Hopkins University School of Public Health. The purpose of the project is to assess the readiness of the public health workforce to respond to public health emergencies. Both Region G and E are cementing their partnership by collectively writing for NACCHO funding to develop Excellence in Responding to Public Health Emergencies. These two projects demonstrate the ability of small rural public health agencies’ ability to collaborate and blur demographic county lines and individual agendas.

The Center for Local Public Health Services (CLPHS) at the MO Department of Health and Senior Services, has provided additional funding for fiscal year 2010 to the member organizations of Region G. The additional funding will allow the agencies to continue their journey for quality agencies and demonstrated leadership. The purpose of the funding is attendance at computer data training and development of a balanced scorecard. Once again rural LPHAs are stepping out and leading the way to the future for public health.

In the past H1 N1 Influenza A outbreak, the Region G Public Health Collaborative has had an opportunity to test its ability to collaboratively get the Strategic National Stockpile (SNS) supplies quickly and cost effectively. Wright County Health Department took the lead and secured the supplies for the entire region. They then drove back across the region and distributed them efficiently and without difficulty. This was a cost saver and a time saver for all of the nine county health departments in Region G. This is yet another shining example of the benefits of collaboration and partnership.

Through the DELTA project Region G Counties are collaborating on Health Literacy issues facing our citizens. The assistance provided by the DELTA project has greatly enhanced our capabilities in addressing health literate issues in Region G.

Region G is committed to achieving voluntary state accreditation and has reaped the benefits of “stepping out of the box”, losing a “silo mentality”, and joining hands together across county lines, allowing the group to bring better health opportunities to all citizens.

Valerie Reese  
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## Introduction

A Community Health Assessment is a fundamental tool of public health practice utilizing a process of collecting data, analyzing the data that is collected and setting priorities for improving the health of a defined population based on said data. Our aim is to describe the health of the community, by presenting information on health status, community health needs, and resources.

The Missouri Region G Local Public Health Departments are proud to present this report. This report is a comprehensive collection and analysis of data regarding health issues and needs in Carter, Douglas, Howell, Oregon, Ozark, Reynolds, Shannon, Texas and Wright counties. Our purpose for this study is to identify health issues of primary concern and to provide information to our partners (government, social service agencies, businesses, health care providers, foundations and consumers) who we feel are positioned to make an impact on the health of our communities and the region.

This report identifies the overall health and wellbeing of the counties within Missouri Region G. The results enable us to establish priorities and develop strategic planning to effectively improve the health of our communities and region.

Our main goal in conducting a regional community health assessment is to share this information. We hope that by utilizing this process we will further our collaborative efforts, especially across county lines and with all agencies in the various sectors of health care to address the health needs of our residents.

Feedback from the community is an important tool in conducting a community health assessment. Any comments or suggestions for improvement regarding this assessment and its contents is welcomed and can be shared with the Missouri Region G Local Public Health Departments at any time.

Valerie Reese

Administrator, Douglas County Health Department

# **Section I**

**Demographics**

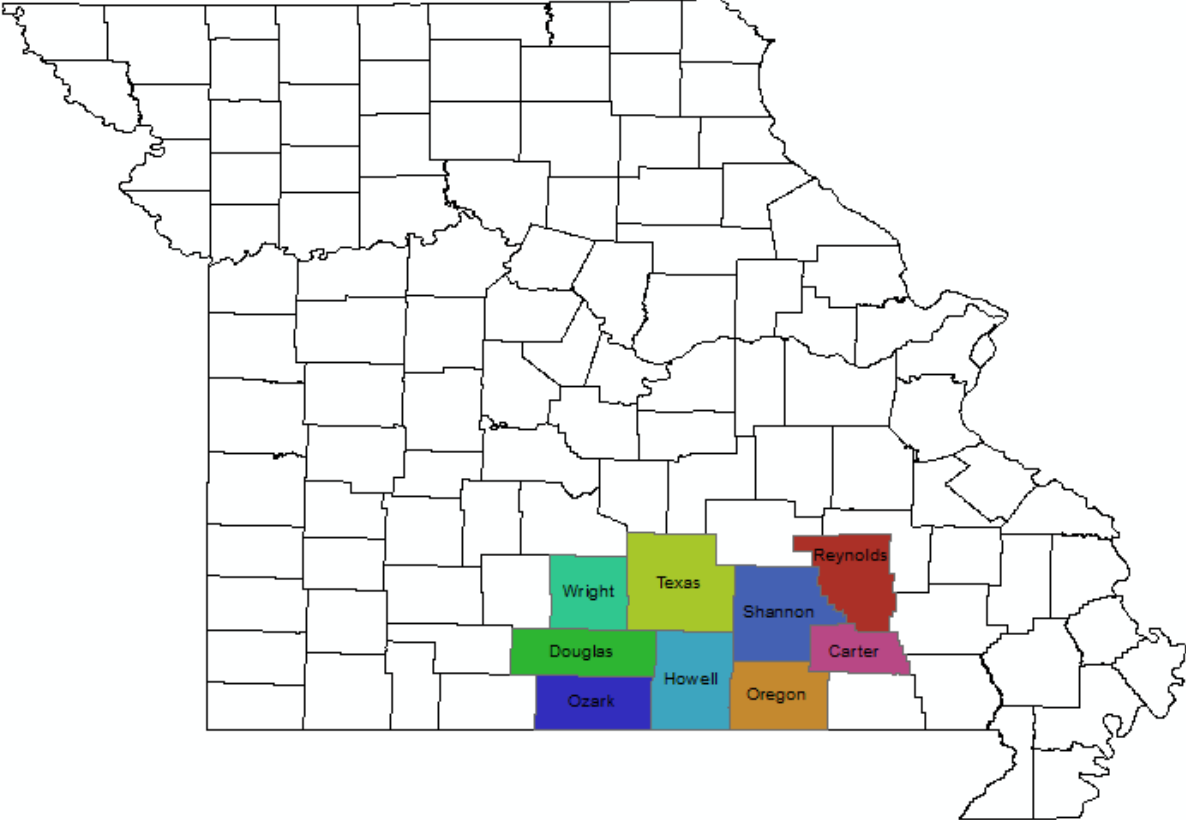
**Education**

**Socioeconomic indicators**

# COUNTY DEMOGRAPHICS

Region G includes Carter, Douglas, Howell, Oregon, Ozark, Reynolds, Shannon, Texas, and Wright Counties in Southern Missouri.

**Figure 1.1**



## Carter County

Carter County is located in the southeast corner of the Missouri Ozarks, in the central western portion of the Ozark Foothills Region of Southeast Missouri. Most of the county is within the Mark Twain National Forest. The Current River, part of the Ozark National Scenic Riverway, flows through Carter County. The county was organized on March 10, 1859, from portions of Oregon, Reynolds, Ripley and Shannon counties. The county was named for Zimri A. Carter, a pioneer settler who came to Missouri from South Carolina in 1812.

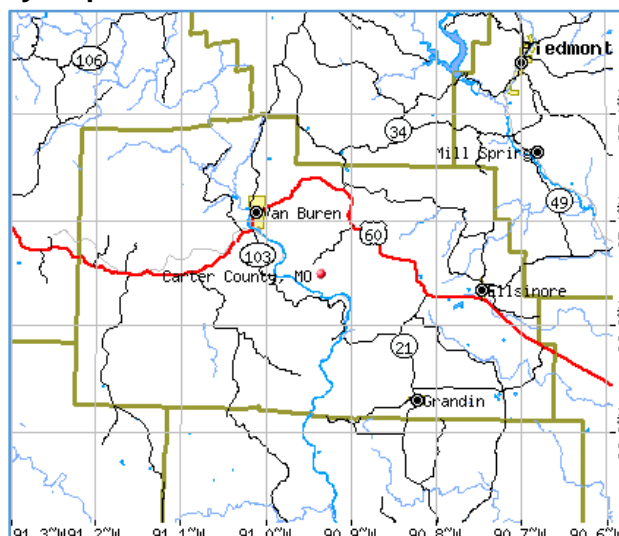
According to the U. S. Census Bureau, the county has a total land area of 508 square miles, and total water area of 1.4 square miles. Stegall Mountain, with an elevation of 1,348 feet, is the highest point in the county. The county's lowest elevations, about 400 feet, may be found in the river valleys on its southern boundary.

Carter County is bordered by Reynolds to the north; Wayne to the northeast; Butler to the southeast; Shannon to the west; Ripley to the south; and Oregon to the southwest. According to the 2015 Census estimates, Carter County has a total population of 6,168. The population density is 12.3 people per square mile. March 2016 cost of living index in Carter County was 78.1 (low). Incorporated areas in 2015 include Van Buren, population 819; Ellsinore, population 446; and Grandin, population 243. Van Buren is the county seat.

Carter County is a part of Missouri's 153rd Legislative District and Missouri's 3rd Senatorial District that consists of Carter, Iron, Reynolds, St. Francois, Ste. Genevieve and Washington counties as well as parts of Jefferson County. In the U. S. House of Representatives, Carter County is part of Missouri's 8<sup>th</sup> Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, 1,520 total jobs were provided. State and local governments account for 24.4 percent of the total jobs (369). Service-Providing (748) and Goods-Producing (283) are the largest private industries.

**Figure 1.2 Carter County Map**





## Douglas County

Douglas County is located in South Central Missouri. The county was officially organized on October 29, 1857 and is named after Stephen A. Douglas, a U. S. Senator Democratic presidential candidate.

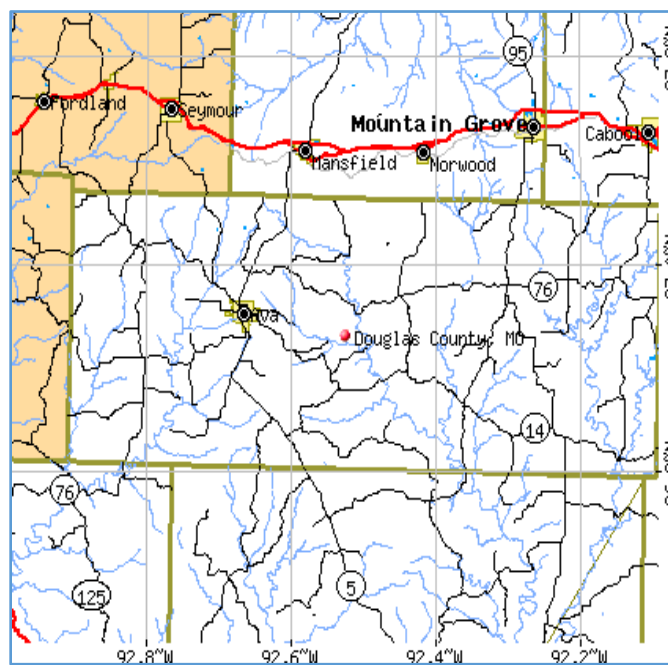
According to the U. S. Census Bureau, the county has a total land area of 815 square miles and a water area of 1.0 square mile. Population is 13,358 and the population density is 16.8 people per square mile. Sub-county estimates indicate 21 percent of the county's population are urban dwellers, and 79 percent are rural. The March 2016 cost of living in Douglas County was 79.0 (low). The county has only one incorporated town, which is the county seat, Ava. The 2016 population of Ava is 2,993.

Douglas County is bordered on the northwest by Webster County; on the north by Wright County; on the northeast by Texas County; on the east by Howell County; on the south by Ozark County; on the southwest by Taney County; and on the west by Christian County. Major highways include Route 5, Route 14, Route 76, Route 95 and Route 181.

Douglas County is a part of Missouri's 144th Legislative District and is also a part of Missouri's 20th Senatorial District. The 20th Senatorial District consists of Christian, Douglas and Webster Counties and part of Greene County. In the U. S. House of Representatives, Douglas County is part of Missouri's 8<sup>th</sup> Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, 2,346 total jobs were provided. Federal, State and local governments account for 19.9 percent of the total jobs (477). Service-Providing (1,232), Goods-Producing (688) are the largest private industries.

**Figure 1.3 Douglas County Map**



## Howell County

Howell County is located in South Central Missouri. Officially organized on March 2, 1851, the county is named after Josiah Howell, a pioneer settler in the Howell Valley.

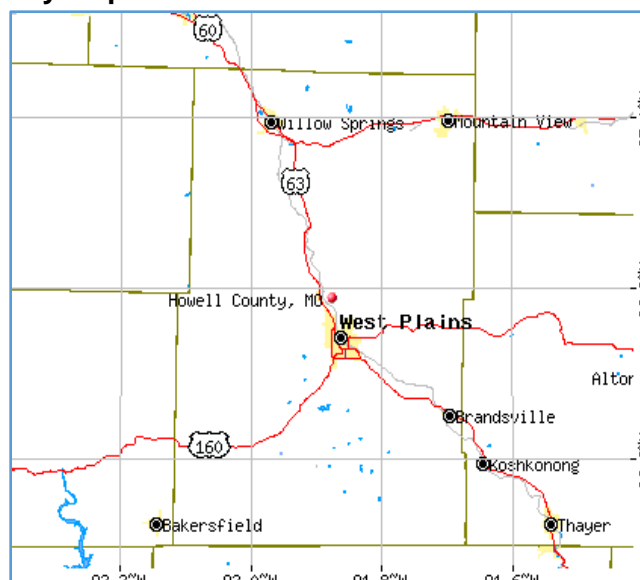
According to the Census Bureau, the county has a total area of 928 square miles, a water area of 1.1 square miles, and a population of 40,210. The population density is 43.6 people per square mile. It is the third-largest county in Missouri by land area and fourth-largest by total area. The March 2016 cost of living index was 78.8 (low). The largest city and county seat is West Plains, population 11,986. Other incorporated areas are Mountain View, population 2,719; and Willow Springs, population 2,184. Those living in rural areas account for 72 percent of the population.

Howell County is bordered on the north by Texas County; on the northeast by Shannon County; on the east by Oregon County; on the south by Fulton County, Arkansas; on the southwest by Ozark County; and on the northwest by Douglas County. Major highways include U. S. Route 60, U. S. Route 63, U. S. Route 160, Route 14, Route 17, Route 76, and Route 142. Howell County is part of the Mark Twain National Forest.

Howell County is divided into two legislative districts in the Missouri House of Representatives. Some of the northern portion of the county is in District 143 and the remainder of the county is in District 151. Howell County is also a part of Missouri's 33rd Senatorial District that consists of Camden, Howell, Laclede, Oregon, Shannon, Texas, and Wright counties. In the U.S. House of Representatives, Howell County is part of Missouri's 8th Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, 14,964 total jobs were provided. Federal, State and local governments account for 15.9 percent of the total jobs (2,386). Education, Health, and Social Services (4,355), and Trade, Transportation, and Utilities (3,204) are the largest private industries.

**Figure 1.4 Howell County Map**



## Oregon County

Oregon County is located in South Central Missouri. The county was officially organized on February 14, 1845 and was named for the Oregon Territory in the northwestern United States. Home to a large area of the Mark Twain National Forest, Oregon County contains more National Forest land than any other county in the state. It is also home to the Irish Wilderness, the largest federally protected wilderness area in Missouri. Canoeing and fishing are popular on the Eleven Point River, which is Missouri's only National Wild and Scenic River.

The county seat is Alton, population 871. The largest city is Thayer, population 2,243. Other incorporated areas include Koshkonong, population 212; and Wood Heights, population 717. Those living in rural areas account for 81 percent of the population. According to the U.S. Census Bureau, the county has a total land area of 791 square miles, water area of 1.7 square miles, and a population of 10,789. The population density is 13.8 people per square mile. The March 2016 cost of living index was 77.8 (low).

Oregon County is bordered on the north by Shannon County; on the northeast by Carter County; on the east by Ripley County; on the Southeast by Randolph County, Arkansas; on the south by Sharp County, Arkansas; on the southwest by Fulton County, Arkansas; and on the west by Howell County. Major highways include U. S. Route 63, U. S. Route 160, Route 19, Route 99, and Route 142.

Oregon County is part of the 153<sup>rd</sup> Legislative District and Missouri's 33rd Senatorial District that consists of Camden, Howell, Laclede, Oregon, Shannon, Texas, and Wright counties. In the U.S. House of Representatives, Oregon County is part of Missouri's 8th Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, 2,384 total jobs were provided. Federal, State and Local government consist of 20.5 percent of the total jobs (476). Retail trade (586), and state and local government (487) are the next largest industries.

**Figure 1.5 Oregon County Map**



## Ozark County

Ozark County, officially organized on January 29, 1841, is located in South Central Missouri. The county was first called Decatur County after Commodore Stephen Decatur. The county was eventually renamed to Ozark County.

The largest city and county seat is Gainesville, population 764. Other incorporated areas include Bakersfield, population 244 and Theodosia, population 249. Population density is 13.1 people per square mile, and there is a total population of 9,237. The March 2016 cost of living index was 78.2 (low).

According to the U.S. Census Bureau, the county has a total area of 745 square land miles and 12.9 square water miles. Ozark County is bordered on the north by Douglas County; on the east by Howell County; on the southeast by Fulton County, Arkansas; on the south by Baxter County, Arkansas; on the southwest by Marion County, Arkansas; and on the west by Taney County. Major highways include U. S. Route 160, Route 5, Route 95, and Route 181.

Ozark County is a part of Missouri's 143rd Legislative District and Missouri's 29th Senatorial District that consists of Barry, Lawrence, McDonald, Ozark, Stone, and Taney counties. In the U.S. House of Representatives, Ozark County is part of Missouri's 8th Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, 1617 total jobs were provided. State and local government account for 13.9 percent of the total jobs (224); manufacturing (250), and construction (137) are the largest private industries.

**Figure 1.6 Ozark County Map**



## Reynolds County

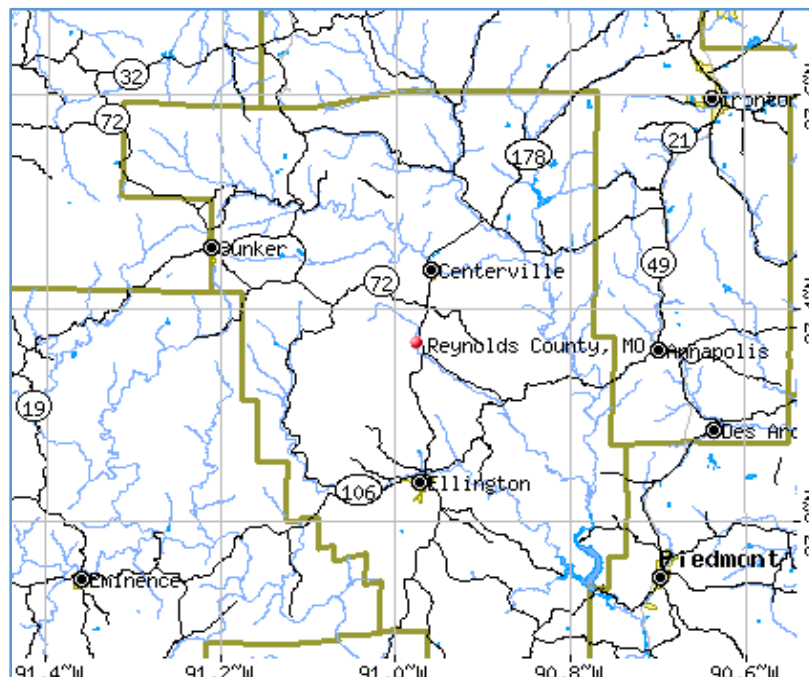
Reynolds County is located in the northwestern portion of the Ozark Foothills Region in Southeast Missouri. The county is near the geologic center of the Ozark Highlands. Officially organized on February 25, 1845, the county was named in honor of Thomas Reynolds, a former governor of Missouri.

Reynolds County is bordered on the northwest by Dent County; to the northeast by Iron County; to the southeast by Wayne County; to the south by Carter County; and to the west by Shannon County. The major thoroughfares are U. S. Route 21, Route 49, Route 72, and Route 106. Reynolds County has a total area of 811 square land miles and 3.2 square water miles. The population density is 8.3 persons, and the population total is 6,455. The March 2016 cost of living index was 77.7 (low). Centerville is the county seat with a population of 194. Ellington is the most populated area, population 993.

Reynolds County is divided into two legislative districts in the Missouri House of Representatives. The extreme northwestern part of the county is in District 150 and the remainder of the county is in District 152. The county is a part of Missouri's 3rd Senatorial District. In the U. S. House of Representatives, Reynolds County is part of Missouri's 8<sup>th</sup> Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, there were 1714 jobs in Reynolds County. State and local government employed 20 percent of the workers (342). Educational services, health care and social assistance (466), Agriculture (251) and manufacturing (274) were the largest private industries.

**Figure 1.7 Reynolds County Map**





## Shannon County

Shannon County is located in South Central Missouri. The county was officially organized on January 29, 1841 and was named in honor of George F. "Peg-Leg" Shannon, a member of the Lewis and Clark Expedition. Shannon County was home to Missouri's first copper mine that opened here in 1846 and Missouri's only manganese mine that opened during World War II.

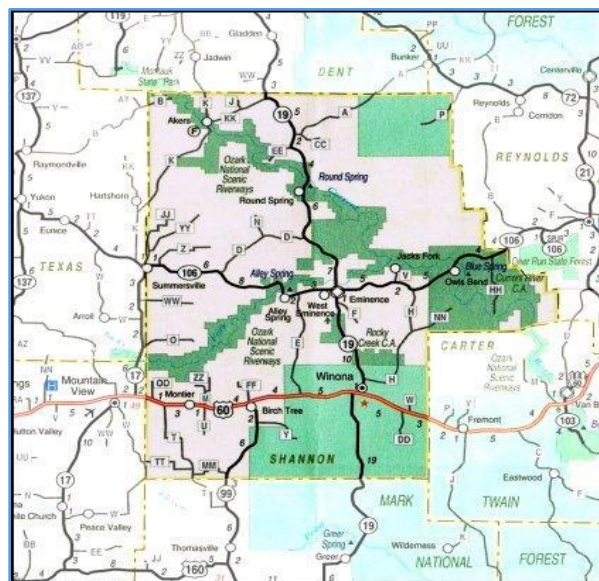
The total population is 8,168. The county seat is Eminence, population 590. Other incorporated areas include Birch Tree, population 668 and Winona, population 1,317. Shannon County is the second largest county by land area in the state. According to the U.S. Census Bureau, the county has a total area of 1,004 square land miles and 0.2 square water miles. The population density is 8.4 people per square mile. The March 2016 cost of living index was 78.0 (low).

Shannon County is bordered on the north by Dent County; on the east by Reynolds County; on the southeast by Carter County; on the south by and Oregon County; on the southwest by Howell County; and on the west by Texas County. The major thoroughfares are U. S. Route 60, Route 19, Route 99, and Route 106. Shannon County is part of the Mark Twain National Forest and the Ozark National Scenic Riverways.

Most of Shannon County is included in the 152nd Legislative District. A small portion of the county is in the 147th Legislative District. Shannon County is part of Missouri's 33rd Senatorial District that also includes Camden, Howell, Laclede, Oregon, Texas, and Wright counties. In the U.S. House of Representatives, Howell County is part of Missouri's 8th Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, there were 1499 jobs in Shannon County. Manufacturing accounted for 27% of the total jobs (522). Administration (299), finance (254) and Transportation/utilities (164) were the next largest industries.

**Figure 1.8 Shannon County Map**



## Texas County

Texas County is located in South Central Missouri. The county was first named after William H. Ashley, the first lieutenant governor of Missouri. When the county was officially organized on February 14, 1845, it was renamed for the Republic of Texas.

Texas County is the largest of Missouri's 114 counties with a total population of 25,775. Texas County is larger than the nation's smallest state, Rhode Island, in terms of land area. According to the U.S. Census Bureau, the county has a total land area of 1,177 square miles and a total water area of 2.0 square miles. The population density is 22.1 people per square mile. The March 2016 cost of living index was 78.2 (low).

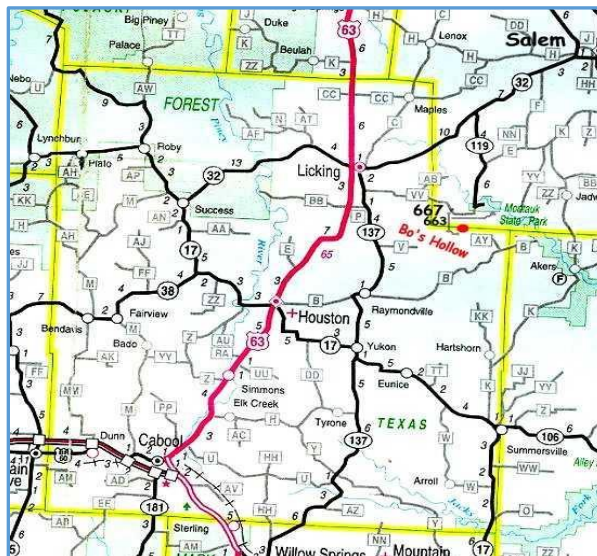
Texas County is one of the few counties in the United States to border as many as eight counties. The county is bordered on the north by Pulaski County; to the north by Phelps County; to the northeast by Dent County; to the east by Shannon County; to the south by Howell County; to the southwest by Douglas County; to the west by Wright County; and to the northwest by Laclede County. The major thoroughfares through the county are U. S. Route 60, U. S. Route 63, Route 17, Route 32, Route 38, and Route 137.

The incorporated areas include Cabool, population 2,146; Houston, population 2,081; Licking, population 3,124; and Summersville, population 502. Houston is the county seat.

Texas County is divided into two legislative districts in the Missouri House of Representatives. Some of the eastern portions of the county are in District 144. The remainder of the county is in District 147. Texas County is also a part of Missouri's 33rd Senatorial District. In the U.S. House of Representatives, Oregon County is part of Missouri's 8th Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, there were 9142 jobs in Texas County. Educational services, health care and social assistance accounted for more than 25.9 percent of the total jobs (2,371). State and local government (1,918), retail trade (1,244), and manufacturing (962) were the next largest industries for this county.

**Figure 1.9 Texas County Map**



## Wright County

Wright County is located in South Central Missouri. The county was officially organized in January 1841 and is named after Silas Wright, a former Congressman, U.S. Senator and Governor of New York.

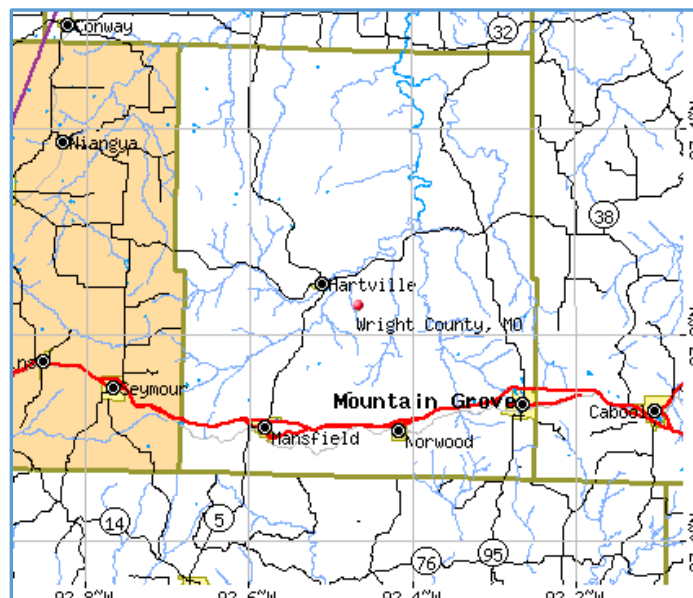
According to the U.S. Census Bureau, the county has a total land area of 682 square miles and a total water area of 1.4 square miles. Wright County is bordered by Laclede County on the north; Texas County on the east; Douglas County on the south; and Webster County on the west. Major highways include U.S. Route 60; Route 5; Route 38; and Route 95. A portion of the county is located in the Mark Twain National Forest. The Gasconade River and its tributaries flow through the county.

Hartville, population 613, is the county seat. Other incorporated areas include Mansfield, population 1,296; Mountain Grove, population 4,789, and Norwood, population 665. The population density is 27.6 people per square mile, and the total population is 18,286. The March 2016 cost of living index was 78.4 (low).

Wright County is a part of Missouri's 144th Legislative District and Missouri's 33rd Senatorial District. In the U.S. House of Representatives, Howell County is part of Missouri's 8th Congressional District.

According to Bureau of Labor Statistics (BLS) June 2016 estimates, there were 6,583 jobs in Wright County. Production and Transportation accounted for more than 19.2 percent of the total jobs (1,264). Management accounted for 24.8 percent of all jobs (1,631). State and local government (940), manufacturing (895), and Agriculture (634) were the next largest industries for this county.

**Figure 1.10 Wright County Map**





## Region G

Located in rural Southern Missouri, the Region G service area is comprised of nine counties. According to the 2016 Missouri Census estimates, the nine counties have a population of 138,446 residents and cover a geographical area of 7,454.35 square miles. The population per square mile averages 18.44 and ranges from 8.3 in Reynolds County to 43.6 per square mile in Howell County. Table 1.1 compares the counties by population, land area, median household income, and percentage of persons below poverty.

State Population, as of July 01, 2016	6,093,000
Land Area (sq. miles), 2010	68,741.52
Median Household Income, 2015	48,173
Persons below Poverty, 2015	14.8%

**Table 1.1 Comparisons of Counties**

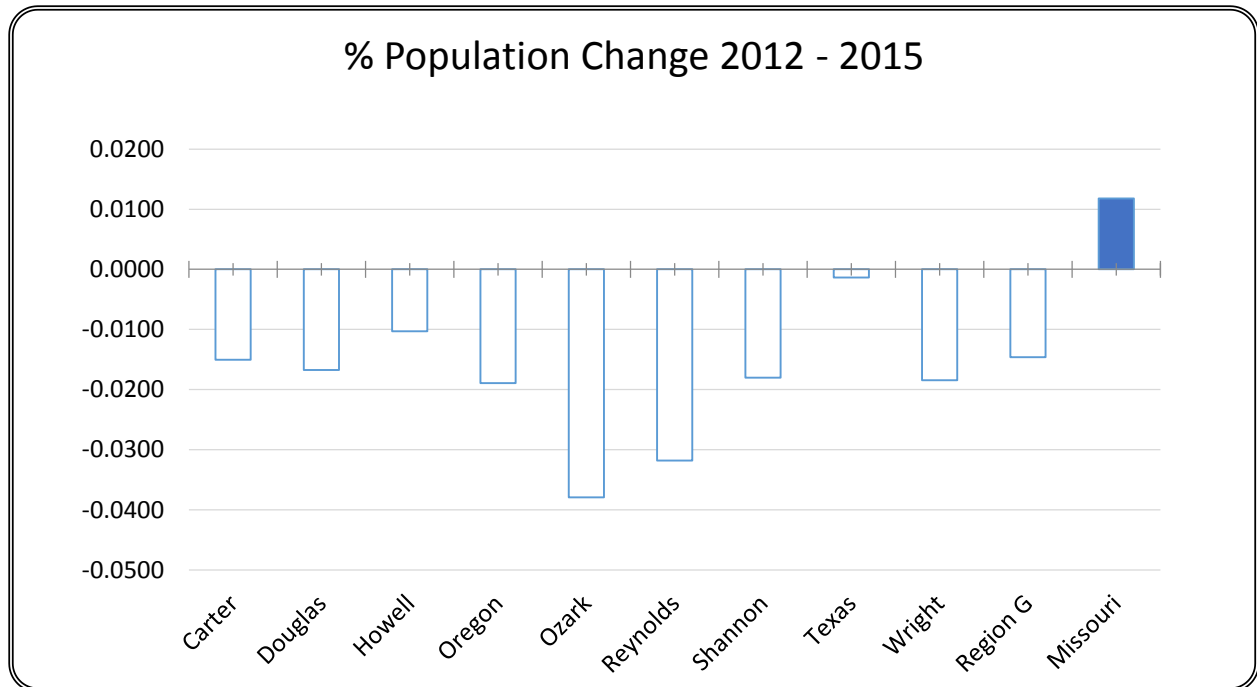
<b>Carter</b>	<b>Reynolds</b>
Population, 2016 .....6,168	Population, 2016..... 6,455
Land Area (sq. miles)..... 507.36	Land Area (sq. miles).....808.48
Median Household Income...33,034	Median Household Income.....35,648
Persons below Poverty..... 21.4%	Persons below Poverty .....21.5%
<b>Douglas</b>	<b>Shannon</b>
Population, 2016 .....13,358	Population, 2016..... 8,168
Land Area (sq. miles).....813.63	Land Area (sq. miles)..... 1,003.82
Median Household Income...30,508	Median Household Income .. 32,404
Persons below Poverty..... 23.1%	Persons below Poverty .....23.9%
<b>Howell</b>	<b>Texas</b>
Population, 2016..... 40,210	Population, 2016..... 25,775
Land Area (sq. miles).....927.25	Land Area (sq. miles)..... 1,177.27
Median Household Income...32,784	Median Household Income .. 35,088
Persons below Poverty..... 19.9%	Persons below Poverty .....23.3%
<b>Oregon</b>	<b>Wright</b>
Population, 2016 ..... 10,789	Population, 2016..... 18,286
Land Area (sq. miles).....789.80	Land Area (sq. miles).....681.77
Median Household Income.. 29,851	Median Household Income .. 29,778
Persons below Poverty..... 24.7%	Persons below Poverty .....24.1%
<b>Ozark</b>	
Population, 2016.....9,237	
Land Area (sq. miles)..... 744.97	
Median Household Income.... 31,399	
Persons below Poverty..... 27.7%	

**Source:** U.S. Census Bureau

## Population

U. S. Census estimates indicate the population of Region G decreased by 0.0146%, from 140,498 persons in 2012 to 138,446 persons by July 01, 2016. Population change is shown in Table 1.2.

**Figure 1.11: Population**



**Table 1.2: Population Change**

County	Census 2012 Population	Estimated 2016 Population	Population Change	% Change
Carter	6,262	6,168	-94	-0.0150
Douglas	13,585	13,358	-227	-0.0167
Howell	40,629	40,210	-419	-0.0103
Oregon	10,997	10,789	-208	-0.0189
Ozark	9,601	9,237	-364	-0.0379
Reynolds	6,667	6,455	-212	-0.0318
Shannon	8,318	8,168	-150	-0.0180
Texas	25,810	25,775	-35	-0.0014
Wright	18,629	18,286	-343	-0.0184
Region G	140,498	138,446	-2,052	-0.0146
Missouri	6,021,988	6,093,000	71,012	0.0118

**Source:** U.S. Census Bureau. Population, Population Change and Estimated Components of Population Change: April 1, 2010 to July 1, 2016.

## Age and Gender

According to U.S. Census estimates, children under 15 years of age make up 19% of the population of the nine-county area. Persons in the 15 to 24 age group constitute 11% of the population, while those in the 25 to 44 age group make up 22% of the Region G population. Individuals in the adult 45 to 64 age group represent 28% of the total population. Adults between 65 and 84 comprise 18% of the area population, and adults 84 and over represent 2% of the population.

Figure 1.12 Ages, 2015

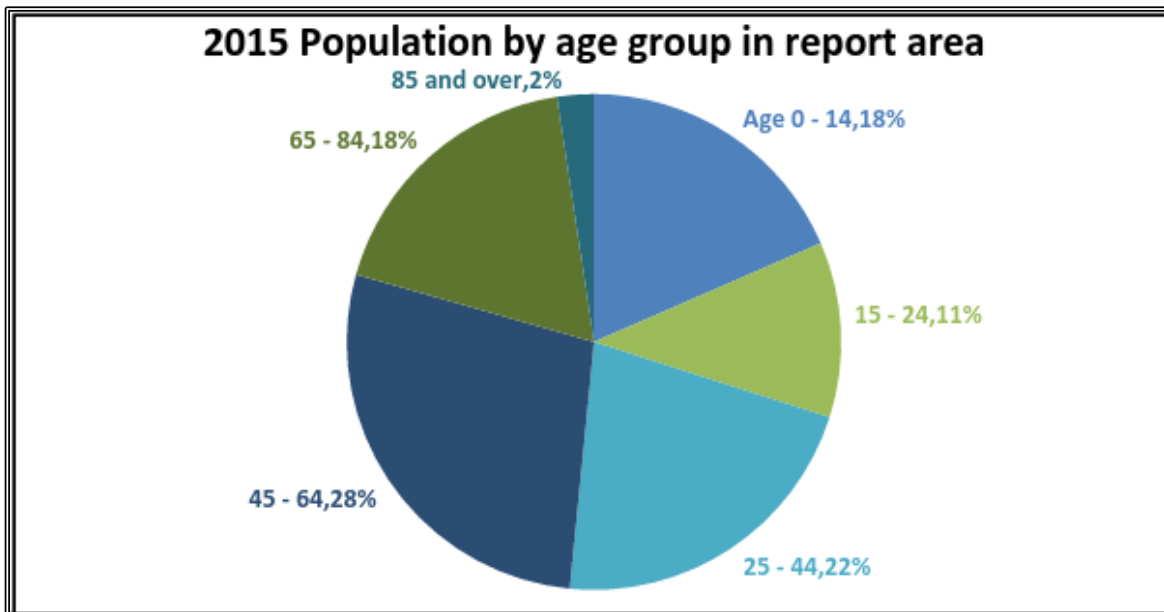


Table 1.3 Population Estimates by Age and Gender, 2015

County	Age 0 - 14		15 - 24		25 - 44		45 - 64		65 - 84		85 and over	
	M	F	M	F	M	F	M	F	M	F	M	F
Carter	586	657	364	360	687	709	861	883	482	544	48	82
Douglas	1193	1141	706	646	1300	1316	1961	2003	1339	1393	120	255
Howell	3800	3825	2476	2391	4613	4708	5033	5429	3077	3544	300	649
Oregon	1057	1025	609	605	1032	1055	1543	1578	1058	1132	89	170
Ozark	733	705	479	419	842	863	1401	1376	1149	1129	88	162
Reynolds	545	493	397	286	667	693	959	910	684	639	43	116
Shannon	755	725	473	480	871	843	1239	1216	719	800	40	97
Texas	2328	2211	1705	1324	3322	2631	3673	3428	2214	2321	243	381
Wright	1919	1923	1116	1021	1910	1952	2538	2538	1414	1622	157	283
Region G	12916	12705	8325	7532	15244	14770	19208	19361	12136	13124	1128	2195

**Source:** U.S. Census Bureau. Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States, Counties, and Puerto Rico Commonwealth and Municipios: April 1, 2010 to July 1, 2015

## Age Distribution

The age of the population is a demographic characteristic affecting the delivery of health care services. A lower percentage of the population in Region G is under 18 years of age and a higher percentage of the population is over age 65. The percentage of the Region G population under age 18 is 23.3%. In comparison, 22.8% of the population of Missouri and 23.0% of the population of the United States is under age 18. People, age 65 and older account for 21.0% of the Region G population, 15.7% of the state population, and 14.9% of the U. S. population. Table 1.4 shows the age distribution for the population in 2016. Table 1.5 compares Region G, state, and national estimates.

**Table 1.4 Age Distribution, 2016**

County	Census 2016 Population	Persons under 5 years	Persons under 18 years	Persons 65 years +
Carter	6,168	404	1,513	1,156
Douglas	13,358	761	2,821	3,107
Howell	40,210	2,564	9,587	7,570
Oregon	10,789	690	2,515	2,449
Ozark	9,237	428	1,827	2,528
Reynolds	6,455	310	1,311	1,482
Shannon	8,168	439	1,828	1,656
Texas	22,775	1,462	5,547	5,069
Wright	18,286	1,175	4,612	3,476
Region G	135,446	8,233	31,561	28,493
Missouri	6,093,000	374,360	1,391,476	954,922

**Table 1.5 Population Estimates by Age Comparisons in Percent, 2016**

County	Region G	Missouri	United States
Population, 2016	135,446	6,093,000	320,090,857
Persons under 5 years old	5.7	6.1	6.2
Persons under 18 years old	22.3	22.9	23.0
Persons 65 and older	21.3	15.7	14.9

**Source:** Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States, Counties, and Puerto Rico Commonwealth and Municípios: April 1, 2010 to July 1, 2015; 2015 Population Estimates

## Marital Status

According to the 2015 Census, the population age 15 years and over in Region G was 133,089. Table 1.6 compares the marital status in Region G to Missouri as a whole.

**Table 1.6 Marital Statuses in Missouri, 2015**

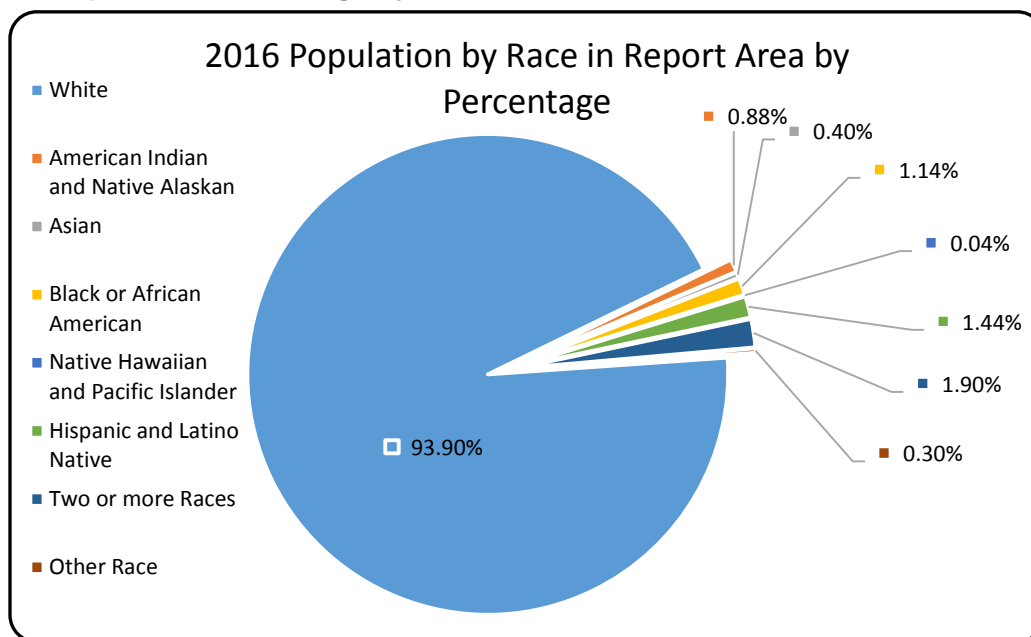
Marital Status	Region G		Missouri	
	Number	Percent	Number	Percent
Population 15 years and over	133,089	96.1	4,884,096	80.2
Never Married	29,172	21.9	1,463,199	30.0
Female	12,034	41.3	682,959	46.7
Male	17,138	58.4	780,240	53.3
Married	73,690	55.4	2,512,538	51.4
Separated	3,034	4.1	92,128	3.7
Widowed	10,796	8.1	312,511	6.4
Female	8,342	77.3	245,463	78.5
Male	2,454	22.7	68,048	21.8
Divorced	19,431	14.6	595,848	12.2
Female	9,797	50.1	329,698	55.3
Male	9,634	49.6	266,150	44.7

**Source:** U.S. Census Bureau, 2011-2015 American Community Survey 5-Year Estimates

## Race Analysis

According to U.S. Census population estimates, white persons comprise 93.9% of the Region G population, black and African American persons represent 1.14%, American Indian and Alaskan persons combine for 0.88%, Asian persons represent 0.40%, Hawaiian and Pacific natives represent 0.04%, and Hispanic and Latino natives comprise 1.44%. Persons identifying themselves as two or more mixed races made up 1.9% of the total Region G population and those identified as other races combined as 0.30%. Population numbers by race from 2016 data are shown in Table 1.7.

**Figure 1.13 Population Percentage by Race**



**Table 1.7 Population Numbers by Race, 2016**

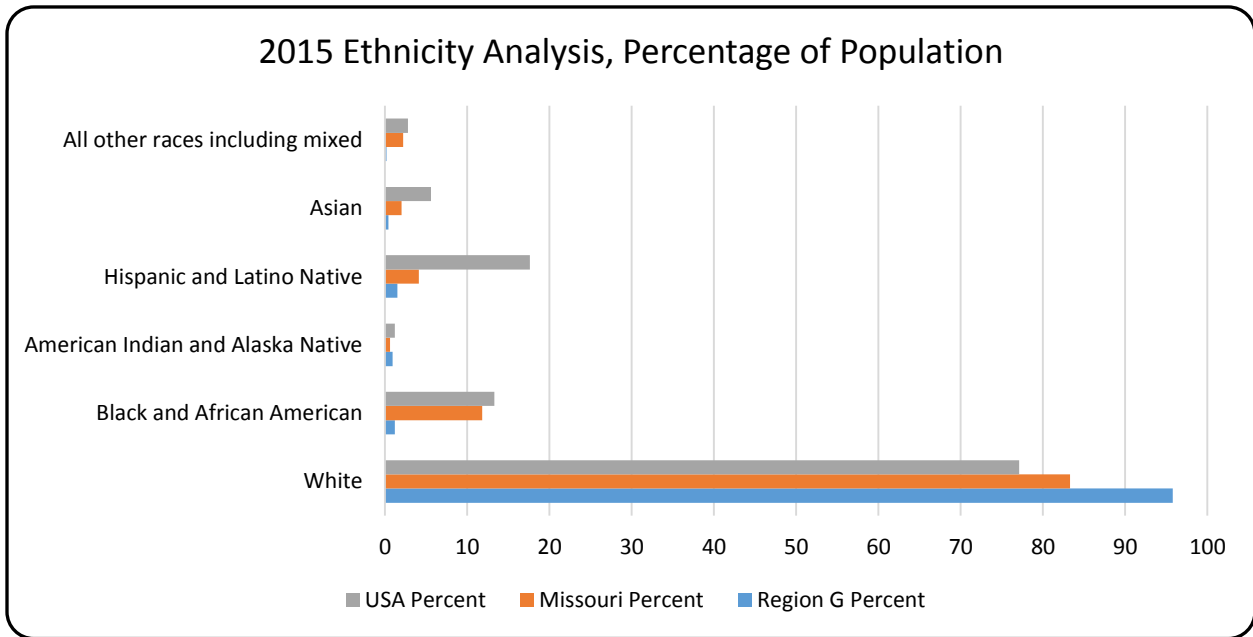
County	White	American Indian and Native Alaskan	Asian	Black or African American	Native Hawaiian and Pacific Islander	Hispanic and Latino Native	Two or more Races	Other Race
Carter	6,034	74	9	33	2	119	111	25
Douglas	12,916	91	53	53	1	165	259	17
Howell	38,610	326	257	216	14	785	694	202
Oregon	10,428	161	42	72	9	157	241	10
Ozark	9,112	86	12	33	1	161	165	26
Reynolds	6,152	64	12	52	1	97	151	16
Shannon	7,899	91	22	34	1	147	211	37
Texas	23,852	222	92	981	18	425	554	56
Wright	17,669	124	65	136	11	238	305	30
Region G	132,672	1,239	564	1,610	58	2,036	2,691	419
Missouri	5,776,457	24,179	98,340	689,391	5,848	232,000	102,732	86,221

**Source:** U.S. Census Bureau, QuickFacts, Populations Estimates, July 01, 2016

## Ethnicity Analysis

The ethnicity of the Region G population is compared to the population of Missouri and the United States in Table 1.8.

**Figure 1.14 Ethnicity Analysis, Percent of Population, July 2015**



**Table 1.8 Ethnicity Analysis, Percent of Population, July 2015**

Race	Region G Percent	Missouri Percent	USA Percent
White	95.77	83.30	77.10
Black and African American	1.18	11.80	13.30
American Indian and Alaska Native	0.91	0.60	1.20
Hispanic and Latino Native	1.50	4.10	17.60
Asian	0.42	2.00	5.60
All other races including mixed	0.19	2.20	2.80

**Source:** U.S. Census Bureau, QuickFacts Race and Hispanic Origin, July 01, 2015

## Public School Districts

Region G includes all or parts of 40 public school districts. Enrollment and dropout rate are shown, by school district, in Table 1.9.

**Table 1.9 2015 - 2016 School Districts**

Primary County	School Districts	Cities Served	2017 Enrollment	*2015 Total Dropout Rate (9-12)
Carter	East Carter Co. R-II	Ellsinore	712	0
	<b>Van Buren R-I</b>	<b>Van Buren</b>	<b>517</b>	<b>0</b>
	<b>Winona R-III</b>	<b>Winona</b>	<b>432</b>	<b>0</b>
Douglas	Ava R-I	Ava	1265	0.5
	<b>Cabool</b>	<b>Cabool</b>	<b>777</b>	<b>0.4</b>
	<b>Dora R-III</b>	<b>Dora</b>	<b>328</b>	<b>0</b>
	<b>Gainesville R-V</b>	<b>Gainesville</b>	<b>618</b>	<b>0.5</b>
	<b>Mansfield R-IV</b>	<b>Mansfield</b>	<b>660</b>	<b>0</b>
	<b>Mountain Grove R-III</b>	<b>Mountain Grove</b>	<b>1415</b>	<b>0</b>
	<b>Norwood R-I</b>	<b>Norwood</b>	<b>375</b>	<b>0</b>
	<b>Willow Springs R-IV</b>	<b>Willow Springs</b>	<b>1318</b>	<b>0</b>
	Plainview R-VIII	Ava	89	0
	Skyline R-II	Norwood	85	0
Howell	<b>Bakersfield R-IV</b>	<b>Bakersfield</b>	<b>343</b>	<b>0.9</b>
	<b>Fairview R-XI</b>	<b>West Plains</b>	<b>455</b>	<b>0</b>
	Glenwood R-VIII	West Plains	258	0
	Howell Valley R-I	West Plains	205	0
	Junction Hill C-12	West Plains	205	0
	<b>Oregon-Howell R-III</b>	<b>Koshkonong</b>	<b>243</b>	<b>0.9</b>
	<b>Mountain View-Birch Tree R-III</b>	<b>Mountain View</b>	<b>1165</b>	<b>0.3</b>
	Richards R-V	West Plains	386	0
	West Plains R-VII	West Plains	2472	1.4
	<b>Willow Springs R-IV</b>	<b>Willow Springs</b>	<b>1318</b>	<b>0</b>
Oregon	Alton R-IV	Alton	655	0
	Couch R-I	Myrtle	213	0
	<b>Oregon-Howell R-III</b>	<b>Koshkonong</b>	<b>243</b>	<b>0.9</b>
	Thayer R-II	Thayer	683	0.5
	<b>Winona R-III</b>	<b>Winona</b>	<b>432</b>	<b>0</b>
Ozark	<b>Ava R-1</b>	<b>Ava</b>	<b>1265</b>	<b>0.5</b>
	<b>Bakersfield R-IV</b>	<b>Bakersfield</b>	<b>343</b>	<b>0.9</b>
	<b>Dora R-III</b>	<b>Dora</b>	<b>328</b>	<b>0</b>



	<b>Fairview R-XI</b>	<b>West Plains</b>	<b>455</b>	<b>0</b>
	<b>Gainesville R-V</b>	<b>Gainesville</b>	<b>618</b>	<b>0.5</b>
	Lutie R-VI	Theodosia	141	0
	Thornfield R-I	Thornfield	52	0
Reynolds	<b>Bunker R-III</b>	<b>Bunker</b>	<b>251</b>	<b>0</b>
	Centerville R-I	Centerville	53	0
	Lesterville R-IV	Lesterville	241	1.9
	South Iron County R-1	Annapolis	313	0
	Southern Reynolds Co. R-II	Ellington	483	0
	<b>Van Buren R-1</b>	<b>Van Buren</b>	<b>517</b>	<b>0</b>
Shannon	<b>Bunker R-III</b>	<b>Bunker</b>	<b>251</b>	<b>0</b>
	Eminence R-I	Eminence	264	0
	<b>Mountain View - Birch Tree R-III</b>	<b>Mountain View</b>	<b>1165</b>	<b>0.3</b>
	Oak Hill R-I	Salem	142	0.0
	Southern Reynolds County R-IV	Ellington	510	2.2
	<b>Summersville R-II</b>	<b>Summersville</b>	<b>407</b>	<b>0.9</b>
	<b>Winona R-III</b>	<b>Winona</b>	<b>432</b>	<b>0</b>
Texas	<b>Cabool R-IV</b>	<b>Cabool</b>	<b>777</b>	<b>0.4</b>
	Houston R-I	Houston	1020	3.7
	Licking R-VIII	Licking	879	0.3
	<b>Mountain Grove R-III</b>	<b>Mountain Grove</b>	<b>1415</b>	<b>0</b>
	<b>Mountain View - Birch Tree R-III</b>	<b>Mountain View</b>	<b>1165</b>	<b>0.3</b>
	<b>Plato R-V</b>	<b>Plato</b>	<b>575</b>	<b>1.1</b>
	Raymondville R-VII	Raymondville	145	0
	Success R-VI	Success	100	0
	<b>Summersville R-II</b>	<b>Summersville</b>	<b>407</b>	<b>0.9</b>
	<b>Willow Springs R-IV</b>	<b>Willow Springs</b>	<b>1318</b>	<b>0</b>
Wright	<b>Ava R-1</b>	<b>Ava</b>	<b>1265</b>	<b>0.5</b>
	Hartville R-II	Hartville	1020	1
	Laclede County R-I	Conway	851	2.2
	Manes R-V	Mountain Grove	45	0
	<b>Mansfield R-IV</b>	<b>Mansfield</b>	<b>660</b>	<b>0</b>
	<b>Mountain Grove R-III</b>	<b>Mountain Grove</b>	<b>1415</b>	<b>0</b>
	<b>Norwood R-I</b>	<b>Norwood</b>	<b>374</b>	<b>0</b>
	<b>Plato R-V</b>	<b>Plato</b>	<b>575</b>	<b>1.1</b>

\* All drop-out students were White. No other ethnicities reported.

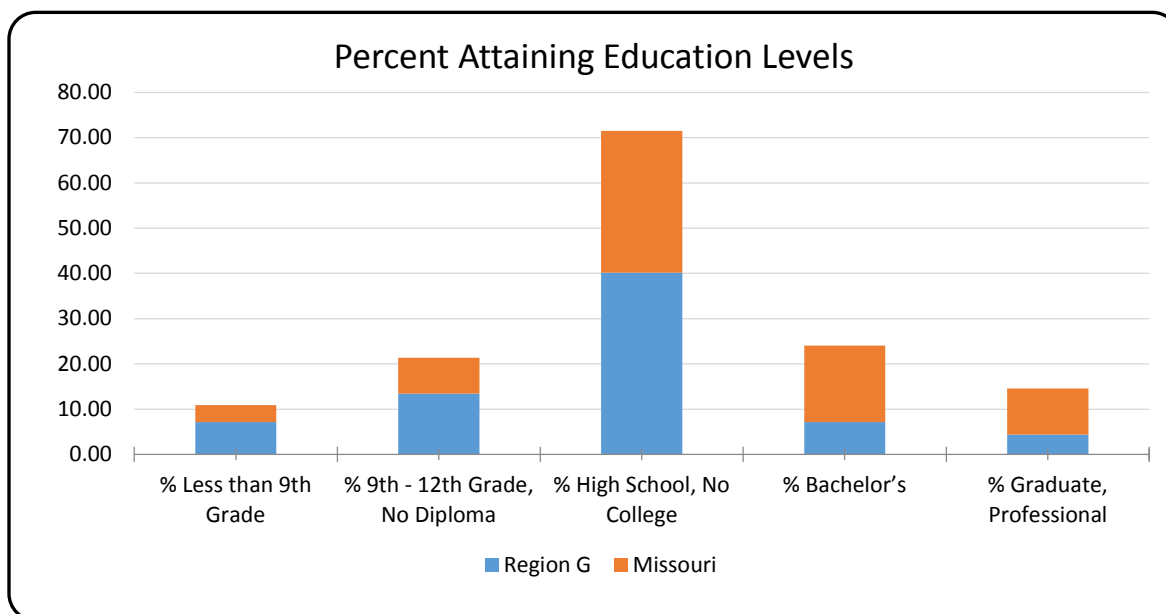
\*\* Bold Type are accounted for in more than (1) Region G County

**Source:** Missouri Department of Elementary and Secondary Education, Missouri Comprehensive Data System, 2017

## Educational Attainment

According to the U.S. Census Bureau and the American Community 2011 – 2015 Survey, approximately 20.58% of Region G residents age 25 or older had less than a high school diploma compared to 11.6% of Missourians in 2015. Table 1.10 compares county, region, and state educational attainment levels.

**Figure 1.15 Educational Attainment**



**Table 1.10 Percent Attaining Educational Levels**

County	% Less than 9th Grade	% 9th - 12th Grade, No Diploma	% High School, No College	% Bachelor's	% Graduate, Professional
Carter	7.4	14.2	31.3	7.2	4.1
Douglas	6.4	14.4	42.4	5.8	3.4
Howell	5	10.7	39	8.2	6.8
Oregon	7.2	11.3	39.6	6.7	4.3
Ozark	10.95	16.03	43.06	4.96	3.37
Reynolds	7.6	15.9	44	5.7	2.4
Shannon	6.3	12.3	37.9	9.4	5.7
Texas	5.2	12.2	43.8	8.9	4.1
Wright	8.4	13.9	40.8	7.2	5.2
Region G	7.16	13.44	40.21	7.12	4.37
Missouri	3.7	7.9	31.3	16.9	10.2

**Source:** U.S. Census Bureau, 2011-2015 American Community Survey 5-Year Estimates

## Dropout Rates

According to Missouri Kids Count, the high school dropout rate ranged from 0% in Carter County to 1.2% in Howell County, during 2015.

**Table 1.11 Comparison of Dropout Rates, 2011 – 2015**

County	2011	2015	Number of Dropouts
Carter	1.4	0.0	0
Douglas	0.4	0.2	1
Howell	2.9	1.2	23
Oregon	0.4	0.2	1
Ozark	1.1	0.2	1
Reynolds	0.6	0.0	0
Shannon	0.0	0.4	1
Texas	1.4	0.4	5
Wright	0.6	0.1	1
Missouri	3.5	2.1	5458

## Cohort Graduation Rates

Missouri Kids Count reports the Region G graduation rates increased from 94.6 percent in 2012 to 96.1 percent in 2015.

**Table 1.12 Percent Attaining Educational Levels**

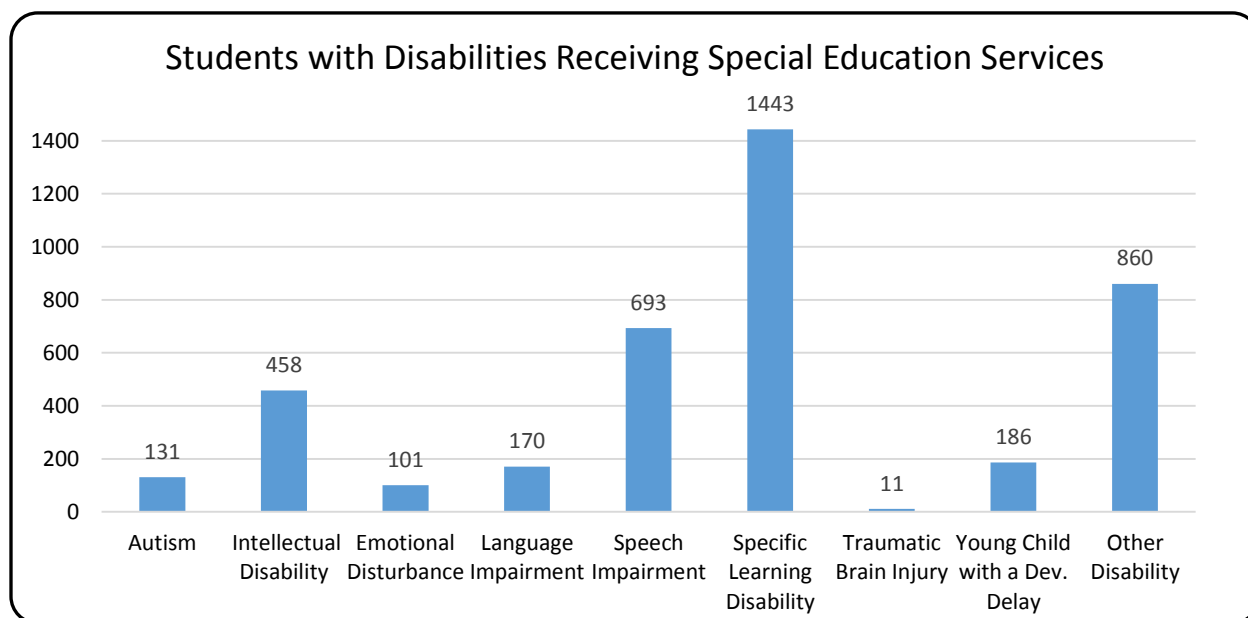
County	2012	2015
Carter	91.9	96.4
Douglas	91.4	95.3
Howell	89.1	93.5
Oregon	97.3	96.3
Reynolds	96.1	92.8
Ozark	96.8	98.6
Shannon	98.7	98.3
Texas	92.5	95.7
Wright	97.9	98.3
Region G (Avg)	94.6	96.1
Missouri	81.9	90.2

**Source:** Missouri Kids Count, 2015 Data Book.

## Children with Disabilities Receiving Special Education Services

According to the Missouri Department of Elementary and Secondary Education, 4,053 students with disabilities received special education services in March 2016, with a range of 116 in Shannon County to 1,248 in Howell County. The number of students with disabilities receiving special education services by disability type is shown in Table 1.13.

**Figure 1.16 Children with Disabilities Receiving Special Education Services, 2016**



**Table 1.13 Students with Disabilities Receiving Special Education Services, March 2017**

County	Autism	Intellectual Disability	Emotional Disturbance	Language Impairment	Speech Impairment	Specific Learning Disability	Traumatic Brain Injury	Young Child with a Dev. Delay	Other Disability	Total
Carter	11	16	0	23	38	87	0	12	54	241
Douglas	15	19	11	13	46	80	0	25	64	273
Howell	88	185	63	29	177	359	11	96	240	1248
Oregon	0	58	0	0	66	112	0	0	110	346
Ozark	3	0	0	11	46	290	0	0	65	415
Reynolds	0	11	15	0	23	53	0	0	49	151
Shannon	0	16	0	0	17	70	0	0	13	116
Texas	0	74	0	56	143	184	0	19	192	668
Wright	14	79	12	38	137	208	0	34	73	595
Region G	131	458	101	170	693	1443	11	186	860	4053
Missouri	14168	9465	6437	10037	21532	29975	560	10,548	23,088	125,810

Source: [Missouri Department of Elementary & Secondary Education, Special Education Data Category, March 29, 2016.](#)

## First Steps Program

First Steps offers services and assistance to young children with special needs and. The program is designed for children, birth to age 3, who have delayed development or diagnosed conditions that are associated with developmental disabilities. According to the Missouri Department of Elementary and Secondary Education, the average participation rate in Region G area was 2.66%, compared to the statewide rate of 2.9%. The number of children participating in the First Step Program and the participation rate for each age group in the Region G area in March 2017 is shown in Table 1.14.

Figure 1.17 First Step Program

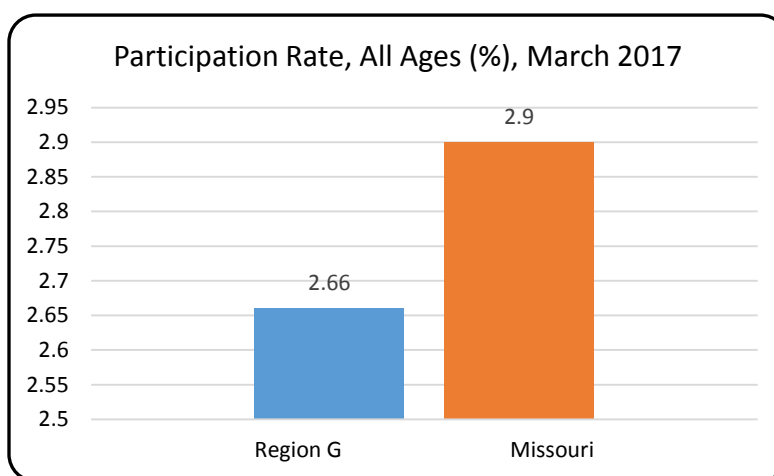


Table 1.14 Participation in the First Steps Program, March 2017

<b>Southeast Region 10</b>	<b>Age 0-1 (#)</b>	<b>Rate: Age 0-1</b>	<b>Age 1-2 (#)</b>	<b>Rate: Age 1-2</b>	<b>Age 2-3 (#)</b>	<b>Rate: Age 2-3</b>	<b>All Ages Total (#)</b>	<b>Rate: All Ages</b>
<i>Includes Carter, Howell, Oregon, Reynolds, Shannon</i>	40	1.32	126	2.32	220	4.02	413	2.57
<b>South Central Region 8</b>	<b>Age 0-1 (#)</b>	<b>Rate: Age 0-1</b>	<b>Age 1-2 (#)</b>	<b>Rate: Age 1-2</b>	<b>Age 2-3 (#)</b>	<b>Rate: Age 2-3</b>	<b>All Ages Total (#)</b>	<b>Rate: All Ages</b>
<i>Includes Douglas, Ozark, Texas, Wright</i>	127	2.75	207	2.62	312	4.03	646	2.75
<b>Region G</b>	<b>Age 0-1 (#)</b>	<b>Rate: Age 0-1</b>	<b>Age 1-2 (#)</b>	<b>Rate: Age 1-2</b>	<b>Age 2-3 (#)</b>	<b>Rate: Age 2-3</b>	<b>All Ages Total (#)</b>	<b>Rate: All Ages</b>
<i>All Counties</i>	167	2.04	333	2.47	532	4.03	1059	2.66
<b>Missouri</b>	998	2.9	2097	1.33	3421	4.59	5416	2.9

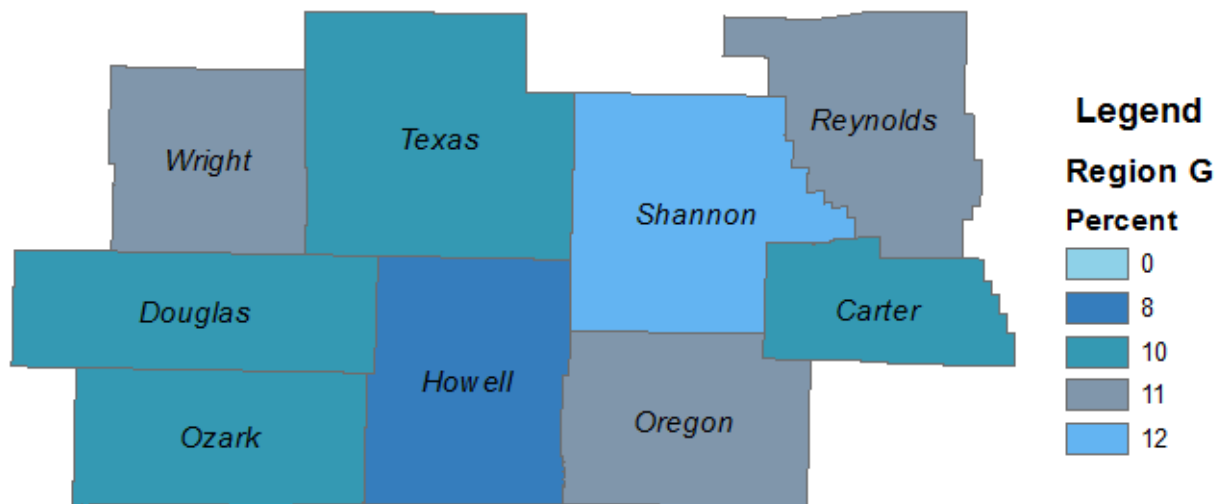
**Source:** Missouri Department of Elementary and Secondary Education, Division of Special Education, SPOE Data Report, December 2016.

## Basic Prose Literacy Skills

The nine counties in Region G have a higher percentage of residents lacking basic prose literacy skills than the percentage among other Missourians. Four of the nine counties fall into the highest category in Missouri for residents lacking basic prose literacy skills (Wright 11%, Shannon 12%, Oregon 11%, and Reynolds 11%). Ten percent of residents of Douglas, Ozark, Texas, and Carter County and 8% of Howell County residents are reported to lack basic prose literacy skills. The term, lacking basic prose literacy skills, is defined by the National Center for Education Statistics as unable to do much more than sign a form or search a simple document to find out what they are allowed to drink before a medical test.

Figure 1.18

### Percent of Adults in Region G Lacking Basic Prose Literacy Skills - 2003



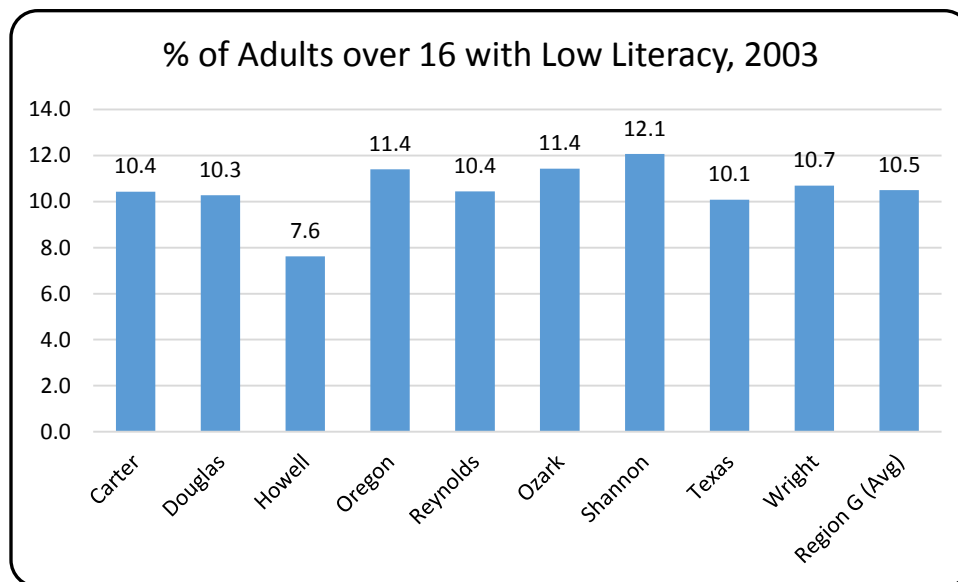
Created on ArcMap; K Necas, 2016

**Source:** U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, *State and County Estimates of Low Literacy, 2003*; Data checked, no updates Dec 15, 2016.

## Adult Literacy

Estimates for adult literacy are developed by the National Center for Education Statistics (NCES) and are based on educational attainment, poverty, and other factors. Table 1.15 compares the percent of population lacking literacy skills by county, region, and state.

**Figure 1.19 Adult Literacy 2015 Population/2003 Literacy Data**



**Table 1.15 Persons Lacking Basic Prose Literacy Skills, 2015 Pop/2003 Literacy Data**

County	Population over 16 (2015)	Percent Lacking Literacy Skills (2003)
Carter	4,917	10.4
Douglas	10,870	10.3
Howell	31,616	7.6
Oregon	8,742	11.4
Reynolds	7,806	10.4
Ozark	5,298	11.4
Shannon	6,672	12.1
Texas	20,819	10.1
Wright	14,182	10.7
Region G (Avg)	12,325	10.5

**Source:** U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, *State and County Estimates of Low Literacy, 2003*; data checked, no updates Dec 15, 2016

## Household Occupancy Characteristics

According to 2015 U.S. Census population reports, family households account for 66.8% of households in Region G; 64.7% of households across Missouri; and 66.1% of households in the U. S. Household characteristics are compared by county in Table 1.16. Region G household characteristics are compared to Missouri and the United States in Table 1.17.

**Table 1.16 Household Occupancy Characteristics Comparison by County, Percent**

County	Carter	Douglas	Howell	Oregon	Ozark	Reynolds	Shannon	Texas	Wright
Household Size									
1-person	27.6	28.0	28.5	33.1	26.7	30.2	28.6	29.8	28.8
2-person	33.7	40.9	37.9	38.4	42.5	37.0	41.5	38.0	36.3
3-person	15.8	13.5	13.2	11.2	11.8	11.1	12.3	15.1	14.7
4-person	22.9	17.6	20.4	17.3	19.0	21.6	17.6	17.0	20.2
Family Household	66.1	69.5	67.2	62.9	69.9	65.9	66.5	66.0	67.0
Married-couple family	48.3	57.2	52.5	50.8	52.5	53.3	54.2	50.6	50.9
Married w/ Own Children	28.8	23.7	28.1	19.9	22.5	25.5	22.7	26.1	26.1
Married w/ Related Children	31.9	26.2	31.3	22.9	27.4	28.3	24.8	28.2	29.7
Married w/ No Children	3.0	2.5	3.1	3.0	4.9	2.8	2.1	2.1	3.6
Other Family	17.8	12.3	14.8	12.1	17.1	12.6	12.3	15.4	16.0
Male, no wife present	4.8	4.2	2.6	4.1	6.3	3.5	2.8	6.0	4.4
Female, no male present	13.0	8.2	12.2	80.0	10.8	9.1	9.5	9.4	11.6
Non-Family Households	33.9	30.5	32.8	37.1	30.4	34.1	33.5	34.0	33.0
Living Alone	27.6	28.0	28.5	33.1	26.7	30.2	28.6	29.8	28.8
Not Living Alone	6.3	2.6	4.3	4.1	3.7	3.9	4.9	4.1	4.2

**Table 1.17 Household Characteristics Comparison by Region, State, and Nation, Percent**

Indicator	Region G	Missouri	United States
Household Size			
1-person	29.0	29.2	27.6
2-person	38.5	35.3	33.7
3-person	13.2	15.1	15.8
4-person	19.3	20.4	22.9
Family Household	66.8	64.7	66.1
Married-couple family	52.3	48.3	48.3
Married w/ Own Children	24.8	27.7	28.8
Married w/ Related Children	37.9	30.3	31.9
Married w/ No Children	3.0	2.7	3.0
Other Family	14.5	16.4	17.8
Male, no wife present	4.3	4.3	4.8
Female, no male present	18.2	12.1	13.0
Non-Family Households	33.3	35.3	33.9
Living Alone	29.0	29.2	27.6
Not Living Alone	4.2	6.1	6.3

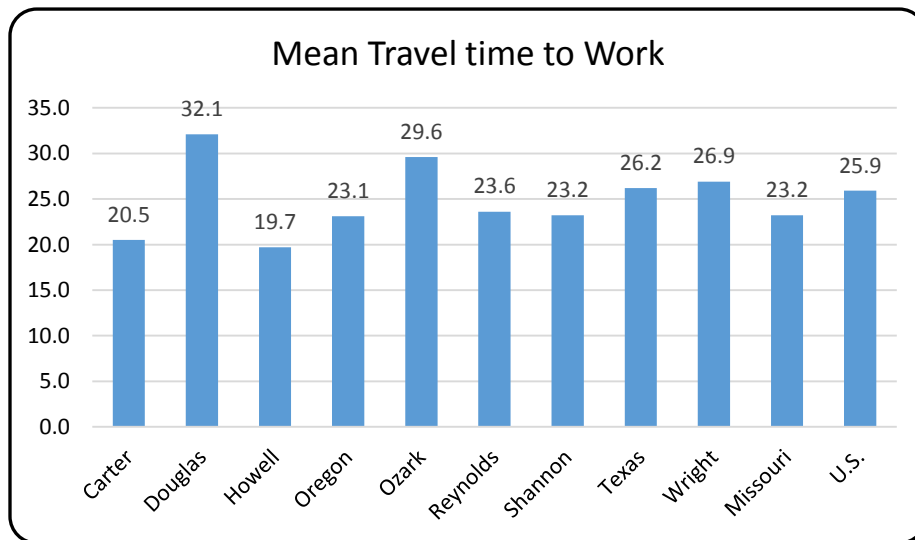


**Source:** U.S. Census Bureau, American Fact Finder, Occupancy Characteristics 2011-2015 American Community Survey 5-Year Estimates

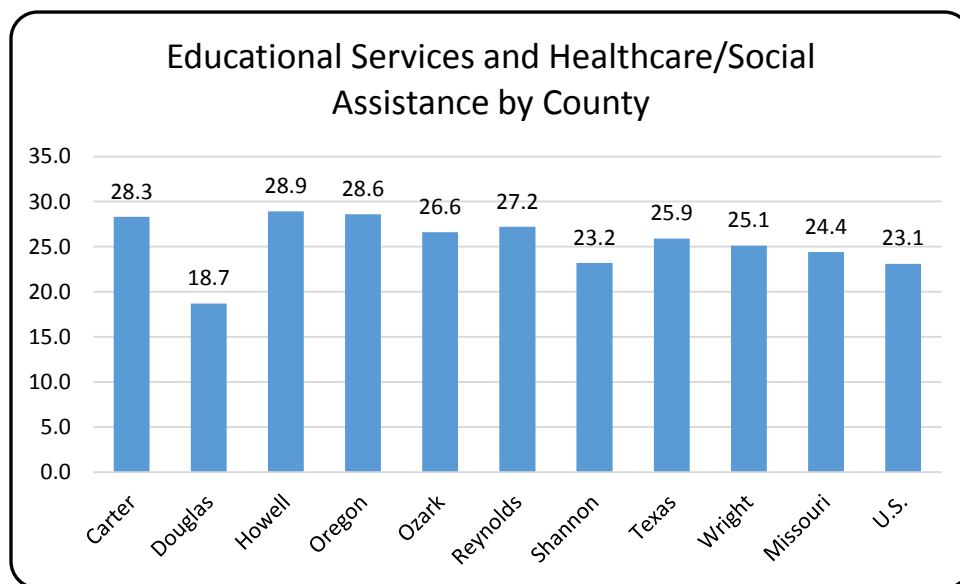
## Economic Analysis

The average travel time for workers in 2015 for Region G is 24.9 minutes, down from 27.2 minutes in 2012. In 2015, Educational services, and healthcare/social assistance was the largest of thirteen major sectors for Missouri (24.4%). Educational Services and healthcare/social assistance was also the largest major sector for all of the Region G Counties.

**Figure 1.20 Mean Travel Time to Work, Minutes**



**Figure 1.21 Educational Services and Healthcare/Social Assistance by County, Percent**

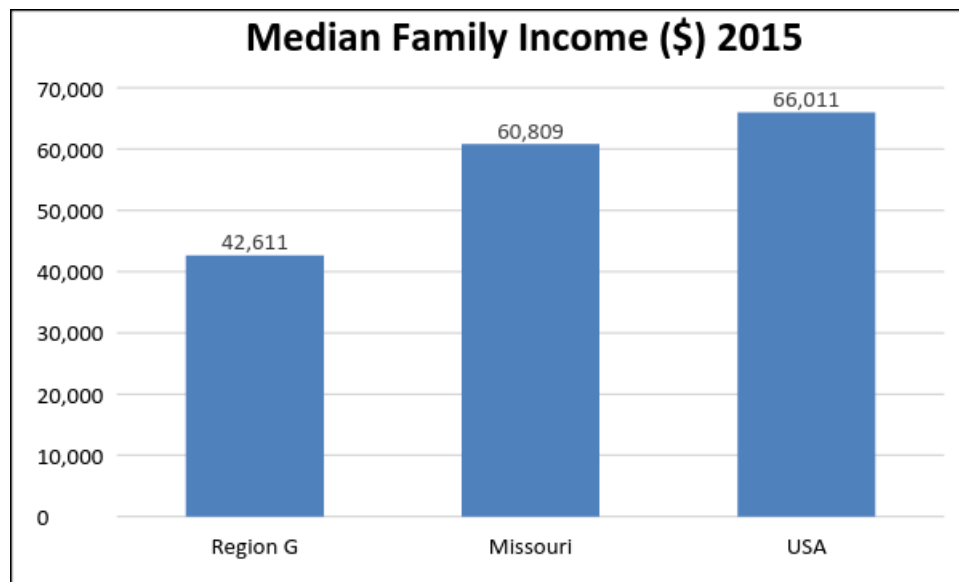


**Source:** U.S. Census Bureau, Comparative Economic Characteristics, 2011-2015 American Community Survey 5-Year Estimates

## Income Characteristics

The median family income for Region G is \$42,611, almost 30% below the state average. The average Region G median family income is 64.6% of the average median family income in the U. S.

**Figure 1.22 Income Characteristics**



**Table 1.18 Median Family Income: Comparison of Region, State, and Nation, 2015**

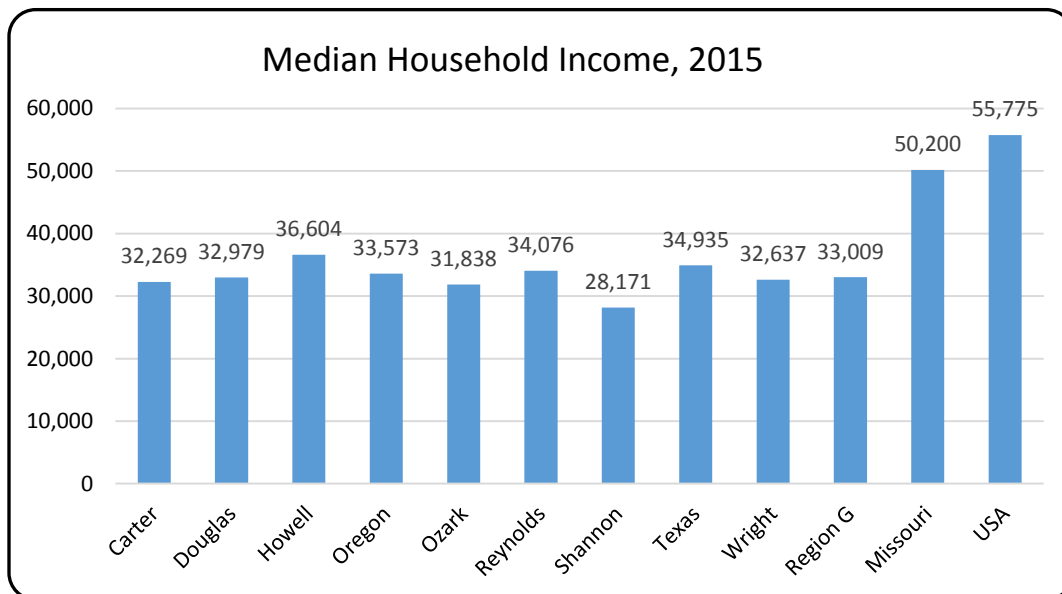
Area	Median Family Income (\$)
Region G	42,611
Missouri	60,809
USA	66,011

**Source:** U.S. Census Bureau, INCOME IN THE PAST 12 MONTHS (IN 2015 INFLATION-ADJUSTED DOLLARS) 2011-2015 American Community Survey 5-Year Estimates

## Household Income

According to the U.S. Census, median annual household incomes ranged from \$28,171 in Shannon County to \$36,604 in Howell County in 2015. Median annual household incomes and ranges in the Region G area are shown in Table 1.19.

**Figure 1.23 Median Annual Household Income 2015**



**Table 1.19 Household Income, Comparison by County 2015**

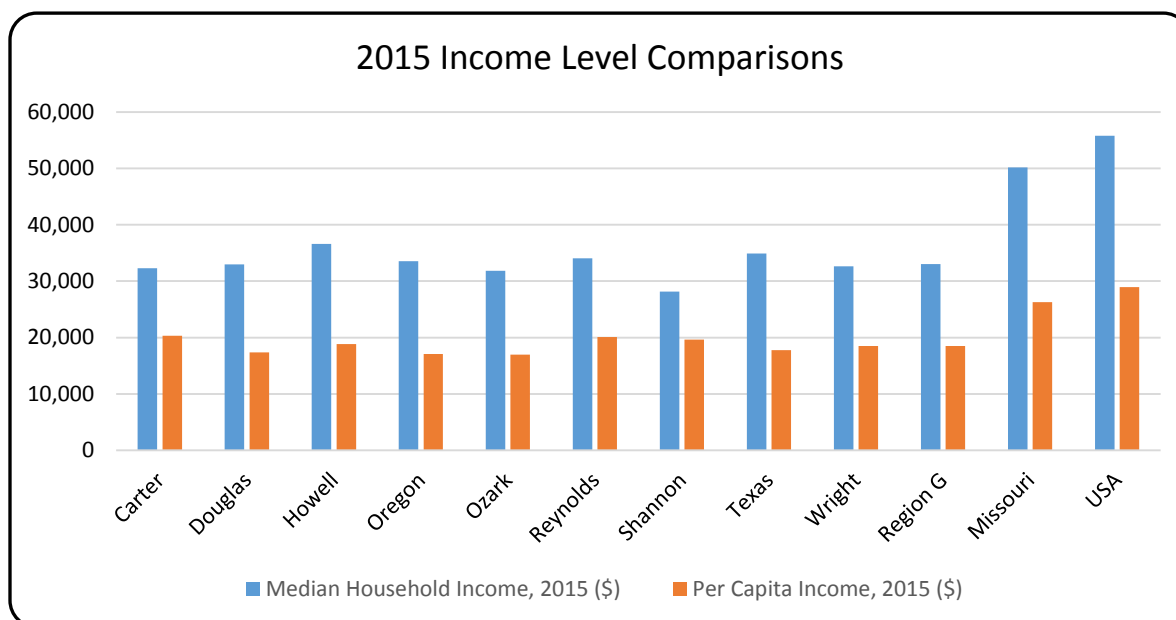
County	Median Household Income, 2015	90% Confidence Interval
Carter	32,269	29,016 - 35,522
Douglas	32,979	29,838 - 36,120
Howell	36,604	33,394 - 39,814
Oregon	33,573	31,451 - 35,695
Ozark	31,838	28,656 - 35,020
Reynolds	34,076	31,115 - 37,037
Shannon	28,171	25,272 - 31,070
Texas	34,935	31,644 - 38,226
Wright	32,637	29,479 - 35,789
Region G	33,009	29,985 - 36,032
Missouri	50,200	49,789 - 50,611
USA	55,775	55,690 - 55,860

**Source:** U.S. Census Bureau, Small Area Income and Poverty Estimates (SAIPE), 2015

## Income Levels

The Median Household Income and Per Capita Income are two common measures of income. Median Household Income is based on U.S. Census Bureau estimates and Per Capita Income is based on U.S. Department of Commerce estimates. In 2015, the average Per Capita Income in Region G is \$18,500 as compared to a statewide average of \$26,259. Both measures are shown in Table 1.20.

**Figure 1.24 Income Levels by County**



**Table 1.20 Income Levels by County**

County	Median Household Income, 2011 (\$)	Median Household Income, 2015 (\$)	Per Capita Income, 2015 (\$)
Carter	26,689	32,269	20,318
Douglas	32,300	32,979	17,343
Howell	35,625	36,604	18,817
Oregon	27,885	33,573	17,070
Ozark	31,992	31,838	16,959
Reynolds	33,382	34,076	20,082
Shannon	31,748	28,171	19,658
Texas	33,128	34,935	17,771
Wright	29,212	32,637	18,481
Region G	31,329	33,009	18,500
Missouri	47,202	50,200	26,259

USA	52,762	55,775	28,930
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Source: U.S. Census Bureau, QuickFacts for Per Capita Income, 2015

## Wages

According to the Missouri Department of Economic Development, the Region G average annual wage was \$26,054 compared to a statewide average of \$45,654, in 2015. Annual wages ranged from \$22,730 in Shannon County to \$32,279 in Howell County. Average hourly and annual wages are shown in Table 1.21.

Figure 1.25 Wages

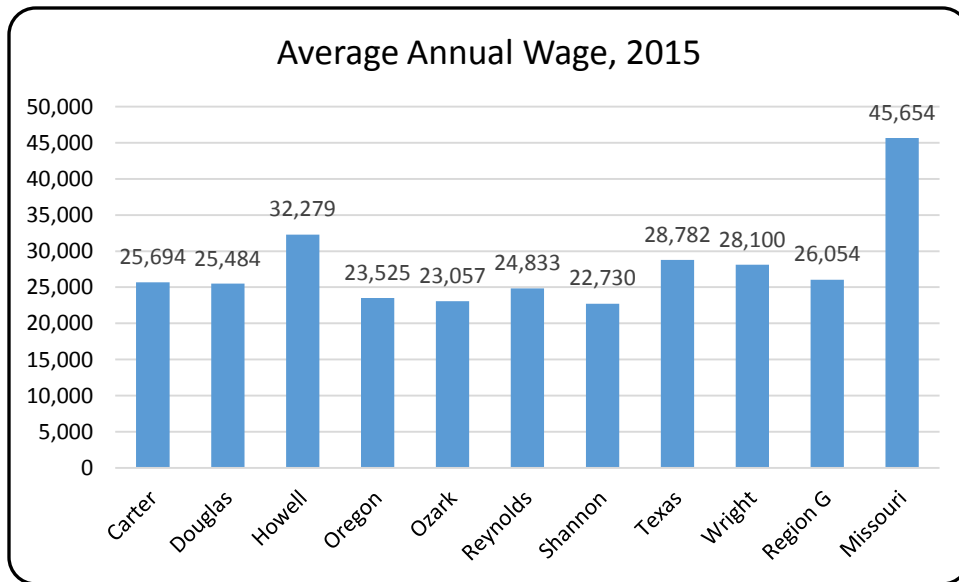


Table 1.21 2015 Average Wages

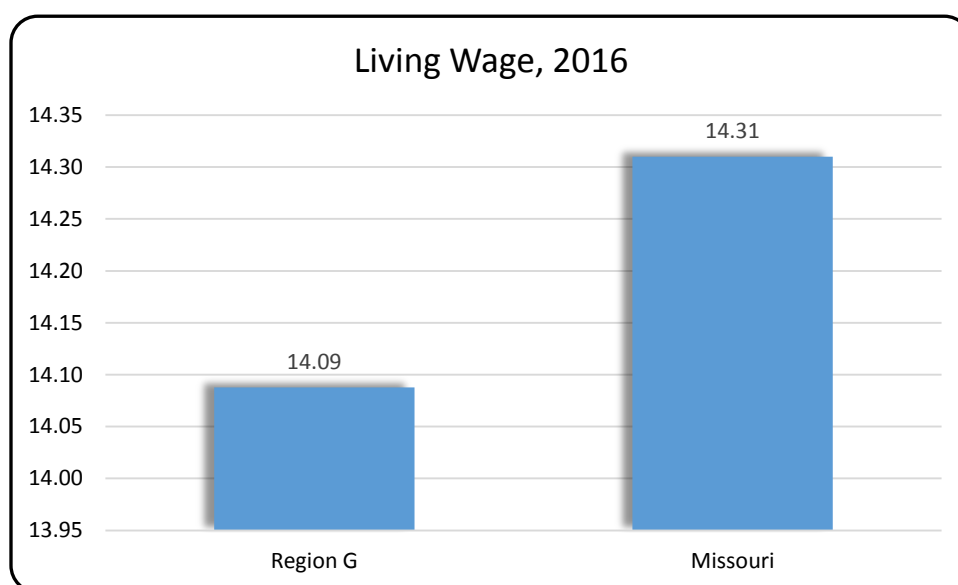
County	Average Hourly Wage, 2012	Average Hourly Wage, 2015	Average Annual Wage, 2015
Carter	11.60	12.35	25,694
Douglas	11.88	12.25	25,484
Howell	14.19	15.52	32,279
Oregon	10.73	11.31	23,525
Ozark	10.44	11.09	23,057
Reynolds	12.16	11.94	24,833
Shannon	9.83	10.93	22,730
Texas	13.27	13.84	28,782
Wright	12.79	13.51	28,100
Region G	11.88	12.53	26,054
Missouri	20.53	21.95	45,654

**Source:** Missouri Department of Economic Development, Missouri Economic Research and Information Center (MERIC), Quarterly Census of Employment and Wages, All Industries, Public and Private, data for calendar year 2015.

## Living Wage

The living wage shown is the hourly rate that an individual must earn to support their family if they are the sole provider and are working full-time (2,080 hours per year). The living wage for a family of four (two adults, two children), in the nine-county Region G area, is \$14.09 per hour as of December 2016. The minimum hourly wage is \$7.65. Hourly living wage, by county, is shown in Table 1.22.

**Figure 1.26 Living Wage, December 2016**



**Table 1.22 By County Hourly Living Wage, December 2016**

County	1 Adult	1 Adult 1 Child	1 Adult 2 Children	2 Adults (1 working) 2 Children	2 Adults (1 working) 3 Children	2 Adults	2 Adults 1 Child	2 Adults 2 Children	2 Adults 3 Children
Carter	10.04	19.92	25.10	23.03	25.56	8.26	11.71	13.86	16.03
Douglas	9.59	19.88	25.06	22.98	25.60	8.00	13.84	16.05	16.05
Howell	9.57	19.88	25.06	22.98	24.91	8.00	11.69	13.84	15.70
Oregon	9.59	19.88	25.06	22.98	24.91	8.14	11.69	13.84	15.70
Ozark	9.59	19.88	25.06	22.98	25.02	8.24	11.69	13.84	15.75
Reynolds	9.59	19.88	25.06	22.98	24.81	8.00	11.69	13.84	15.65
Shannon	9.32	19.88	25.06	22.98	24.81	8.00	11.69	13.84	15.65
Texas	9.32	19.88	25.06	22.98	25.70	8.00	11.69	13.84	16.09
Wright	9.59	19.88	25.06	22.98	25.06	8.00	11.69	13.84	15.78
Region G	9.58	19.88	25.06	22.99	25.15	8.07	11.93	14.09	15.82

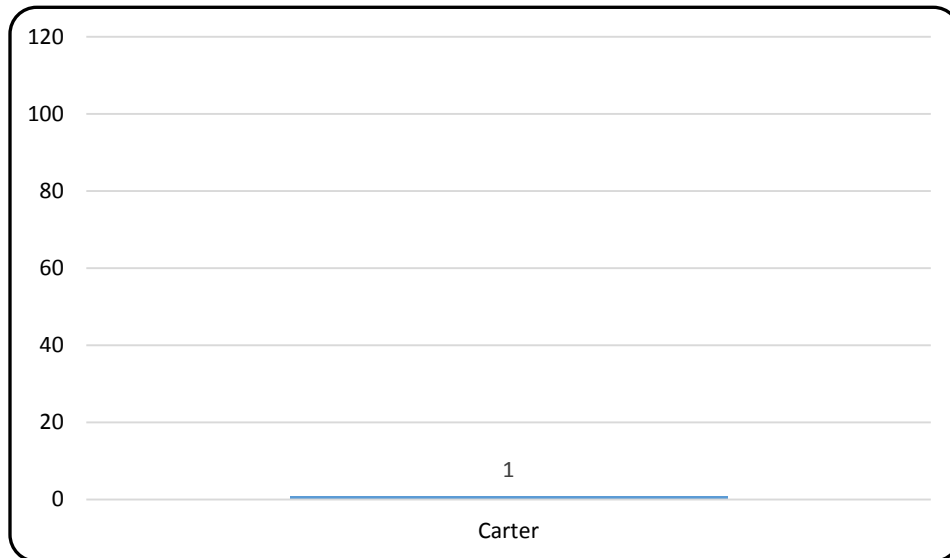
Missouri	10.16	20.82	26.00	23.93	26.52	8.42	12.16	14.31	16.50
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**Source:** Poverty in America, Living Wage Calculator, 2016. (© 2016 Dr. Amy K. Glasmeier and The Pennsylvania State University)

**Temporary Assistance for Needy Families (TANF) - INCOMPLETE (MICA database has had errors for several months)**

The Missouri Department of Health and Senior Services reported that in 2012 a total of 3,379 persons were receiving TANF benefits in Region G. **This is a (-% ....) change from the Region G average in 2009.** The largest number of TANF recipients were in Howell County, while the smallest number of TANF recipients was in Carter County. The number of persons receiving TANF and the number of persons receiving benefits in the population (based on July 2013 population data), in August 2013, are shown in Table 1.23.

**Figure 1.27 TANF**



**Table 1.23 Persons Receiving TANF, July 2013**

County	# of Person Receiving TANF, 2013	# of Persons Receiving TANF, 2016	TANF Persons per Total Population,
Carter	105		
Douglas	307		
Howell	1084		
Oregon	301		
Ozark	129		
Reynolds	128		
Shannon	198		
Texas	556		

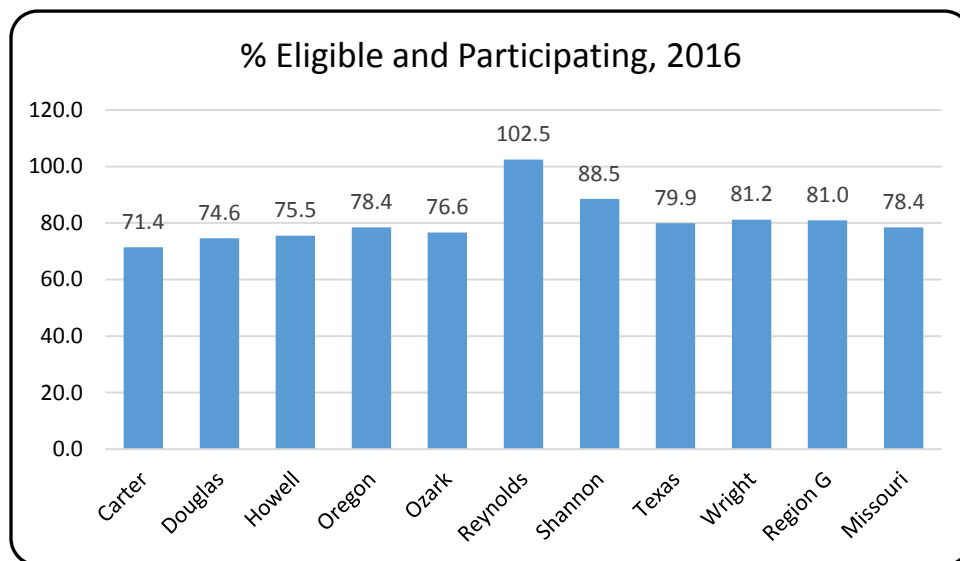
Wright	5871		
Region G	<b>3379</b>		
Missouri	98926		

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA), Temporary Assistance for Needy Families, Persons.

## National School Lunch Program

According to information provided by the Interdisciplinary Center for Food Security, 81.0% of all Region G students participated in the National School Lunch Program in 2016. This is a 1.5 percent drop change from 2013. Similarly, 78.4 percent of Missouri students were eligible and participated in the National School Lunch Program during 2016. The number and percent of students participating in the program are shown in Table 1.24.

**Figure 1.28 Free and Reduced Lunch Program, 2016**



**Table 1.24 Students Participating in the National School Lunch Program, 2016**

County	% Eligible and Participating, 2008	% Eligible and Participating, 2013	% Eligible and Participating, 2016	County Rank in Missouri, 2016
Carter	64.8	78.7	71.4	Very Low
Douglas	62	85	74.6	Very Low
Howell	52.3	78.8	75.5	Low
Oregon	61	80.9	78.4	Average
Ozark	64.4	80	76.6	Low
Reynolds	65.5	85.8	102.5	Very High
Shannon	75.9	84.7	88.5	Very High



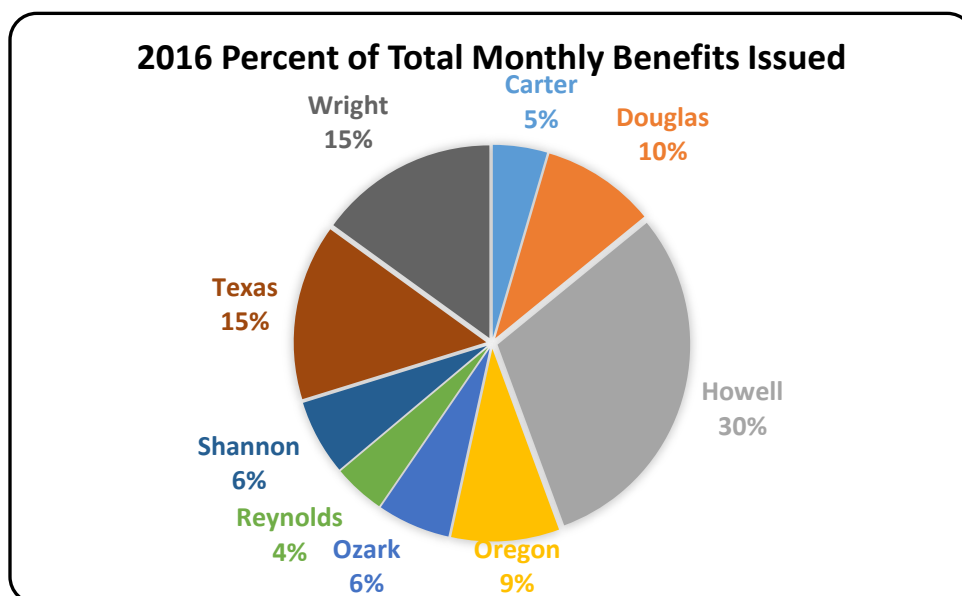
Texas	55.6	80.2	79.9	High
Wright	63.2	88.2	81.2	High
Region G	<b>62.7</b>	<b>82.5</b>	<b>81.0</b>	
Missouri	40.9	82.5	78.4	

**Source:** University of Missouri Extension. Interdisciplinary Center for Food Security. Missouri Hunger Atlas, 2016.

### Supplemental Nutrition Assistance Program (SNAP)

According to the Interdisciplinary Center for Food Security, the average monthly for SNAP benefits in the Region G area was \$3,423,076 during 2016. That is an 11.7% decrease from 2012. Howell County had the highest total monthly benefits issued at \$1,036,268, while Reynolds had the lowest at \$147,986. The 2016 total SNAP dollars issued per county are shown in Table 1.25.

**Figure 1.29 SNAP**



**Table 1.25 Household Receiving SNAP Benefits, 2016**

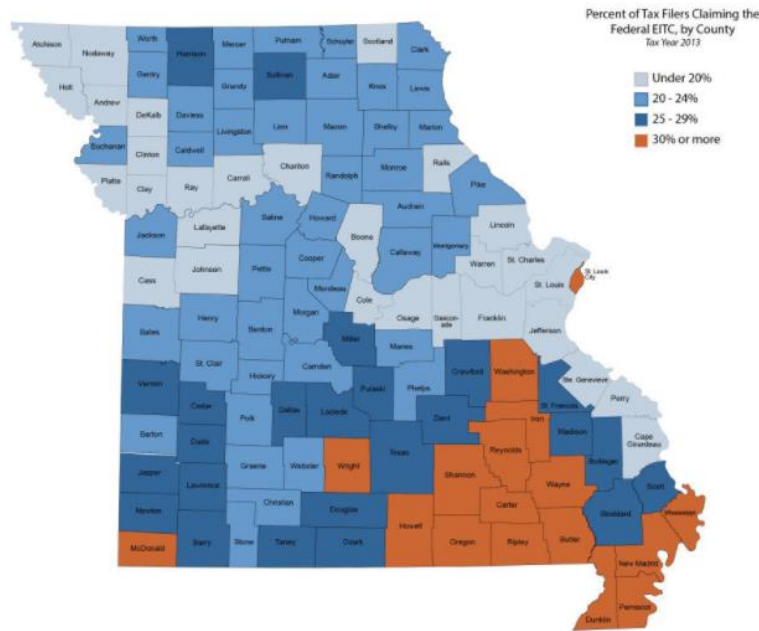
County	# of SNAP Participants, 2016	% of Population on SNAP, 2016	# of SNAP Participants Less than 18 Years, 2016	% of Population on SNAP, Less than 18 Years 2016	2016 Total Monthly Benefits Issued Per County (\$)
Carter	1,275	20.40	460	20.2	155,550
Douglas	2,682	19.70	1,060	35.2	327,204
Howell	8,494	21.10	3,514	34.8	1,036,268
Oregon	2,543	23.30	1,003	41.3	310,246
Ozark	1,720	17.80	636	34.5	209,840
Reynolds	1,213	18.20	437	29.6	147,986

Shannon	1,775	21.20	675	33.0	216,550
Texas	4,139	16.00	1,707	30.2	504,958
Wright	4,217	22.60	1,709	35.9	514,474
Region G	<b>28,058</b>	<b>20.03</b>	<b>1,245</b>	<b>32.7</b>	<b>3,423,076</b>
Missouri	815,575	14.30	353,540	25.0	99,500,150

**Sources:** University of Missouri Extension. Interdisciplinary Center for Food Service. Missouri Hunger Atlas, 2016. // Community Action.Org Missouri Poverty Facts

### Earned Income Tax Credit

According to information provided by the Brookings Institute, 29.45 percent of all Region G tax returns claimed an earned income tax credit. Only 20.0 percent of Missourians claimed the earned income tax credit in 2013. The total income tax returns, the number of returns claiming the earned income tax credit, and the average amount per return for 2010 and 2013 are shown in Table 1.26. Note that the IRS made significant changes to its data reporting standards in Tax Year 2013, the most recent information available



Tables 1.26 Earned Income Tax Credit Returns for 2010 and 2013

County	Total Income Tax Returns, 2010	Total Returns Claiming EITC, 2010	Avg EITC per Return, 2010	Total Income Tax Returns, 2013	Total Returns Claiming EITC, 2013	Avg EITC per Return, 2013
Carter	2,177	715	\$2,373	2,501	793	\$2,504
Douglas	4,586	1,393	\$2,326	3,835	1,116	\$2,416
Howell	15,028	4,461	\$2,347	15,414	4,424	\$2,380
Oregon	3,576	1,187	\$2,432	3,598	1,130	\$2,432
Ozark	3,312	940	\$2,321	2,871	784	\$2,400
Reynolds	2,361	751	\$2,254	2,046	622	\$2,396

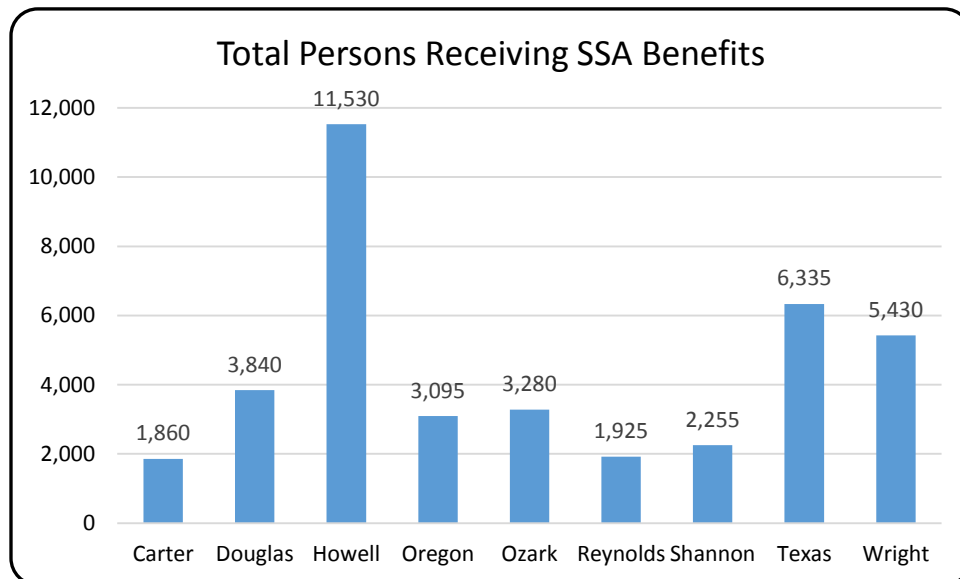
Shannon	2,566	905	\$2,389	2,442	823	\$2,490
Texas	9,325	2,781	\$2,220	8,237	2,323	\$2,288
Wright	6,600	2,068	\$2,292	6,321	1,909	\$2,470
Region G	<b>49,531</b>	<b>15,201</b>	<b>\$2,328</b>	<b>47,265</b>	<b>13,924</b>	<b>\$2,420</b>
Missouri	2,511,091	509,665	\$2,203	2,537,760	507,552	\$2,459

**Source:** [Brookings Institute, Earned Income Tax Credit Series, Interactive Data, 2014.](#)

## Social Security Administration Benefits

The Social Security Administration (SSA) reported a total of 39,550 persons in Region G received SSA benefits in 2015. Total persons receiving SSA benefits in 2015, benefits by gender, disability status, total SSA payments, and average SSA payments are shown in Table 1.27.

**Figure 1.30 SSA**



**Table 1.27 SSA Recipients and Payments, 2015**

County	Total Persons Receiving SSA Benefits	Aged 65 or older		Total Persons Receiving Disability SSA Benefits	Total SSA Payments (\$)	Average Payment (\$)
		Men	Women			
Carter	1,860	525	590	530	\$1,890,000	\$1,016
Douglas	3,840	1,245	1,380	830	\$3,936,000	\$1,025
Howell	11,530	3,355	4,025	2,945	\$11,888,000	\$1,031
Oregon	3,095	945	1,050	765	\$3,044,000	\$983
Ozark	3,280	1,135	1,110	690	\$3,559,000	\$1,085
Reynolds	1,925	590	640	470	\$2,095,000	\$1,088

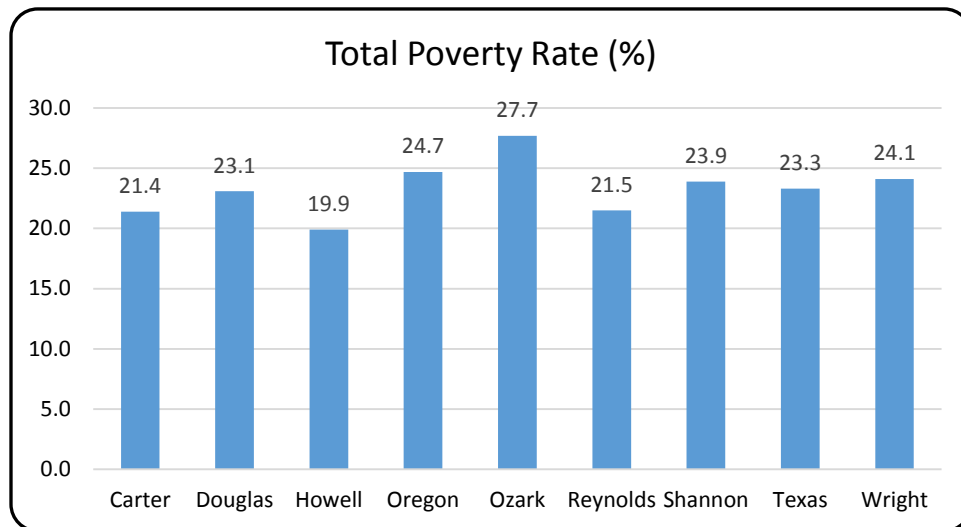
Shannon	2,255	670	785	590	\$2,192,000	\$972
Texas	6,335	1,940	2,255	1,505	\$6,463,000	\$1,020
Wright	5,430	1,625	1,890	1,335	\$5,506,000	\$1,013
Region G	<b>39,550</b>	<b>12,030</b>	<b>13,725</b>	<b>9,660</b>	<b>\$40,573,000</b>	<b>\$1,025</b>
Missouri	1,258,256	381,288	486,390	266,091	\$1,518,403,000	\$1,206

**Source:** Social Security Administration, SSI Recipients by State and County, 2015

## Poverty

The U.S. Census Bureau estimates\* indicate 30,753 of Region G residents lived below the poverty level, during 2015. The poverty rate of 23.3% is above the Missouri average of 14.8% for the same period, and is also a decrease of 2.1% since 2011. Ozark County had the highest poverty rate (27.7%), while Howell County had the lowest rate (19.9%) in 2016. Poverty information is shown in Table 1.28.

**Figure 1.31 Poverty 2015**



**Table 1.28 Poverty Information 2015**

County	All Ages		Under 18 Years old		Over 65 Years Old	
	Number of Persons	Poverty Rate - %	Number of Persons	Poverty Rate - %	Number of Persons	Poverty Rate - %
Carter	1,330	21.4	542	36.3	325	19.6
Douglas	3,053	23.1	978	35.5	451	13.8
Howell	7,856	19.9	2,818	30.0	1,459	17.1
Oregon	2,665	24.7	979	39.8	726	24.0
Ozark	2,578	27.7	737	41.3	2.4	10.1
Reynolds	1,357	21.5	423	34.3	247	13.9

Shannon	1,952	23.9	762	42.6	311	14.5
Texas	5,524	23.3	1,812	33.4	1,929	12.8
Wright	4,438	24.1	1,692	37.5	615	12.9
Region G	<b>30,753</b>	<b>23.3</b>	<b>10,743</b>	<b>20.4</b>	<b>6,065</b>	<b>15.4</b>
Missouri	875,704	14.8	277,687	21.5	87,731	9.0

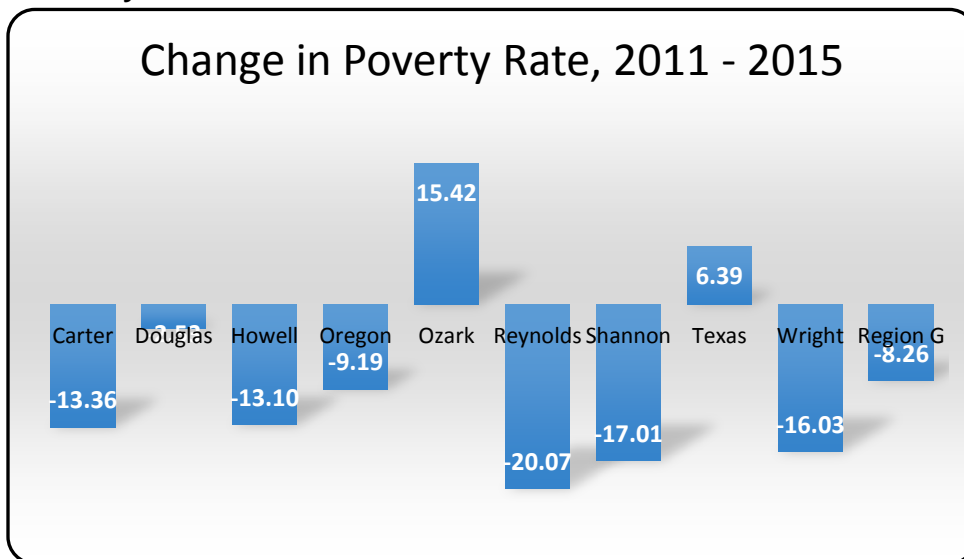
**Source:** U.S. Census Bureau, Small Area Income and Poverty Estimates, 2015

\* US Census Bureau estimates are based on a 90% Confidence Interval

### Poverty Rate Change

According to the U.S. Census Bureau estimates\*, the poverty rate in Region G decreased by 8.26%, compared to a statewide decrease of 6.33%, from 2011 to 2015. Reynolds County experienced the greatest change in poverty, decreasing by 20.07%. Douglas County experienced the least amount of change, decreasing by 2.53%. Poverty rate change is shown in Table 1.29.

**Figure 1.32 Poverty Rate**



**Table 1.29 Changes in Poverty Rate, 2011 - 2015**

	Persons in Poverty, 2011	Poverty Rate, 2011	Persons in Poverty, 2015	Poverty Rate, 2015	Change in Poverty Rate, 2011 - 2015
Carter	1,560	24.7	1,330	21.4	-13.36
Douglas	3,171	23.7	3,053	23.1	-2.53
Howell	9,140	22.9	7,856	19.9	-13.10
Oregon	2,949	27.2	2,665	24.7	-9.19
Ozark	2,283	24.0	2,578	27.7	15.42
Reynolds	1,738	26.9	1,357	21.5	-20.07

Shannon	2,402	28.8	1,952	23.9	-17.01
Texas	5,261	21.9	5,524	23.3	6.39
Wright	5,299	28.7	4,438	24.1	-16.03
Region G	<b>33,803</b>	<b>25.4</b>	<b>30,753</b>	<b>23.3</b>	<b>-8.26</b>
Missouri	922,103	15.8	875,704	14.8	-6.33

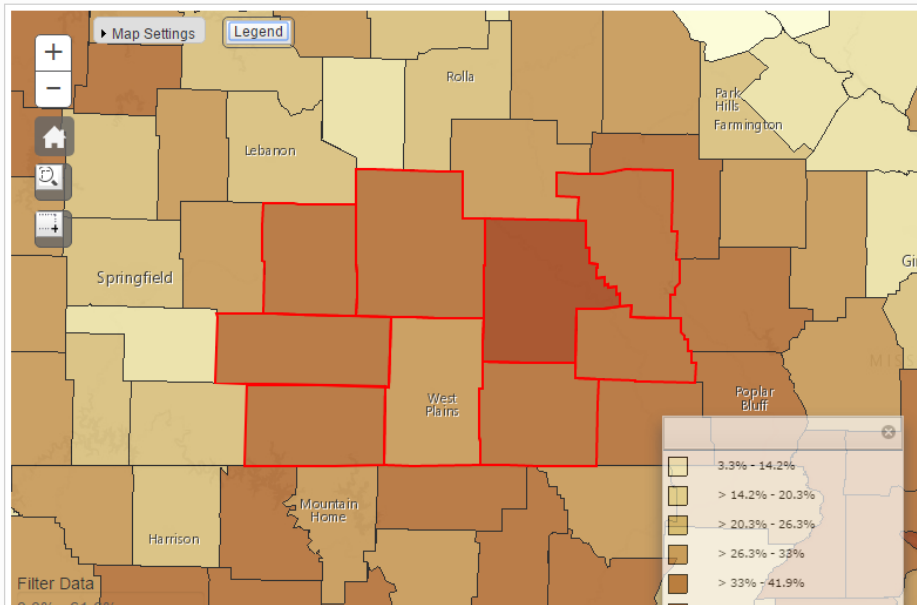
**Source:** U.S. Census Bureau, Small Area Income and Poverty Estimates, 2015

\* US Census Bureau estimates are based on a 90% Confidence Interval

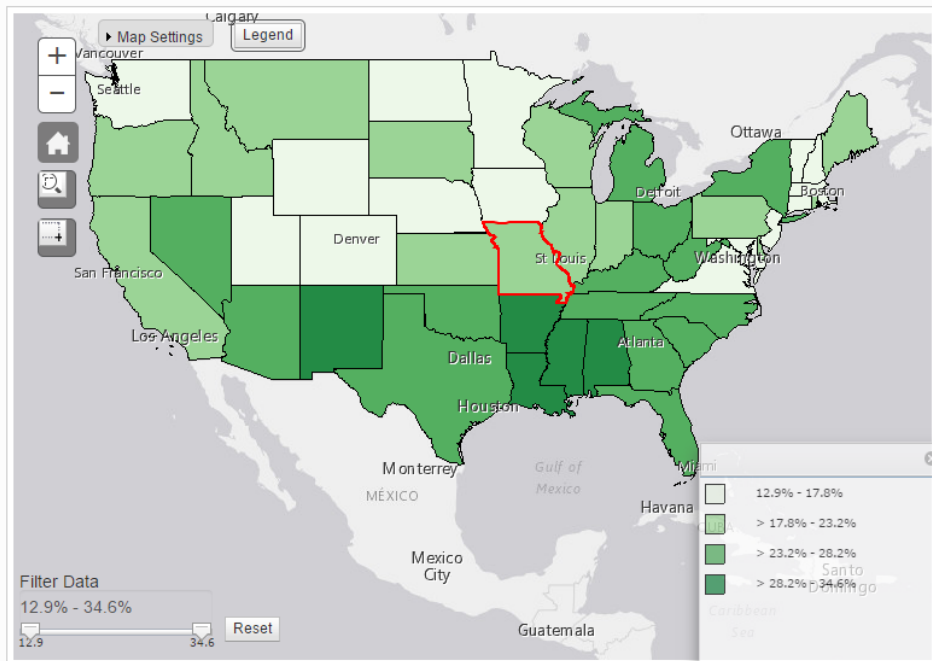
## Children in Poverty

According to the U.S. Census Bureau estimates\*, 20.4 percent of children in Region G lived in poverty compared to 21.5 percent of children in Missouri during 2015. The percent of children below poverty and the change in the percent of children under 5 years of age who live below poverty are shown in the following maps.

**2015 Under Age 18 in Poverty**



**2015 Under Age 5 in Poverty**

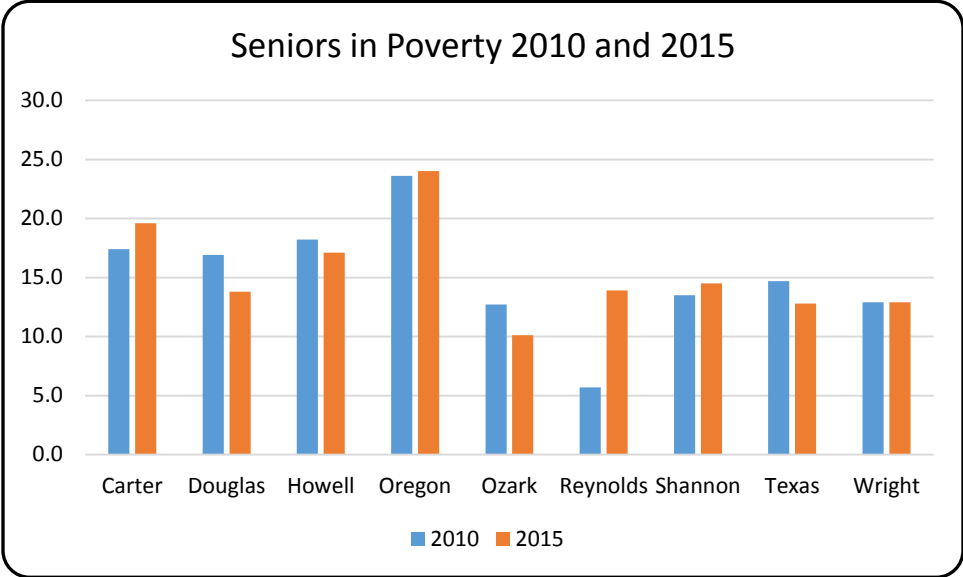


**Source:** U.S. Census Bureau, Small Area Income and Poverty Estimates, 2015  
 \* US Census Bureau estimates are based on a 90% Confidence Interval

**Seniors in Poverty**

According to the U.S. Census Bureau estimates\*, the senior poverty rate was highest in Oregon County at 24.0% and lowest in Ozark County at 10.1% in 2015. This compares to a statewide rate of 9.0%. Poverty rates for seniors are shown in Table 1.30.

**Figure 1.33 Seniors in Poverty**



**Table 1.30 Seniors in Poverty, 2010 and 2015**

County	Seniors in Poverty, 2010	Senior Poverty Rate, 2010	Seniors in Poverty, 2015	Senior Poverty Rate, 2015
Carter	145	17.4	325	19.6
Douglas	459	16.9	451	13.8
Howell	1,179	18.2	1,459	17.1
Oregon	508	23.6	726	24.0
Ozark	289	12.7	2.4	10.1
Reynolds	765	5.7	247	13.9
Shannon	197	13.5	311	14.5

Texas	714	14.7	1,929	12.8
Wright	424	12.9	615	12.9
Region G	<b>4,680</b>	<b>15.1</b>	<b>6,065</b>	<b>15.4</b>
Missouri	72,148	9.3	87,731	9.0

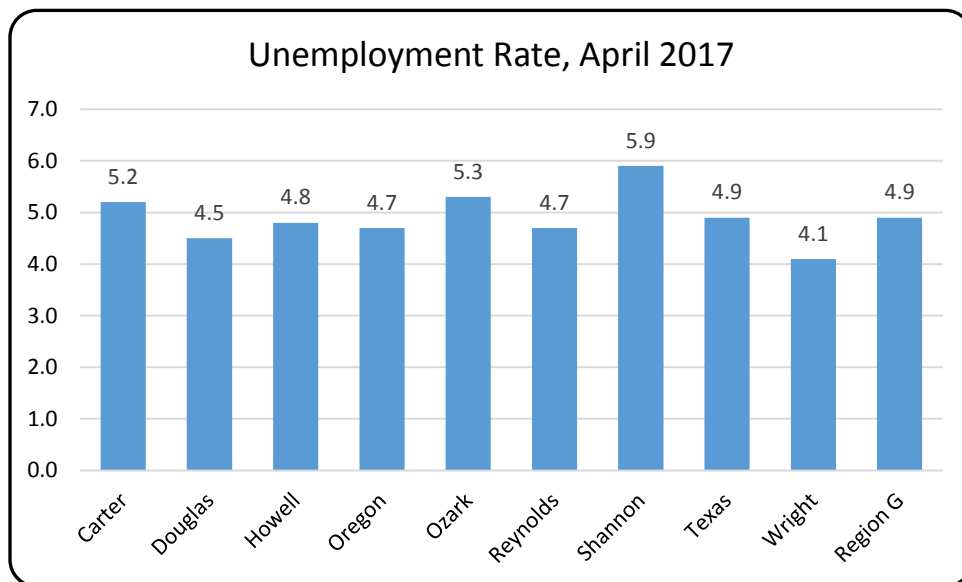
**Source:** U.S. Census Bureau, Annual Estimates of the Resident Population for Selected Age Groups, April 1, 2010 to July 1, 2015

\* US Census Bureau estimates are based on a 90% Confidence Interval

## Current Unemployment

According to the U.S. Bureau of Labor Statistics, unemployment rates varied from 4.1% in Wright to 5.9% in Shannon County in April 2017. Overall, Region G experienced an average 4.9% unemployment rate. Labor force, employment, and unemployment data for each county is provided in Table 1.31.

**Figure 1.34 Current Unemployment**



**Table 1.31 Employment / Unemployment Information, April 2017**

County	Civilian Labor Force	Employment	Unemployment	Unemployment Rate
Carter	2,500	2,371	129	5.2
Douglas	5,153	4,919	234	4.5
Howell	15,722	14,970	752	4.8
Oregon	4,172	3,975	197	4.7
Ozark	3,691	3,495	196	5.3



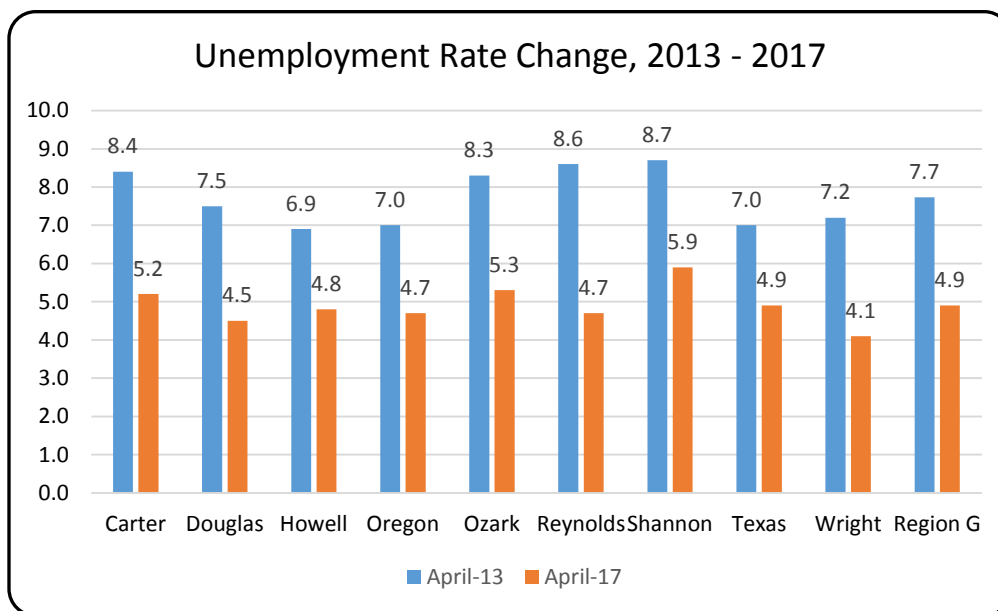
Reynolds	2,659	2,534	125	4.7
Shannon	3,362	3,165	197	5.9
Texas	9,392	8,931	461	4.9
Wright	7,796	7,474	322	4.1
Region G	<b>54,447</b>	<b>51,834</b>	<b>2,613</b>	<b>4.9</b>
Missouri	3,064,806	2,950,399	114,407	3.7

**Source:** U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics

### Unemployment Change

According to the U.S. Department of Labor, unemployment for the four-year period between April 2013 and April 2017 decreased from 5,009 persons to 2,613 persons in Region G, a change of -2.8% compared to a statewide decrease of -2.4%. Unemployment change from April 2013 to April 2017 is shown in Table 1.32.

**Figure 1.35 Unemployment Change**



**Table 1.32 Change in Unemployment, April 2013 – April 2017**

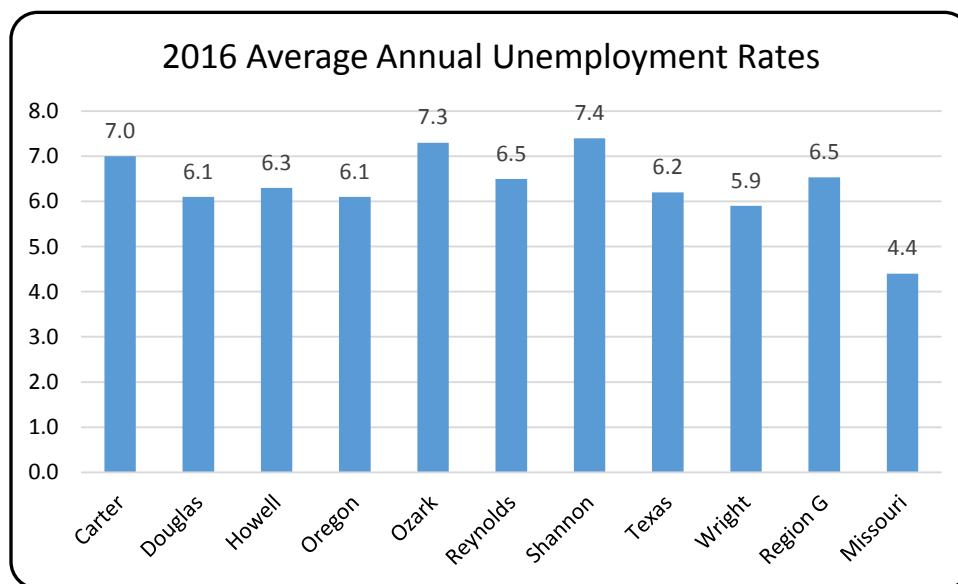
County	Unemployment, April 2013	Unemployment Rate (%), April 2013	Unemployment, April 2017	Unemployment Rate (%), April 2017	% Change 2013 - 2017
Carter	267	8.4	129	5.2	-3.2
Douglas	490	7.5	234	4.5	-3.0
Howell	1,425	6.9	752	4.8	-2.1
Oregon	364	7.0	197	4.7	-2.3

Ozark	387	8.3	196	5.3	-3.0
Reynolds	246	8.6	125	4.7	-3.9
Shannon	321	8.7	197	5.9	-2.8
Texas	866	7.0	461	4.9	-2.1
Wright	643	7.2	322	4.1	-3.1
Region G	<b>5,009</b>	<b>7.7</b>	<b>2,613</b>	<b>4.9</b>	<b>-2.8</b>
Missouri	212,925	6.1	114,407	3.7	-2.4

**Source:** U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics  
**Average Annual Unemployment**

According to the U.S. Department of Labor, the average annual unemployment varied from 175 persons in Reynolds County to 1,027 persons in Howell County, during 2016. Overall, Region G experienced an average 6.5% unemployment rate in 2016 compared to a statewide rate of 4.4%. Labor force, employment, and unemployment rate data is provided for each county in Table 1.33.

**Figure 1.36**



**Table 1.33 Average Annual Employment/Unemployment Information, Jan – Dec 2016**

County	Civilian Labor Force	Employment	Unemployment	Unemployment Rate (%)
Carter	2,566	2,386	180	7.0
Douglas	5,152	4,839	313	6.1
Howell	16,265	15,238	1,027	6.3
Oregon	4,177	3,924	253	6.1
Ozark	3,692	3,422	270	7.3

Reynolds	2,710	2,535	175	6.5
Shannon	3,364	3,116	248	7.4
Texas	9,413	8,828	585	6.2
Wright	7,685	7,231	454	5.9
Region G	<b>55,024</b>	<b>51,519</b>	<b>3,505</b>	<b>6.5</b>
Missouri	3,142,000	3,002,000	140,000	4.4

**Source:** U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics

## Child Care Costs

The Department of Social Services Childcare Rate Information, for June 2017, shows the average daytime costs for full time child care based on responses from Licensed Registered Care Providers and Licensed Faith Based Providers in each county. Child care costs in the area, including all age groups and type of care, range from \$8.75 to \$18.02 per day. Cost of full time, daytime child care for each type of care and age group is shown in Table 1.34.

**Table 1.34 Average Child Care Costs, June 2017**

		Licensed Providers			Licensed Faith Based Providers		
County	Type of Care	Infant Daily Cost	Pre-School Daily Cost	School Age Daily Cost	Infant Daily Cost	Pre-School Daily Cost	School Age Daily Cost
Carter	Center	14.00	10.00	9.19	17.15	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77
Douglas	Center	14.00	10.00	9.19	17.15	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77
Howell	Center	14.00	10.00	9.19	18.02	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.73	10.73
	Family	10.00	8.75	8.75	12.89	10.73	10.73
Oregon	Center	14.00	10.00	9.19	17.15	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77
Ozark	Center	14.00	10.00	9.19	17.15	12.25	11.26

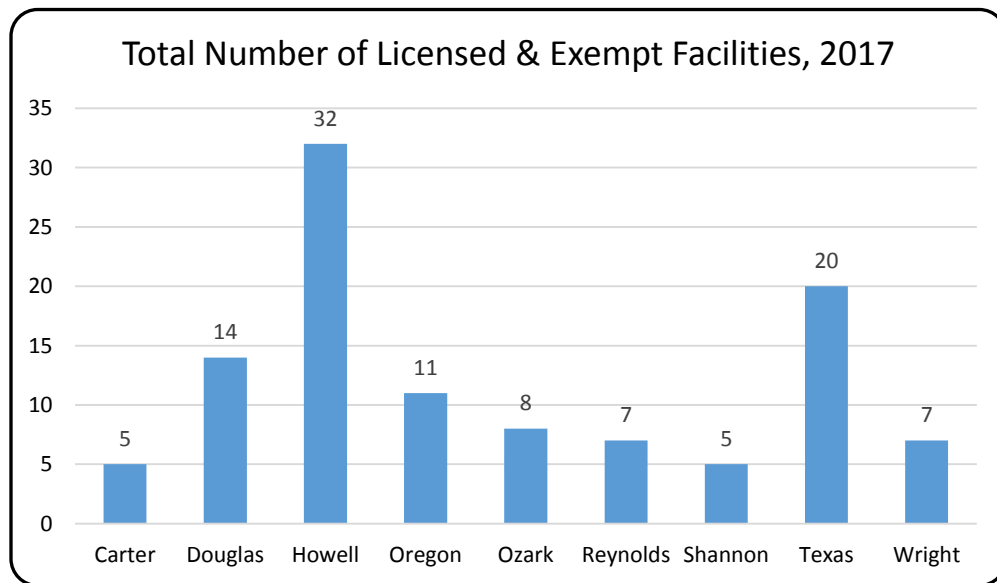
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77
Reynolds	Center	14.00	10.00	9.19	17.15	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77
Shannon	Center	14.00	10.00	9.19	17.15	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77
Texas	Center	14.00	10.00	9.19	17.15	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77
Wright	Center	14.00	10.00	9.19	17.15	12.25	11.26
	Group	N/D	N/D	N/D	14.71	10.77	10.77
	Family	10.00	8.75	8.75	12.25	10.77	10.77

**Source:** Missouri Department of Social Services, Child Care Rates, 2016

## Child Care Facilities

According to the Missouri Department of Social Services, there were a total of 109 licensed and exempt child care facilities in Region G as of March 2017. The number of licensed facilities were 65 and License-Exempt were 47, with a combined maximum capacity of 1,587 children. The number of licensed and exempt child care facilities and total maximum capacity of slots are shown in Table 1.35.

**Figure 1.37**



**Table 1.35 Total Number of Child Care Facilities, March 2017**

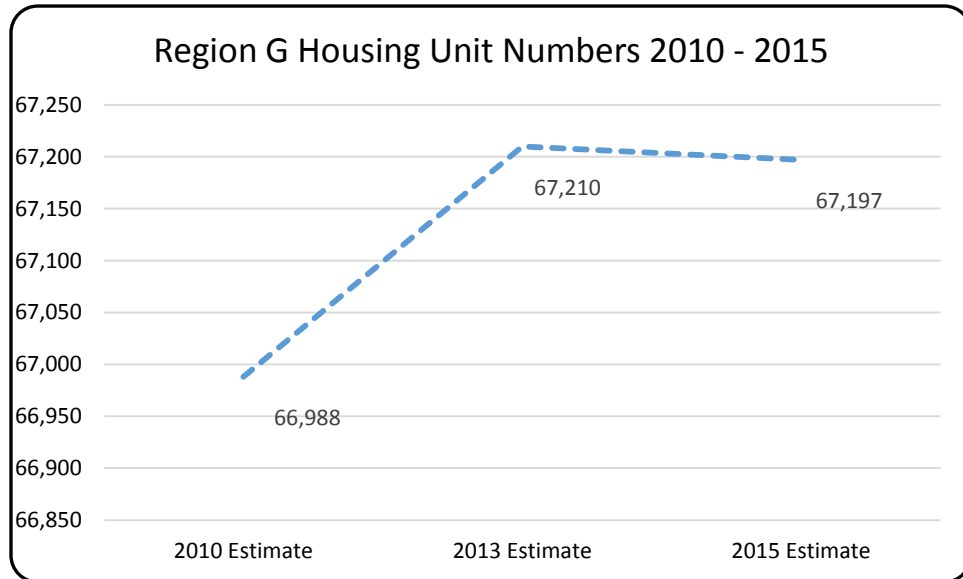
County	Licensed Centers, Homes, Programs	License-Exempt Centers, Homes, Programs	Total Number of Licensed & Exempt Facilities	Total Capacity
Carter	4	1	5	123
Douglas	4	10	14	116
Howell	21	11	32	617
Oregon	7	4	11	140
Ozark	6	2	8	80
Reynolds	1	6	7	20
Shannon	3	2	5	95
Texas	12	8	20	268
Wright	7	3	7	128
Region G	<b>65</b>	<b>47</b>	<b>109</b>	<b>1,587</b>

**Source:** Missouri Department of Social Services, Child Care Rate Information.

## Housing

According to the U.S. Census, there were a total of 67,197 housing units in Region G in 2015. Since 2010, the number of housing units has increased by 209 units or 0.31% compared to a 1.25% increase statewide. The number of housing units, for July of each year, is shown in Table 1.36.

**Figure 1.38**



**Table 1.36 Housing Units**

County	2010 Estimate	2013 Estimate	2015 Estimate
Carter	3,229	3,224	3,235
Douglas	6,458	6,487	6,465
Howell	17,860	18,009	18,054
Oregon	5,453	5,453	5,438
Ozark	5,604	5,624	5,627
Reynolds	4,023	4,014	4,015
Shannon	4,133	4,136	4,126
Texas	11,624	11,617	11,609
Wright	8,604	8,646	8,628
Region G	<b>66,988</b>	<b>67,210</b>	<b>67,197</b>
Missouri	2,712,729	2,718,001	2,746,599

**Source:** U.S. Census Bureau, American Fact Finder, 2011-2015 Housing Units American Community Survey

## Homeowners

The U.S. Census Bureau reports median housing values ranged from \$79,400 in Oregon County to \$102,800 in Howell County, in 2015. A total of 67,197 housing units were reported in Region G during 2015.

**Table 1.37 Homeowners**

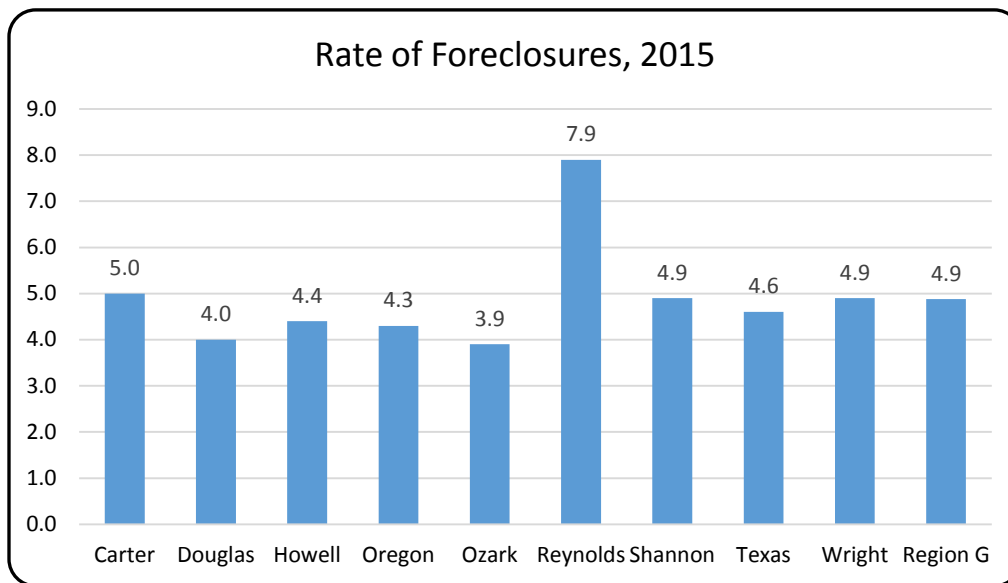
County	# Housing Units 2015	Homeowner Rate (%)	Median House Value (\$)
Carter	3235	71.3	89,200
Douglas	6465	74.7	101,200
Howell	18,054	67.0	102,800
Oregon	5438	75.3	79,400
Ozark	5627	77.1	86,600
Reynolds	4015	78.2	85,600
Shannon	4126	77.7	89,400
Texas	11,609	74.7	99,300
Wright	8,628	69.3	88,200
Region G	<b>67,197</b>	<b>73.9</b>	<b>91,300</b>
Missouri	2,746,599	67.2	138,400

**Source:** U.S. Census Bureau; American Fact Finder, Comparative Housing Characteristics, 2011-2015 American Community Survey 5-Year Estimates

## Foreclosures

The U.S. Department of Housing and Urban Development estimates a total of 471 houses were in foreclosure, in Region G, during the 18-month period beginning January 2015. The average foreclosure rate was 4.9%, compared to the average statewide rate of 4.7%. Reynolds County had the highest foreclosure rate at 7.93%, while Ozark County had the lowest foreclosure rate, which was 3.9%. The estimated number of mortgages, foreclosures and rate of foreclosure for the Region G area is shown in Table 1.38.

**Figure 1.39**



**Table 1.38 Estimated Mortgages and Foreclosures, 2015**

County	Estimated Number of Mortgages	Estimated Number of Foreclosures	Estimated Rate of Foreclosures
Carter	282	14	5.0
Douglas	680	27	4.0
Howell	3,511	155	4.4
Oregon	558	24	4.3
Ozark	514	20	3.9
Reynolds	454	36	7.9
Shannon	345	17	4.9
Texas	1,779	82	4.6
Wright	1,974	96	4.9
Region G	<b>10,097</b>	<b>471</b>	<b>4.9</b>



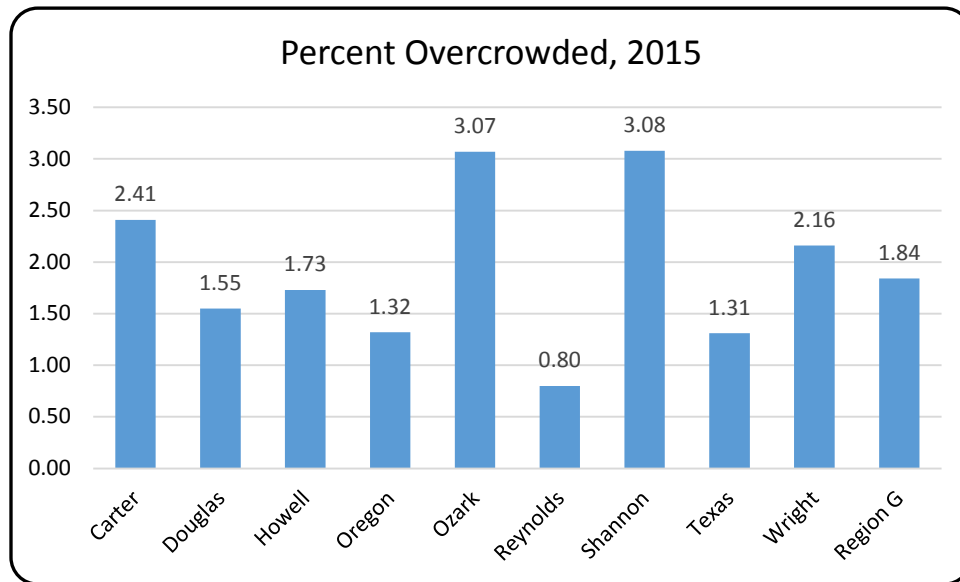
Missouri	1,297,577	52,185	4.7
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**Source:** U.S. Department of Housing and Urban Development, HUD Provided Local Level Data, Neighborhood Stabilization Program

## Overcrowded Housing

According to the U.S. Census Bureau, the percent of overcrowded houses ranged from 0.80 in Reynolds County to 3.08 in Shannon County during 2015. Occupied housing units, overcrowded housing units, and percent overcrowded, for 2015 are provided in Table 1.39.

**Figure 1.40**



**Table 1.39 Overcrowded Housing Units**

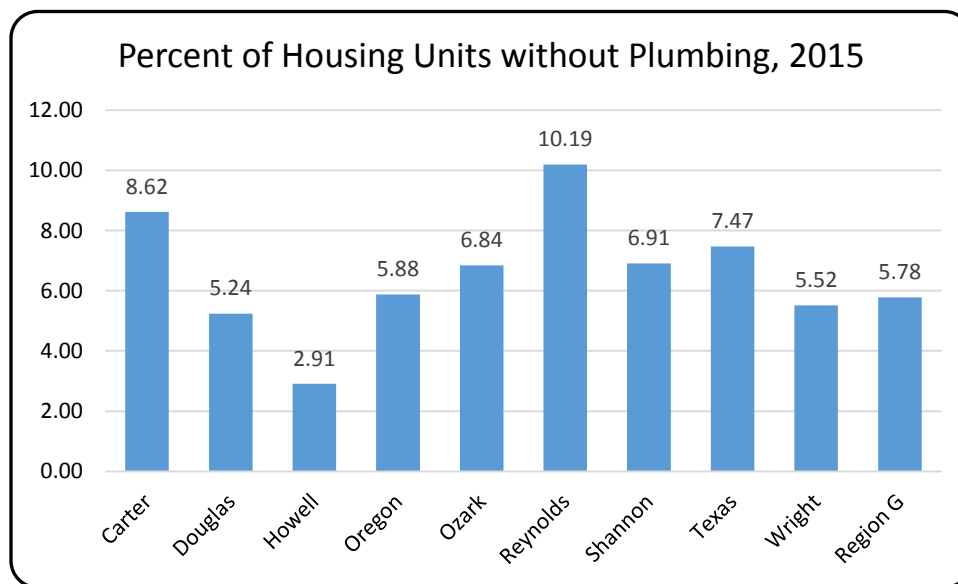
County	# Occupied Housing Units 2015	Overcrowded Housing Units, 2015 (1.01 - 1.50)	Overcrowded Housing Units, 2015 (1.51 - 2.0)	Overcrowded Housing Units, 2015 (2.01 or more)	Percent Overcrowded, 2015
Carter	3235	43	35	0	2.41
Douglas	6465	82	2	16	1.55
Howell	18,054	146	102	65	1.73
Oregon	5438	59	0	13	1.32
Ozark	5627	78	93	2	3.07
Reynolds	4015	18	14	0	0.80
Shannon	4126	121	0	6	3.08
Texas	11,609	128	9	15	1.31
Wright	8,628	114	38	34	2.16
Region G	<b>67,197</b>	<b>789</b>	<b>293</b>	<b>151</b>	<b>1.84</b>
Missouri	2,746,599	<b>28,638</b>	<b>7,171</b>	<b>2,339</b>	1.39

**Source:** U.S. Census Bureau, 2011-2015 American Community Survey 5-Year Estimates, Tenure by Occupants per Room

## Number of Unsafe, Unsanitary Homes

The U.S. Census Bureau reports 3,886 housing units in Region G were without plumbing in 2015. The percentage of housing units without plumbing, 5.78 percent is greater than the 3.06 percent reported across Missouri. The number and percentage of housing units without plumbing are shown in Table 1.40.

**Figure 1.41**



**Table 1.40 Housing Units without Plumbing**

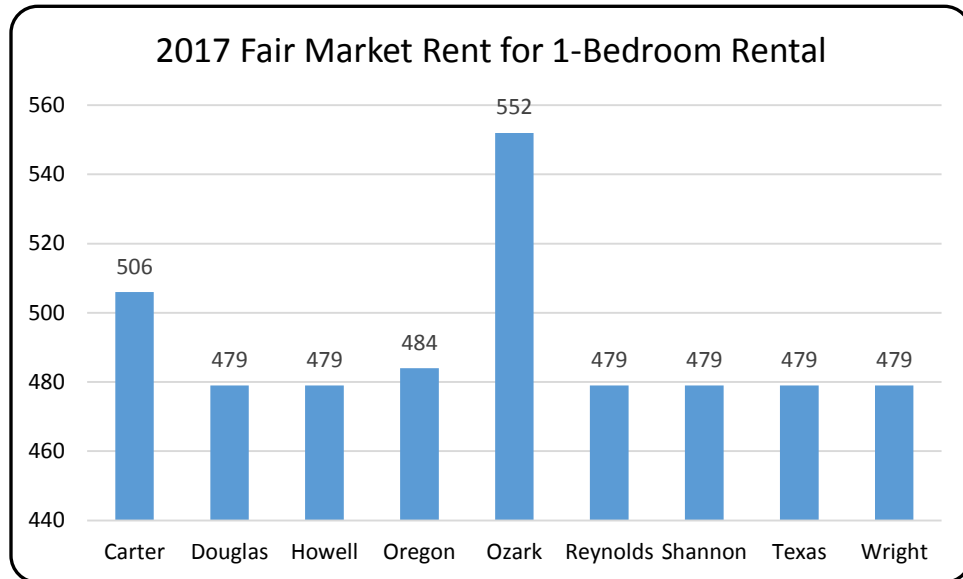
County	# Occupied Housing Units 2015	Housing Units Lacking Complete Plumbing, 2015	Percent Lacking Complete Plumbing, 2015
Carter	3235	279	8.62
Douglas	6465	339	5.24
Howell	18,054	526	2.91
Oregon	5438	320	5.88
Ozark	5627	385	6.84
Reynolds	4015	409	10.19
Shannon	4126	285	6.91
Texas	11,609	867	7.47
Wright	8,628	476	5.52
Region G	<b>67,197</b>	<b>3,886</b>	<b>5.78</b>
Missouri	2,746,599	84,044	3.06

**Source:** U.S. Census Bureau, 2011-2015 American Community Survey 5-Year Estimates, Plumbing Facilities for all Units

## Fair Market Rent

According to HUD, the average fair market rent for one bedroom units in Region G is \$490.67 in 2017, compared to a statewide average of \$690.00. Fair market monthly rent for 0-4 bedrooms is shown in Table 1.41.

**Figure 1.42**



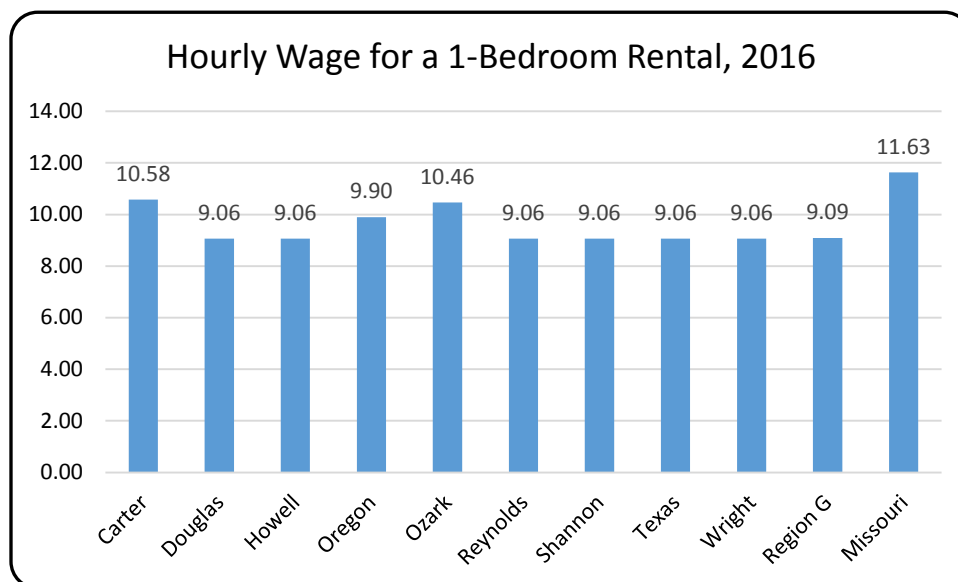
**Table 1.41 Fair Market Rents, 2017**

2017 Fair Market Rent (Monthly \$s)					
County	Efficiency	1 Bedroom	2 Bedroom	3 Bedroom	4 Bedroom
Carter	432	506	639	805	966
Douglas	424	479	637	927	962
Howell	424	479	637	800	1,022
Oregon	424	484	637	837	878
Ozark	424	552	637	863	962
Reynolds	424	479	637	797	962
Shannon	404	479	637	797	893
Texas	404	479	637	927	1090
Wright	424	479	637	829	1,046
Region G	420.44	490.67	637.22	842.44	975.67

**Source:** U.S. Department of Housing and Urban Development, Fair Market Rent Documentation System  
**Housing Affordability**

The National Low-Income Housing Coalition reports each year on the amount of money a household must earn to afford a rental unit, based on Fair Market Rents in the area and an accepted limit of 30% of income for housing costs. For 2016, the hourly wage a worker must earn to afford a 1 bedroom rental was \$9.09 in the Region G area.

**Figure 1.43**



**Table 1.42 Hourly Wage Needed to Afford a Fair Market Rent, 2016**

2016 Hourly Wage (\$s) for:						
County	Average Renter Hourly Wage (\$)	0 Bedroom	1 Bedroom	2 Bedroom	3 Bedroom	4 Bedroom
Carter	5.96	9.58	10.58	12.25	17.25	17.85
Douglas	8.77	8.25	9.06	12.12	17.37	18.10
Howell	7.82	8.19	9.06	12.12	15.33	20.04
Oregon	6.20	8.25	9.90	12.12	15.33	16.62
Ozark	5.99	9.25	10.46	12.12	15.65	18.10
Reynolds	5.23	8.25	9.06	12.12	15.04	18.10
Shannon	5.73	7.48	9.06	12.12	15.04	18.10
Texas	6.94	7.48	9.06	12.12	17.65	19.90
Wright	9.31	8.25	9.06	12.12	15.79	20.88
Region G	6.49	7.31	9.09	11.44	15.18	18.01

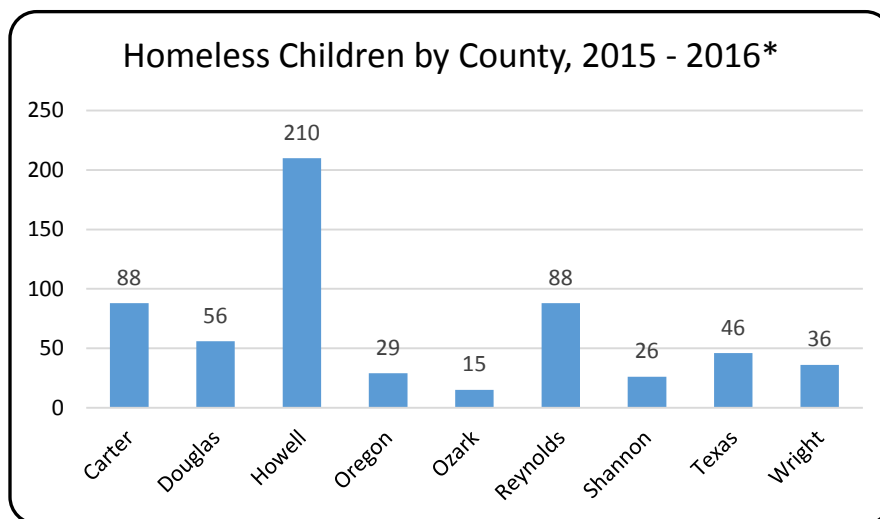
Missouri	12.74	9.97	11.63	14.98	20.24	23.11
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**Source:** National Low-Income Housing Coalition, Out of Reach Report, 2016.

## Homeless Children

Missouri Department of Elementary and Secondary Education data, from 2015-2016, identifies 257 homeless children in Region G. This encompasses a range of 15 reported in Ozark County to the total of 210 reported in Howell County. Overlap of values are noted and. Homeless children, ages 3 through the 12th grade in Region G, are shown in Table 1.43.

**Figure 1.44**



\*Does not account for overlapped values between counties

**Table 1.43 Homeless Children by County, 2015/2016**

County	Homeless, Age 3-12th Grade	Overlap
Carter	88	Shared w/Reynolds County
Douglas	56	Shared w/Texas & Wright Counties
Howell	210	41 Shared w/Ozark, Shannon & Texas
Oregon	29	All Oregon County
Ozark	15	Shared w/Howell
Reynolds	88	Shared w/Carter
Shannon	26	Shared w/Howell and Texas
Texas	46	Shared w/Douglas, Howell & Shannon
Wright	36	Shared w/Douglas
Region G	<b>257 Total</b>	ND

Missouri	30,656	ND
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**Source:** Missouri Department of Elementary and Secondary Education, School Year 2009-2016  
Homeless District Results

## **Section II**

# **Environmental Health**

## **Risk Factors**

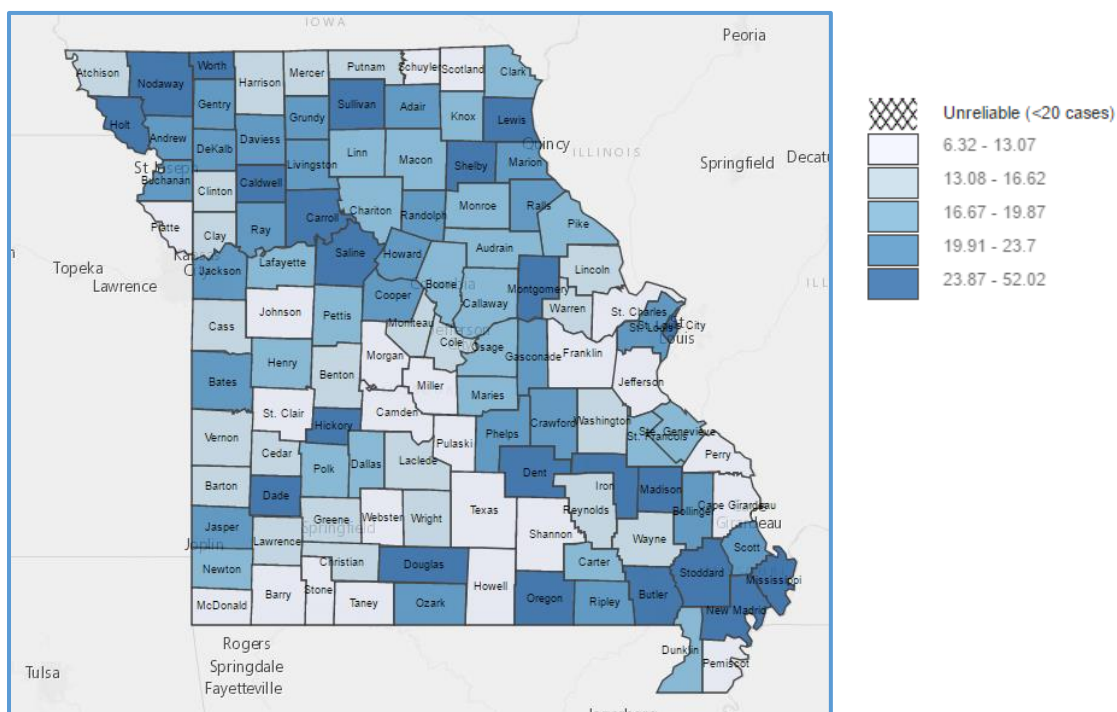
## Childhood Lead Poisoning

Missouri collects and analyzes data about environmental hazards, exposure to environmental hazards, and health effects potentially related to exposure to those hazards through the Environmental Public Health Tracking (EPHT) program. The Childhood Lead Poisoning Prevention Program (CLPPP) is one component of the program. Table 2.1 shows the rate of childhood blood lead testing during 2015.

**Table 2.1 Rates of Childhood Blood Lead Testing for 2015**

County	Total Tested, 2015	Percent of Population
Carter	95	19.71
Douglas	274	29.75
Howell	376	12.16
Oregon	211	25.54
Ozark	105	20.15
Reynolds	63	16.62
Shannon	54	10.06
Texas	199	11.38
Wright	227	15.96
<b>Region G</b>	<b>1,604</b>	<b>16.16</b>
Missouri	85,665	19.03

**Figure 2.1 Rates of Childhood Blood Lead Testing for 2015**

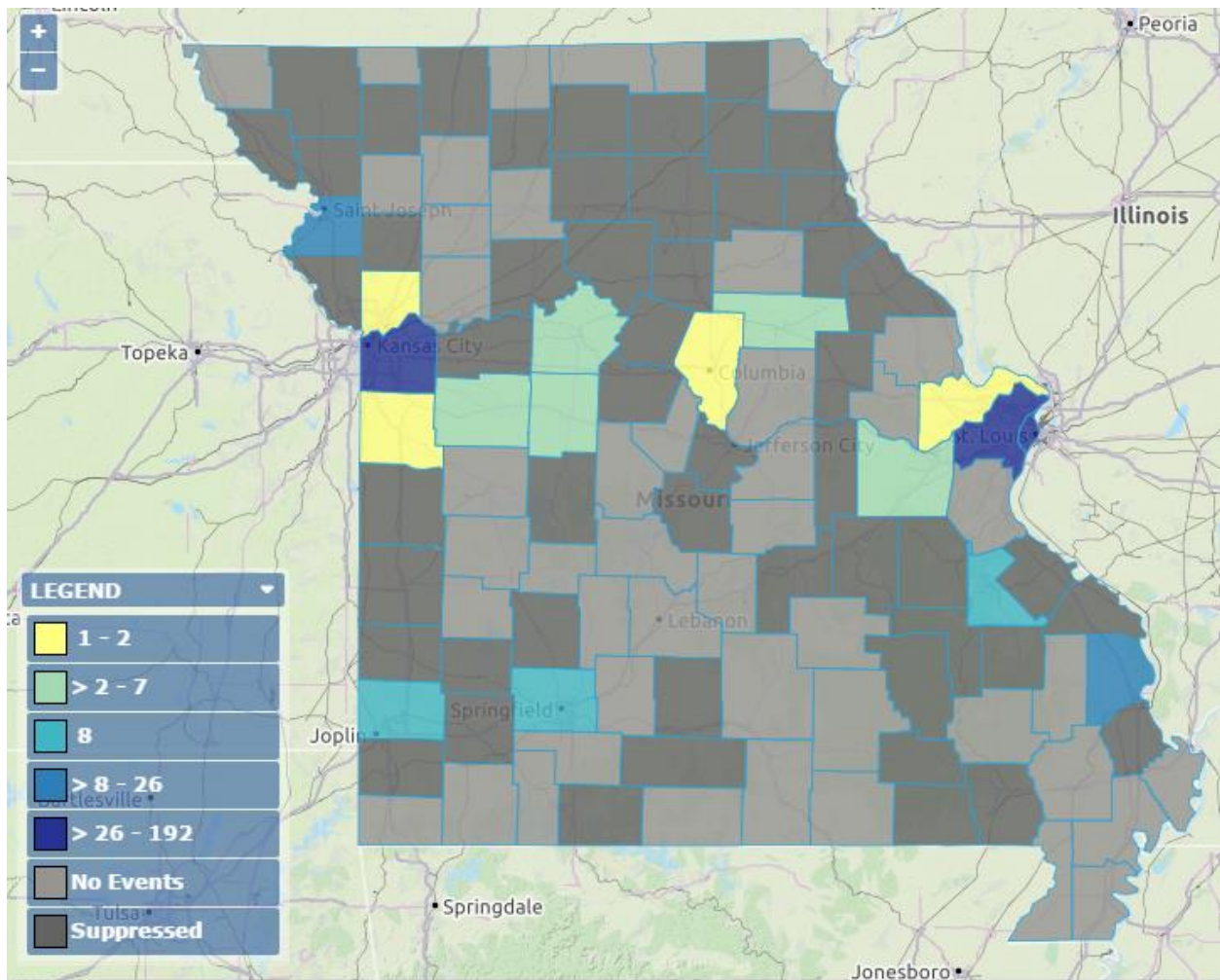


**Source:** Missouri Department of Health and Senior Services, Blood Lead Query System, 2015

## Blood Lead Elevations

In 2015, either no blood lead elevations were reported or the information was suppressed, in the nine counties of Region G. Blood lead elevations are shown in Figure 2.2.

**Figure 2.2 Blood Lead Elevations >10mg/dL Ages 0- 6, 2015**



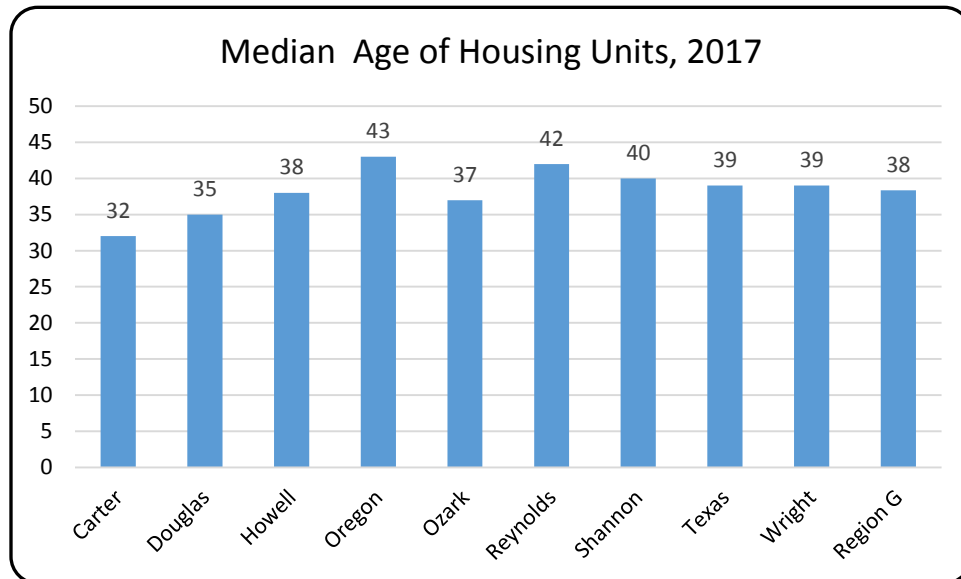
**Source:** Centers for Disease Control, National Environmental Public Health Tracking Network



## Housing Age

Studies indicate childhood lead poisoning can be directly related to availability of safe, affordable housing. The lack of affordable housing can result in families living in older dwellings with deteriorating lead paint, placing children at increased risk for lead poisoning. According to the Census Bureau, the median age of housing ranged from 32 years in Carter County to 43 years in Oregon County. Total housing units and median age in 2017 are shown in Table 2.2.

**Figure 2.3 Median Age of Housing**



**Table 2.2 Median Housing Unit Age, 2017**

County	Total Housing Units	Built Before 1950	% Built Before 1950	Built Between 1950 - 1980	% Built Between 1950 - 1980	Median Age of Total Housing Units (in 2017)	Median Year Structure was Built
Carter	3235	339	10.48	1,042	32.21	32	1985
Douglas	6465	961	14.86	2,120	32.79	35	1982
Howell	18,054	2,315	12.82	6,925	38.56	38	1979
Oregon	5438	1,120	20.60	2,161	39.74	43	1974
Ozark	5627	783	13.92	2,037	36.2	37	1980
Reynolds	4015	571	14.22	1,918	47.77	42	1975
Shannon	4126	627	15.20	1,752	42.46	40	1977
Texas	11,609	1,840	15.85	4,327	37.27	39	1978
Wright	8,628	1,436	16.64	3,221	37.33	39	1978
Region G	<b>67,197</b>	<b>9,992</b>	<b>14.95</b>	<b>25,503</b>	<b>37.95</b>	<b>38</b>	<b>1979</b>
Missouri	2,729,862	527,300	19.32	1,044,598	38.27	42	1975

**Source:** U.S. Census Bureau, American Fact Finder.

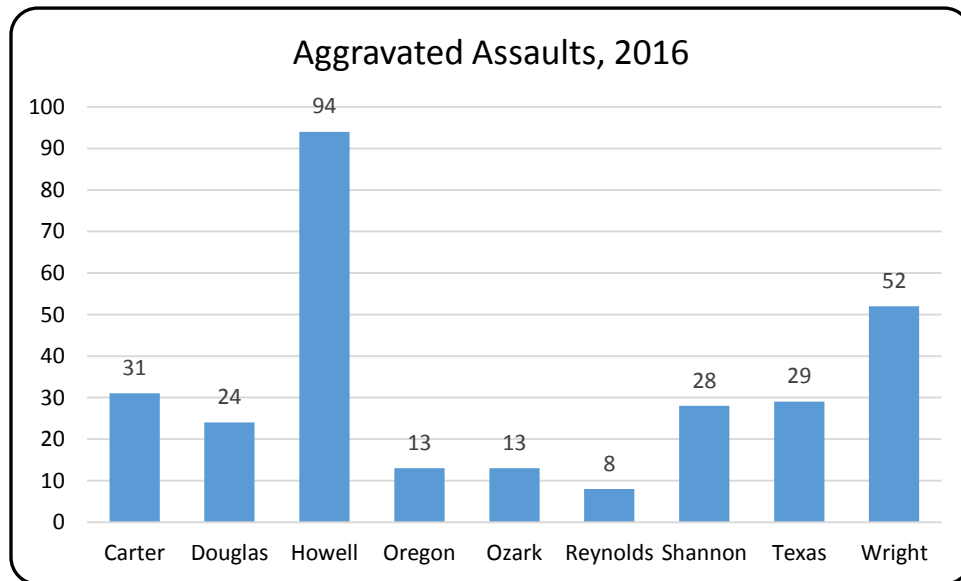
## **Section III**

# **Public Safety and Domestic Violence**

## Crime

The Missouri State Highway Patrol's Uniform Crime Reporting Program identifies a total of 7 murders, 292 assaults, and 483 burglaries, 1482 larceny thefts, 161 vehicle thefts, and 25 forcible rapes within Region G in 2012. Occurrences of these crimes are shown in Table 3.1.

**Figure 3.1 Aggravated Assaults**



**Table 3.1 Homicides, Assaults, and Burglaries 2016**

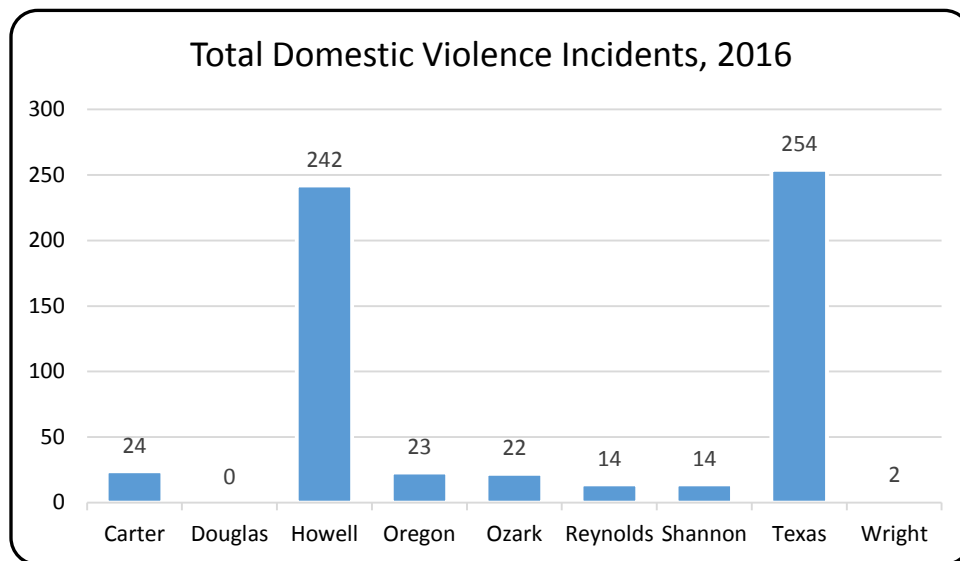
County	Homicides / Manslaughter	Aggravated Assaults	Burglaries	Larceny Theft	Motor Vehicle Theft	Forcible Rape
Carter	0	31	34	50	4	5
Douglas	0	24	31	95	8	0
Howell	2	94	173	658	70	12
Oregon	0	13	23	58	6	1
Ozark	0	13	23	50	6	0
Reynolds	2	8	13	28	9	1
Shannon	0	28	8	52	11	3
Texas	3	29	106	280	21	2
Wright	0	52	72	211	26	1
Region G	<b>7</b>	<b>292</b>	<b>483</b>	<b>1482</b>	<b>161</b>	<b>25</b>
Missouri	537	21921	31621	120347	18258	2415

**Source:** Missouri State Highway Patrol, Uniform Crime Reporting (UCR) Program

## Domestic Violence

Domestic Violence incidents include any dispute arising between spouses, persons with children in common regardless of whether they reside together, persons related by blood, persons related by marriage, non-married persons currently residing together, and non-married persons who have resided together in the past. Reported incidents ranged from a total of 0 in Wright County to 254 in Texas County in 2016. Douglas County had no data available. Domestic violence incidents are shown in Table 3.2.

**Figure 3.2 Domestic Violence**



**Table 3.2 Domestic Violence Incidents, 2016**

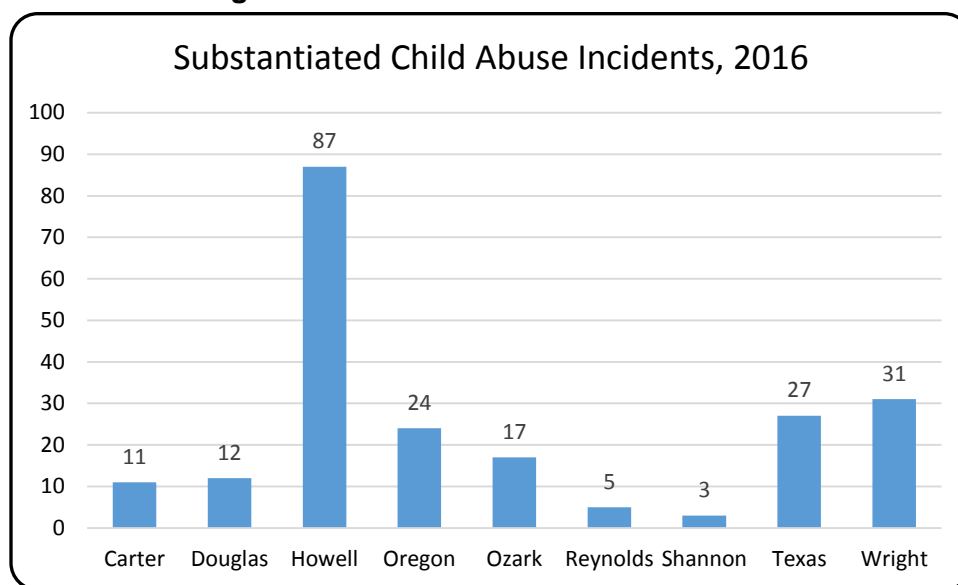
County	Between Spouses	Between Former Spouses	Between Separated Persons who have a Child in Common	Between Blood Relatives	Between Persons Not Married but Residing Together	Others	Total Incidents Reported, 2016
Carter	4	0	6	4	8	2	24
Douglas	ND	ND	ND	ND	ND	ND	ND
Howell	61	3	20	42	59	57	242
Oregon	16	1	0	0	1	5	23
Ozark	8	0	2	1	2	9	22
Reynolds	4	1	0	1	6	2	14
Shannon	4	1	1	4	2	2	14
Texas	59	12	17	41	83	42	254
Wright	1	0	0	0	1	0	2
Region G	<b>157</b>	<b>18</b>	<b>46</b>	<b>93</b>	<b>162</b>	<b>119</b>	<b>595</b>
Missouri	7,284	899	5,061	8,666	9,049	13,407	44366

**Source:** Missouri State Highway Patrol, Uniform Crime Reporting (UCR) Program

## Child Abuse and Neglect

There was a total of 217 substantiated incidents in the report area in 2016, ranging from 3 in Shannon County to 87 in Howell County. Substantiated child abuse/neglect incidents, unsubstantiated incidents, Family Assessments, and number of children are shown in Table 3.3.

**Figure 3.3 Child Abuse/Neglect**



**Table 3.3 Substantiated Child Abuse or Neglect, 2016**

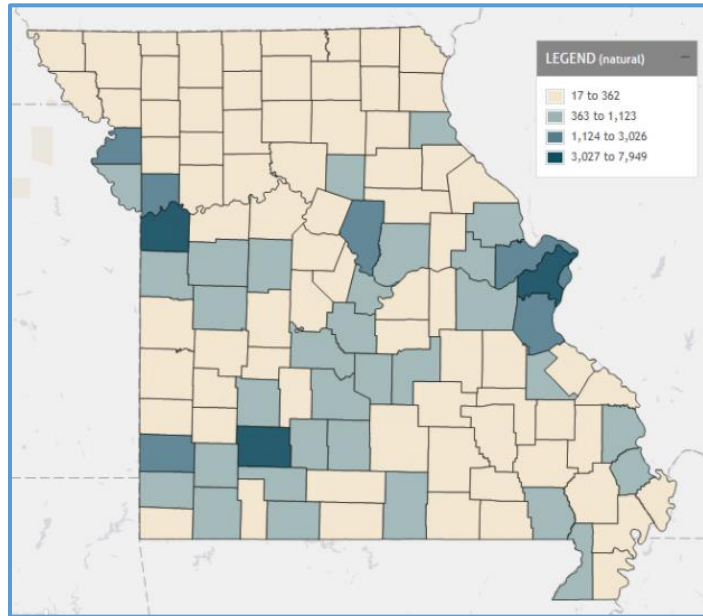
County	Substantiated	Unsubstantiated (PSI)	Unsubstantiated	Family Assessment	Other	Total
Carter	11	4	29	45	2	91
Douglas	12	14	57	86	5	174
Howell	87	115	297	602	26	1127
Oregon	24	14	51	59	3	151
Ozark	17	6	48	86	10	167
Reynolds	5	30	0	0	3	38
Shannon	3	38	1	8	1	51
Texas	27	148	5	19	10	209
Wright	31	115	8	13	21	188
Region G	<b>217</b>	<b>484</b>	<b>496</b>	<b>918</b>	<b>81</b>	<b>2196</b>
Missouri	4346	3535	21,458	38410	4639	72,388

**Source:** Missouri Department of Social Services, Children's Division, Fiscal Year 2016 Annual Report

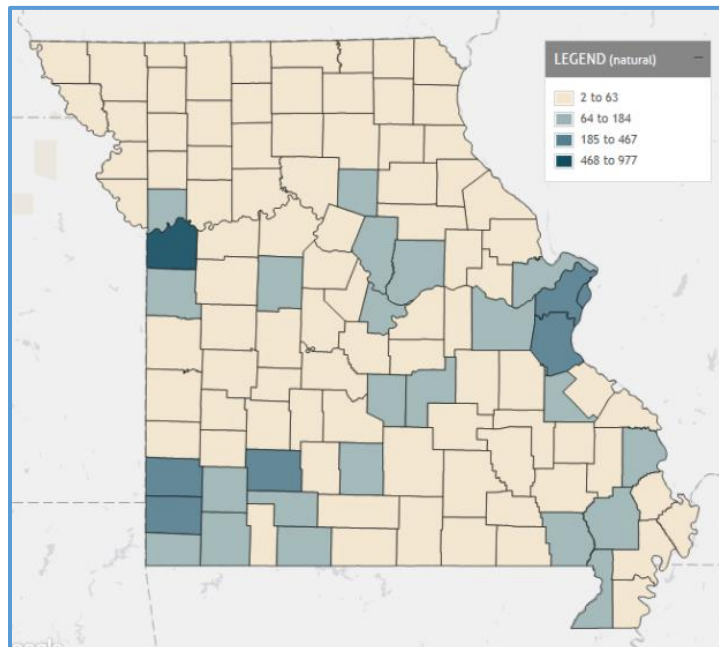
## Child Abuse/Neglect Family Assessments and Out-of-Home Placements

Two maps, provided by Missouri Kids Count, illustrate the numbers of family assessments and out-of-home placements, by county, in 2014 (most current data available from source).

**Figure 3.4 Child Abuse/Neglect & Family Assessments, 2014**



**Figure 3.5 Out-of-home Placements, 2014**

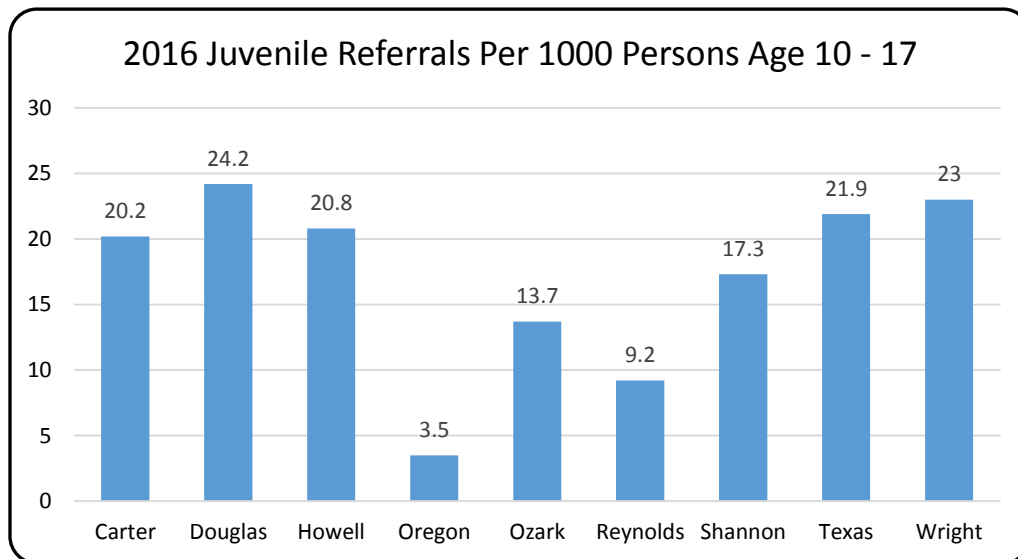


**Source:** Kids Count Data Center, Safety and Risky Behaviors Indicators, 2014

## Juvenile Court Referrals

Missouri Kids Count data indicates Douglas County had the highest rate of juvenile court referrals per 1000 persons age 10-17 at 24.2 and Oregon had the least with 3.5. The number of juvenile court referrals and the rate of referrals per 1000 persons age 10 to 17 are shown in Table 3.4.

**Figure 3.6 Juvenile Court Referrals, 2016**



**Table 3.4 Juvenile Court Referrals, 2016**

County	Number of Referrals Persons Age 10 to 19, 2011	Law Violation Referrals, ages 10-17, per 1000
Carter	14	20.2
Douglas	85	24.2
Howell	90	20.8
Oregon	4	3.5
Ozark	12	13.7
Reynolds	6	9.2
Shannon	15	17.3
Texas	55	21.9
Wright	23	23
Region G	<b>304</b>	<b>153.8</b>
Missouri	18,595	29.6

Source: Missouri Kids Count

## Illegal Drug Use and Alcohol Abuse

The Missouri Department of Mental Health reports 613 driving while intoxicated or driving under the influence and 1,204 drug related arrests, in Region G, during 2014. A total of 32 methamphetamine labs were seized, by the Missouri Highway Patrol, in the nine-county area. The number of DWI/DUI arrests, drug arrests, and methamphetamine lab incidents are shown in Table 3.5.

**Table 3.5 Illegal Drug Use and Alcohol Abuse, 2014**

County	DUI/DWI Arrests	Drug Arrests	Methamphetamine Lab Incidents
Carter	41	88	2
Douglas	41	146	1
Howell	183	376	11
Oregon	34	26	ND
Ozark	53	86	ND
Reynolds	20	36	ND
Shannon	28	105	2
Texas	118	133	9
Wright	95	208	7
<b>Region G</b>	<b>613</b>	<b>1,204</b>	<b>32</b>
Missouri	26,362	35,290	1,045

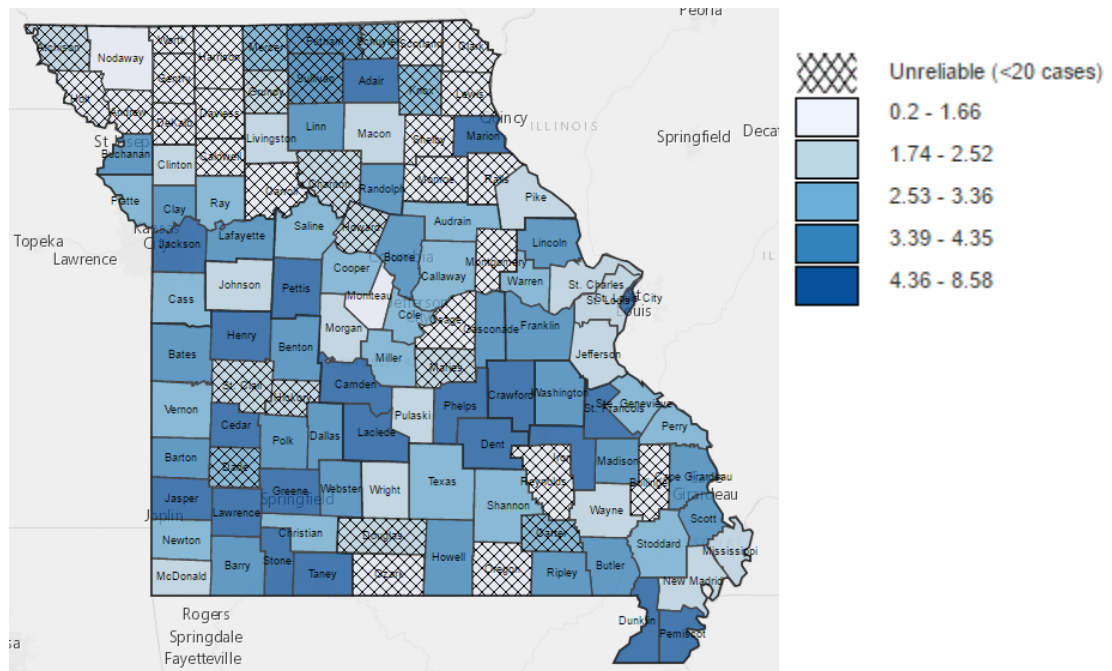
**Source:** Missouri Department of Mental Health, Status Report on Missouri's Substance Use & Mental Health



## Alcohol and Substance Abuse Related Emergency Room Visits

According to Missouri Department of Health and Senior Services, outpatient emergency room visits for alcohol-related mental disorders occur at a rate of 2.64 per 1,000 and outpatient emergency room visits for substance-related mental disorders occur at a rate of 4.18 per 1,000 across the state. Outpatient Emergency Room visits for alcohol-related and substance related incidents are shown in Table 3.6.

**Figure 3.7 Alcohol and Substance Abuse Related Emergency Room Visits**



**Table 3.6 Outpatient Emergency Room Visits, 2014**

County	Number of total events for Alcohol and Substance Abuse	Rate per 1,000
Carter	15	2.60
Douglas	19	1.74
Howell	135	3.86
Oregon	13	1.28
Ozark	9	1.21
Reynolds	7	1.26
Shannon	21	2.92
Texas	60	2.59
Wright	32	2.23
<b>Region G</b>	<b>311</b>	<b>2.62</b>
<b>Missouri</b>	<b>24,526</b>	<b>4.18</b>

**Source:** Missouri Department of Health and Senior Services

## Alcohol and Substance Abuse Related Hospitalizations

The Missouri Department of Health and Senior Services reports that Howell County led Region G in alcohol and substance related hospitalizations, in 2014. Hospitalizations by county, regions and state are listed in table 3.7.

**Table 3.7 Hospitalizations, 2014**

County	Number of total events for Alcohol and Substance Abuse, 2014	Rate per 1,000
Carter	7	13.9
Douglas	22	20.54
Howell	164	49.39
Oregon	39	41.98
Ozark	12	17
Reynolds	10	15.51
Shannon	25	39.63
Texas	67	29.3
Wright	34	22.05
Region G	380	33.2
Missouri	11,818	20.19

**Source:** Missouri Department of Health and Senior Services

## Alcohol and Substance Abuse Related Deaths

Howell and Ozark Counties ranked in the first quintile for alcohol/drug induced deaths. Howell County had an age-adjusted rate per 100,000 in population of 28.6, significantly greater than the age adjusted rate of 20.2 across Missouri.

**Table 3.8 Death Rates: Alcohol/Drug-Induced**

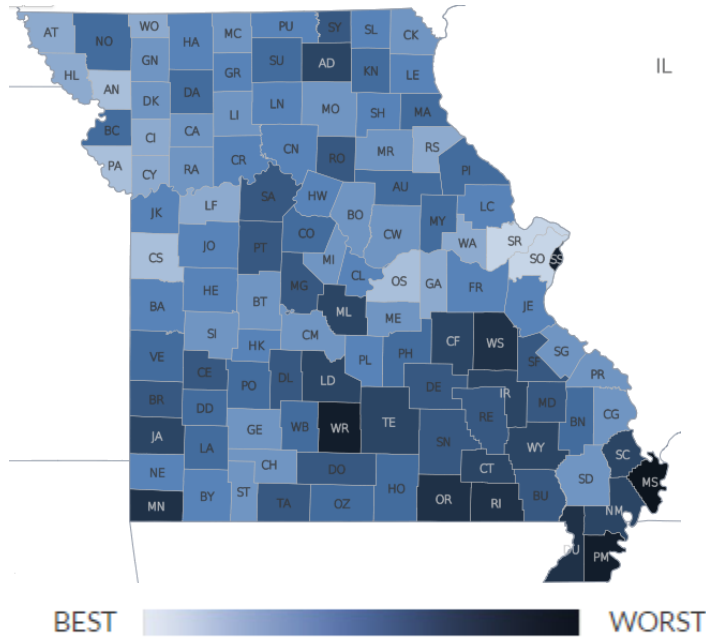
County	Number of total events for Alcohol and Substance Abuse, 2003 - 2013	Rate per 1,000
Carter	12	20.7
Douglas	12	7.9
Howell	118	28.6
Oregon	11	10.4
Ozark	26	27.9
Reynolds	15	19
Shannon	15	16.4
Texas	47	16.6
Wright	26	13.5
Region G	282	17.89
Missouri	13,280	20.2

**Source:** Missouri Department of Health and Senior Services

## Tobacco Use

According to the County Health Rankings and Roadmaps, 23.7% of Region G residents currently used a form of tobacco. The current combined cigarette smoking, smokeless tobacco, and other tobacco usage rates are shown in Table 3.9.

**Figure 3.8 Tobacco Use Percent by County, 2014**



**Table 3.9 Region G Adult Tobacco Use / Current Cigarette Smoking by County, 2014**

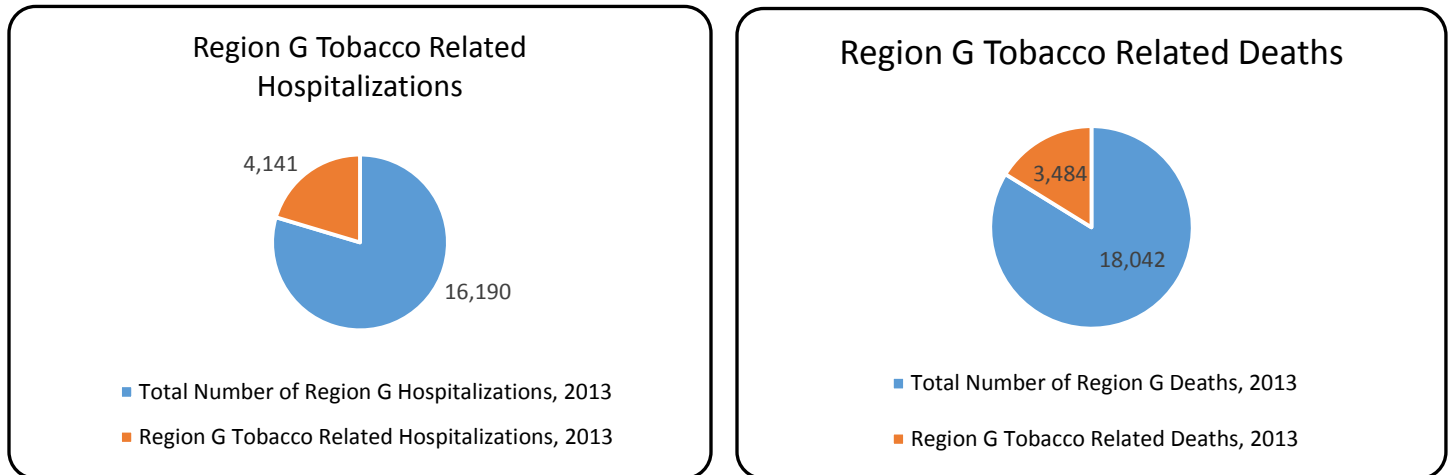
County	Prevalence Rate (%), 2014
Carter	24.0
Douglas	23.0
Howell	23.0
Oregon	23.0
Ozark	23.0
Reynolds	24.0
Shannon	23.0
Texas	25.0
Wright	25.0
<b>Region G</b>	<b>23.7</b>
Missouri	22.0

Source: [County Health Rankings and Roadmaps](#)

## Tobacco Summary: Region G

According to Missouri Department of Health and Senior Services, tobacco related deaths accounted for 3,309 of the 17,715 deaths in Region G and tobacco related hospitalizations accounted for 29 percent of the region's 18,031 hospitalizations in 2006.

**Figure 3.9 Region G Hospitalizations and Deaths**



**Table 3.10 Tobacco Related Hospitalizations, 2013**

Indicator	Number
Total Number of Region G Hospitalizations, 2013	16,190
Region G Tobacco Related Hospitalizations, 2013	4,141

**Table 3.11 Tobacco Related Deaths, 2013**

Indicator	Number
Total Number of Region G Deaths, 2013	18,042
Region G Tobacco Related Deaths, 2013	3,484

**Source:** Missouri Department of Health and Senior Services

## Tobacco Summary: Carter County

Figure 3.10 Carter County Tobacco Related Deaths and Hospitalizations

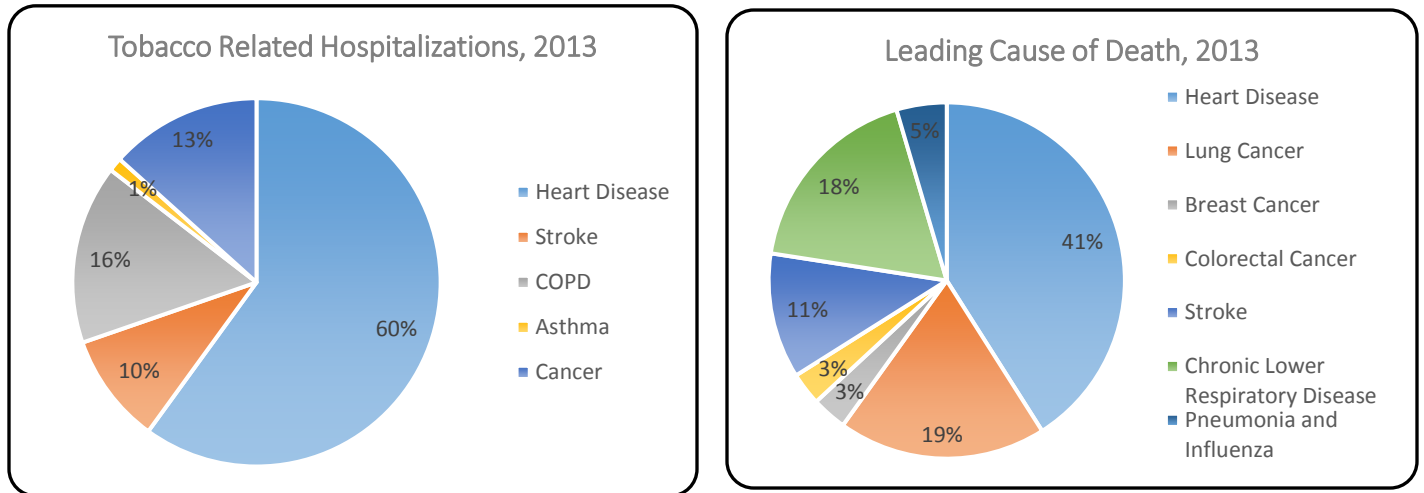


Table 3.12 Tobacco Summary

Carter County Tobacco Summary		
Population, 2016		6,265
Adult Smokers (%), 2015		24.0
Hospitalizations, 2013:	Heart Disease	99
	Stroke	16
	COPD	26
	Asthma	2
	Cancer	22
	Other Hospitalizations Not Related to Tobacco	745
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>165</b>
Leading Cause of Death, 2013	Heart Disease	180
	Lung Cancer	83
	Breast Cancer	14
	Colorectal Cancer	13
	Stroke	50
	Chronic Lower Respiratory Disease	79
	Pneumonia and Influenza	20
	<b>Smoking-Attributable Deaths</b>	<b>188</b>

Source: Missouri Department of Health and Senior Services

## Tobacco Summary: Douglas County

Figure 3.11 Douglas County Tobacco Related Deaths and Hospitalizations

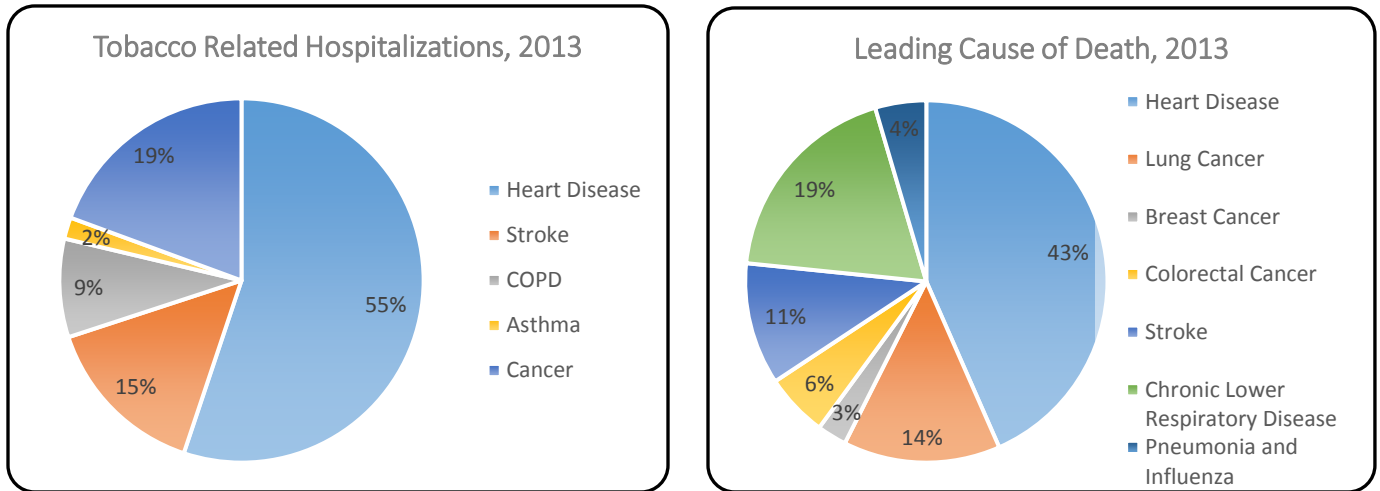


Table 3.13 Tobacco Summary

Douglas County Tobacco Summary		
Population, 2016		13,358
Adult Smokers (%), 2015		23.0
Hospitalizations, 2013:	Heart Disease	145
	Stroke	39
	COPD	23
	Asthma	5
	Cancer	51
	Other Hospitalizations Not Related to Tobacco	854
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>263</b>
Leading Cause of Death, 2013	Heart Disease	362
	Lung Cancer	117
	Breast Cancer	22
	Colorectal Cancer	47
	Stroke	91
	Chronic Lower Respiratory Disease	157
	Pneumonia and Influenza	38
	<b>Smoking-Attributable Deaths</b>	<b>323</b>

Source: Missouri Department of Health and Senior Services

# Tobacco Summary: Howell County

Figure 3.12 Howell County Tobacco Related Deaths and Hospitalizations

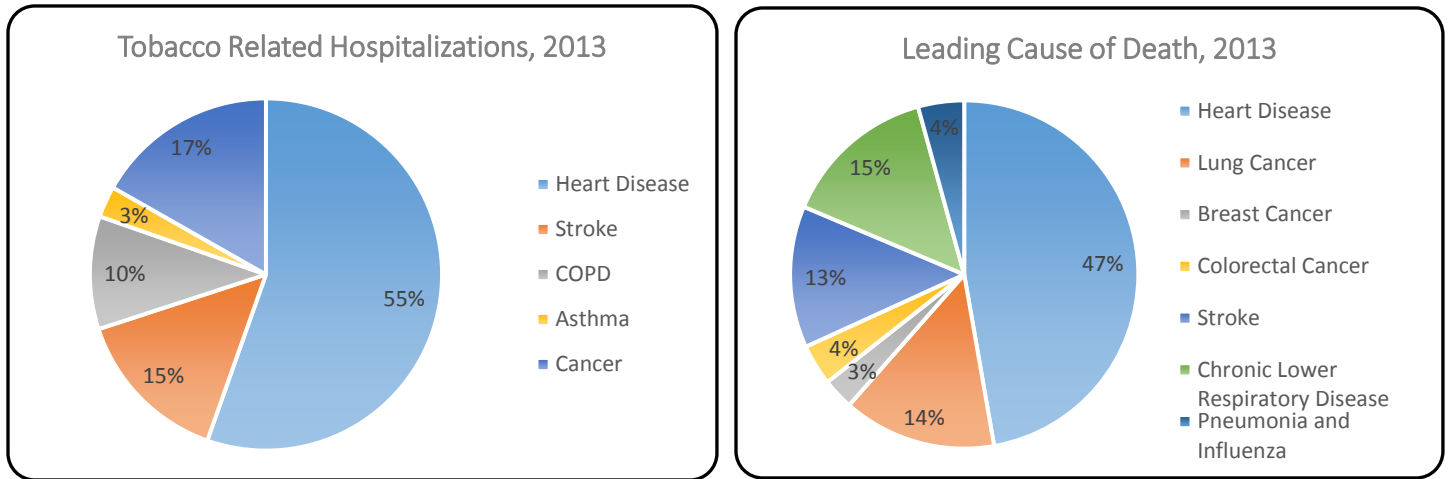


Table 3.14 Tobacco Summary

Howell County Tobacco Summary		
Population, 2016		40,210
Adult Smokers (%), 2015		23.0
Hospitalizations, 2013:	Heart Disease	502
	Stroke	132
	COPD	94
	Asthma	26
	Cancer	152
	Other Hospitalizations Not Related to Tobacco	4,082
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>906</b>
Leading Cause of Death, 2013	Heart Disease	1,270
	Lung Cancer	383
	Breast Cancer	78
	Colorectal Cancer	102
	Stroke	354
	Chronic Lower Respiratory Disease	386
	Pneumonia and Influenza	115
	<b>Smoking-Attributable Deaths</b>	<b>994</b>

Source: Missouri Department of Health and Senior Services



# Tobacco Summary: Oregon County

Figure 3.13 Oregon County Tobacco Related Deaths and Hospitalizations

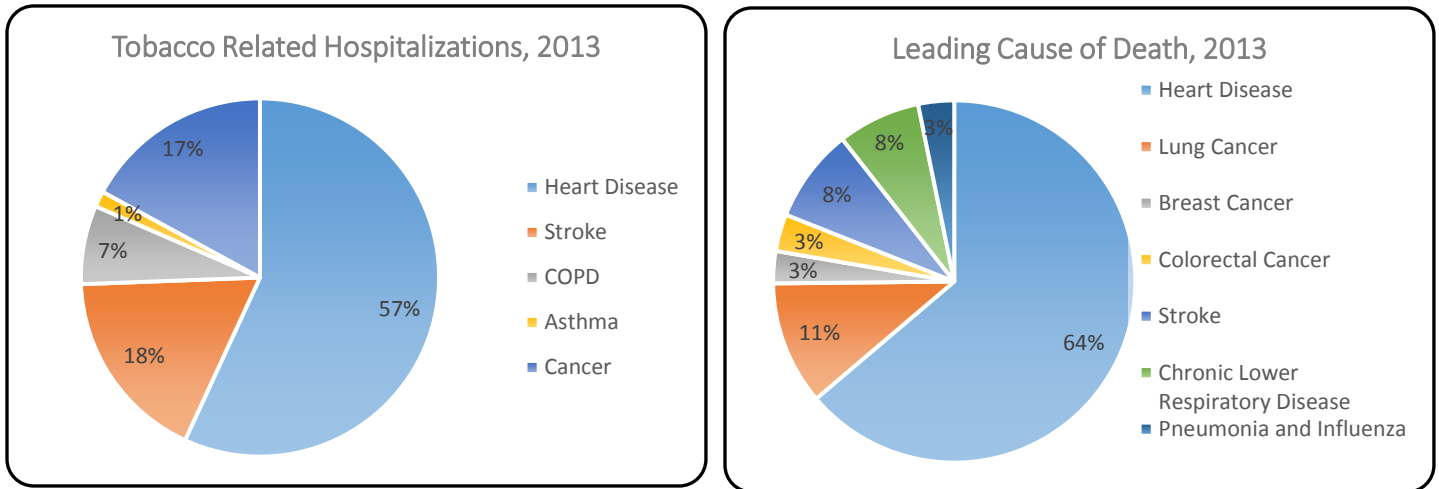


Table 3.15 Tobacco Summary

Oregon County Tobacco Summary		
Population, 2016		10,789
Adult Smokers (%), 2015		23.0
Hospitalizations, 2013:	Heart Disease	120
	Stroke	37
	COPD	15
	Asthma	3
	Cancer	36
	Other Hospitalizations Not Related to Tobacco	855
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>211</b>
Leading Cause of Death, 2013	Heart Disease	578
	Lung Cancer	100
	Breast Cancer	26
	Colorectal Cancer	30
	Stroke	76
	Chronic Lower Respiratory Disease	67
	Pneumonia and Influenza	29
	<b>Smoking-Attributable Deaths</b>	<b>251</b>

Source: Missouri Department of Health and Senior Services

## Tobacco Summary: Ozark County

Figure 3.14 Ozark County Tobacco Related Deaths and Hospitalizations

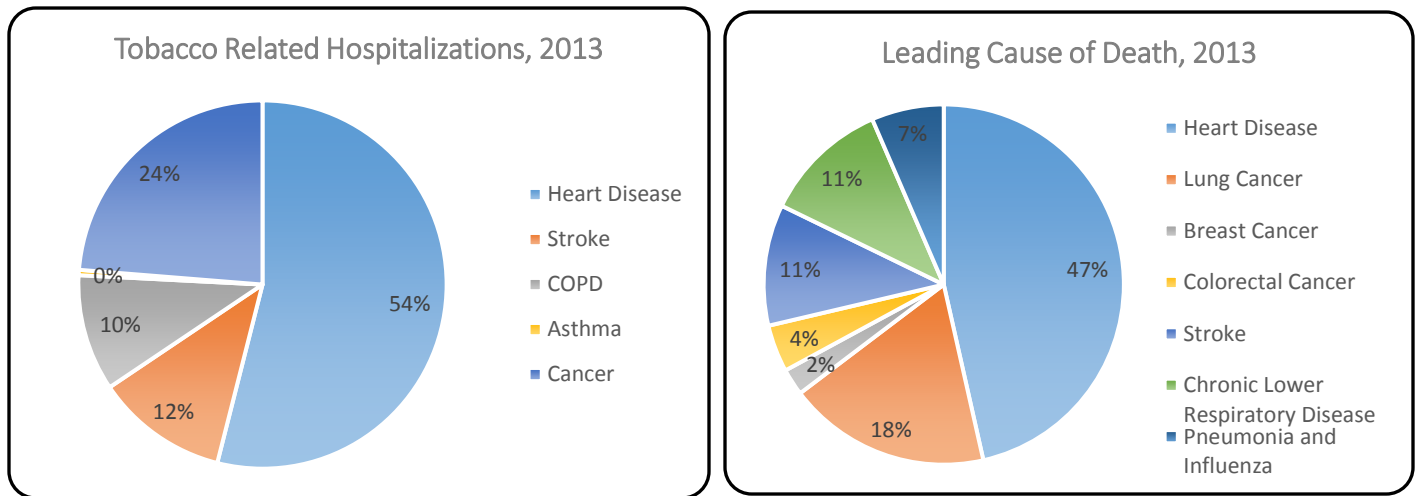


Table 3.16 Tobacco Summary

Ozark County Tobacco Summary		
Population, 2016		9,237
Adult Smokers (%), 2015		23.0
Hospitalizations, 2013:	Heart Disease	116
	Stroke	25
	COPD	22
	Asthma	1
	Cancer	51
	Other Hospitalizations Not Related to Tobacco	680
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>249</b>
Leading Cause of Death, 2013	Heart Disease	329
	Lung Cancer	129
	Breast Cancer	17
	Colorectal Cancer	30
	Stroke	77
	Chronic Lower Respiratory Disease	80
	Pneumonia and Influenza	46
	<b>Smoking-Attributable Deaths</b>	<b>269</b>

Source: Missouri Department of Health and Senior Services

## Tobacco Summary: Reynolds County

Figure 3.15 Reynolds County Tobacco Related Deaths and Hospitalizations

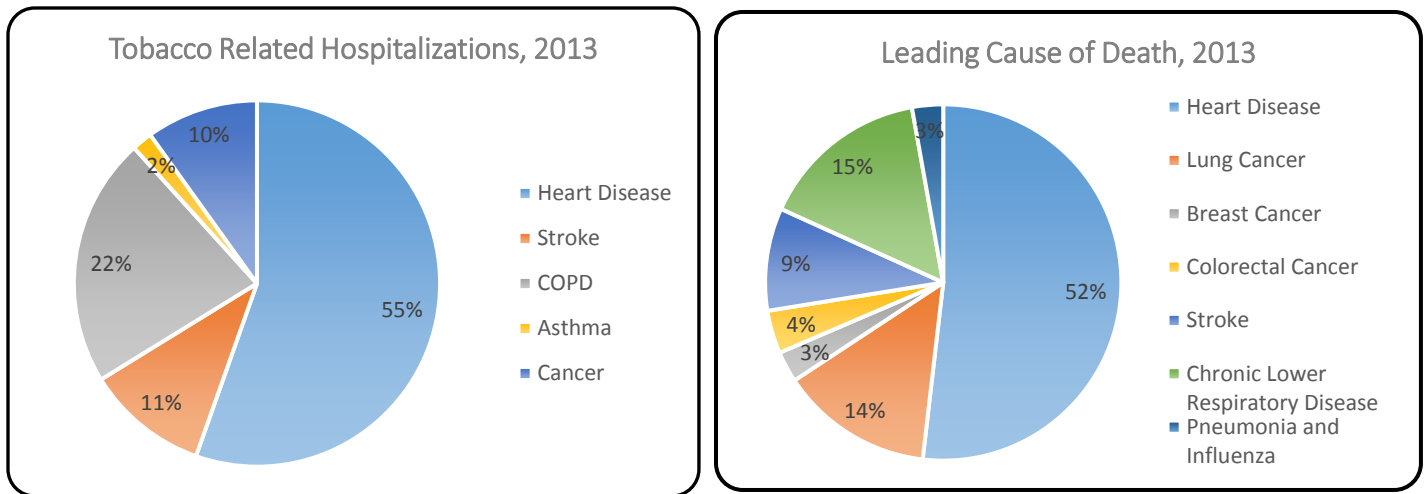


Table 3.17 Reynolds County Tobacco Summary

Reynolds County Tobacco Summary		
Population, 2016	6,455	
Adult Smokers (%), 2015	23.0	
Hospitalizations, 2013:	Heart Disease	123
	Stroke	24
	COPD	49
	Asthma	4
	Cancer	22
	Other Hospitalizations Not Related to Tobacco	642
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>222</b>
Leading Cause of Death, 2013	Heart Disease	239
	Lung Cancer	64
	Breast Cancer	13
	Colorectal Cancer	18
	Stroke	43
	Chronic Lower Respiratory Disease	71
	Pneumonia and Influenza	13
	<b>Smoking-Attributable Deaths</b>	<b>180</b>

Source: Missouri Department of Health and Senior Services

## Tobacco Summary: Shannon County

Figure 3.16 Shannon County Tobacco Related Deaths and Hospitalizations

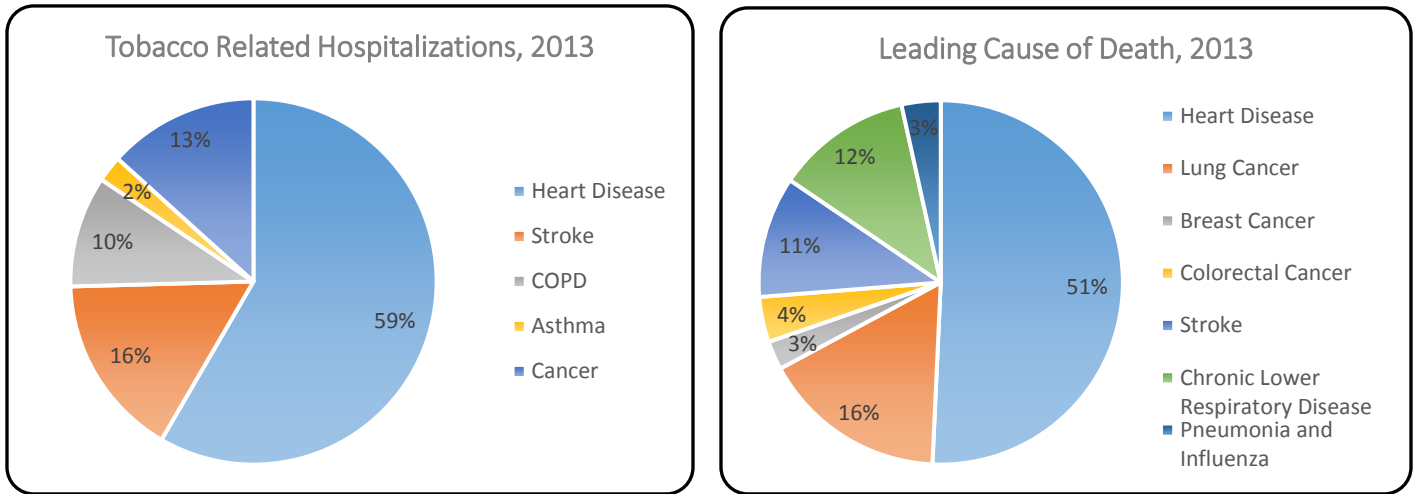


Table 3.18 Shannon County Tobacco Summary

Shannon County Tobacco Summary		
Population, 2016		8,168
Adult Smokers (%), 2015		24.0
Hospitalizations, 2013:	Heart Disease	101
	Stroke	28
	COPD	17
	Asthma	4
	Cancer	23
	Other Hospitalizations Not Related to Tobacco	687
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>173</b>
Leading Cause of Death, 2013	Heart Disease	278
	Lung Cancer	90
	Breast Cancer	14
	Colorectal Cancer	22
	Stroke	59
	Chronic Lower Respiratory Disease	66
	Pneumonia and Influenza	19
	<b>Smoking-Attributable Deaths</b>	<b>210</b>

Source: Missouri Department of Health and Senior Services

# Tobacco Summary: Texas County

Figure 3.17 Texas County Tobacco Related Deaths and Hospitalizations

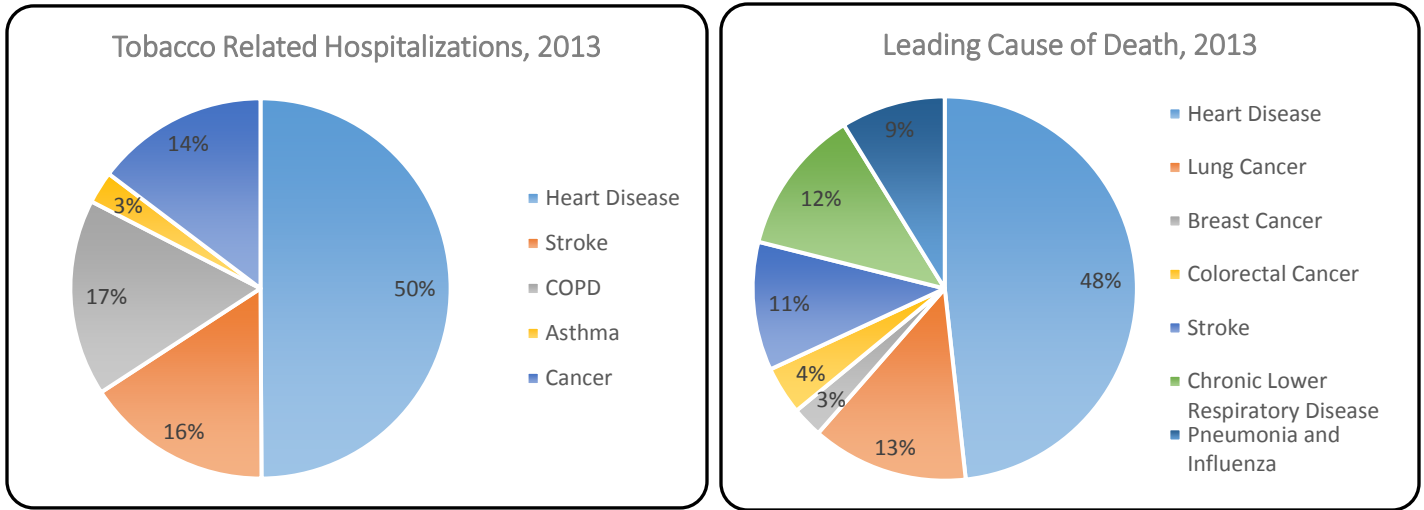


Table 3.19 Texas County Tobacco Summary

Texas County Tobacco Summary		
Texas County Tobacco Summary		25,775
Adult Smokers (%), 2015		23.0
Hospitalizations, 2013:	Heart Disease	292
	Stroke	93
	COPD	98
	Asthma	16
	Cancer	86
	Other Hospitalizations Not Related to Tobacco	2,241
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>585</b>
Leading Cause of Death, 2013	Heart Disease	856
	Lung Cancer	234
	Breast Cancer	46
	Colorectal Cancer	72
	Stroke	192
	Chronic Lower Respiratory Disease	218
	Pneumonia and Influenza	156
	<b>Smoking-Attributable Deaths</b>	<b>610</b>

Source: Missouri Department of Health and Senior Services

## Tobacco Summary: Wright County

Figure 3.18 Wright County Tobacco Related Deaths and Hospitalizations

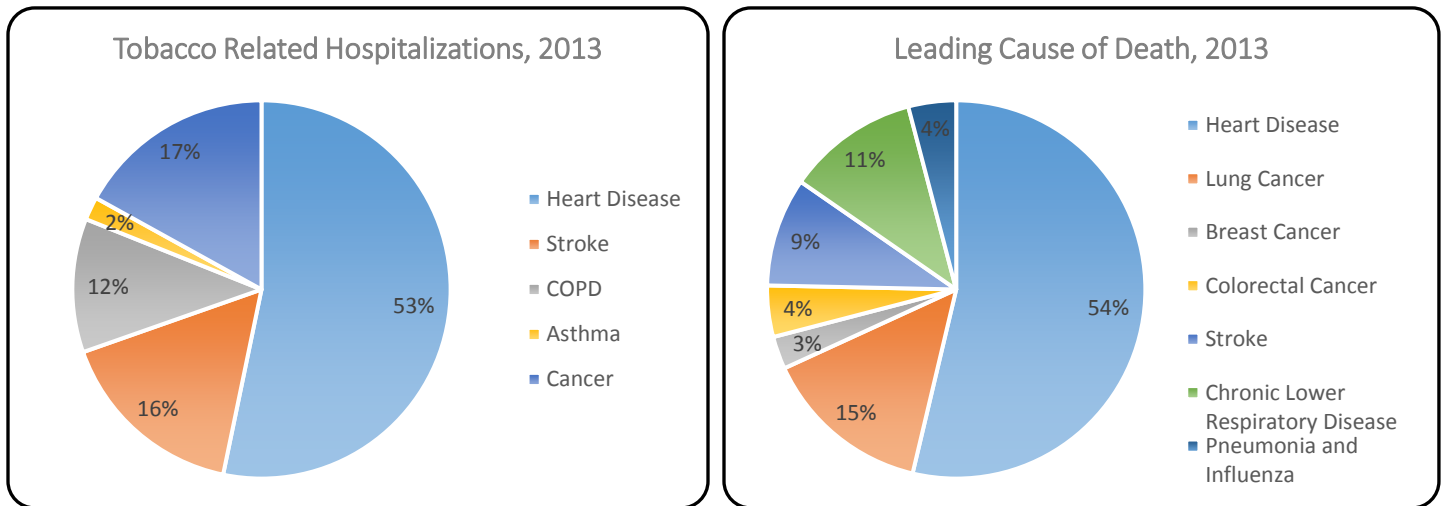


Table 3.20 Wright County Tobacco Summary

Wright County Tobacco Summary		
Population, 2016		18,286
Adult Smokers (%), 2015		25.0
Hospitalizations, 2013:	Heart Disease	270
	Stroke	83
	COPD	58
	Asthma	10
	Cancer	86
	Other Hospitalizations Not Related to Tobacco	2,123
	<b>Total Number of Possible Tobacco Related Hospitalizations</b>	<b>507</b>
Leading Cause of Death, 2013	Heart Disease	710
	Lung Cancer	191
	Breast Cancer	37
	Colorectal Cancer	58
	Stroke	123
	Chronic Lower Respiratory Disease	149
	Pneumonia and Influenza	54
	<b>Smoking-Attributable Deaths</b>	<b>459</b>

Source: Missouri Department of Health and Senior Services

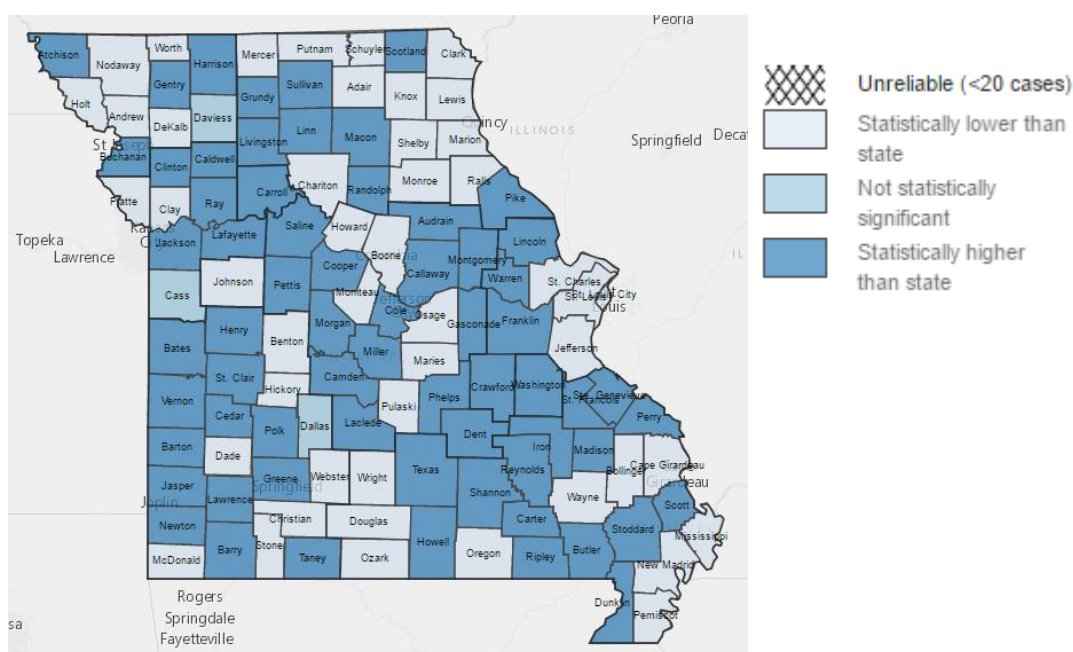
## **Section IV**

### **Injury**

## Unintentional Injuries

Region G experienced 1,030 deaths from unintentional injury during 2013. The map illustrates the rate of unintentional injuries by county. The counties with a higher rate are identified by the darker color. The number of reported unintentional injuries are shown by county, region, and state in Table 4.1.

**Figure 4.1 Map of Missouri Counties, Unintentional Injury Rates, 2013**



**Table 4.1 Total Unintentional Injuries, 2013**

County	Deaths	Hospitalizations	Emergency Room Visits	Total Injuries
Carter	63	514	6,082	6,659
Douglas	92	845	6,455	7,392
Howell	288	3,006	41,561	44,855
Oregon	72	683	7,902	8,657
Ozark	71	647	3,564	4,282
Reynolds	80	603	7,881	8,564
Shannon	71	514	8,666	9,251
Texas	172	1,556	27,545	29,273
Wright	121	1,457	15,951	17,529
<b>Region G</b>	<b>1,030</b>	<b>9,825</b>	<b>125,607</b>	<b>136,462</b>
Missouri	31,863	369,664	5,524,600	5,926,127

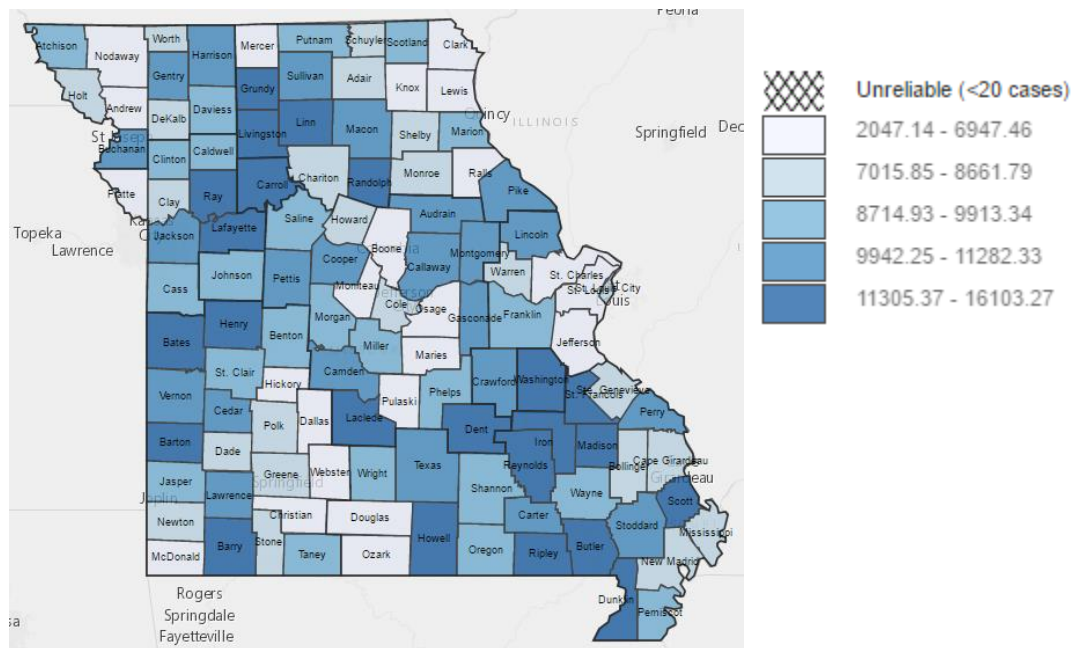
**Source:** Missouri Department of Health and Senior Services, Community Data Profiles



## Injury Rates, By Age Group

Missouri Department of Health and Senior Services reports injuries occurred at a rate of 9750.48 per 100,000 in Region G compared to a state rate of 8362.12 per 100,000, during 2014. Figure 4.2 illustrates the rate of injuries by county and age group. The counties with a higher rate are identified by the darker color. The number of injuries by age is shown in Table 4.2.

**Figure 4.2 Map of Missouri Counties, Injury Rates, 2014**



**Table 4.2 Injuries Counts by Age Group and County, 2014**

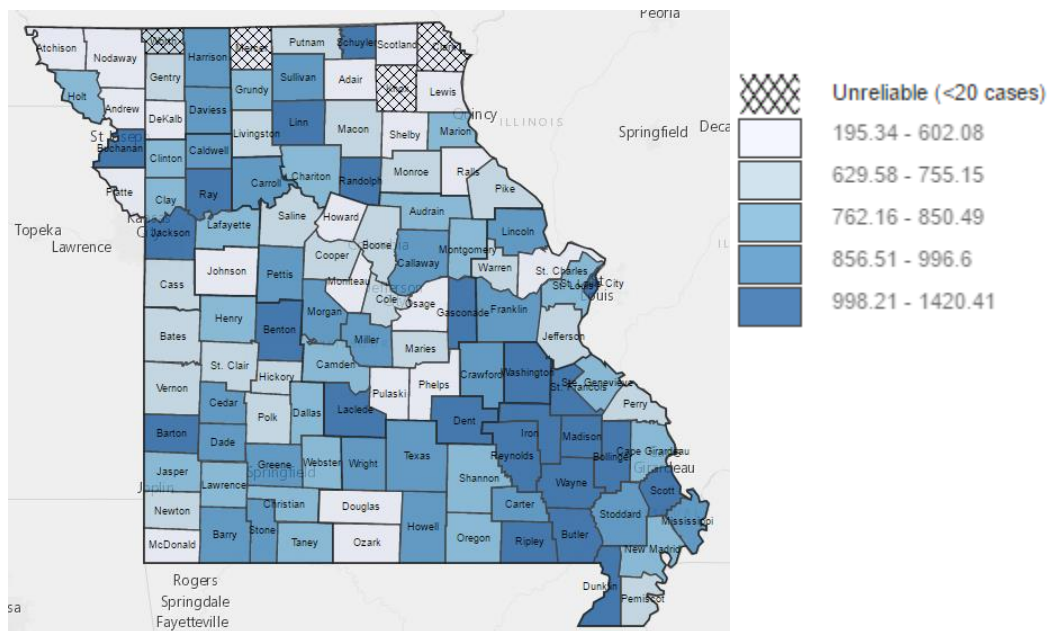
County	Under 15	15 - 24	25 - 44	45 - 64	65 and Over	All Ages
Carter	140	105	154	105	81	585
Douglas	85	72	140	147	111	555
Howell	966	750	1,262	799	657	4,434
Oregon	175	142	208	183	176	884
Ozark	75	49	92	108	63	387
Reynolds	166	164	157	119	129	735
Shannon	167	114	202	145	107	735
Texas	532	354	721	512	395	2,514
Wright	309	274	454	289	264	1,590
Region G	2,615	2,024	3,390	2,407	1,983	12,419
Missouri	104,023	84,470	136,542	97,833	74,977	497,847

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA)

## Injuries: Motor Vehicle Traffic

Missouri Department of Health and Senior Services reports 1,087 injuries were related to motor vehicle traffic accidents, in Region G, during 2014. Figure 4.3 illustrates the rate of injuries by county per 100,000. The counties with a higher rate are identified by the darker color. The number and rate of injuries, by county, are shown in Table 4.3.

**Figure 4.3 Map of Missouri Counties, Motor Vehicle Injury Rates, 2014**



**Table 4.3 Injuries: Motor Vehicle, 2014**

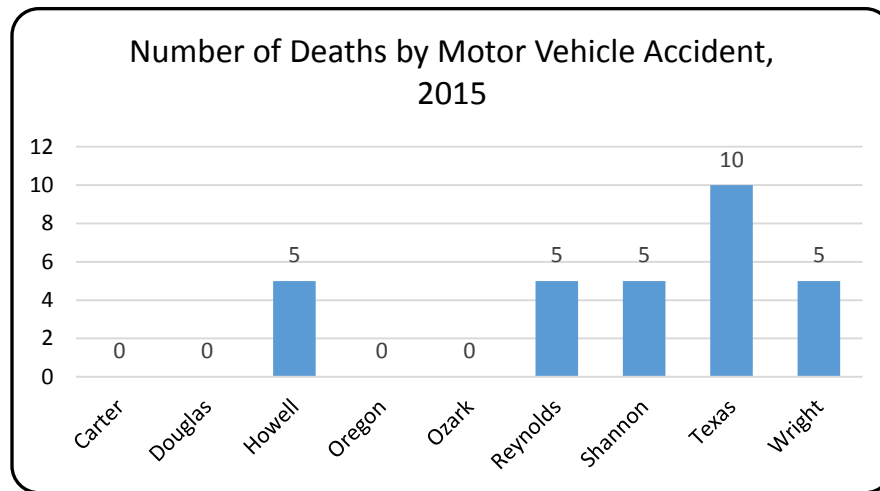
County	Number of Accidents	Rate per 100,000
Carter	51	881.61
Douglas	62	536.57
Howell	372	996.60
Oregon	77	792.54
Ozark	46	602.08
Reynolds	70	1,181.44
Shannon	54	762.16
Texas	203	856.90
Wright	152	943.30
<b>Region G</b>	<b>1,087</b>	<b>868.74</b>
Missouri	49,145	831.63

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA)

## Deaths Related to Motor Vehicle Accidents

Missouri Department of Health and Senior Services reports deaths related to motor vehicle accidents occurred at a rate of 30.3 per 100,000 in Region G compared to a state rate of 14.6 per 100,000 during 2011. Figure 4.4 illustrates the rate of deaths, related to motor vehicle injuries, by county. The counties with a higher rate are identified by the darker color. The number and rate of deaths related to motor vehicle accidents are shown in Table 4.4.

**Figure 4.4 Rates of Deaths Related to Motor Vehicle Injuries, 2015**



**Table 4.4 Deaths Related to Motor Vehicle Injuries, 2015**

County	Number of Events	Rate per 100,000
Carter	x	x
Douglas	0	0.00
Howell	5	12.52
Oregon	x	x
Ozark	0	0.00
Reynolds	5	101.67
Shannon	5	39.95
Texas	10	31.07
Wright	5	23.59
<b>Region G</b>	<b>30</b>	<b>29.83</b>
Missouri	894	14.23

X = indicates the confidentiality rule has been triggered

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA)

## **Section V**

# **Maternal and Child Health Indicators**

## Maternal and Child Health Indicators

According to the Missouri Department of Health and Senior Services, there were 1,660 live births in Region G in 2010, and 1,664 during 2014. This is an increase of 0.21% over the region. The number of live births ranged from 73 in Carter County to 503 in Howell County. Table 5.1 shows the number of births by county.

**Table 5.1 Maternal and Child Health Indicators: Live Births**

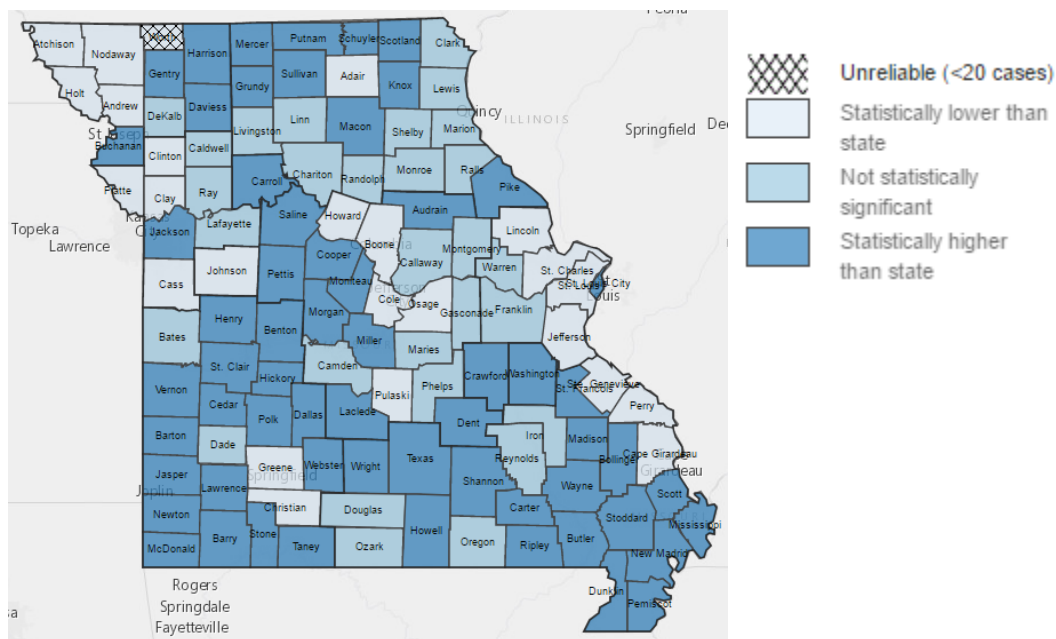
County	Live Births, 2010	Live Births, 2014	Percent Change (%)
Carter	70	73	4.29
Douglas	137	155	13.14
Howell	537	503	-6.33
Oregon	132	145	9.85
Ozark	84	94	11.90
Reynolds	74	58	-21.62
Shannon	111	84	-24.32
Texas	284	297	4.58
Wright	231	255	10.39
<b>Region G</b>	<b>1,660</b>	<b>1,664</b>	<b>0.21</b>
Missouri	76,718	75,104	-2.10

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA)

## Education Status of New Mothers

In 2014, 1,659 or 20.3% of new mothers in Region G had less than 12 years of education. Figure 5.1 illustrates the rate of births to mothers with fewer than twelve years education, in all Missouri Counties. Comparison between 2010 and 2014 of new mothers with fewer than 12 years of education are shown by county in Table 5.2.

**Figure 5.1**



**Table 5.2 Education Status: Mother’s Years of Education, 2014**

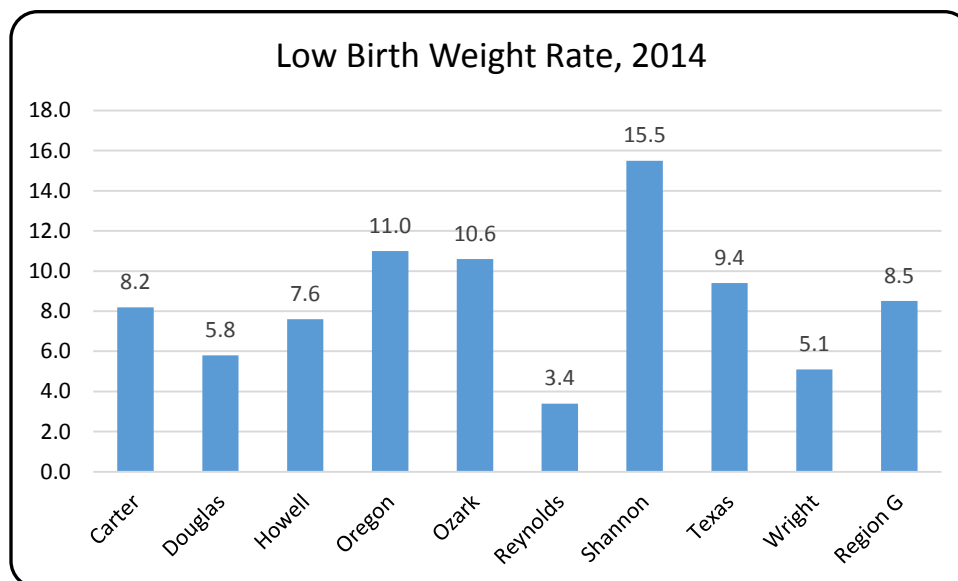
County	Fewer than 12 Years, 2010	Rate per 100	Fewer than 12 years, 2014	Rate per 100	Percent Change (%)
Carter	17	24.3	13	25.5	-3.92
Douglas	24	17.5	116	16.2	-7.43
Howell	122	22.7	552	20.7	-8.81
Oregon	24	18.2	108	17.0	-6.59
Ozark	15	17.9	66	14.7	-17.88
Reynolds	12	16.2	59	18.0	11.11
Shannon	34	30.6	116	23.5	-23.20
Texas	61	21.5	331	22.2	3.26
Wright	66	28.6	298	24.7	-13.64
<b>Region G</b>	<b>375</b>	<b>21.9</b>	<b>1,659</b>	<b>20.3</b>	<b>-7.46</b>
Missouri	13,133	17.1	60,963	16.0	-6.43

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Birth Weight

According to Missouri Department of Health and Senior Services, low birth weights in Region G occurred at a rate of 8.5 percent while the state rate was 8.2 percent. Very low birth weights occurred at a rate of 1.11 percent in Region G. Table 5.3 identifies the rate of low birth weights and very low birth weights by county and state.

**Figure 5.2 Percent Low Birth Weight, 2014**



**Table 5.3 Infant Low Birth weight, 2014**

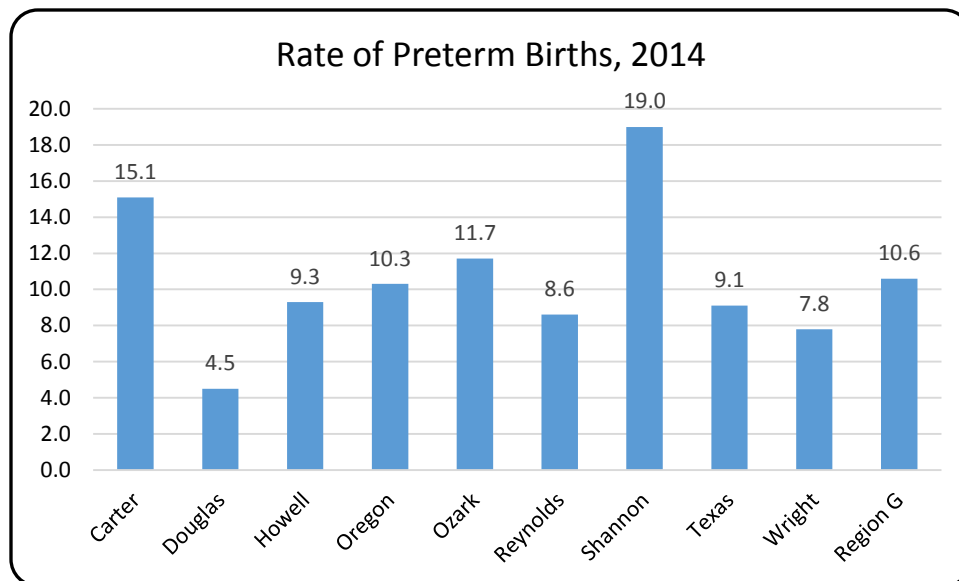
County	Total Births, 2014	# Low Birth Weight	Rate of Low Birth Weight	# Very Low Birth Weight	Rate of Very Low Birthweight
Carter	73	6	8.2	1	1.40
Douglas	155	9	5.8	2	1.30
Howell	503	38	7.6	6	1.20
Oregon	145	16	11.0	2	1.40
Ozark	94	10	10.6	1	1.10
Reynolds	58	2	3.4	0	0.00
Shannon	84	13	15.5	1	1.20
Texas	297	28	9.4	6	2.00
Wright	255	13	5.1	1	0.40
<b>Region G</b>	<b>1,664</b>	<b>135</b>	<b>8.5</b>	<b>20</b>	<b>1.11</b>
Missouri	75,104	6,163	8.2	1,040	1.40

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA)

## Gestation

According to Missouri Department of Health and Senior Services, 10.6 percent of births in Region G had a gestation period of less than 37 weeks, in 2014. Rates of preterm gestation ranged from 4.5 percent in Douglas County to 19.0 percent in Shannon County. Preterm gestations, defined as less than 37 completed weeks of pregnancy, are shown by number and rate in Table 5.4.

**Figure 5.3 Gestation: Preterm Rates (less than 37 completed weeks), 2014**



**Table 5.4 Gestation: Preterm (less than 37 completed weeks), 2014**

County	Total Births, 2014	# of Preterm, 2014	Rate of Preterm per 100
Carter	73	11	15.1
Douglas	155	7	4.5
Howell	503	47	9.3
Oregon	145	15	10.3
Ozark	94	11	11.7
Reynolds	58	5	8.6
Shannon	84	16	19.0
Texas	297	27	9.1
Wright	255	20	7.8
<b>Region G</b>	<b>1,664</b>	<b>159</b>	<b>10.6</b>
Missouri	75,104	7,322	9.7

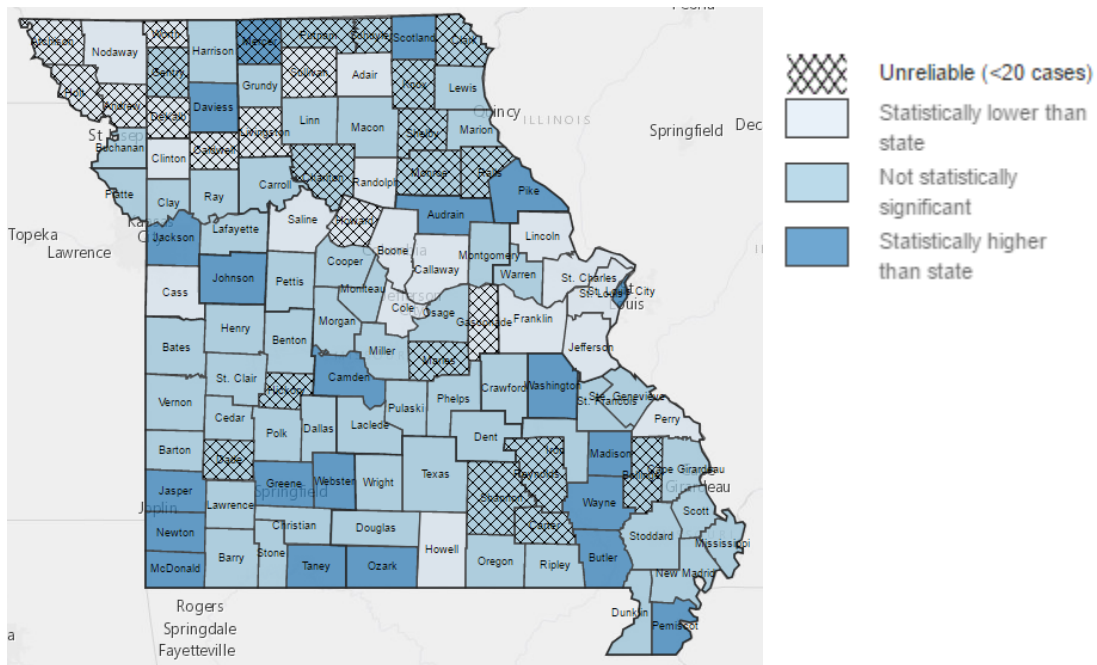
**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA)



## Prenatal Care

Carter, Douglas, Oregon, Ozark, Reynolds and Wright Counties experienced a higher rate of inadequate prenatal care than the average rate in Missouri of 20.2 per 100, based on the Missouri Index. Rates of prenatal care are compared by county, the Region G area, and Missouri in Table 5.5.

**Figure 5.4 Rate of Births with Inadequate Prenatal Care per 100, 2014**



**Table 5.5 Prenatal Care: Inadequate, 2014**

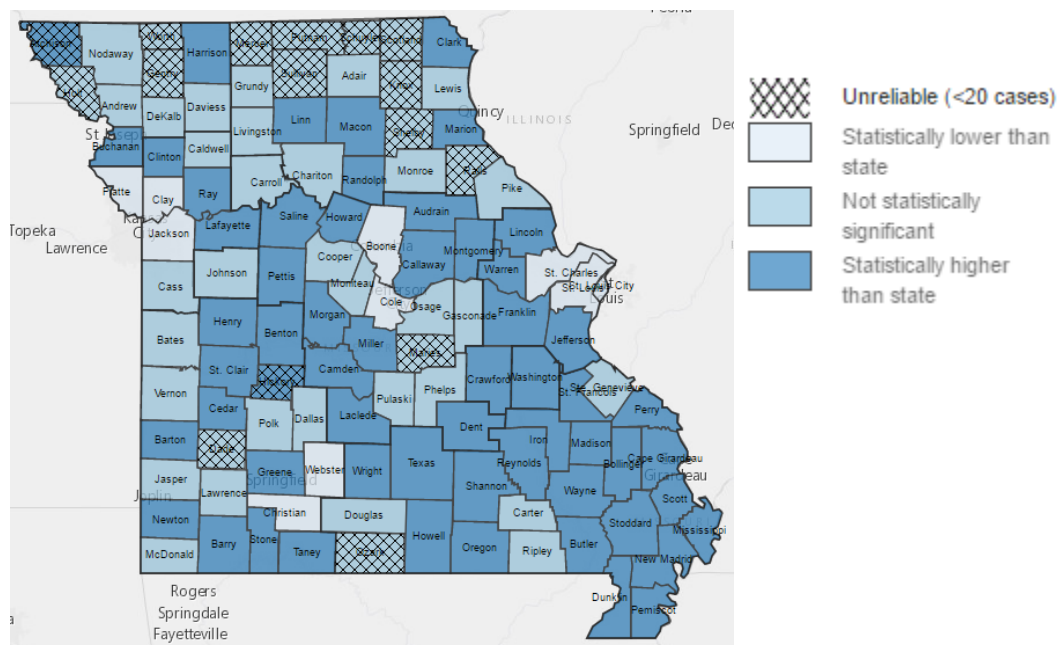
County	Total Births, 2014	# with Inadequate Prenatal Care, 2014	Rate of Births with Inadequate Prenatal Care, per 100
Carter	73	17	24.6
Douglas	155	45	32.8
Howell	503	83	17.3
Oregon	145	35	25.0
Ozark	94	29	32.2
Reynolds	58	13	23.2
Shannon	84	16	19.8
Texas	297	48	19.4
Wright	255	66	27.6
<b>Region G</b>	<b>1,664</b>	<b>352</b>	<b>24.7</b>
Missouri	75,104	14,204	20.2

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Smoked During Pregnancy

According to Missouri Department of Health and Senior Services, 30.5 percent of mothers in Region G smoked during pregnancy in 2014 compared to 16.6 percent of mothers in Missouri. All nine counties reported significantly higher rates of smoking during pregnancy. The number of mothers who smoked during pregnancy are shown in Table 5.6.

**Figure 5.5 Mothers Who Smoked During Pregnancy, Rate per 100, 2014**



**Table 5.6 Smoked During Pregnancy, 2014**

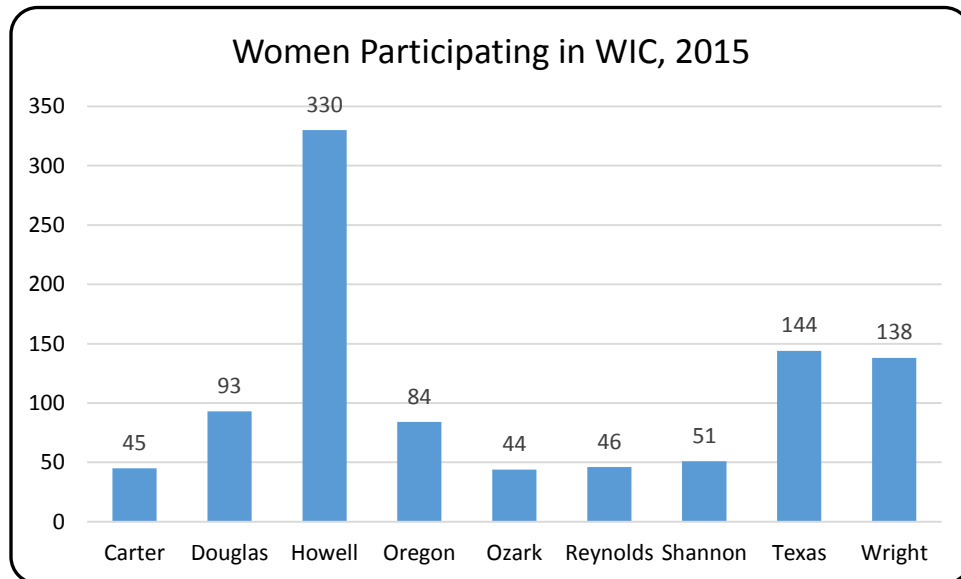
County	Total Births, 2014	# Smoked During Pregnancy, 2014	#Smoked During Pregnancy, 1 or more Packs Per Day	Smoked During Pregnancy Rate per 100, 2014
Carter	73	21	9	28.8
Douglas	155	40	6	25.8
Howell	503	125	17	24.9
Oregon	145	45	6	31.0
Ozark	94	26	6	27.7
Reynolds	58	19	6	32.8
Shannon	84	40	9	47.6
Texas	297	81	9	27.3
Wright	255	74	11	29.0
<b>Region G</b>	<b>1,664</b>	<b>471</b>	<b>79</b>	<b>30.5</b>
Missouri	75,104	12,454	1,723	16.6

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Women, Infants, and Children (WIC) Program

The Missouri Department of Health and Senior Services reported that a total of 5,117 persons in Region G were receiving WIC benefits in 2015. Howell County had the largest number of women (330) receiving WIC benefits, while Ozark County had the fewest women (44) receiving WIC benefits. Prenatal/Postpartum participation, infant participation and child participation in the WIC program are shown in Table 5.7.

**Figure 5.6 Prenatal and/or Postpartum Participation, 2015**



**Table 5.7 Persons Participating in WIC, 2015**

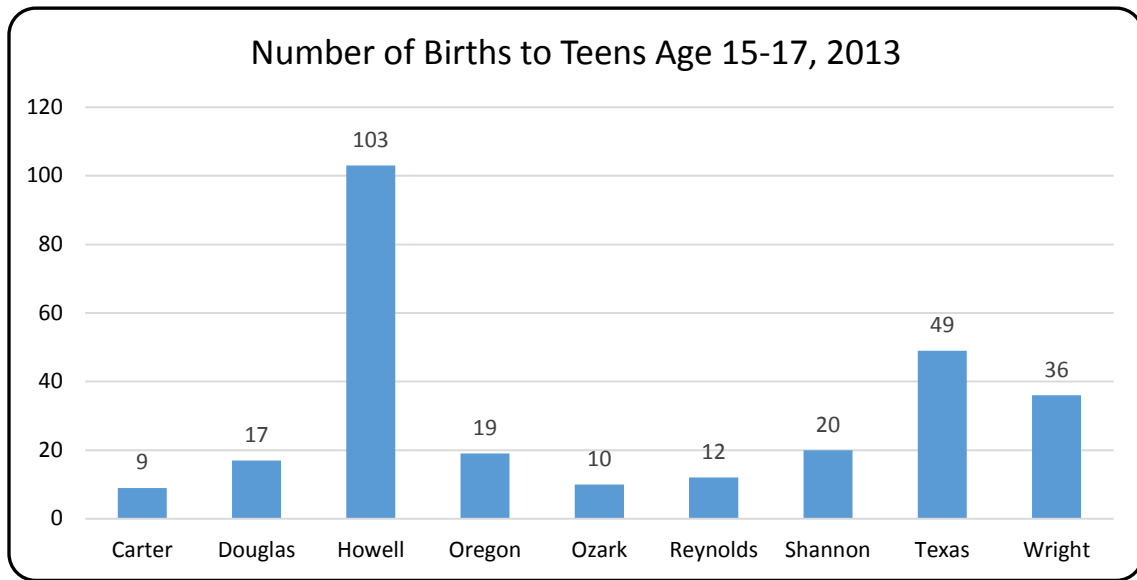
County	Total Births, 2014	Prenatal and/or Postpartum Participation, 2015	Infant Participation, 2015	Child Participation, 2015
Carter	73	45	63	149
Douglas	155	93	118	274
Howell	503	330	408	971
Oregon	145	84	107	276
Ozark	94	44	58	158
Reynolds	58	46	60	102
Shannon	84	51	65	133
Texas	297	144	189	435
Wright	255	138	189	387
<b>Region G</b>	<b>1,664</b>	<b>975</b>	<b>1,257</b>	<b>2,885</b>
Missouri	75,104	26,957	40,251	75,448

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Teen Births

Births to teens ranged from 2.23 per 1,000 in Ozark County to 4.06 per 1,000 in Shannon County in 2013, as compared with the state rate of 2.45. The number of births per age group and the rate of births per 1,000 females per age group are shown in Table 5.8.

**Figure 5.7 Teen Births**



**Table 5.8 Births to Females Age 15 to 17, 2013**

County	Birth to Teens Under 15	Birth to Teens Age 15 - 17	Birth per 1,000 Teens, 15-17	Total Birth to Teens, 2013
Carter	0	9	2.30	9
Douglas	0	17	2.37	17
Howell	4	99	3.71	103
Oregon	0	19	2.99	19
Ozark	0	10	2.23	10
Reynolds	0	12	3.66	12
Shannon	0	20	4.06	20
Texas	0	49	3.29	49
Wright	1	35	2.90	36
<b>Region G</b>	<b>5</b>	<b>270</b>	<b>3.06</b>	<b>275</b>
Missouri	323	9,356	2.45	9,679

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## **Section VI**

### **Infection**

# **Sexually Transmitted Diseases**

## Communicable Diseases

### Carter County

In 2013, Carter County reported (1) case of Campylobacteriosis, (4) cases of Ehrlichiosis, (6) cases of Hepatitis C, (3) case of Salmonellosis, (1) case of Shigellosis, and (4) tick borne diseases.

### Douglas County

In 2013, Douglas County reported (2) cases of Campylobacteriosis, (1) case of Cryptosporidiosis, (1) case of Erlichiosis, (4) cases of Giardiasis, (6) cases of Hepatitis C, (1) case of Rabies in an animal, (1) case of Rabies Post Exposure Prophylaxis, (4) cases of Rocky Mountain Spotted Fever, (1) case of Salmonellosis, (1) case of Strep Disease Group A, (1) case of Strep Pneumoniae (Drug-Resistant), (1) case of tick-borne disease, and (4) cases of chickenpox.

### Howell County

In 2013, Howell County reported (13) cases of Campylobacteriosis, (1) case of Creutzfeldt-Jakob Disease, (1) case of *E. Coli* Shinga Toxin Positive, (19) cases of *E. Coli*, (12) cases of Ehrlichiosis, (1) case of Hemolytic Uremic Syndrome, (54) cases of Hepatitis C, (1) case of Legionellosis, (10) cases of Pertussis, (4) cases of Rabies in an animal, (7) cases of Rabies Post Exposure Prophylaxis, (6) cases of Rocky Mountain Spotted Fever, (6) cases of Salmonellosis, (1) case of Shegellosis, (3) cases of Strep Disease (Group A Invasive), (2) cases of Strep Pneumoniac (Drug Resistant), (22) cases of tick-borne diseases, (4) cases of Tularemia, (1) case of Chicken Pox, and (1) case of Yersiniosis.

### Oregon County

In 2013, Oregon County reported (2) cases of Campylobacteriosis, (1) case of *E. Coli* Shinga Toxin Positive, (1) case of *E. Coli*, (6) cases of Ehlichiosis, (4) cases of Giardiasis, (1) case of Haemophilus Influenzae (Invasive), (2) cases of Hepatitis B (chronic), (6) cases of Hepatitis C (chronic), (1) case of Legionellosis, (5) cases of Pertussis, (4) cases of Rabies, Animal, (15) cases of Post Exposure Prophylaxis, (6) cases of Rocky Mountain Spotted Fever, (2) cases of Salmonellosis, (13) tick-borne diseases, and (1) case of Tularemia.

### Ozark County

In 2013, Ozark County reported (1) case of Ehrlichiosis, (1) case of Hepatitis B (chronic), (3) cases of Hepatitis C (chronic), (2) cases of Pertussis, (2) Rabies, Animals, (1) case of Post Exposure Prophylaxis, (5) cases of Rocky Mountain Spotted Fever, (6) tick-borne diseases, and 1 case of Chicken Pox.

### Reynolds County

In 2013, Reynolds County reported (3) cases of Campylobacteriosis, (3) cases of Hepatitis C (chronic), (3) cases of Rocky Mountain Spotted fever, (4) tick-borne diseases, and (1) case of Chicken Pox.

### Shannon County

In 2013, Shannon County reported (1) case of Campylobacteriosis, (1) case of Giardiasis, (9) cases of Hepatitis C (chronic), (5) cases of Pertussis, and (1) case of Salmonellosis.

### Texas County

In 2011, Texas County reported (8) cases of Campylobacteriosis, (3) cases of Ehrlichiosis, (2) case of Giardiasis, (91) case of Haemophilus Influenzae (Invasive), ( four cases of Hepatitis B (chronic), one case ) case of Hepatitis B (acute), (4) cases of Hepatitis B (chronic), (35) cases of

Heptatitis C (chronic), (1) case of Rabies in an animal, (4) cases of Rabies Post Exposure Prophylaxis, (4) cases of Rocky Mountain Spotted Fever, (1) case of Salmonellosis, (1) cases of Strep Disease Group A, (9) tick borne diseases, and (1) case of tularemia.

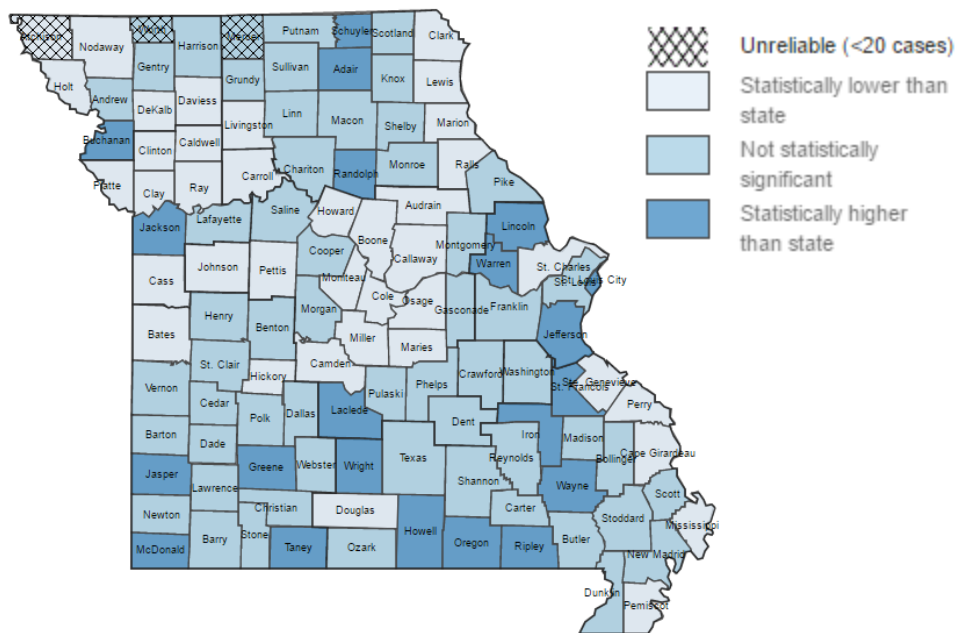
**Wright County**

In 2013, Wright County reported (3) cases of Campylobacteriosis, (2) case of *E. Coli* Shinga Toxin Positive, (2) cases of *E. Coli*, (1) case of Giardiasis, (1) case of Hepatitis B (chronic), (12) cases of Hepatitis C (chronic), (3) cases of Pertussis, (5) cases of Salmonellosis, and (1) case of Tuberculosis.

## Hospitalizations Related to Infections

According to Missouri Department of Health and Senior Services, hospitalizations related to infections occurred at a rate of 47.75 per 10,000 in Region G compared to a rate of 44.51 per 10,000 in Missouri, during 2013. This is an increase of 5.88 percent over 2011. Table 6.1 compares hospitalizations related to infections by county, region, and state.

**Figure 6.1 Hospitalizations Related to Infections, 2013**



**Table 6.1 Inpatient Hospitalizations Related to Infection, 2011 - 2013**

County	Number, 2011	Rate per 10,000 2011	Number 2013	Rate per 10,000 2013	Percent Change (%)
Carter	35	48.00	34	45.21	-5.81
Douglas	73	37.50	62	30.69	-18.16
Howell	298	58.90	287	56.86	-4.99
Oregon	65	46.20	88	62.43	35.13
Ozark	45	39.00	56	44.52	14.15
Reynolds	39	43.70	31	32.34	-26.00
Shannon	35	36.50	40	42.41	16.19
Texas	149	44.70	160	47.79	6.91
Wright	116	51.40	144	67.48	31.28
<b>Region G</b>	<b>855</b>	<b>45.10</b>	<b>902</b>	<b>47.75</b>	<b>5.88</b>
Missouri	25,515	38.30	30,345	44.51	16.21

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Deaths Related to Infections



More deaths related to Pneumonia and Influenza occurred in Region G with 23 total, cases, while 1,333 occurred statewide in 2015. Table 6.2 illustrates the rates of death related to septicemia, pneumonia and influenza, tuberculosis, viral hepatitis, HIV/AIDS, and other infections and parasites during 2015.

**Table 6.2 Deaths by Infection Counts, 2015**

County	Septicemia	Pneumonia and Influenza	Tuberculosis	Viral Hepatitis	HIV/AIDS	Other Infections and Parasites
Carter	x	5	0	0	0	0
Douglas	x	x	0	x	0	0
Howell	8	14	0	6	0	x
Oregon	x	x	0	0	0	x
Ozark	0	x	0	x	0	x
Reynolds	0	x	0	0	0	0
Shannon	0	x	0	x	0	0
Texas	6	8	0	0	0	x
Wright	x	x	0	0	0	0
<b>Region G</b>	<b>23</b>	<b>39</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>7</b>
Missouri	859	1333	2	124	51	216

**X= indicates the confidentiality rule has been triggered**

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## **Tuberculosis**

According to the Missouri Department of Health and Senior Services, a total of 21 cases of Latent Tuberculosis Infection were reported, in Region G, during 2016. Latent tuberculosis infection (LTBI) indicates the person has the TB germ in their body, but has yet to develop symptoms. The person has a significant reaction to the Mantoux skin test with no symptoms of tuberculosis, and no TB organisms found in the sputum test. In comparison, Tuberculosis disease indicates the person has symptoms, a significant reaction to a Mantoux skin test, and organisms found in the sputum. In order to spread the TB germs, a person must have TB disease. Having latent TB infection is not enough to spread the germ. Tuberculosis may last for a lifetime as an infection and never develop into the disease. Two cases of tuberculosis disease were reported in the nine-county Region G area during 2011 and two cases in 2012.

Source: Latent Tuberculosis Infection by Counties, Missouri 2016.

**Table 6.3 Latent Tuberculosis Infections, 2012 - 2016**

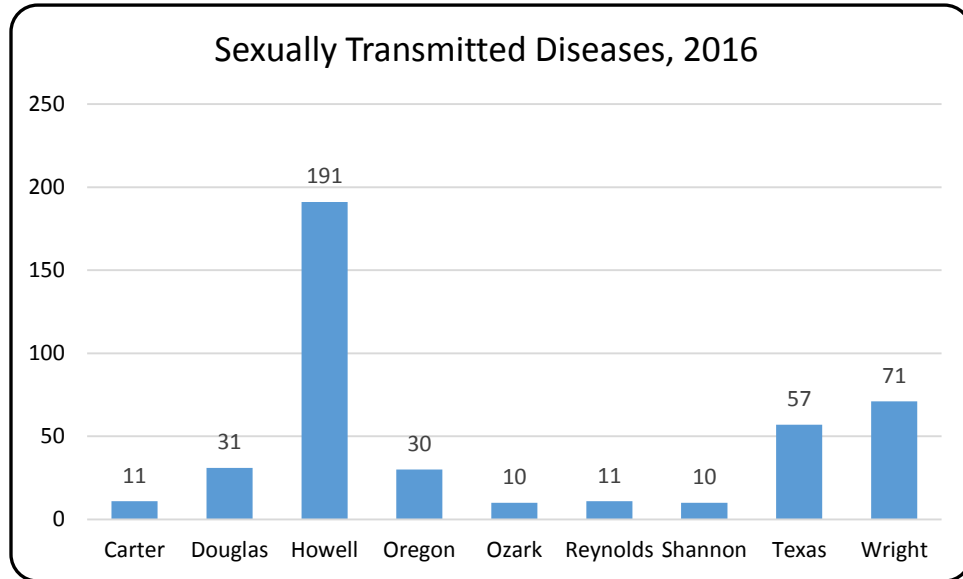
County	TB Infections, 2012	TB Infections, 2013	TB Infections, 2014	TB Infections, 2015	TB Infections, 2016	TB Rate, per 100,000 Population, 2016
Carter	0	0	0	0	1	16.0
Douglas	2	0	2	1	1	7.3
Howell	28	5	8	5	12	29.7
Oregon	3	3	4	5	1	9.2
Ozark	0	0	0	0	0	0.0
Reynolds	4	0	0	0	1	14.9
Shannon	1	0	1	2	0	0.0
Texas	0	2	7	8	5	19.2
Wright	0	1	1	2	0	0.0
<b>Region G</b>	<b>38</b>	<b>11</b>	<b>23</b>	<b>23</b>	<b>21</b>	<b>10.7</b>
Missouri	2,830	3,273	3,321	2,934	2,996	50.0

Source: Missouri Department of Health and Senior Services, TB Infections by County, Rates per 100,000 Population, Missouri 2016

## **Sexually Transmitted Diseases**

According to the Missouri Department of Health and Senior Service's Reportable Sexually Transmitted Diseases Report for 2012, 277 cases of Chlamydia, 14 cases of Gonorrhea, and two cases of Syphilis were reported in the Region G area.

**Figure 6.2 Sexually Transmitted Diseases, 2016**



**Table 6.3 Sexually Transmitted Disease Cases, 2012**

County	Chlamydia	Gonorrhea	Syphilis	Total Sexually Transmitted Disease, 2016
Carter	8	3	0	11
Douglas	22	8	1	31
Howell	166	22	3	191
Oregon	21	9	0	30
Ozark	7	1	2	10
Reynolds	11	0	0	11
Shannon	9	1	0	10
Texas	53	3	1	57
Wright	54	17	0	71
<b>Region G</b>	<b>351</b>	<b>64</b>	<b>7</b>	<b>422</b>

**Source:** Missouri Department of Health and Senior Services, Data and Statistical Reports

# **Section VII**

## **Chronic Disease**

## **Prevalence of Chronic Disease Risk Factors**

In 2007 and 2011, Missouri Department of Health and Senior Services (DHSS) conducted the Missouri County-level Studies. The studies are designed to produce county-level prevalence of behavioral risk factors, chronic diseases and conditions, and preventive practices among adults age 18 and older. The 2011 study replicated a 2007 study, and those results are reflected in the 2013 Region G Community Health Assessment.

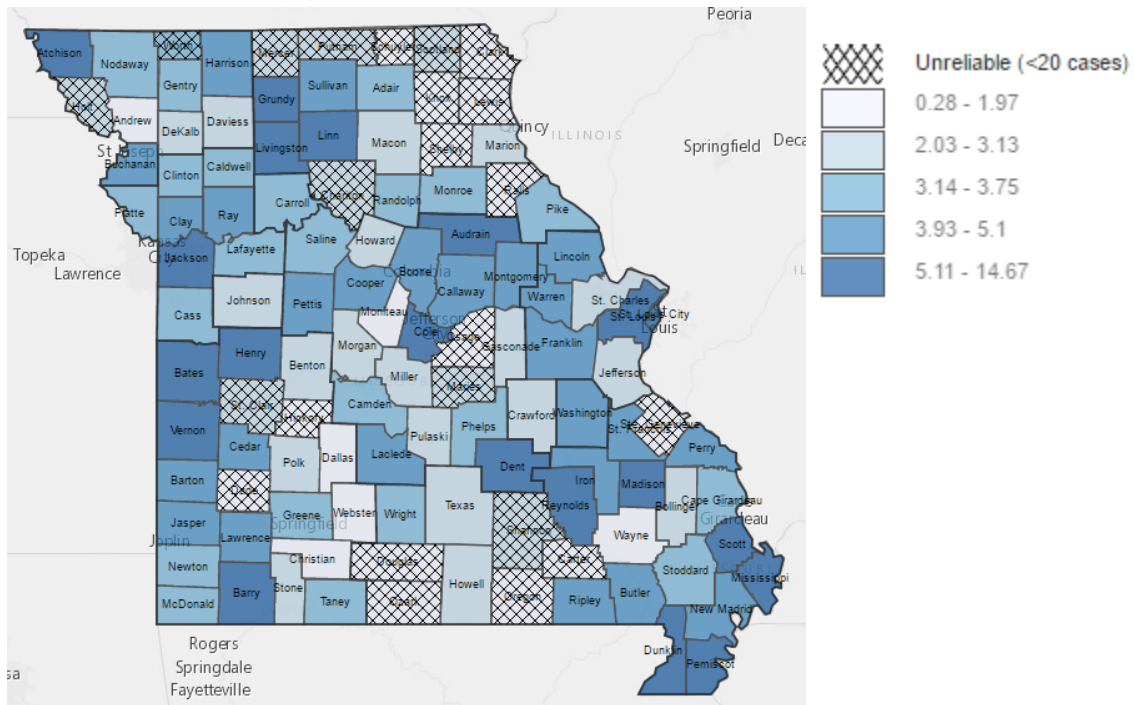
In 2016, the Missouri Department of Health and Senior Services again conducted the Missouri County-level Studies, however as of this date the results are not available.

This section will focus on prominent Chronic Disease and Risk Factors pertaining to the Region G counties and the State of Missouri.

# Asthma

MICA provides Asthma incidence data for Missouri residents. Table 7.1 shows the number and rate per 10,000 of emergency room visits and inpatient hospitalizations reported in Region G during 2014.

**Figure 7.1 Emergency Department Rates Related to Asthma, per 10,000, 2014**



**Table 7.1 Asthma Inpatient ER and Hospitalizations, 2014**

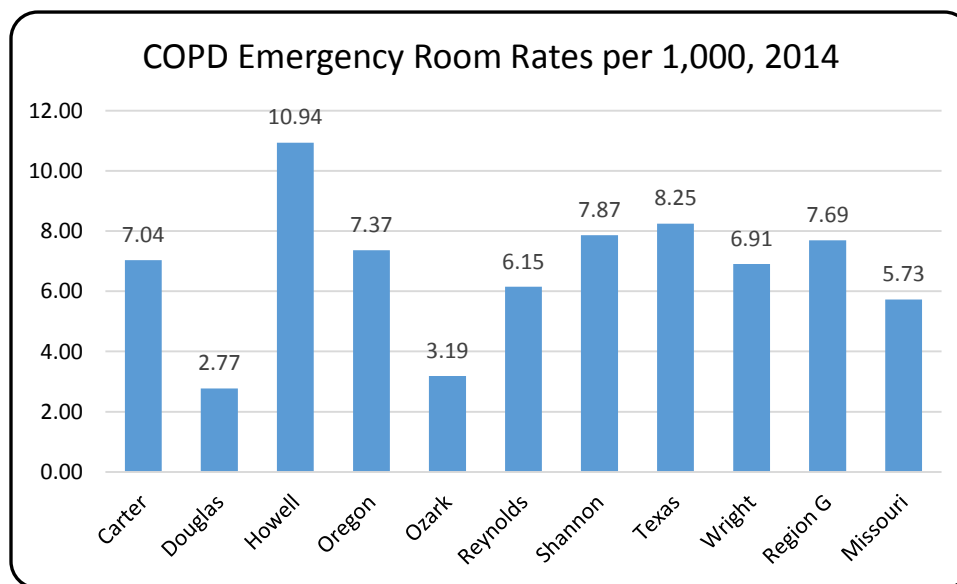
County	Asthma ER Visits, 2014	Rate per 10,000 Residents	Asthma Hospitalizations, 2014	Rate per 10,000 Residents
Carter	10	1.80	x	x
Douglas	11	1.03	x	x
Howell	105	2.95	26	6.5
Oregon	13	1.24	11	9.05
Ozark	8	1.12	7	9.3
Reynolds	28	5.11	7	10.75
Shannon	18	2.41	x	x
Texas	67	2.97	21	8.76
Wright	55	3.56	8	4.24
<b>Region G</b>	<b>315</b>	<b>2.64</b>	<b>94</b>	<b>6.82</b>
Missouri	30779	5.46	6,933	12

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Chronic Obstructive Pulmonary Disease

The Missouri Department of Health and Senior Services provides incidence data Chronic Obstructive Pulmonary Disease (COPD). Table 7.2 shows the number and rate per 1,000 population of emergency room visits and inpatient hospitalizations for COPD reported in Region G during 2014.

**Figure 7.2 Emergency Department Visits Related to COPD, per 1,000, 2014**



**Table 7.2 COPD Inpatient Hospitalizations and ER Visits, 2014**

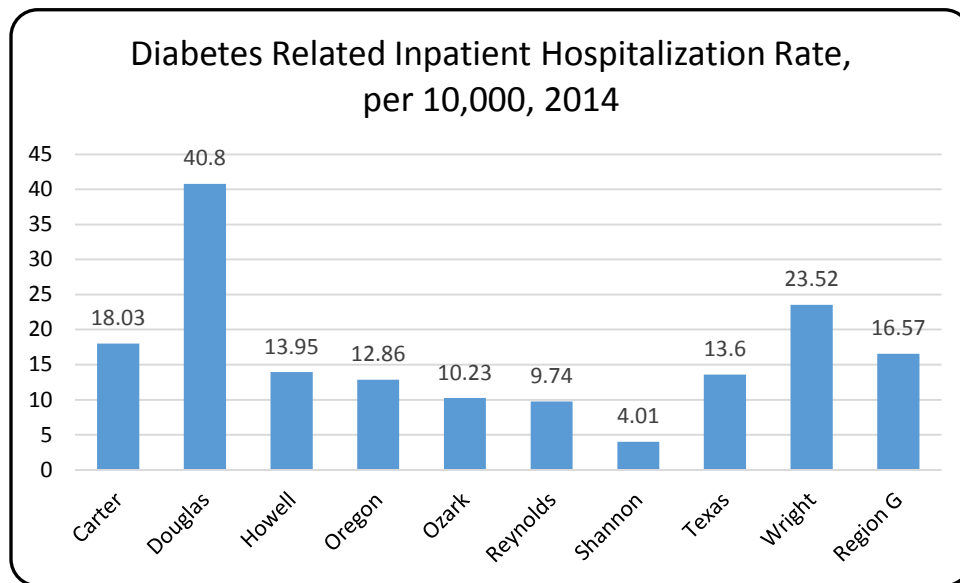
County	COPD ER Visits, 2014	Rate per 1,000 Residents	COPD Hospitalizations, 2014	Rate per 1,000 Residents
Carter	49	7.04	27	34.79
Douglas	44	2.77	18	8.31
Howell	477	10.94	115	21.61
Oregon	89	7.37	16	9.95
Ozark	36	3.19	34	19.33
Reynolds	52	6.15	31	30.8
Shannon	71	7.87	17	15.67
Texas	230	8.25	82	22.18
Wright	130	6.91	60	24.73
<b>Region G</b>	<b>1178</b>	<b>7.69</b>	<b>400</b>	<b>20.17</b>
Missouri	36238	5.73	13,827	19

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Diabetes

The Missouri Department of Health and Senior Services provides incidence data on Diabetes. During 2014, Douglas County had the highest rate of 40.80 per 10,000 population, compared to 18.93 statewide. Table 7.2 shows the number and rate per 10,000 population of emergency room visits and inpatient hospitalizations for diabetes reported in Region G during 2014.

**Figure 7.3 Diabetes Related Emergency Room Rate, per 10,000, 2014**



**Table 7.3 COPD Related Inpatient Hospitalizations and ER Visits, 2014**

County	ER Visits, 2014	Rate per 10,000 Residents	Inpatient Hospitalizations, 2014	Rate per 10,000 Residents
Carter	x	x	11	18.03
Douglas	x	x	44	40.80
Howell	109	2.74	60	13.95
Oregon	18	1.22	20	12.86
Ozark	x	x	11	10.23
Reynolds	17	2.68	8	9.74
Shannon	19	2.32	6	4.01
Texas	59	1.93	40	13.60
Wright	36	2.09	41	23.52
<b>Region G</b>	<b>292</b>	<b>2.01</b>	<b>241</b>	<b>16.57</b>
Missouri	12425	1.98	12,044	18.93

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).



## Cancer Registry Incidence

The U.S. Department of Health and Human Services publishes cancer registries. Table 7.4 shows the number and rate per 100,000 of reported incidences of breast, prostate, colon, and lung and bronchus cancer during the 2014.

**Table 7.4 Incidence of Breast, Prostate, Colon, and Lung and Bronchus Cancer, 2014**

County	Breast		Prostate		Colon		Lung and Bronchus	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Carter	5	112.6	<3	0.0	5	55.2	10	113.9
Douglas	7	62.7	8	77.1	7	31.1	9	44.1
Howell	24	87.7	15	56.8	26	50.0	42	77.4
Oregon	5	70.8	<3	0.0	6	36.6	12	68.3
Ozark	6	77.2	5	55.1	5	36.3	12	71.1
Reynolds	4	76.9	6	100.1	5	43.2	8	72.6
Shannon	5	86.8	5	75.7	5	49.6	8	65.5
Texas	16	89.6	11	57.1	18	51.5	28	72.4
Wright	16	121.7	11	85.6	11	45.8	20	77.3
Missouri	1,012	27.9	3486	101.0	1,564	49.7	2,843	89

County	Age Adjusted Annual Incidence Rate per 100,000 - ALL CANCERS
Carter	485.1
Douglas	288.8
Howell	403.1
Oregon	330.9
Ozark	341.7
Reynolds	420
Shannon	380.5
Texas	400.5
Wright	447.7
Missouri	450.5

**Source:** U.S. Department of Health & Human Services, NIH, Incidence Rates Table

## **Section VIII**

# **Leading Causes of Mortality**

## Causes of Deaths in Missouri

According to the Missouri Department of Health and Senior Services, there were 605,752 deaths in the state during 2013. Table 8.1 shows the total deaths, in Missouri, by cause.

Figure 8.1 Cause of Deaths in Missouri, 2013

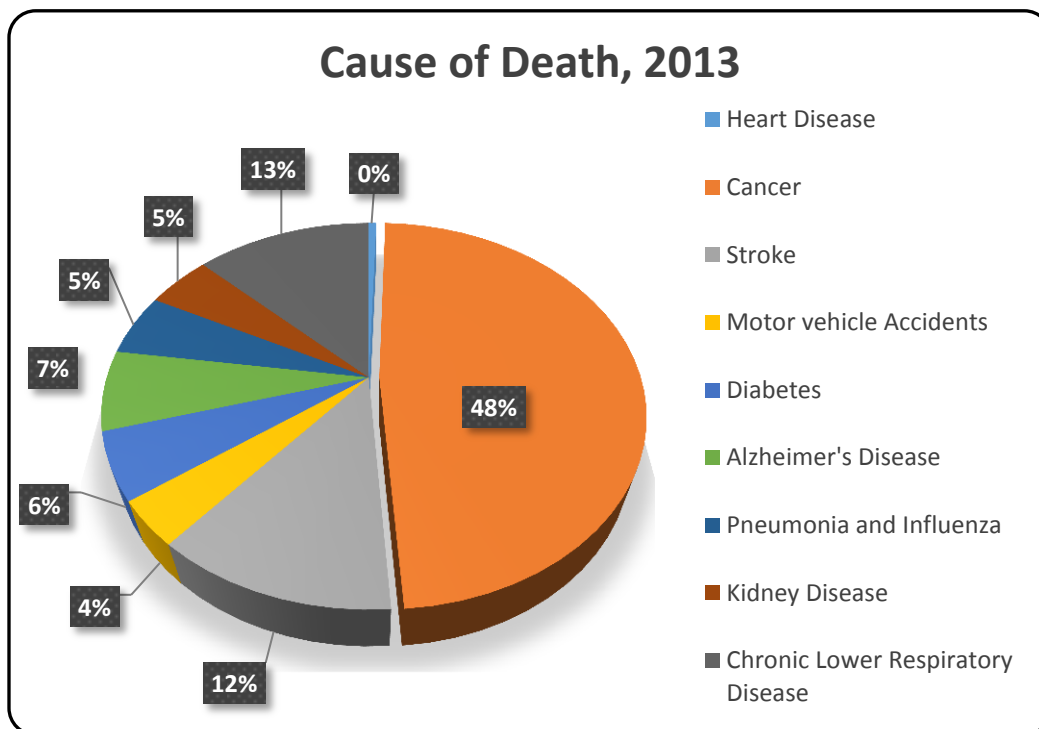


Table 8.1. Causes of Death, Missouri, by Number and Rate per 100,000 - 2013

	Heart Disease	Cancer	Stroke	Motor vehicle Accidents	Diabetes	Alzheimer's Disease	Pneumonia and Influenza	Kidney Disease	Chronic Lower Respiratory Disease	Other Causes
Missouri	1,590	137,580	34,941	10,742	15,944	19,119	14,929	13,226	36,467	321,214

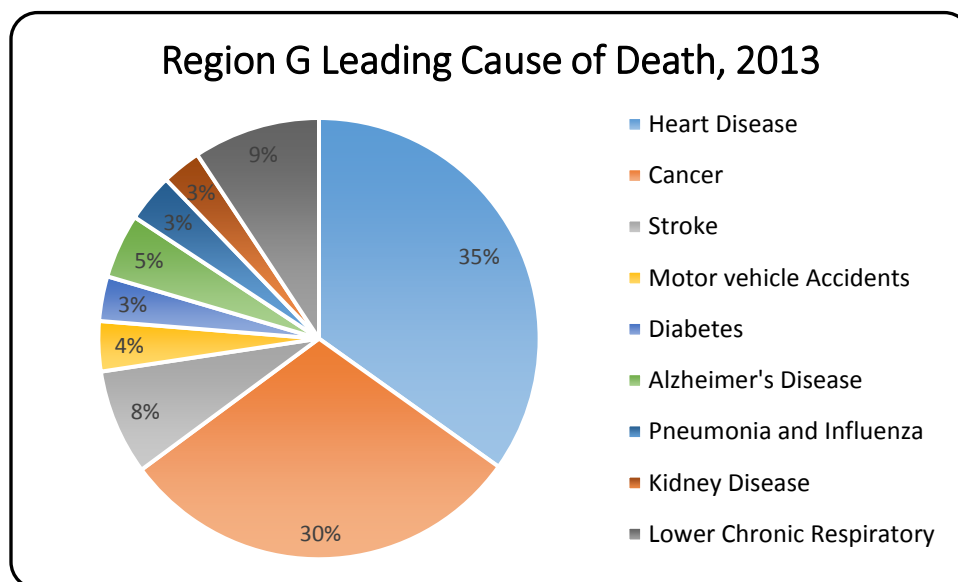
	Heart Disease	Cancer	Stroke	Motor vehicle Accidents	Diabetes	Alzheimer's Disease	Pneumonia and Influenza	Kidney Disease	Chronic Lower Respiratory Disease	Other Causes
Missouri	216.7%	188.9%	47.8%	16.4%	22.0%	25.8%	20.3%	18.1%	50.3%	X

Source: Missouri Department of Health and Senior Services, Community Data Profiles

## Causes of Death in Region G

According to the Missouri Department of Health and Senior Service, there were 18,042 deaths in Region G in 2013. Total deaths are shown, by cause per county, in Table 8.2.

**Figure 8.2 Cause of Deaths in Region G**



**Table 8.2 Causes of Death, 2013**

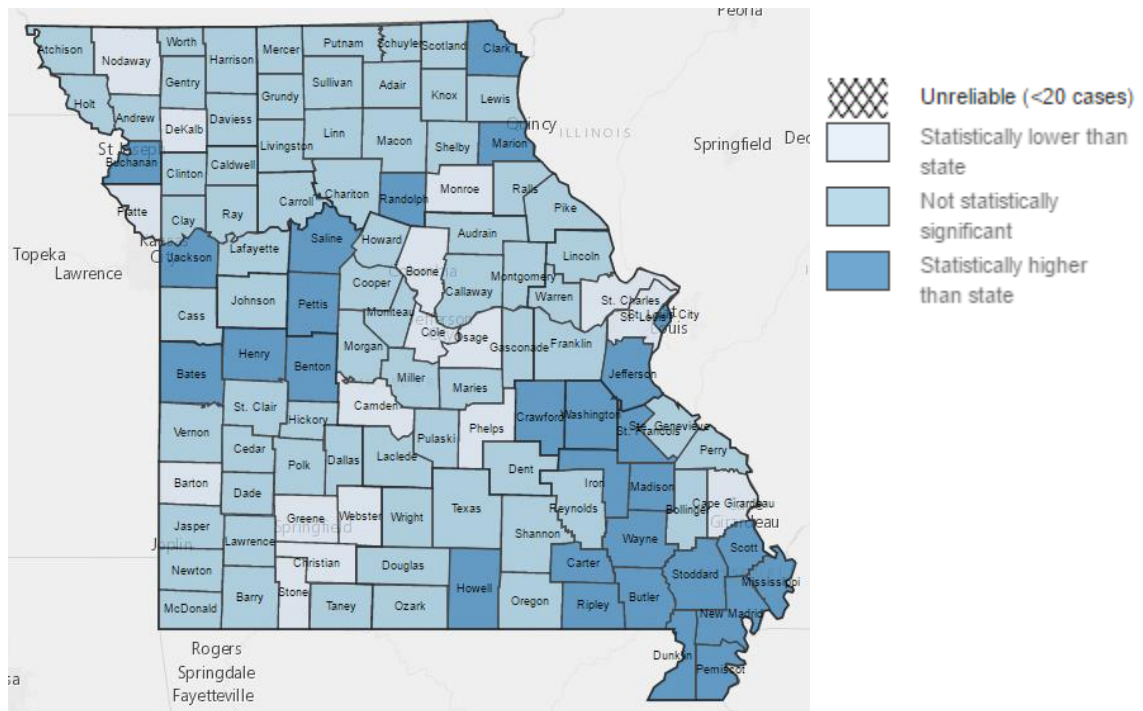
County	All	Heart Disease	Cancer	Stroke	Motor vehicle Accidents	Diabetes	Alzheimer's Disease	Pneumonia and Influenza	Kidney Disease	Lower Chronic Respiratory
Carter	845	180	214	50	31	10	29	20	17	79
Douglas	1,643	362	389	91	53	71	81	38	34	157
Howell	5,304	1,270	1,162	354	130	127	266	115	80	386
Oregon	1,502	578	315	76	43	24	51	29	17	67
Ozark	1,353	329	351	77	34	44	20	46	40	80
Reynolds	871	239	203	43	38	27	13	13	18	71
Shannon	992	278	253	59	42	16	16	19	29	66
Texas	3,182	856	687	192	86	83	74	156	105	218
Wright	2,350	710	548	123	56	51	96	54	53	149
Region G #	18,042	4,802	4,122	1,065	513	453	646	490	393	1,273
Region G %	ND	26.6	22.9	5.9	2.8	2.5	3.6	2.7	2.2	7.1

**Source:** Missouri Department of Health and Senior Services, Missouri Information for Community Assessment (MICA).

## Deaths Related to Cancer

Region G experiences a higher rate of deaths from cancer. In 2013, deaths from cancer occurred at a rate of 202.9 per 100,000 in Region G compared to a state rate of 188.9 per 100,000. The number and rate of deaths from cancer are shown in Table 8.3

**Figure 8.3 Deaths Related to Cancer 2013, Rate per 100,000**



**Table 8.3 Deaths Related to Cancer, 2013**

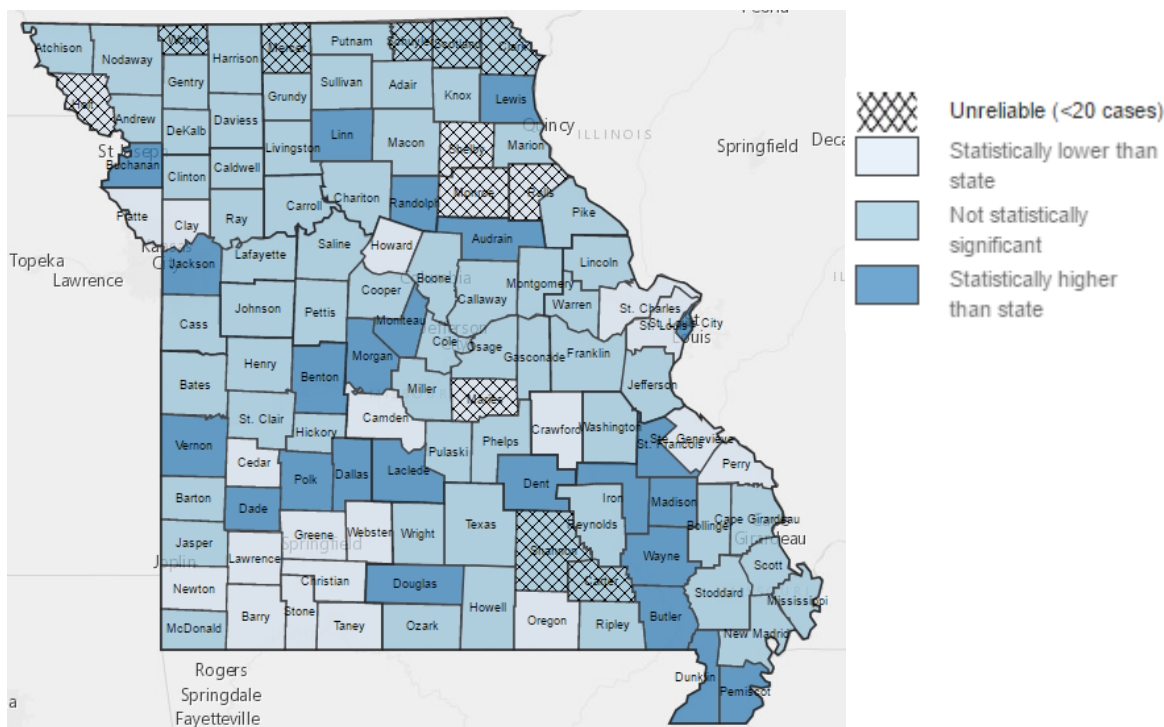
County	All	Cancer #	Death Rate per 100,000
Carter	845	214	252.3
Douglas	1,643	389	182.5
Howell	5,304	1,162	207.9
Oregon	1,502	315	183.3
Ozark	1,353	351	205.9
Reynolds	871	203	195.6
Shannon	992	253	211.7
Texas	3,182	687	180.3
Wright	2,350	548	206.2
<b>Region G</b>	<b>18,042</b>	<b>4,122</b>	<b>202.9</b>
Missouri	605,752	137,580	188.9

**Source:** Missouri Department of Health and Senior Services, Community Data Profiles

## Deaths Related to Diabetes

Figure 8.4 illustrates the rate of deaths, from diabetes, by county. The counties with a higher incidence are identified by the darker color. The number and rate of deaths from diabetes are shown in Table 8.4

**Figure 8.4 Deaths Related to Diabetes 2013, Rate per 100,000**



**Table 8.4 Deaths Related to Diabetes, 2013**

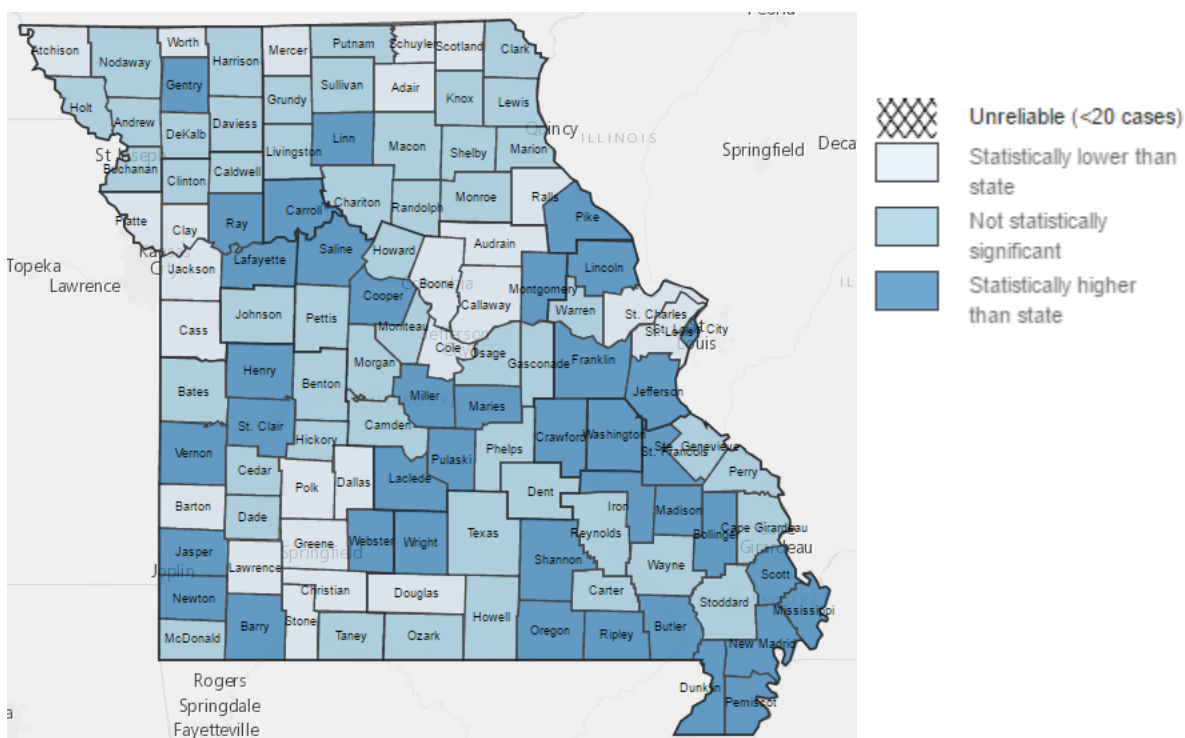
County	All	Diabetes #	Death Rate per 100,000
Carter	845	10	12.8
Douglas	1,643	71	34.4
Howell	5,304	127	23.0
Oregon	1,502	24	13.5
Ozark	1,353	44	27.0
Reynolds	871	27	25.3
Shannon	992	16	15.4
Texas	3,182	83	21.2
Wright	2,350	51	20.1
<b>Region G</b>	<b>18,042</b>	<b>453</b>	<b>21.4</b>
Missouri	605,752	15,944	22.0

**Source:** Missouri Department of Health and Senior Services, Community Data Profiles

## Deaths Related to Heart Disease

Figure 8.5 illustrates the rate of deaths, from heart disease, by county. The counties with a higher rate are identified by the darker color. The number and rate of deaths from heart disease are shown in Table 8.5

**Figure 8.5 Deaths Related to Heart Disease 2013, Rate per 100,000**



**Table 8.5 Deaths from Heart Disease, 2013**

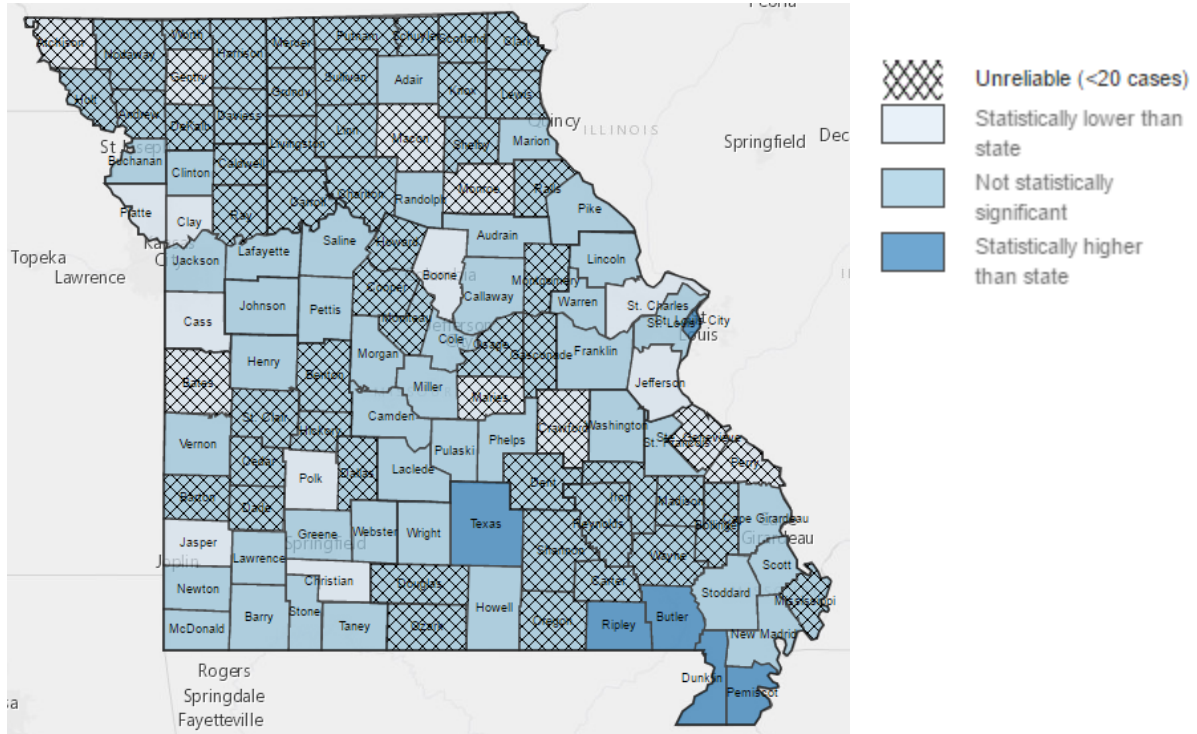
County	All	Heart Disease #	Death Rate per 100,000
Carter	845	180	223.3
Douglas	1,643	362	176.5
Howell	5,304	1,270	223.8
Oregon	1,502	578	336.9
Ozark	1,353	329	211.7
Reynolds	871	239	241.4
Shannon	992	278	248.1
Texas	3,182	856	221.1
Wright	2,350	710	272.5
<b>Region G</b>	<b>18,042</b>	<b>4,802</b>	<b>239.5</b>
Missouri	605,752	158,971	216.7

**Source:** Missouri Department of Health and Senior Services, Community Data Profiles

## Infant Mortality

Figure 8.6 illustrates the infant deaths per 1,000 live births, by county for the year 2012. Table 8.6 compares Infant mortality and SIDS events and rates per 1,000 during 2012.

**Figure 8.6 Infant Deaths per 1,000 Live Births, 2012**



**Table 8.6 Infant Mortality, 2012**

County	Infant Deaths		SIDS	
	Number of Events	Infant Deaths per 1,000	Number of Events	SIDS per 1,000
Carter	10	11.51	4	4.6
Douglas	9	5.45	1	0.61
Howell	39	6.62	6	1.02
Oregon	8	6.05	0	0
Ozark	6	5.44	0	0
Reynolds	12	16.85	4	5.62
Shannon	11	9.95	1	0.9
Texas	38	11.7	4	1.23
Wright	24	8.47	2	0.71
<b>Region G</b>	<b>157</b>	<b>9.1</b>	<b>22</b>	<b>1.6</b>
Missouri	6,249	7.27	420	0.49

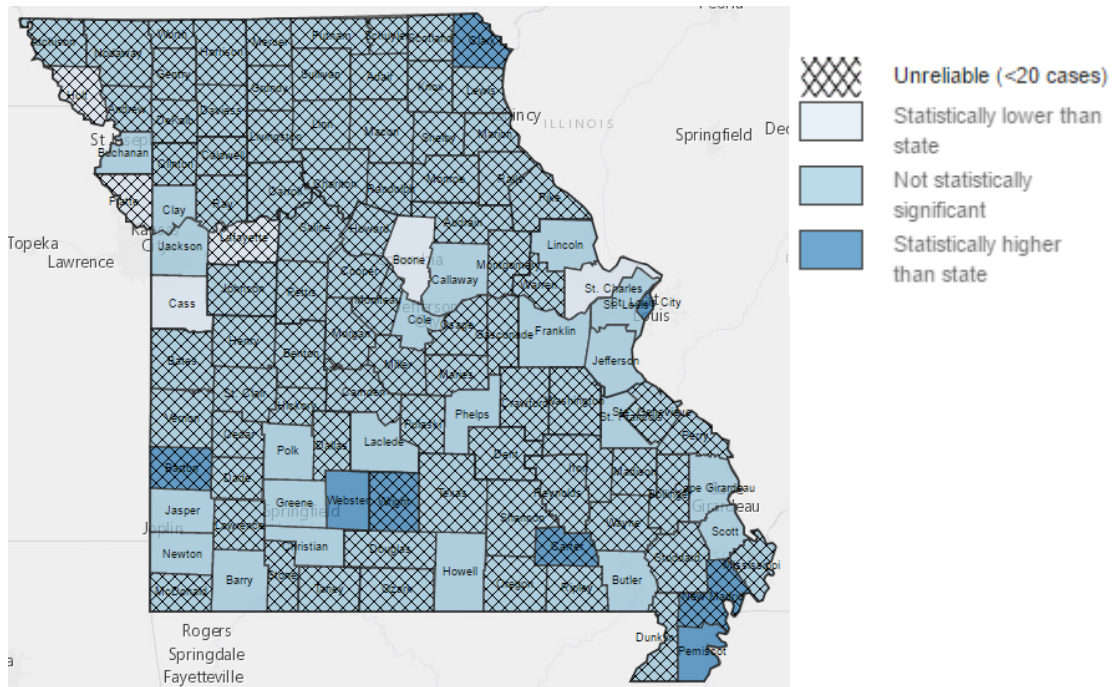
**Source:** Missouri Department of Health and Senior Services, Community Data Profiles



## Child Deaths

Figure 8.7 illustrates deaths among children ages 1 – 14, by county. Table 8.7 shows child death numbers and rates per 100,000 population during the year 2013.

**Figure 8.7 Child Deaths Ages 1-14 per 100,000, 2013**



**Table 8.7 Child Deaths, 2013**

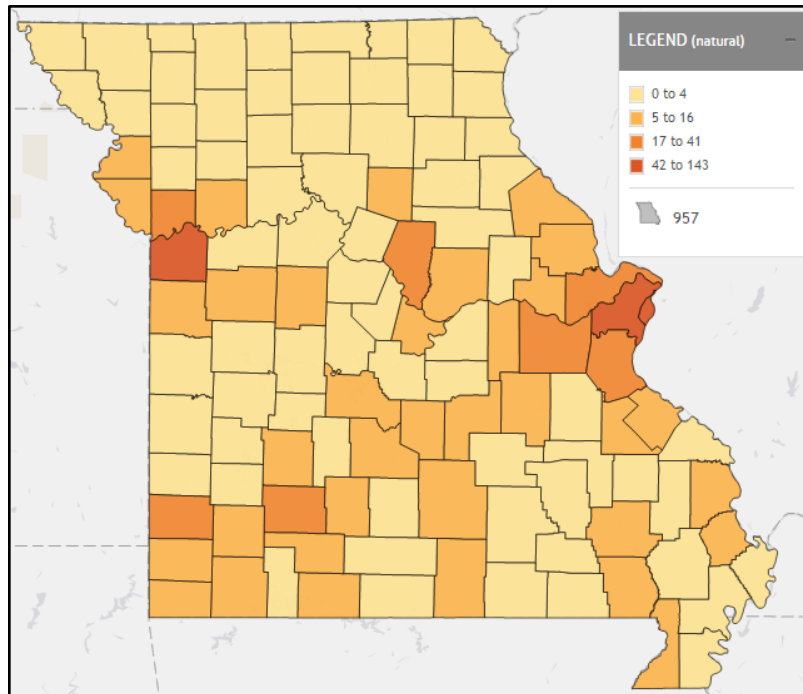
County	Deaths Age 1-14	Rate per 100,000	Deaths Age 15-19	Rate per 100,000
Carter	95	34.28	116	112.45
Douglas	10	37.74	14	139.28
Howell	26	30.86	38	128.83
Oregon	3	14.68	8	99.17
Ozark	7	42.74	7	112.5
Reynolds	4	31.35	6	123.46
Shannon	8	48.29	5	77.18
Texas	13	27.56	18	97.83
Wright	16	39.43	13	88.07
<b>Region G</b>	<b>182</b>	<b>34.10</b>	<b>225</b>	<b>108.75</b>
Missouri	2,482	20.65	3296	71.37

**Source:** Missouri Department of Health and Senior Services, Community Data Profiles

## Violent Deaths, Ages 15 - 19

The rate of violent deaths, among youth ages 15 – 19, ranged from 32.5 per 100,000 in Wright County to 99.3 per 100,000 in Texas County compared to a state rate of 47.1 per 100,000 during the period from 2010 - 2014. Figure 8.8 illustrates the number of violent deaths by county, during the period 2010 – 2014. Table 8.8 shows the numbers and rates of violent deaths, ages 15 – 19, during the period 2010 – 2014.

**Figure 8.8 Violent Deaths by Number Teens Ages 15 – 18, 2014**



**Table 8.8 Violent Deaths Teens Ages 15 -19, 2014**

County	Violent Deaths, Ages 15 - 19	Violent Death Rates per 100,000
Carter	1	48.5
Douglas	3	73.6
Howell	8	62.0
Oregon	3	85.9
Ozark	2	75.6
Reynolds	1	47.3
Shannon	1	37.1
Texas	8	99.3
Wright	2	32.5
Region G	29	62.4
Missouri	957	47.1

**Source:** Kids Count Data Center, Data Book.

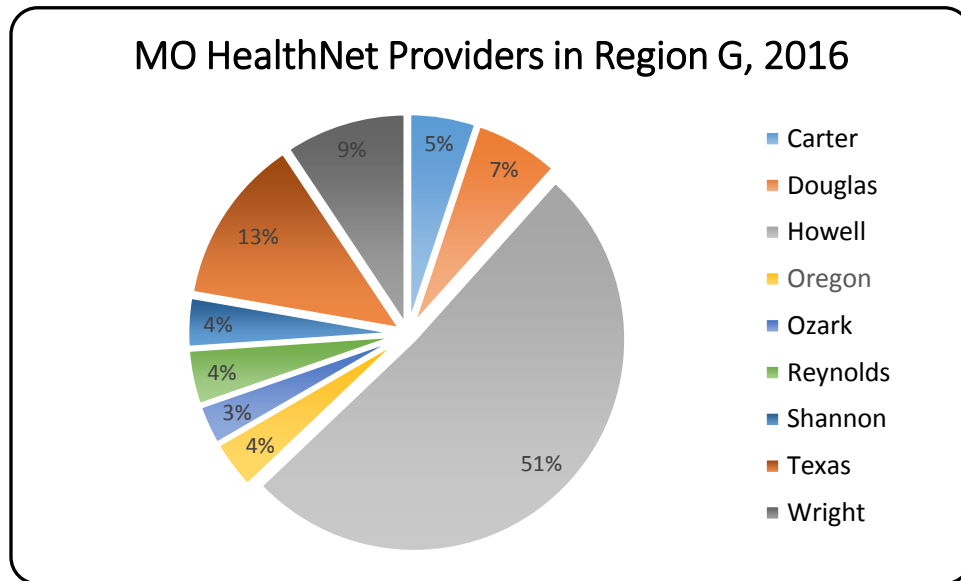
## **Section IX**

# **Health Care System Indicators**

## MO HealthNet Providers

The Missouri Department of Social Services, MO HealthNet Division manages claims by health care providers for Medicare and other types of reimbursement. The number of providers ranged from 31 providers in Ozark County to 521 in Howell County in 2016. Table 9.1 shows the number of all provider types and all provider specialties, by each county, in 2016.

**Figure 9.1 MO HealthNet Providers 2016**



**Table 9.1 MO HealthNet Providers of Service, 2016**

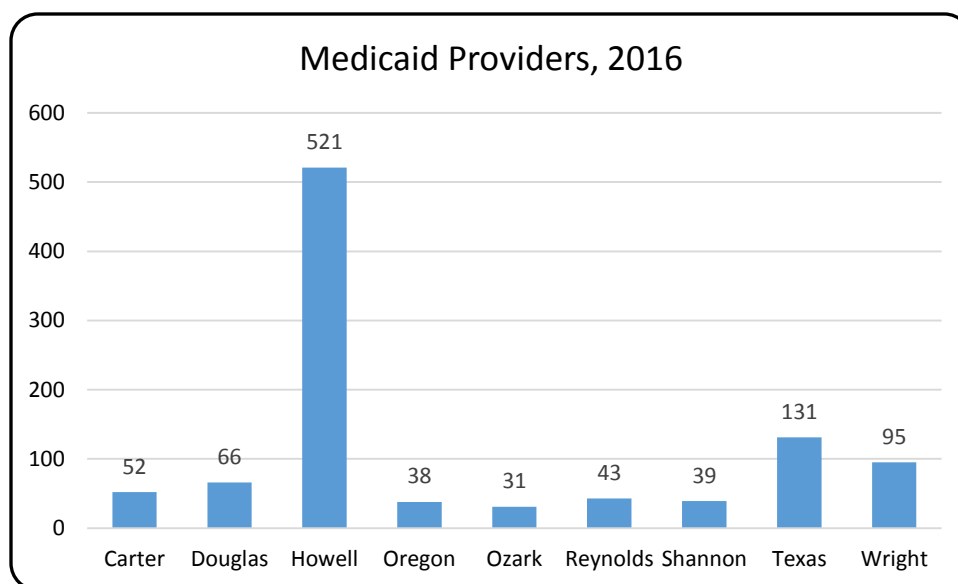
County	# of Providers
Carter	52
Douglas	66
Howell	521
Oregon	38
Ozark	31
Reynolds	43
Shannon	39
Texas	131
Wright	95
<b>Region G</b>	<b>1016</b>

**Source:** Missouri Department of Social Services, MO HealthNet Provider Search

## Medicaid Providers

According to the U.S. Department of Health and Human Services, there were 1,016 active Medicaid institutional service providers, in Region G, during 2016. These service providers include hospitals, nursing facilities, Federally Qualified Health Centers, rural health clinics, and community mental health centers. Howell County had the most active providers (521) while Ozark County had the fewest (31). Total institutional Medicaid providers available to the population in each county, are shown in Table 9.2.

**Figure 9.2 Institutional Medicaid Providers, 2016**



**Table 9.2 Institutional Medicaid Providers by Provider Type, 2016**

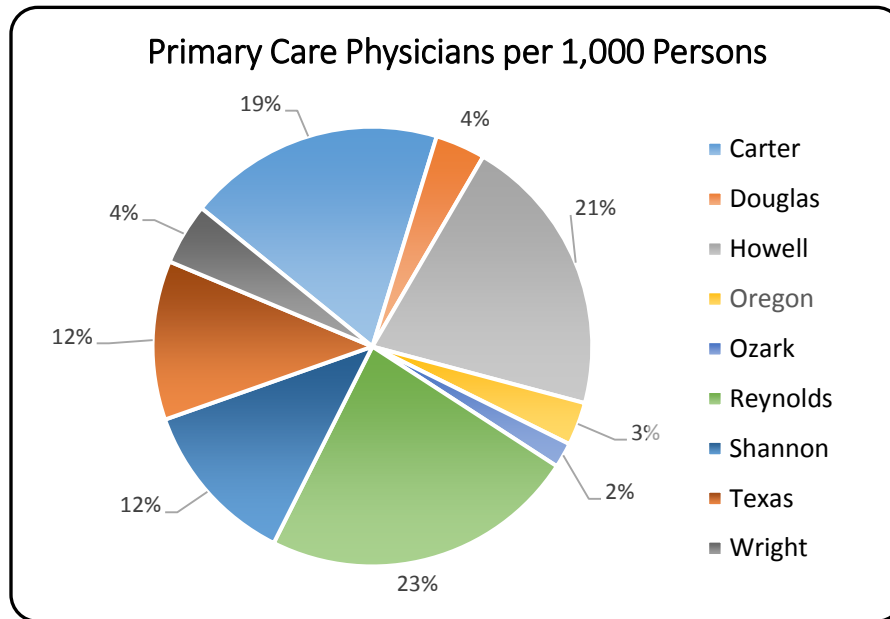
County	Total Institutional Providers	Hospitals	Nursing Facilities	Federally Qualified Health Centers	Rural Health Clinics	Community Mental Health Centers
Carter	52	0	1	1	0	0
Douglas	66	0	1	1	1	0
Howell	521	2	5	1	9	0
Oregon	38	0	1	1	2	0
Ozark	31	0	1	1	2	0
Reynolds	43	0	1	3	0	0
Shannon	39	0	0	1	2	0
Texas	131	1	3	2	5	0
Wright	95	0	3	2	6	0
<b>Region G</b>	<b>1016</b>	<b>3</b>	<b>16</b>	<b>13</b>	<b>27</b>	<b>0</b>

**Source:** Missouri Department of Social Services, MO HealthNet Provider Search

## Physicians

According to the Missouri Department of Social Services, 101 Primary Care/General/Family Practice Physicians practice in the nine-county region, 50 of which practice in Howell County. The United States Census Bureau reports the region's population to be 138,446. Therefore, on average, there is one primary care physician per 0.72 Region G citizens.

**Figure 9.3 Physicians per 1,000 Persons, 2016**



**Table 9.3 Number of Primary Care Physicians, 2016**

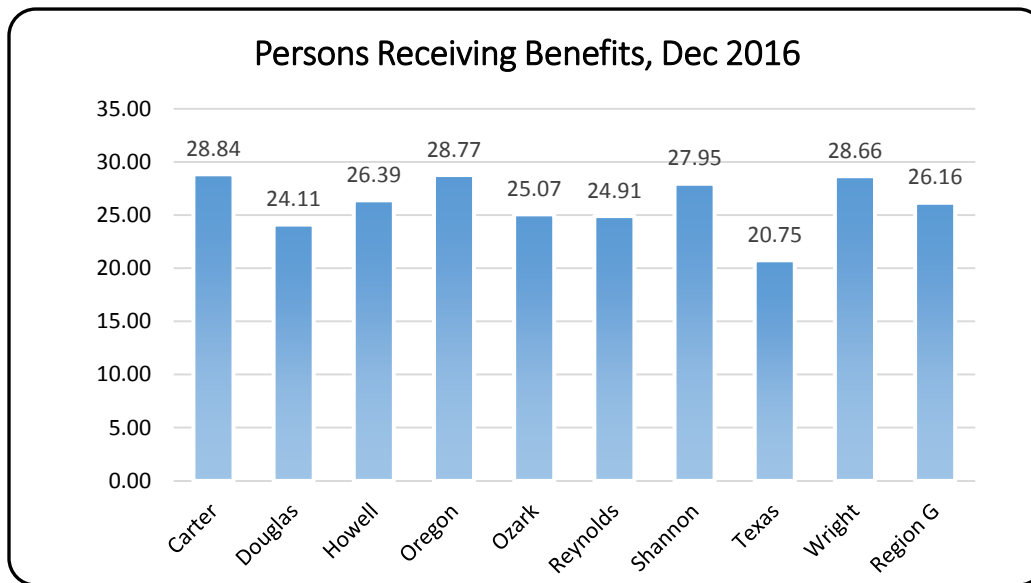
County	# Primary Care Physicians (MD or DO)	# per 1,000 Persons
Carter	7	1.13
Douglas	3	0.22
Howell	50	1.24
Oregon	2	0.19
Ozark	1	0.11
Reynolds	9	1.39
Shannon	6	0.73
Texas	18	0.70
Wright	5	0.27
<b>Region G</b>	<b>101</b>	<b>0.66</b>

**Source:** Missouri Department of Social Services, MO HealthNet Provider Search

## MO HealthNet

A total of 35,511 persons in Region G received benefits ranging from a high in Howell County of 10,611 to a low in Reynolds County of 1,608 in December 2016. The number of persons receiving benefits, percent of the population and total benefit payments are shown in Table 9.4.

**Figure 9.4 Persons Receiving MO HealthNet Benefits, Dec 2016**



**Table 9.4 MO HealthNet Recipients, January 2009**

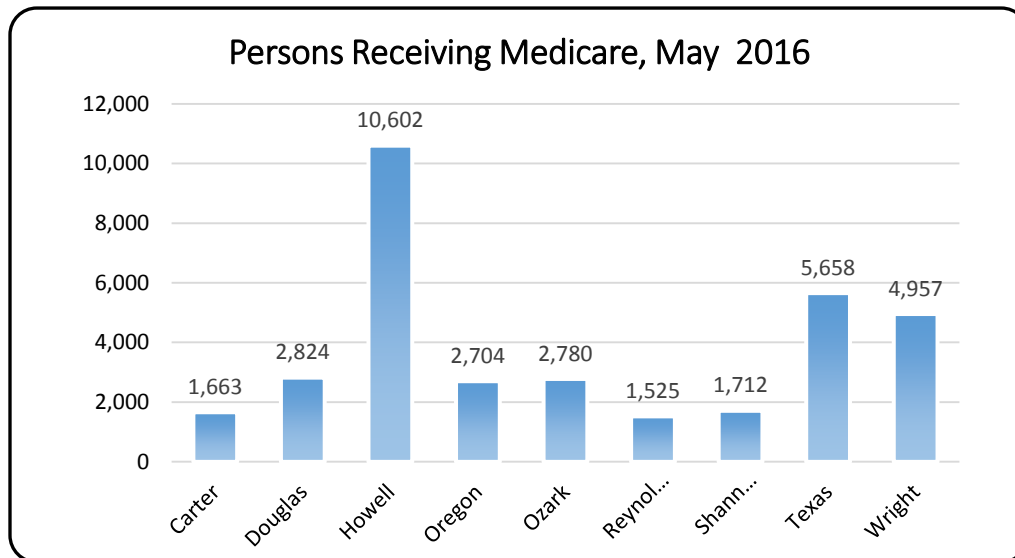
County	Persons Receiving Benefits	% of Population	Total Benefit Payments (\$)
Carter	1,779	28.84	1,298,596
Douglas	3,221	24.11	1,563,540
Howell	10,611	26.39	7,146,060
Oregon	3,104	28.77	213,968
Ozark	2,316	25.07	1,273,050
Reynolds	1,608	24.91	1,459,272
Shannon	2,283	27.95	1,137,442
Texas	5,349	20.75	3,038,491
Wright	5,240	28.66	2,896,471
<b>Region G</b>	<b>35,511</b>	<b>26.16</b>	<b>20,026,890</b>

**Source:** Missouri Department of Social Services, MO HealthNet Division, Monthly Management Report, Dec 2016

## Persons Receiving Medicare

The U.S. Department of Health and Human Services reported that a total of 34,425 persons in Region G were receiving Medicare benefits as of May 2016. The total number of persons receiving Medicare is shown, by county, in Table 9.5.

**Figure 9.5 Persons Receiving Medicare, May 2016**



**Table 9.5 Medicare Enrollment by County, May 2016**

County	Persons Over 65 Receiving Medicare	Persons Receiving Medicare Advantage or other Health Plans	Total Persons Receiving Medicare
Carter	1,428	235	1,663
Douglas	1,489	1,335	2,824
Howell	8,264	2,338	10,602
Oregon	2,227	477	2,704
Ozark	1,931	849	2,780
Reynolds	1,326	199	1,525
Shannon	1,393	316	1,712
Texas	4,876	782	5,658
Wright	3,104	1,853	4,957
<b>Region G</b>	<b>26,038</b>	<b>8,384</b>	<b>34,425</b>

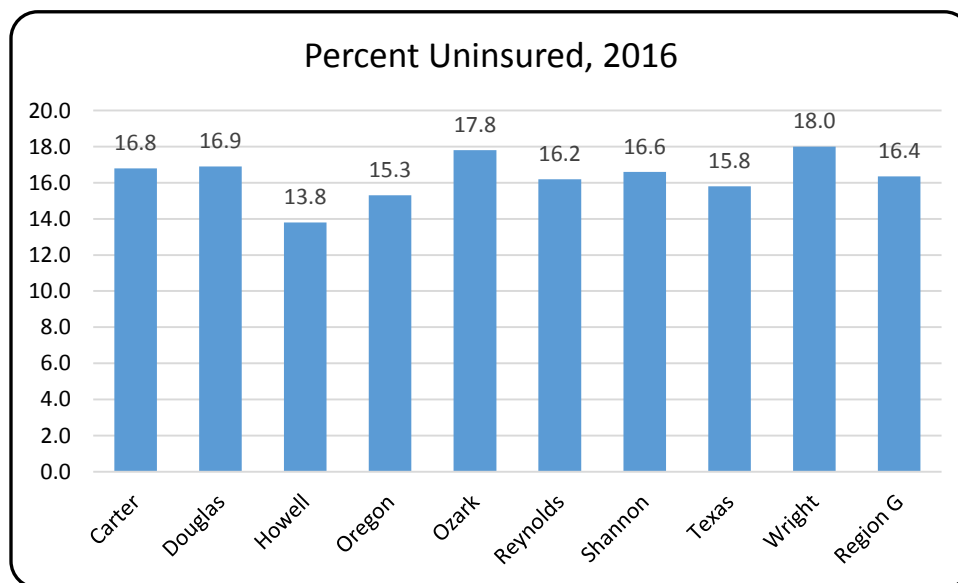
**Source:** [U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services, Medicare Enrollment Dashboard](#)



## Uninsured Population

The uninsured population is calculated by estimating the number of persons eligible for insurance (generally those under 65) minus the estimated number of insured persons. In 2015, the percentage of persons uninsured ranged from 13.8 in Howell County to 18.0 in Wright County.

**Figure 9.6 Uninsured Population**



**Table 9.6 Uninsured Persons, 2015**

County	Insurance Population (2015)	Number Insured	Number Uninsured	Percent Uninsured
Carter	5,048	4,199	849	16.8
Douglas	10,117	8,410	1,707	16.9
Howell	32,098	27,663	4,435	13.8
Oregon	8,377	7,098	1,279	15.3
Ozark	6,800	5,590	1,210	17.8
Reynolds	4,842	4,058	784	16.2
Shannon	6,520	5,438	1,082	16.6
Texas	18,744	15,787	2,957	15.8
Wright	14,550	11,926	2,624	18.0
<b>Region G</b>	<b>107,096</b>	<b>90,169</b>	<b>16,927</b>	<b>16.4</b>
Missouri	4,986,960	4,412,587	574,373	11.5

**Source:** U.S. Census Bureau, Small Area Health Insurance Estimates

## **Section X**

# **Community Health Resources**

## Community Action Agencies

Community Action Agencies are located in each county in the Region G area. A Neighborhood Center is located in each of the nine counties. The Neighborhood Centers provide services for the low-income population for the purpose of helping each family or individual to achieve self- sufficiency and stability.

- Head Start
- Home Weatherization Program
- Housing Assistance
- Energy Crisis Intervention Program
- Life Skills Training
- Parenting Classes
- Emergency Assistance
- Referrals and Linkage to other Community Services

## Community Health Centers

Three Community Health Center organizations are available to provide health care to medically underserved residents in the Region G area. Services, vary by clinic site, but may include primary and preventive healthcare, mental health, and oral health treatment, as well as supportive services that promote access to health care and ensure patient well-being.

Big Springs Medical Association Health Centers - Missouri Highlands Health Care provides services, at six clinic sites, in Carter, Reynolds, and Shannon Counties.

**Table 10.1 Big Springs Medical Association Health Centers**

Name	Street	City	County
Big Springs Medical Clinic	405 Main St	Van Buren	Carter
Big Springs Dental Clinic	115 Walnut	Ellington	Reynolds
Ellington Family Clinic	61 Highway Y	Ellington	Reynolds
Missouri Highlands Health Care	110 S. 2nd St	Ellington	Reynolds
Shannon County Family Clinic	17959 Main St	Eminence	Shannon

Missouri Ozarks Community Health Center provides services, at six clinic sites, in Douglas, Ozark, Texas, and Wright Counties.

**Table 10.2 Missouri Ozarks Community Health Center**

Name	Street	City	County
MO Ozarks Community Health	504 Northwest 10th	Ava	Douglas
MO Ozarks Community Health	201 S. Elm St	Gainesville	Ozark
MO Ozarks Community Health	804 N. Highway 5	Mansfield	Wright
MO Ozarks Community Health	904 Zimmerman	Cabool	Texas
MO Ozarks Community Health	1340 S. Sam Houston Blvd	Houston	Texas
MO Ozarks Community Health	North Main Street	Mountain Grove	Wright

Southern Missouri Community Health Center provides services, at two locations, in Howell and Oregon Counties.

**Table 10.3 Southern Missouri Community Health Center**

Name	Street	City	County
Southern Missouri Community Health	1137 Independence	West Plains	Howell
Oregon County Community Health	Route 3 Box 2707	Thayer	Oregon

## Hospitals

**Table 10.4 Hospitals in Region G**

Name	Street	City	County
Texas County Memorial Hospital	1333 S. Sam Houston Blvd	Houston	Texas
Ozarks Medical Center	100 N Kentucky Ave	West Plains	Howell
St. Francis Hospital	100 W Highway 60	Mountain View	Howell

## Mental Health Services

The Missouri Department of Mental Health offers clinical treatment and recovery support services through a variety of programs, at multiple locations, in the Region G area.

## Community Mental Health Centers

Services for the Missouri Department of Mental Health’s Division of Comprehensive Psychiatric Services are accessed through 25 service areas, with each service area serving particular counties of the state. Administrative Agents (community mental health centers) are responsible for providing these services. The nine counties in Region G are served by three community mental health centers listed in the following table.

**Table 10.5 Community Mental Health Centers Servicing Region G**

Name	Street	City	County
Family Counseling Center	925 Highway V	Kennett	Dunklin (Serves Carter & Reynolds)
Ozarks Medical Center	1100 Kentucky Ave	West Plains	Howell (serves Douglas, Howell, Ozark, Oregon, Shannon, Texas & Wright)
Mountain Grove Medical Complex	1604 N. Main St	Mountain Grove	Wright (serves Douglas, Howell, Ozark, Oregon, Shannon, Texas & Wright)

## CSTAR

The Comprehensive Substance Treatment and Rehabilitation (CSTAR) Program provides a continuum of care approach to substance abuse treatment. CSTAR offers a combination of clinical and supportive services, to include temporary living arrangements when appropriate, that vary in duration and intensity depending on individual needs.

### CSTAR Adolescent

The CSTAR Adolescent program offers intensive outpatient treatment services to both males and female adolescents with substance abuse problems.

**Table 10.6 CSTAR Adolescent Region G**

Name	Street	City	County
Family Counseling Center	3411 Division	West Plains	Howell
Family Counseling Center	1591 N. Highway 63	Houston	Texas

## CSTAR Women and Children

The CSTAR Women and Children program offers intensive outpatient treatment services to both women and their children, with priority focused on women who are pregnant, postpartum, or have children in physical care and custody.

**Table 10.7 CSTAR Women and Children Region G**

Name	Street	City	County
Southeast Missouri Behavioral Health	104 A Washington St	Doniphan	Oregon
Southeast Missouri Behavioral Health	401 N. Main Street	Van Buren	Carter
Family Counseling Center	1015 Lanton	West Plains	Texas

## CSTAR General Adult

The CSTAR General Adult program offers intensive outpatient treatment services to both men and women with substance abuse problems.

**Table 10.8 CSTAR General Adult Region G**

Name	Street	City	County
Southeast Missouri Behavioral Health	104 A Washington St	Doniphan	Oregon
Southeast Missouri Behavioral Health	401 N. Main Street	Van Buren	Carter
Family Counseling Center	1015 Lanton	West Plains	Texas

## Compulsive Gambling

Individuals with gambling problems and their family members can receive counseling services and referrals for other supportive interventions, including 12-step support groups, financial planning and remediation, and legal assistance. Treatment is individualized and services include individual and group counseling and family therapy. Services are funded through the Compulsive Gamblers Fund, which is derived from the fees paid by Missouri casino properties. One treatment center, located at Houston in Texas County, is available in the Region G area.

**Table 10.9 Compulsive Gambling Region G**

Name	Street	City	County
Southeast Missouri Behavioral Health	1597 Highway 63	Houston	Texas
Southeast Missouri Behavioral Health	104 A Washington St	Doniphan	Oregon
Southeast Missouri Behavioral Health	401 Main Street	Van Buren	Carter

## Primary Recovery Plus

The Primary Recovery Plus program provides a continuum of care including detoxification, outpatient services, and residential support as clinically appropriate. Services are designed to enhance participation in treatment and help improve individuals' functioning, promote community integration, and foster recovery from substance use disorders. These services are available at five locations in the Region G area.

**Table 10.10 Primary Recovery Plus Region G**

Name	Street	City	County
Southeast Missouri Behavioral Health	401 Main Street	Van Buren	Carter
Family Counseling Center	203 S. 2nd Street	Ava	Douglas
Family Counseling Center	1015 Lanton	West Plains	Howell
Family Counseling Center	219 E. 2nd Street	Mountain Grove	Wright
Southeast Missouri Behavioral Health	1597 Highway 63	Houston	Texas

## Substance Abuse Traffic Offender Program

Agencies, certified by the Department of Mental Health, Division of Alcohol and Drug Abuse, provides services to individuals involved in an alcohol or drug-related traffic offense through the Substance Abuse Traffic Offender Program (SATOP). Five agencies provide SATOP services in the Region G area.

**Table 10.11 SATOP Region G**

Name	Street	City	County
Community Services of Missouri	1400 S. Jefferson St	Ava	Douglas
South Central Missouri Citizen's Advisory Board	1559 Imperial Center	West Plains	Howell
Community Services of Missouri	1599 N. Highway 63	Houston	Texas
Community Services of Missouri	1902 W. 19th St	Mountain Grove	Wright
Southeast Missouri Community Treatment Center	1597 Highway 63	Houston	Texas

## Developmental Disabilities

The Missouri Department of Mental Health, Division of Developmental Disabilities (DD) provides services for individuals that have developmental disabilities such as mental retardation, cerebral palsy, head injuries, autism, epilepsy, and certain learning

disabilities. Region G is located in three Division of Developmental Disabilities' regions. The regional offices serve as the primary points of entry into the service system.

**Table 10.12 Developmental Disabilities Region G**

Name	Street	Counties Served
Poplar Bluff Regional Office	231 Kanell Blvd	Carter, Howell, Oregon, Reynolds, Shannon
Southeast Missouri Behavioral Health	401 N. Main Street	Douglas, Ozark, Wright
Family Counseling Center	1015 Lanton	Texas

## Long Term Care Facilities

Skilled Nursing Care Facilities (SNF) provides assistance and supervision with medical and personal care needs on a 24-hour basis. Residential Care (RCF) is for individuals needing a limited amount of care and medical supervision. Assisted Living Facilities (ALF) are available for individuals who need little to no care. Table 10.13 shows the type of facility and number of licensed beds, by each county, in Region G.

**Table 10.13 Long Term Care Facilities**

Name	City	County	Facility Type	# of Licensed Beds
Riverways Manor	Van Buren	Carter	Skilled Nursing	60
Velma Dowdy Assisted Living	Van Buren	Carter	Assisted Living Facility Option 2	24
Ava Place	Ava	Douglas	Residential Care Facility II	40
Heart of the Ozarks Healthcare Center	Ava	Douglas	Skilled Nursing	120
Brooke Haven Healthcare	West Plains	Howell	Skilled Nursing	120
Lamplight Village	West Plains	Howell	Residential Care Facility II	32
Mountain View Healthcare	Mountain View	Howell	Skilled Nursing	105
NHC Healthcare	West Plains	Howell	Skilled Nursing	120
Park Place Apartments	Mountain View	Howell	Assisted Living Facility Option 1	18
Pleasant Valley Manor	West Plains	Howell	Residential Care Facility II	72
South View Health Care LLC	West Plains	Howell	Residential Care Facility II	32



West Vue Nursing and Rehab Center	West Plains	Howell	Skilled Nursing	120
Willow Care Nursing Home	Willow Springs	Howell	Skilled Nursing	105
Willow West Apartments	Willow Springs	Howell	Assisted Living Facility Option 1	36
Shady Oaks Healthcare Center	Thayer	Oregon	Skilled Nursing	120
Shepherds View Assisted Living	Alton	Oregon	Skilled Living Facility Option 2	39
Gainesville Health Care Center	Gainesville	Ozark	Skilled Nursing	99
Becky's Place Residential Care LLC	Bunker	Reynolds	Residential Care Facility I	12
Brent B Tinnin Manor	Ellington	Reynolds	Skilled Nursing	60
Birch View Nursing Center	Birch Tree	Shannon	Skilled Nursing	90
Hilltop Haven	Eminence	Shannon	Residential Care Facility I	20
Houston House	Houston	Texas	Skilled Nursing	96
Kabul Nursing Homes Inc	Cabool	Texas	Skilled Nursing	99
Landmark Villa ALF	Cabool	Texas	Assisted Living Facility Option I	44
Licking Residential Care	Licking	Texas	Residential Care Facility II	34
Licking Park Manor	Licking	Texas	Skilled Nursing	60
Pineview Heights ALF	Cabool	Texas	Assisted Living Facility Option 1	16
Autumn Oaks Caring Center	Mountain Grove	Wright	Skilled Nursing	120
County Living Assisted Living	Mountain Grove	Wright	Assisted Living Facility Option 1	40
Hartville Care Center	Hartville	Wright	Skilled Nursing	60
Rocky Ridge Manor	Mansfield	Wright	Skilled Nursing	65

## Physical Activity

Parks in Carter County: Ozark National Scenic Riverways, Big Spring Campgrounds, Big Spring State Park, Miller Community Lake State Wildlife Area, Peck Ranch State Wildlife Management Area, Chilton Creek Campsite, and Watercross Park

Parks in Douglas County: Rippee State Wildlife Management Area and Davis Roadside Park

Parks in Howell County: Carmen Springs Wildlife Refuge Management Area and Dean Davis State Wildlife Area

Parks in Oregon County: Grand Gulf State Park, and Eleven Point National Scenic River

Parks in Ozark County: Spring Creek Public Use Area, Blair Bridge Park, Caney Mountain State Game Refuge, and Pontiac Public Use Area.

Parks in Reynolds County: Webb Creek Public Use Area, Bluff View Public Use Area, Highway K Public Use Area, Piedmont Park Public Use Area, Johnson Shut-Ins State Park, Thurman Point Public Use Area, and Clearwater Lake State Wildlife Management Area

Parks in Shannon County: Flat Rock State Wildlife Area, Alley Spring State Park, Skunk Pond State Wildlife Management Area, Bay Creek Campsite, Blue Spring Campsite, Round Spring State Park, Roberts Field Campsite, Curve Bridge Picnic Area, Twin Pines, and Mahan Roadside Park

Parks in Texas County: Barn Hollow Natural Area, Cabool State Wildlife Management Area, Rodeo Stadium, Pairlee Freeman Barnes State Wildlife Area, Larson State Wildlife Management Area, Piney River Narrows State Natural Area, and Summersville Towersite State Wildlife Area

Park in Wright County: Wilber Allen Memorial State Wildlife Area

A variety of other opportunities for physical activity are available across the nine-county area. A YMCA is located in Mountain Grove and many of the towns have community centers that offer physical activity opportunities.

## Pregnancy Support Services

Table 10.14 includes pregnancy support services within the Region G service area

**Table 10.14 Pregnancy Support Services Region G**

Name	Street	City	County
Options Pregnancy Clinic	201 N. Jefferson	Ava	Douglas
PCR of South Central Missouri	107 E. Pine St	Houston	Texas
Pregnancy Resource Center	600 E. State St	Mountain Grove	Wright
Birthright	1507 Imperial Ctr	West Plains	Howell
Whole Kids Outreach	62143 Hwy 21	Ellington	Reynolds
Riverways Pregnancy Resource Center	East Hwy 72	Bunker	Reynolds

## Public Health Services

Local public health agencies (LPHA) are committed to the protection and enhancement of health and the quality of life for all members of the community. Services include assessment of health and environmental status, development of policies and priorities, and assurance of an appropriate response to the identified needs. A LPHA, also known as county health department or health center, is located in each county. Each agency offers a range of services that vary by county. Environmental Public Health Programs promote healthy environmental conditions and reduce risks associated with communicable disease. Health promotion activities educate people about prevention and improve access to preventive services designed to prevent disease and improve health and quality of life. Immunization services increase the proportion of children and adults who are vaccinated against vaccine-preventable diseases. WIC improves the health of nutritionally at-risk women, infants and children. Prenatal case management supports at-risk pregnant women. Family planning services improve pregnancy planning and prevent unintended pregnancy. Some of the local public health agencies also offer in-home and home health services for uninsured or underinsured older and disabled residents. Home health services include skilled nursing and aide services, physical and speech therapy, and the provision of medical supplies and equipment.

**Table 10.15 Public Health Services Region G**

Name	Street	City
Carter County Health Center	1611 Health Center Rd	Van Buren
Douglas County Health Department	603 NW 12th Ave	Ava
Howell County Health Department	180 S. Kentucky St	West Plains
Oregon County Health Department	4th & Market St	Alton
Ozark County Health Center	304 W. 3rd St	Gainesville
Reynolds County Health Center	2323 Green St	Centerville
Shannon County Health Center	110 Grey Jones Dr	Eminence
Texas County Health Department	950 N. Hwy 63	Houston
Wright County Health Department	300 S. Main Ste C	Hartsville

## Rural Health Clinics

The primary objective of a Rural Health Clinic is to provide core health care services in a rural area. These core health care services include primary health care services such as acute or chronic medical problems which would usually bring a patient to a physician's office, specialty services, such as family practice, pediatric, or obstetrics/gynecology. Table 10.16 shows the Rural Health Clinics in Region G.

**Table 10.16 Rural Health Clinics Region G**

Name	Street	City	County
SoutheastHealth Family Medicine of Van Buren	1009 Hwy Business 60	Van Buren	Carter
Mansfield Clinic dba Prime Care of Ava	120 SW 2nd Ave	Ava	Douglas
Burton Creek Medical Clinic	805 Kentucky Ave	West Plains	Howell
Doctors Urgent Care of West Plains LLC	314 N. Kentucky Ave	West Plains	Howell
Joseph William Stafford Jr.	312 Kentucky Ave	West Plains	Howell
McVicker Family Clinic	220 N. Elm St	Mountain View	Howell
Medical Clinic of Willow Springs	816 E. Main St	Willow Springs	Howell
Mercy Clinic Family Medicine	1202 E. Main St	Willow Springs	Howell
Mountain View Medical Clinic	104 E. Hwy 60	Mountain View	Howell
OMC Urgan Care Clinic	181 Kentucky Ave	West Plains	Howell
Ozarks Medical Center Behavioral Healthcare	1211 Porter Wagoner Blvd	West Plains	Howell
Valley Medical Clinic	308 S. Harris	Willow Springs	Howell
Westwood Rural Health Clinic	2642 State Route 76	Willow Springs	Howell
Ozarks Medical Clinic of Alton	100 Medical Dr	Alton	Oregon
Thayer Medical Clinic	Highway 63 & Eastwood Center	Thayer	Oregon
Gainesville Clinic	404 W State Hwy 160	Gainesville	Ozark
Theodosia Family Medical Clinic	4900 St. Hwy 160	Theodosia	Ozark
SoutheastHealth Family Medicine of Ellington	350 W Walnut	Ellington	Reynolds
Mercy Clinic Family Medicine	State Hwy 99 & O'Banion St	Birch Tree	Shannon
Shannon County Medical Clinic	1008 Hwy 18	Winona	Shannon
Mercy Clinic Family Medicine	149 Rogers Ave	Summersville	Texas

Mercy Clinic - Houston	1422 S. Sam Houston Blvd	Houston	Texas
TCMH - Cabool Medical Clinic	500 Main St	Cabool	Texas
TCMH Family Clinic	233 S Main St	Licking	Texas
TCMH Internal Medicine Associates	1337 S. Sam Houston Blvd	Houston	Texas
Cox Health Center Mountain Grove	1602 A N. Main St	Mountain Grove	Wright
Family Walk-In Clinic of Mountain Grove, Inc	205 W. 3rd	Mountain Grove	Wright
Hartville Medical Clinic	275 S. School Ave	Hartville	Wright
Mansfield Clinic, Inc	304 W Commercial	Mansfield	Wright
Mercy Clinic Family Medicine	120 W 16th St	Mountain Grove	Wright
Mountain Grove Medical and Laser Center PC	601 N. Busch St	Mountain Grove	Wright
Mountain Grove Medical Complex	500 N. 19th St	Mountain Grove	Wright
TCMH Mountain Grove Clinic	1905 W 19th St	Mountain Grove	Wright

## Shelters for Abuse Victims

Three shelters are available, in the Region G area, for victims of domestic violence. These agencies offer a variety of residential and non-residential services.

**Table 10.17 Shelters for Abuse Victims Region G**

Name	City	Services
Whole Health Outreach/Casa Guadalupe Shelter	Ellington	Emergency Services, Legal and Financial Assistance, Counseling Services, Housing Services, Support Services, Children's Services and Community Educational Services. Language: English and Spanish
Agabe House Inc of Mountain View	Mountain View	Focus on Elderly Women, and Males. Emergency Services, Legal and Financial Assistance, Counseling Services, Housing Services, Support Services, Children's Services and Community Educational Services. Language: English and Spanish
Christos House	West Plains	Emergency Services, Legal and Financial Assistance, Counseling Services, Housing Services, Support Services, Children's Services and Community Educational Services. Language: English, Spanish and Sign

## Transportation

Limited transportation resources are available across the region. OATS, SMTS, and Medicaid Non-Emergency Transportation services vary by city and county. Senior Centers provide limited transportation services for seniors within their communities.