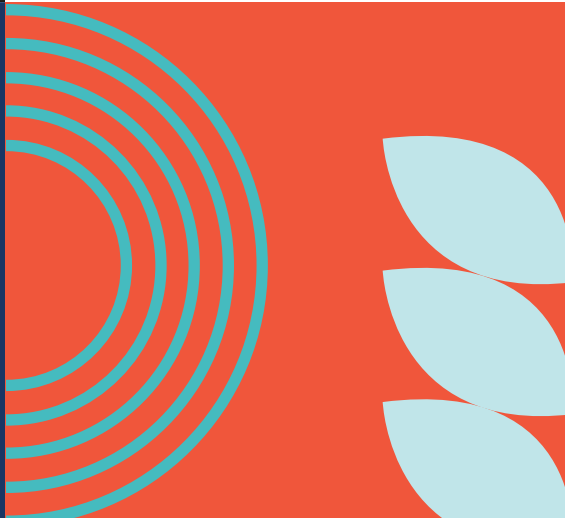





# Tri-County Food Assessment



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**Prepared by Tri- County Health Network  
Bamberg, Orangeburg and Calhoun Counties**

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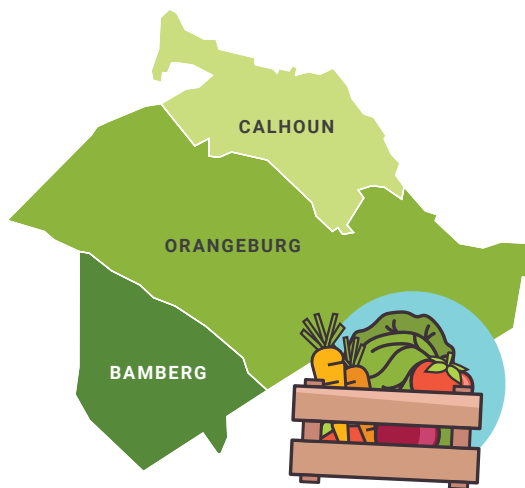
This material was funded by USDA's Supplemental Nutrition Assistance Program (SNAP).

## 1

## The Organization

The Tri-County Health Network (TCHN) started the Food Policy Council (FPC) Initiative after receiving a grant from University of South Carolina SNAP-Ed. This FPC is a grassroots effort to bring diverse members of Bamberg, Orangeburg, and Calhoun Counties together to:

- Increase healthy food access,
- Educate all stakeholders about the connection between healthy food and good health;
- Increase local farmers' market share,
- Develop food policy recommendations, and
- Increase community awareness.

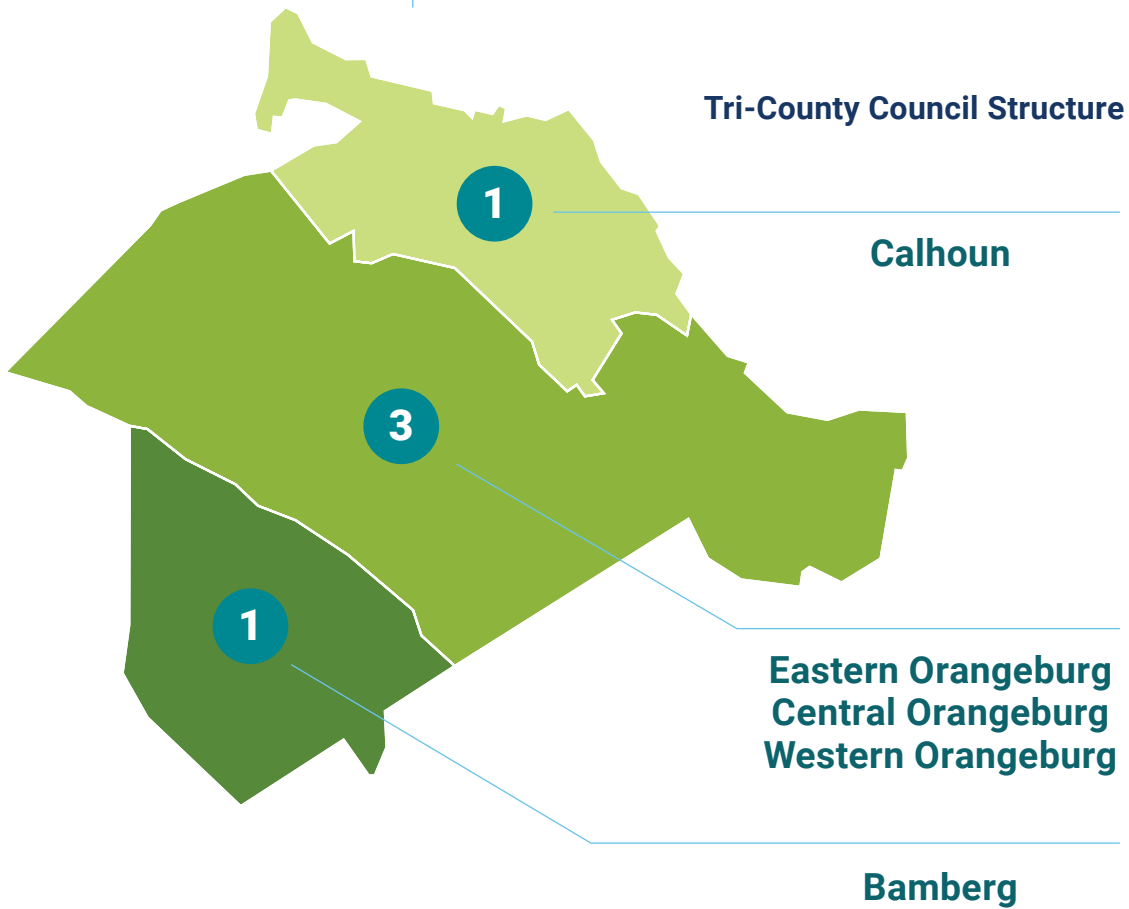


### AREA RESOURCES

The tri-county area is located between Columbia and Charleston, South Carolina. All three counties are robust in farm land and poised to grow economically. Local farmers supply grocery stores and some farmers allow residents to glean after harvest. One action team's focus is local farmers and land use.

There are three universities and two technical colleges: SC State, Claflin, and Voorhees; Denmark Technical College and Orangeburg-Calhoun Technical College. SC State recently acquired 200 acres in Olar, SC (Bamberg County) for a new research farm. SC State has both a degree in agribusiness and a new farming degree under Health and Consumer Sciences. These resources are available to the councils as they develop.

Community champions and residents are the greatest resources. They are committed to improving the food system for the benefit of the entire community. TCHN is committed to increasing healthy food access as a strategy for reducing hypertension, obesity, and diabetes.



**Tri-County Action Groups**



Local Food Access



Farmers / Land Use



Development

**COUNCIL STRUCTURE**

The Tri- County FPC will have representatives from each county chapter. Orangeburg County has the second largest landmass in South Carolina. Therefore, it will have three sectors: Eastern, Central, and Western Orangeburg. The Bamberg Chapter will serve as a model for Calhoun and Orangeburg chapters. Each local chapter will have leaders and community action groups. Startup action groups are: local food access, farmers/ land use, and development.

## 2

## Data

### DATA METHOD

Data collected for this Community Food Assessment (CFA) is a startup tool for the FPC. The first method used to gather information related to healthy food access, was community surveys. Initial surveys were conducted in public housing communities. Action group meetings and Food Gatherings provided community members opportunities for open discussions. Those meetings and interviews provided grassroots information about the communities.

The initial surveys focused on consumption, access, and barriers to healthy food access. Another survey added questions about chronic illness diagnosis. Survey responses are included in this assessment. Community Food Assessments will be ongoing to keep data current, identify improvements or setbacks to healthy food access, and encourage continued community contributions to the council. These practices will allow the Tri-County Food Policy council to make solid policy recommendations and advocate for constituents.

Additional data includes demographics for each county, South Carolina County Health Profile, and the NASS Profile for each county.



### DEMOGRAPHICS: BAMBERG COUNTY

#### Households and Families

In 2016-2020, there were 5,070 households in Bamberg County, South Carolina. The average household size was 2.59 people.

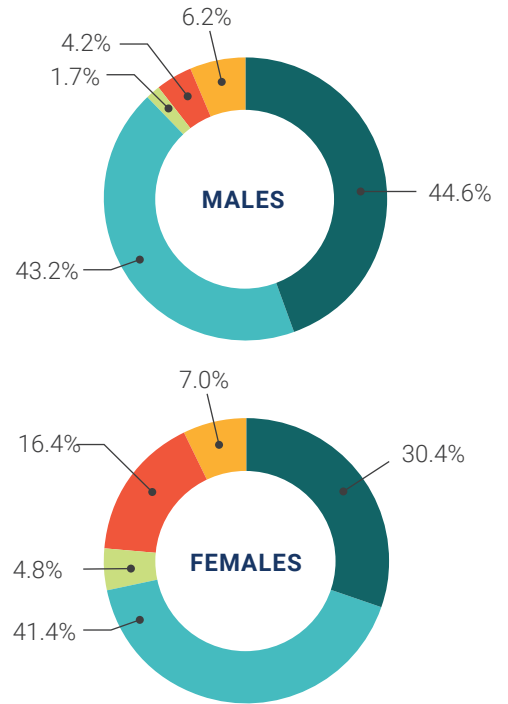
Married-couple households made up 45.0 percent of the households in Bamberg County, South Carolina while cohabiting couple households made up 5.6 percent of households. Female householders with no spouse or partner present were 35.2 percent of all households, while 14.2 percent of households were male householders with no spouse or partner present. Of people living alone, 12.1 percent were male householders, and 17.5 percent were female householders, for a total of 29.6 percent of all households.

In Bamberg County, South Carolina, 27.9 percent of all households have one or more people under the age of 18; 42.8 percent of all households have one or more people 65 years and over.

## Types of Households in Bamberg County, South Carolina in 2016-2020: Marital status

Among persons 15 and older, 43.2 percent of males and 41.4 percent of females are currently married.

Population 15 years and over	Males	Females
Never married	44.6	30.4
Now married, except separated	43.2	41.4
Separated	1.7	4.8
Widowed	4.2	16.4
Divorced	6.2	7.0



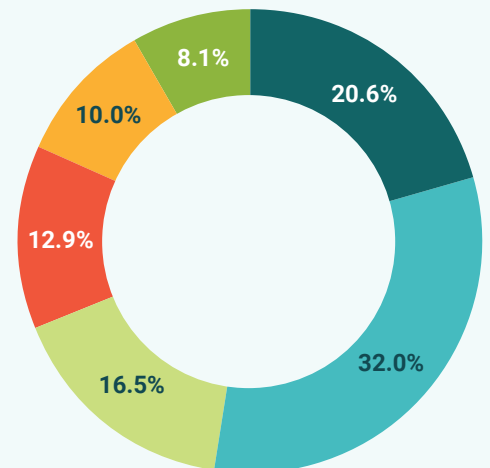
## Grandparents and grandchildren

In Bamberg County, South Carolina, 711 grandparents lived with their grandchildren under 18 years old. Of those grandparents, 32.5 percent were responsible for the basic needs of their grandchildren.

## Education

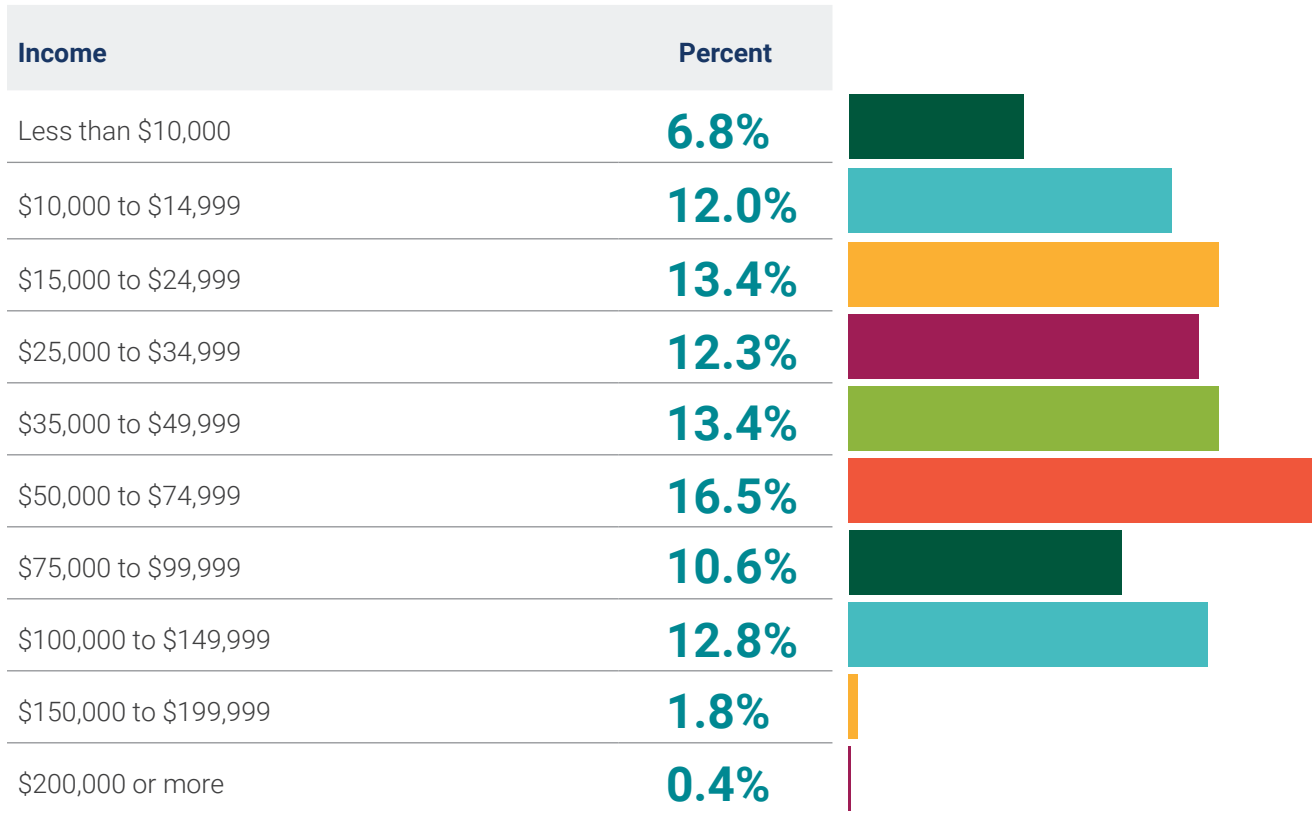
In 2016-2020, 79.4 percent of people 25 years and over had at least graduated from high school and 18.1 percent had a bachelor’s degree or higher. An estimated 20.6 percent did not complete high school. The total school enrollment in Bamberg County, South Carolina was 3,781 in 2016-2020. Nursery school enrollment was 70 and kindergarten through 12th grade enrollment was 2,243. College or graduate school enrollment was 1,468.

Educational Attainment	Percent
Less than high school diploma	20.6
High school diploma or equivalency	32.0
Some college, no degree	16.5
Associate's degree	12.9
Bachelor's degree	10.0
Graduate or professional degree	8.1



### Income

The median income of households in Bamberg County, South Carolina was \$42,830. An estimated 6.8 percent of households had income below \$10,000 a year and 0.4 percent had income over \$200,000 or more.



Median earnings for full-time year-round workers was \$37,817. Male full-time year-round workers had median earnings of \$43,034. Female full-time year-round workers had median earnings of \$34,565.



### Proportion of Households with Various Income Sources

An estimated 66.1 percent of households received earnings. An estimated 45.6 percent of households received Social Security and an estimated 28.1 percent of households received retirement income other than Social Security. The average income from Social Security was \$18,317. These income sources are not mutually exclusive; that is, some households received income from more than one source.

**66.1%**  
EARNINGS

**45.6%**  
SOCIAL SECURITY





**28.1%**  
RETIREMENT INCOME

**7.8%**  
SUPPLEMENTAL SECURITY INCOME (SSI)

**4.3%**  
CASH PUBLIC ASSISTANCE INCOME

## Poverty and Participation in Government Programs

In 2016-2020, 21.0 percent of people were in poverty. An estimated 31.2 percent of children under 18 were below the poverty level, compared with 14.4 percent of people 65 years old and over. An estimated 19.9 percent of people 18 to 64 years were below the poverty level.

Poverty Rate	Percent	
People in poverty	<b>21.0%</b>	
Children under 18 years below poverty	<b>31.2%</b>	
People 65 years old and over below poverty	<b>14.4%</b>	
People 18 to 64 years below poverty	<b>19.9%</b>	

**In 2016-2020, 19.4 percent of households received SNAP (the Supplemental Nutrition Assistance Program).** An estimated 41.4 percent of households that received SNAP had children under 18, and 60.6 percent of households that received SNAP had one or more people 60 years and over. An estimated 29.5 percent of all households receiving SNAP were families with a female householder and no spouse present. An estimated 18.0 percent of households receiving SNAP had two or more workers in the past 12 months.

## Population

In 2016-2020, Bamberg County, South Carolina had a total population of 14,236 - 7,174 (50.4 percent) females and 7,062 (49.6 percent) males. The median age was 41.5 years. An estimated 19.7 percent of the population was under 18 years, 33.9 percent was 18 to 44 years, 24.8 percent was 45 to 64 years, and 21.7 percent was 65 years and older.



Age	Male	Female
Under 5	6.1	3.1
5 to 9	5.8	6.7
10 to 14	6.0	4.6
15 to 19	14.1	4.2
20 to 24	7.5	9.3
25 to 29	3.2	5.2
30 to 34	5.7	3.9
35 to 39	5.7	5.3
40 to 44	4.7	6.1
45 to 49	3.9	5.2
50 to 54	4.8	6.7
55 to 59	6.9	7.5
60 to 64	7.0	7.3
65 to 69	2.7	7.1
70 to 74	5.7	6.5
75 to 79	2.3	3.7
80 to 84	4.4	4.4
85 and over	3.4	3.1



## DEMOGRAPHICS: CALHOUN COUNTY

### Households and Families

In 2016-2020, there were 6,221 households in Calhoun County, South Carolina. The average household size was 2.32 people.

Married-couple households made up 47.7 percent of the households in Calhoun County, South Carolina while cohabiting couple households made up 1.7 percent of households. Female householders with no spouse or partner present were 33.0 percent of all households, while 17.6 percent of households were male householders with no spouse or partner present. Of people living alone, 14.5 percent were male householders, and 17.7 percent were female householders, for a total of 32.2 percent of all households.

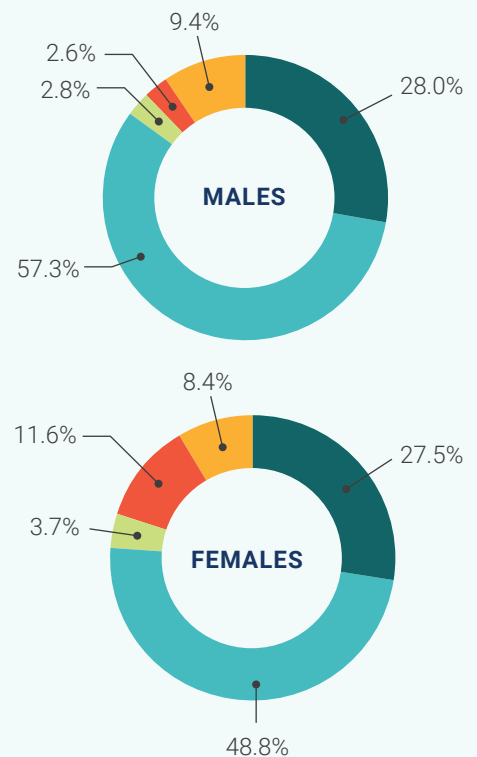
In Calhoun County, South Carolina, 26.0 percent of all households have one or more people under the age of 18; 42.0 percent of all households have one or more people 65 years and over.

### Types of Households in Calhoun County, South Carolina in 2016-2020:

#### Marital status

Among persons 15 and older, 57.3 percent of males and 48.8 percent of females are currently married.

Population 15 years and over	Males	Females
Never married	28.0	27.5
Now married, except separated	57.3	48.8
Separated	2.8	3.7
Widowed	2.6	11.6
Divorced	9.4	8.4



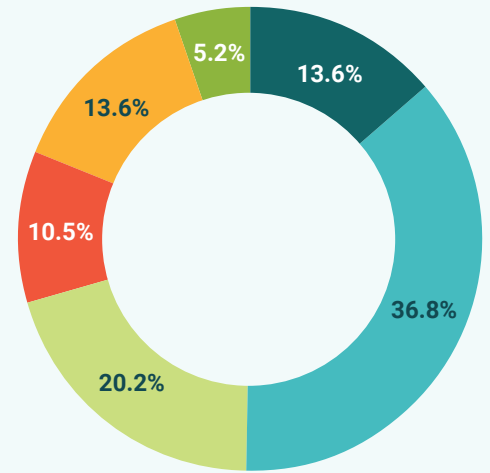
### Grandparents and grandchildren

In Calhoun County, South Carolina, 376 grandparents lived with their grandchildren under 18 years old. Of those grandparents, 45.7 percent were responsible for the basic needs of their grandchildren.

### Education

In 2016-2020, 86.4 percent of people 25 years and over had at least graduated from high school and 18.8 percent had a bachelor’s degree or higher. An estimated 13.6 percent did not complete high school. The total school enrollment in Calhoun County, South Carolina was 2,764 in 2016-2020. Nursery school enrollment was 87 and kindergarten through 12th grade enrollment was 2,169. College or graduate school enrollment was 508.

Educational Attainment	Percent
Less than high school diploma	13.6
High school diploma or equivalency	36.8
Some college, no degree	20.2
Associate's degree	10.5
Bachelor's degree	13.6
Graduate or professional degree	5.2



### Income

The median income of households in Calhoun County, South Carolina was \$49,844. An estimated 12.1 percent of households had income below \$10,000 a year and 2.1 percent had income over \$200,000 or more.

Income	Percent
Less than \$10,000	6.8%
\$10,000 to \$14,999	12.0%
\$15,000 to \$24,999	13.4%
\$25,000 to \$34,999	12.3%
\$35,000 to \$49,999	13.4%
\$50,000 to \$74,999	16.5%
\$75,000 to \$99,999	10.6%
\$100,000 to \$149,999	12.8%
\$150,000 to \$199,999	1.8%
\$200,000 or more	0.4%

Median earnings for full-time year-round workers was \$43,576. Male full-time year-round workers had median earnings of \$47,096. Female full-time year-round workers had median earnings of \$36,225.



### Proportion of Households with Various Income Sources

An estimated 70.6 percent of households received earnings. An estimated 39.6 percent of households received Social Security and an estimated 31.0 percent of households received retirement income other than Social Security. The average income from Social Security was \$18,153. These income sources are not mutually exclusive; that is, some households received income from more than one source.



### Poverty and Participation in Government Programs

In 2016-2020, 19.0 percent of people were in poverty. An estimated 28.7 percent of children under 18 were below the poverty level, compared with 12.4 percent of people 65 years old and over. An estimated 18.7 percent of people 18 to 64 years were below the poverty level.

Poverty Rate	Percent	
People in poverty	<b>19.0%</b>	<div style="width: 19%; height: 15px; background-color: #006400;"></div>
Children under 18 years below poverty	<b>28.7%</b>	<div style="width: 28.7%; height: 15px; background-color: #008080;"></div>
People 65 years old and over below poverty	<b>12.4%</b>	<div style="width: 12.4%; height: 15px; background-color: #FFA500;"></div>
People 18 to 64 years below poverty	<b>18.7%</b>	<div style="width: 18.7%; height: 15px; background-color: #800040;"></div>

**In 2016-2020, 15.7 percent of households received SNAP (the Supplemental Nutrition Assistance Program).** An estimated 42.4 percent of households that received SNAP had children under 18, and 54.2 percent of households that received SNAP had one or more people 60 years and over. An estimated 43.6 percent of all households receiving SNAP were families with a female householder and no spouse present. An estimated 41.9 percent of households receiving SNAP had two or more workers in the past 12 months.

## Population

In 2016-2020, Calhoun County, South Carolina had a total population of 14,608 - 7,549 (51.7 percent) females and 7,059 (48.3 percent) males. The median age was 46.0 years. An estimated 19.1 percent of the population was under 18 years, 30.0 percent was 18 to 44 years, 28.2 percent was 45 to 64 years, and 22.8 percent was 65 years and older.



Age	Male	Female
Under 5	5.6	4.2
5 to 9	5.1	4.2
10 to 14	6.5	5.6
15 to 19	5.9	4.6
20 to 24	7.5	3.6
25 to 29	3.8	7.3
30 to 34	5.4	5.5
35 to 39	4.2	5.2
40 to 44	8.5	5.5
45 to 49	4.5	5.9
50 to 54	5.9	7.6
55 to 59	9.6	7.7
60 to 64	6.4	8.7
65 to 69	9.6	9.9
70 to 74	4.4	4.3
75 to 79	3.9	5.3
80 to 84	2.7	2.3
85 and over	0.4	2.6

## DEMOGRAPHICS: ORANGEBURG COUNTY

### Households and Families

In 2016-2020, there were 33,629 households in Orangeburg County, South Carolina. The average household size was 2.50 people.

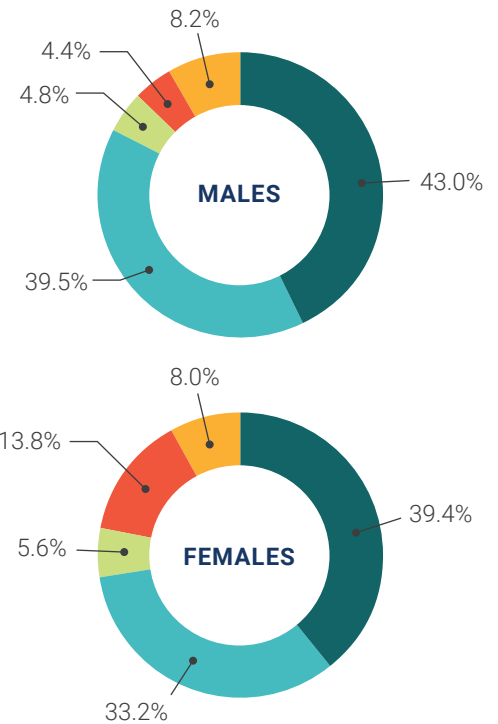
Married-couple households made up 35.6 percent of the households in Orangeburg County, South Carolina while cohabiting couple households made up 4.0 percent of households. Female householders with no spouse or partner present were 40.3 percent of all households, while 20.1 percent of households were male householders with no spouse or partner present. Of people living alone, 16.5 percent were male householders, and 21.4 percent were female householders, for a total of 37.9 percent of all households.

In Orangeburg County, South Carolina, 23.6 percent of all households have one or more people under the age of 18; 38.0 percent of all households have one or more people 65 years and over.

## Types of Households in Orangeburg County, South Carolina in 2016-2020: Marital status

Among persons 15 and older, 39.5 percent of males and 33.2 percent of females are currently married.

Population 15 years and over	Males	Females
Never married	43.0	39.4
Now married, except separated	39.5	33.2
Separated	4.8	5.6
Widowed	4.4	13.8
Divorced	8.2	8.0



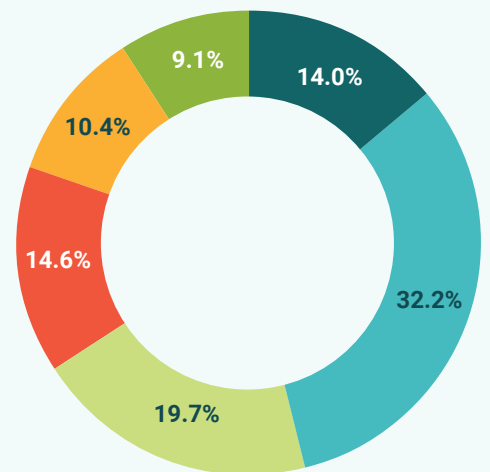
## Grandparents and grandchildren

In Orangeburg County, South Carolina, 1,773 grandparents lived with their grandchildren under 18 years old. Of those grandparents, 56.9 percent were responsible for the basic needs of their grandchildren.

## Education

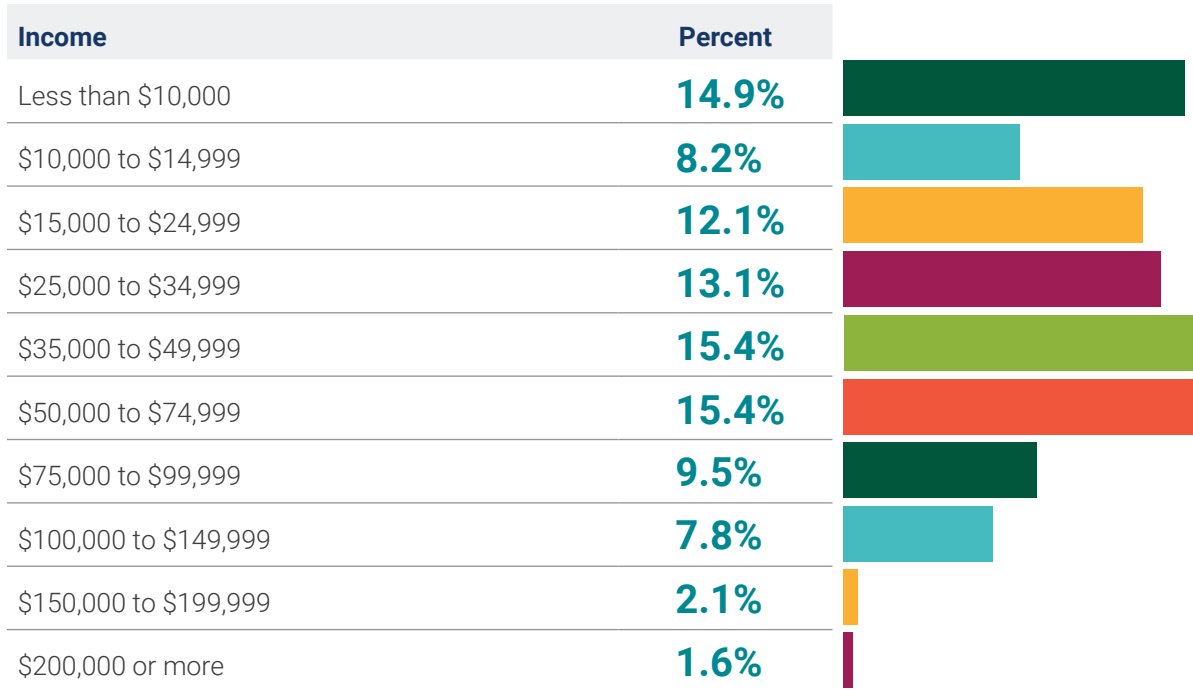
In 2016-2020, 86.0 percent of people 25 years and over had at least graduated from high school and 19.5 percent had a bachelor’s degree or higher. An estimated 14.0 percent did not complete high school. The total school enrollment in Orangeburg County, South Carolina was 22,324 in 2016-2020. Nursery school enrollment was 770 and kindergarten through 12th grade enrollment was 14,826. College or graduate school enrollment was 6,728.

Educational Attainment	Percent
Less than high school diploma	14.0
High school diploma or equivalency	32.2
Some college, no degree	19.7
Associate's degree	14.6
Bachelor's degree	10.4
Graduate or professional degree	9.1



### Income

The median income of households in Orangeburg County, South Carolina was \$36,802. An estimated 14.9 percent of households had income below \$10,000 a year and 1.6 percent had income over \$200,000 or more.



Median earnings for full-time year-round workers was \$37,256. Male full-time year-round workers had median earnings of \$40,842. Female full-time year-round workers had median earnings of \$34,821.



### Proportion of Households with Various Income Sources

An estimated 67.6 percent of households received earnings. An estimated 37.7 percent of households received Social Security and an estimated 25.1 percent of households received retirement income other than Social Security. The average income from Social Security was \$17,041. These income sources are not mutually exclusive; that is, some households received income from more than one source.

**67.6%**

EARNINGS

**37.7%**

SOCIAL SECURITY

**25.1%**

RETIREMENT INCOME

**8.1%**

SUPPLEMENTAL SECURITY INCOME (SSI)

**4.7%**

CASH PUBLIC ASSISTANCE INCOME

## Poverty and Participation in Government Programs

In 2016-2020, 23.1 percent of people were in poverty. An estimated 34.9 percent of children under 18 were below the poverty level, compared with 18.7 percent of people 65 years old and over. An estimated 20.1 percent of people 18 to 64 years were below the poverty level.

Poverty Rate	Percent
People in poverty	23.1%
Children under 18 years below poverty	34.9%
People 65 years old and over below poverty	18.7%
People 18 to 64 years below poverty	20.1%

**In 2016-2020, 20.2 percent of households received SNAP (the Supplemental Nutrition Assistance Program).** An estimated 44.9 percent of households that received SNAP had children under 18, and 42.8 percent of households that received SNAP had one or more people 60 years and over. An estimated 42.6 percent of all households receiving SNAP were families with a female householder and no spouse present. An estimated 30.2 percent of households receiving SNAP had two or more workers in the past 12 months.

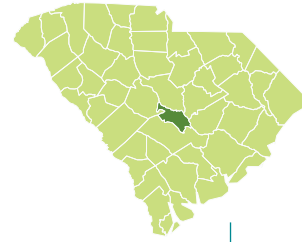
## Population

In 2016-2020, Orangeburg County, South Carolina had a total population of 86,953 - 46,384 (53.3 percent) females and 40,569 (46.7 percent) males. The median age was 40.5 years. An estimated 22.0 percent of the population was under 18 years, 32.3 percent was 18 to 44 years, 26.0 percent was 45 to 64 years, and 19.6 percent was 65 years and older.

Age	Male	Female
Under 5	5.7	4.9
5 to 9	6.7	5.7
10 to 14	7.4	6.1
15 to 19	7.3	6.8
20 to 24	7.1	6.8
25 to 29	6.5	6.3
30 to 34	5.3	5.8
35 to 39	5.3	5.2
40 to 44	4.9	5.1
45 to 49	5.5	5.8
50 to 54	6.3	6.5
55 to 59	5.3	6.8
60 to 64	8.5	7.4
65 to 69	6.6	7.4
70 to 74	4.6	4.6
75 to 79	3.4	4.5
80 to 84	2.3	1.7
85 and over	1.2	2.7



## BAMBERG COUNTY: AGRICULTURE 2012-2017



### Total and Per Farm Overview

Bamberg County Total	2017	% Change since 2012
Number of farms	355	+13
Land in farms (acres)	120,591	+11
Average size of farm (acres)	289	-2
Market value of products sold	36,937,000	-1
Government payments	2,126,000	+51
Farm-related income	3,519,000	+37
Total farm production expenses	32,587,000	+4
Net cash farm income	9,996,000	+2

Bamberg County Per Farm Average	2017	% Change since 2012
Market value of products sold	104,049	-12
Government payments	11,016	+67
Farm-related income	31,142	+83
Total farm production expenses	91,793	-8
Net cash farm income	28,158	-10

**1%**  
OF STATE  
AGRICULTURE SALES

#### SHARE OF SALES BY TYPE

**Crops:** 62%

**Livestock, poultry & products:** 38%

#### LAND IN FARMS BY USE

**Cropland:** 52%

**Pastureland:** 5%

**Woodland:** 39%

**Other:** 4%

#### LAND USE PRACTICES

**No till:** 17%

**Reduced till:** 7%

**Intestive till:** 25%

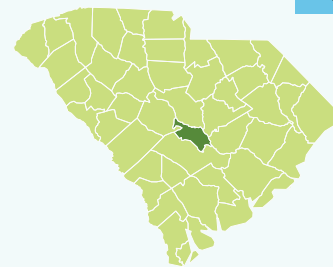
**Cover crop:** 6%

Bamberg County Farms by Value of Sales	Number	Percent of Total
Less than \$2,500	178	50
\$2,500 to \$4,999	36	10
\$5,000 to \$9,999	36	10
\$10,000 to \$24,999	21	6
\$25,000 to \$49,999	10	3
\$50,000 to \$99,999	20	6
\$100,000 or more	54	15

Bamberg County Farms by Size	Number	Percent of Total
1 to 9 acres	40	11
10 to 49 acres	63	18
50 to 179 acres	129	36
180 to 499 acres	74	21
500 to 999 acres	27	8
1,000+ acres	22	6



## BAMBERG COUNTY: AGRICULTURE 2012-2017



### Market Value of Agricultural Products Sold

Bamberg County Total	Sales (\$1,000)	Rank in State	Number of Counties	Rank in U.S.	Number of U.S. Counties
<b>Crops</b>	<b>22,926</b>	<b>17</b>	<b>46</b>	<b>1,567</b>	<b>3,073</b>
Grains, oilseeds, dry beans, dry peas	6,469	14	46	1,546	2,916
Tobacco	-	-	13	-	323
Cotton and cottonseed	4,520	12	31	277	647
Vegetables, melons, potatoes, sweet potatoes	4,827	6	46	352	2,821
Fruits, tree nuts, berries	260	19	45	900	2,748
Nursery, greenhouse, floriculture, sod	1,989	19	41	648	2,601
Cultivated Christmas trees, short rotation woody crops	-	-	31	-	1,384
Other crops and hay	4,861	8	46	508	3,040
<b>Livestock, poultry and products</b>	<b>14,011</b>	<b>27</b>	<b>46</b>	<b>1,903</b>	<b>3,073</b>
Poultry and eggs	7,133	28	45	595	3,007
Cattle and calves	1,624	20	46	2,248	3,055
Milk from cows	5,060	3	26	598	1,892
Hogs and pigs	94	15	44	929	2,856
Sheep, goats, wool, mohair, milk	(D)	32	46	(D)	2,984
Horses, ponies, mules, burros, donkeys	56	26	46	1,748	2,970
Aquaculture	-	-	22	-	1,251
Other animals and animal products	(D)	18	45	(D)	2,878
<b>Total</b>	<b>36,937</b>	<b>25</b>	<b>46</b>	<b>2,010</b>	<b>3,077</b>

## BAMBERG COUNTY: AGRICULTURE 2012-2017

### Demographics

**525**  
TOTAL  
PRODUCERS

**364**  
MALE

**161**  
FEMALE



Race	Number of Producers
American Indian / Alaska Native	-
Asian	-
Black or African American	85
Native Hawaiian / Pacific Islander	-
White	436
More than one race	4

Age	Number of Producers
<35	31
35-64	286
65+	208

Other Characteristics	Number of Producers
Hispanic, Latino, Spanish origin	3
With military service	55
New and beginning farmers	129

**75%**  
OF FARMS  
HAVE INTERNET  
ACCESS

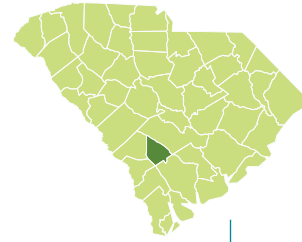
**4%**  
OF FARMS SELL  
DIRECTLY TO  
CONSUMERS

**36%**  
OF FARMS  
HIRE FARM LABOR

**97%**  
OF FARMS  
ARE FAMILY  
FARMS

Livestock Inventory (Dec. 31, 2017)	Number of Livestock
Broilers and other chickens	350,200
Cattle and calves	5,859
Goats	208
Hogs and pigs	489
Horses and ponies	367
Layers	512
Pullets	(D)
Sheep and lambs	(D)
Turkeys	-

Top Crops in Acres	Number of Crops
Cotton, all	8,539
Soybeans or beans	8,014
Corn for grain	6,046
Peanuts for nuts	4,898
Forage (hay), all	3,710



## CALHOUN COUNTY: AGRICULTURE 2012-2017

### Total and Per Farm Overview

Calhoun County Total	2017	% Change since 2012
Number of farms	480	+17
Land in farms (acres)	148,718	+26
Average size of farm (acres)	310	+8
Market value of products sold	80,798,000	+1
Government payments	3,859,000	+136
Farm-related income	2,941,000	-4
Total farm production expenses	62,512,000	-2
Net cash farm income	25,086,000	+22

Calhoun County Per Farm Average	2017	% Change since 2012
Market value of products sold	168,330	-13
Government payments	19,792	+129
Farm-related income	15,083	-12
Total farm production expenses	130,234	-16
Net cash farm income	52,263	+5

**3%**  
OF STATE  
AGRICULTURE SALES

#### SHARE OF SALES BY TYPE

**Crops:** 73%

**Livestock, poultry & products:** 27%

#### LAND IN FARMS BY USE

**Cropland:** 54%

**Pastureland:** 3%

**Woodland:** 39%

**Other:** 4%

#### LAND USE PRACTICES

**No till:** 11%

**Reduced till:** 15%

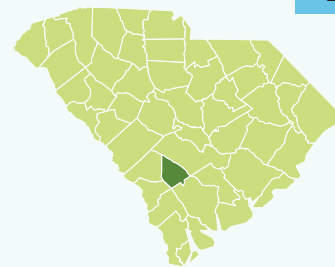
**Intestive till:** 11%

**Cover crop:** 5%

Calhoun County Farms by Value of Sales	Number	Percent of Total
Less than \$2,500	248	52
\$2,500 to \$4,999	26	5
\$5,000 to \$9,999	22	5
\$10,000 to \$24,999	61	13
\$25,000 to \$49,999	38	8
\$50,000 to \$99,999	10	2
\$100,000 or more	75	16

Calhoun County Farms by Size	Number	Percent of Total
1 to 9 acres	67	14
10 to 49 acres	110	23
50 to 179 acres	128	27
180 to 499 acres	105	22
500 to 999 acres	24	5
1,000+ acres	46	10

## CALHOUN COUNTY: AGRICULTURE 2012-2017



### Market Value of Agricultural Products Sold

Calhoun County Total	Sales (\$1,000)	Rank in State	Number of Counties	Rank in U.S.	Number of U.S. Counties
<b>Crops</b>	<b>59,013</b>	<b>5</b>	<b>46</b>	<b>983</b>	<b>3,073</b>
Grains, oilseeds, dry beans, dry peas	9,112	12	46	1,426	2,916
Tobacco	-	-	13	-	323
Cotton and cottonseed	18,736	2	31	102	647
Vegetables, melons, potatoes, sweet potatoes	(D)	11	46	(D)	2,821
Fruits, tree nuts, berries	(D)	25	45	(D)	2,748
Nursery, greenhouse, floriculture, sod	11,061	6	41	228	2,601
Cultivated Christmas trees, short rotation woody crops	(D)	27	31	635	1,384
Other crops and hay	16,224	2	46	154	3,040
<b>Livestock, poultry and products</b>	<b>21,785</b>	<b>22</b>	<b>46</b>	<b>1,579</b>	<b>3,073</b>
Poultry and eggs	20,229	21	45	427	3,007
Cattle and calves	829	30	46	2,433	3,055
Milk from cows	-	-	26	-	1,892
Hogs and pigs	549	9	44	639	2,856
Sheep, goats, wool, mohair, milk	(D)	28	46	(D)	2,984
Horses, ponies, mules, burros, donkeys	(D)	20	46	(D)	2,970
Aquaculture	-	-	22	-	1,251
Other animals and animal products	(D)	(D)	45	(D)	2,878
<b>Total</b>	<b>80,798</b>	<b>16</b>	<b>46</b>	<b>1,351</b>	<b>3,077</b>

## CALHOUN COUNTY: AGRICULTURE 2012-2017

### Demographics

**726**  
TOTAL  
PRODUCERS

**516**  
MALE

**210**  
FEMALE



Race	Number of Producers
American Indian / Alaska Native	9
Asian	6
Black or African American	14
Native Hawaiian / Pacific Islander	-
White	696
More than one race	1

Age	Number of Producers
<35	21
35-64	421
65+	284

Other Characteristics	Number of Producers
Hispanic, Latino, Spanish origin	10
With military service	71
New and beginning farmers	233

**80%**  
OF FARMS  
HAVE INTERNET  
ACCESS

**4%**  
OF FARMS SELL  
DIRECTLY TO  
CONSUMERS

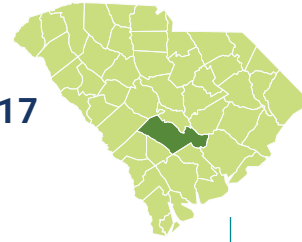
**25%**  
OF FARMS  
HIRE FARM LABOR

**98%**  
OF FARMS  
ARE FAMILY  
FARMS

Livestock Inventory (Dec. 31, 2017)	Number of Livestock
Broilers and other chickens	925,000
Cattle and calves	3,552
Goats	451
Hogs and pigs	4,642
Horses and ponies	612
Layers	1,072
Pullets	(D)
Sheep and lambs	(D)
Turkeys	(D)

Top Crops in Acres	Number of Crops
Cotton, all	28,785
Soybeans or beans	17,001
Corn for grain	12,092
Peanuts for nuts	4,655
Forage (hay), all	3,443

## ORANGEBURG COUNTY: AGRICULTURE 2012-2017



### Total and Per Farm Overview

Orangeburg County Total	2017	% Change since 2012
Number of farms	978	-7
Land in farms (acres)	293,790	+4
Average size of farm (acres)	300	+12
Market value of products sold	213,913,000	-8
Government payments	9,879,000	+182
Farm-related income	7,535,000	+12
Total farm production expenses	164,222,000	-17
Net cash farm income	67,106,000	+50

Orangeburg County Per Farm Average	2017	% Change since 2012
Market value of products sold	218,725	(Z)
Government payments	33,042	+337
Farm-related income	21,591	+52
Total farm production expenses	167,916	-10
Net cash farm income	68,615	+62

**7%**  
OF STATE  
AGRICULTURE SALES

#### SHARE OF SALES BY TYPE

**Crops:** 50%  
**Livestock, poultry & products:** 50%

#### LAND IN FARMS BY USE

**Cropland:** 56%  
**Pastureland:** 5%  
**Woodland:** 32%  
**Other:** 6%

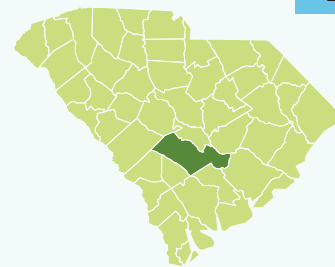
#### LAND USE PRACTICES

**No till:** 13%  
**Reduced till:** 15%  
**Intestive till:** 22%  
**Cover crop:** 6%

Orangeburg County Farms by Value of Sales	Number	Percent of Total
Less than \$2,500	459	47
\$2,500 to \$4,999	95	10
\$5,000 to \$9,999	74	8
\$10,000 to \$24,999	91	9
\$25,000 to \$49,999	42	4
\$50,000 to \$99,999	53	5
\$100,000 or more	164	17

Orangeburg County Farms by Size	Number	Percent of Total
1 to 9 acres	112	11
10 to 49 acres	267	27
50 to 179 acres	286	29
180 to 499 acres	163	17
500 to 999 acres	72	7
1,000+ acres	78	8

## ORANGEBURG COUNTY: AGRICULTURE 2012-2017



### Market Value of Agricultural Products Sold

Orangeburg County Total	Sales (\$1,000)	Rank in State	Number of Counties	Rank in U.S.	Number of U.S. Counties
<b>Crops</b>	<b>107,201</b>	<b>1</b>	<b>46</b>	<b>504</b>	<b>3,073</b>
Grains, oilseeds, dry beans, dry peas	31,082	2	46	967	2,916
Tobacco	-	-	13	-	323
Cotton and cottonseed	22,168	1	31	81	647
Vegetables, melons, potatoes, sweet potatoes	(D)	13	46	466	2,821
Fruits, tree nuts, berries	(D)	14	45	(D)	2,748
Nursery, greenhouse, floriculture, sod	28,276	2	41	106	2,601
Cultivated Christmas trees, short rotation woody crops	(D)	25	31	(D)	1,384
Other crops and hay	22,345	1	46	106	3,040
<b>Livestock, poultry and products</b>	<b>106,711</b>	<b>8</b>	<b>46</b>	<b>471</b>	<b>3,073</b>
Poultry and eggs	92,433	9	45	164	3,007
Cattle and calves	2,493	15	46	2,061	3,055
Milk from cows	9,766	2	26	458	1,892
Hogs and pigs	699	8	44	621	2,856
Sheep, goats, wool, mohair, milk	219	3	46	729	2,984
Horses, ponies, mules, burros, donkeys	1,070	2	46	171	2,970
Aquaculture	(D)	13	22	(D)	1,251
Other animals and animal products	(D)	(D)	45	(D)	2,878
<b>Total</b>	<b>213,913</b>	<b>2</b>	<b>46</b>	<b>474</b>	<b>3,077</b>

## ORANGEBURG COUNTY: AGRICULTURE 2012-2017

### Demographics



**1,441**  
TOTAL  
PRODUCERS

**1,015**  
MALE

**426**  
FEMALE

Race	Number of Producers
American Indian / Alaska Native	3
Asian	11
Black or African American	243
Native Hawaiian / Pacific Islander	-
White	1,155
More than one race	29

Age	Number of Producers
<35	65
35-64	721
65+	655

Other Characteristics	Number of Producers
Hispanic, Latino, Spanish origin	23
With military service	213
New and beginning farmers	307

**70%**  
OF FARMS  
HAVE INTERNET  
ACCESS

**4%**  
OF FARMS SELL  
DIRECTLY TO  
CONSUMERS

**25%**  
OF FARMS  
HIRE FARM LABOR

**95%**  
OF FARMS  
ARE FAMILY  
FARMS

Livestock Inventory (Dec. 31, 2017)	Number of Livestock
Broilers and other chickens	4,129,552
Cattle and calves	12,670
Goats	2,651
Hogs and pigs	3,487
Horses and ponies	1,230
Layers	213,305
Pullets	670
Sheep and lambs	381
Turkeys	(D)

Top Crops in Acres	Number of Crops
Cotton, all	37,577
Soybeans or beans	33,582
Corn for grain	24,109
Peanuts for nuts	21,810
Forage (hay), all	8,557



# Tri-County Roadside Markets & Pantries

## Bamberg County

### S & S Produce

Intersection Of Calhoun St. and Hwy. 78,  
Bamberg, SC 29003

### B & J Produce

13739 Heritage Hwy., Bamberg, SC 29003

## Calhoun County

### Calhoun County Council On Aging

#### Farmer's Market

200 Milligan Cir., St. Matthews, SC 29135

## Orangeburg County

### Shepherd Ministry Food Pantry

1178 Five Chop Rd., Orangeburg, SC 29115

### Whittle Farm Market

9261 Neeses Hwy., Springfield, SC 29146

### Willie's Nursery & Produce

5724 Bamberg Rd., Cope, SC 29038

### Orangeburg Farmers Market

550 Bleakley St., Orangeburg, SC 29115

### Till Fresh Produce

1075 Langley Rd., Orangeburg, SC 29115

### Right Choice Fresh Start Farmer's Market

3300 Magnolia St., Orangeburg, SC 29115

### First Baptist Church Soup Kitchen

1240 Russell St., Orangeburg, SC 29115

### Amaria Baptist Church Food Pantry

706 Samaria Rd., Springfield, SC 29146

### Lee's Farm Fresh

6406 Savannah Hwy., Neeses, SC 29107

### Dora Farmer's Market

152 Market St., Orangeburg, SC 29115



# Tri-County Grocery Stores

## BAMBERG COUNTY

### **B&B Meat & Fish Market**

3142 Main Hwy., Bamberg, SC 29003

### **Piggly Wiggly**

3386 Railroad Ave., Bamberg, SC 29003

### **Family Kitchen Grocery**

3142 Main Hwy., Bamberg, SC 29003

### **Rock's Country Store**

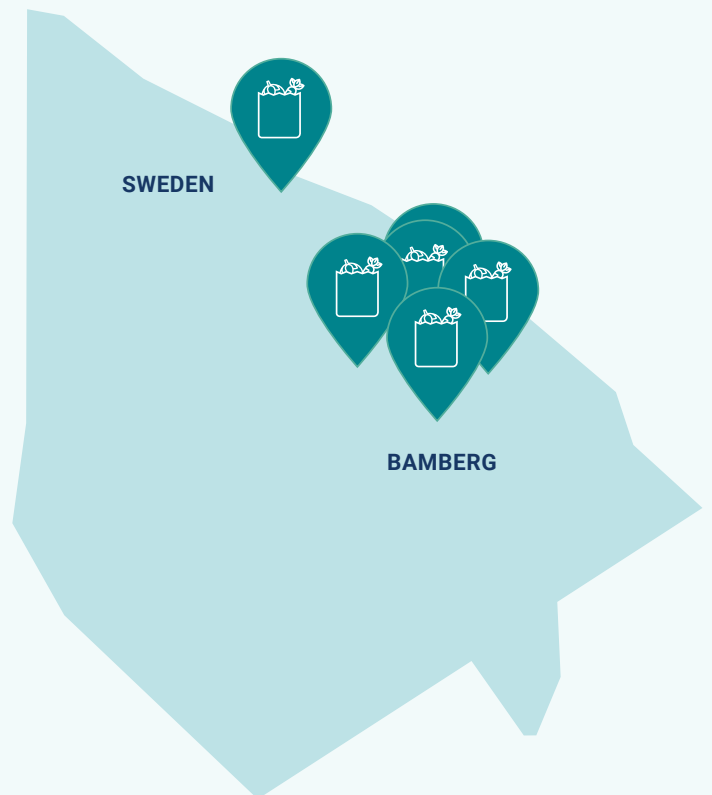
906 Country Club Rd., Denmark, SC 29042

### **Short Stop Food Mart**

12545 Heritage Hwy., Bamberg, SC 29003

### **Three-Way Food Mart**

2859 Main Hwy., Bamberg, SC 29003



## CALHOUN COUNTY

### **Calhoun Country Market**

1304 Bridge St., St Matthews, SC 29135

### **Piggly Wiggly - Jones Market**

615 Harry C Raysor Dr., St Matthews,  
SC 29135

### **Zeigler Farms Plant and Produce, LLC**

105 Trotter St., St Matthews, SC 29135



# Tri-County Grocery Stores

## ORANGEBURG COUNTY

### DORA Farmers Market Pavilion

1326 Russell St., Orangeburg, SC 29115

### Elloree Country Store

2930 Cleveland St., Elloree, SC 29047

### F I Metts Grocery

785 Bleakley St. SE, Orangeburg, SC 29115

### Food Lion

1370 Chestnut St. NE, Orangeburg, SC 29115

### Garrick's Grocery

4121 Norway Rd. Norway, SC 29113

### Greene's Grocery

1681 Goff Ave., Orangeburg, SC 29115

### Hutto Grocery

1310 Cannon Bridge Rd., Cordova, SC 29039

### Lidl

2510 North Rd., Orangeburg, SC 29118

### Los Tres Potrillos - Mexican Grocery Store

1500 Wingate St. NE, Orangeburg, SC 29118

### Mallard's Grocery

215 Jack Branch Rd., Santee, SC 29142

### Norway Foods

8429 Savannah Hwy. Norway, SC 29113

### Ocain's Grocery

4411 Rowesville Rd., Rowesville, SC 29133

### Piggly Wiggly

2060 Columbia Rd., Orangeburg, SC 29118

### Santee IGA

9092 Old Number Six Hwy., Santee, SC 29142

### Summers Country Store

3997 North Rd., Orangeburg, SC 29118

### Walmart Super Center

2795 North Rd., Orangeburg, SC 29118

### Walmart Neighborhood Market

9092 Old Number Six Hwy., Santee, SC 29142

### Westbury Open Market

1553 Ridgewood Dr., Orangeburg, SC 29118

### IGA – Holly Hill

621 Gardner Blvd., Holly Hill, SC 29059

### Dollar General Market

8318 Old State Rd., Holly Hill, SC 29059



3

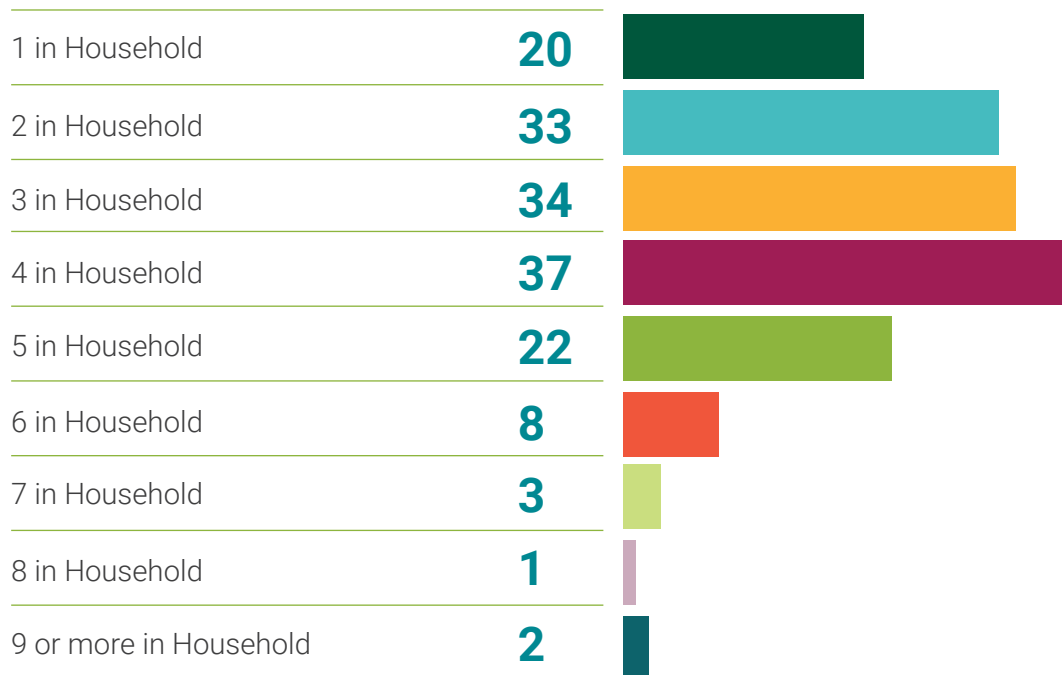
# Tri-County Community Survey

The following survey was conducted at events sponsored by the TCHN, community collaborators, individual interviews, and community listening sessions. These survey results are the most comprehensive of the six previous surveys. Additional information gathered not documented in the survey charts are: age, data separated by county, and ways to improve eating habits.



## 1 AVERAGE HOUSEHOLD SIZE

The average household size in the Tri-County area is 5 members.

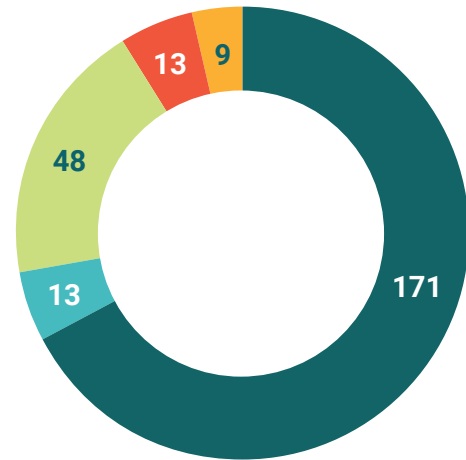


## SOURCES FOR FRESH FRUIT AND VEGETABLES

Grocery stores are the main source for healthy food. Farmers markets are a distant second. Farmers markets are seasonal and not always convenient in rural areas. Through the Senior Farmers' Market Nutrition Program, individuals sixty years and older, receive vouchers. SFMNP benefits local farmers and growers selling at farmer markets if they are able to accept SNAP. Most areas in the Tri-County are in food deserts. The City of Orangeburg is the largest municipality, however most of the city does not have close access to a grocery store.

[SC DSS: Senior Farmers' Market](#)

[SC Certified Roadside Markets](#)



Grocery Store	171	<span style="color: #1a522d;">●</span>
Convenience Store	13	<span style="color: #00a0c0;">●</span>
Farmers Market	48	<span style="color: #90c040;">●</span>
Roadside Sellers	13	<span style="color: #e04040;">●</span>
Other	9	<span style="color: #f0a040;">●</span>

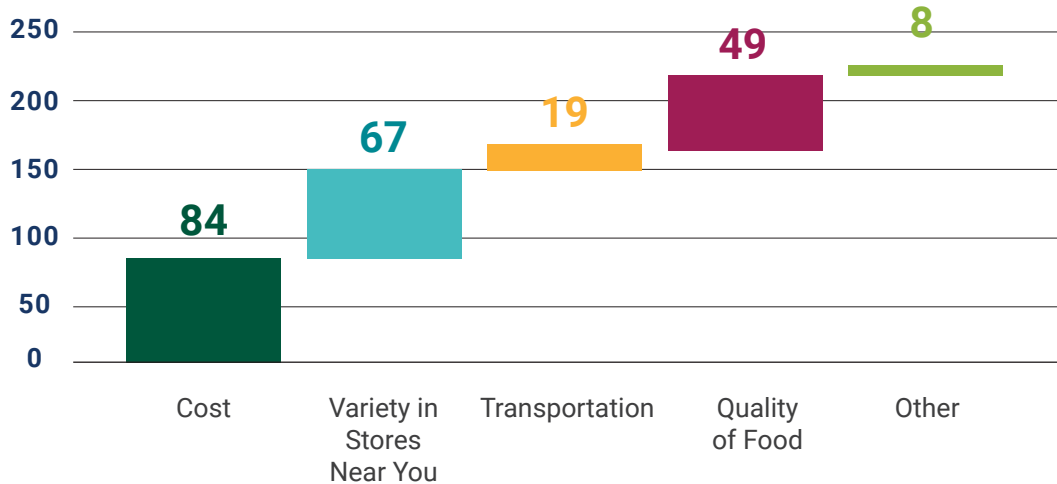
## DISTANCE FROM HOME TO REACH A STORE WITH FRESH FRUIT AND VEGETABLES

In the Tri-County area, 49 people said it takes them 2-5 minutes to drive to the nearest store with fresh fruit and vegetables. 58 people responded that it would take 6-10 minutes. 28 individuals said it would take 11-15 minutes. 30 people answered with 16-25 minutes and 24 people replied that it would take 30 minutes or more. On average it may take 7 minutes to drive 3.2 miles.



## CHALLENGES TO ACCESSING HEALTHY FOOD

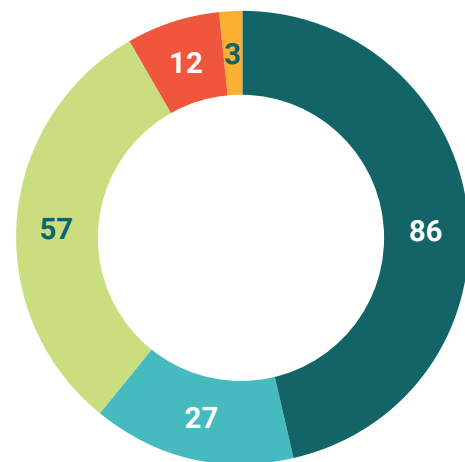
Cost represents approximately 36% of the challenges to purchasing healthy food. In action group sessions variety (28%) is different at different locations. Feedback at Food Gatherings and group meetings, suggested that produce quality (21%) purchased from local farmers was fresher than grocery stores.



## FREQUENCY OF EATING MEALS PREPARED WITH FRESH FRUIT AND VEGETABLES

Survey responses indicate that individuals over 55 typically eat produce daily. Younger participants 20 and below consume fruit and vegetables fewer times per week. Listening sessions revealed that time and knowing how to prepare fresh produce are barriers for younger consumers choosing not to eat fresh vegetables. Another barrier to maximizing the health benefits of fresh produce is preparation; adding sodium, sugar and certain types of meat.

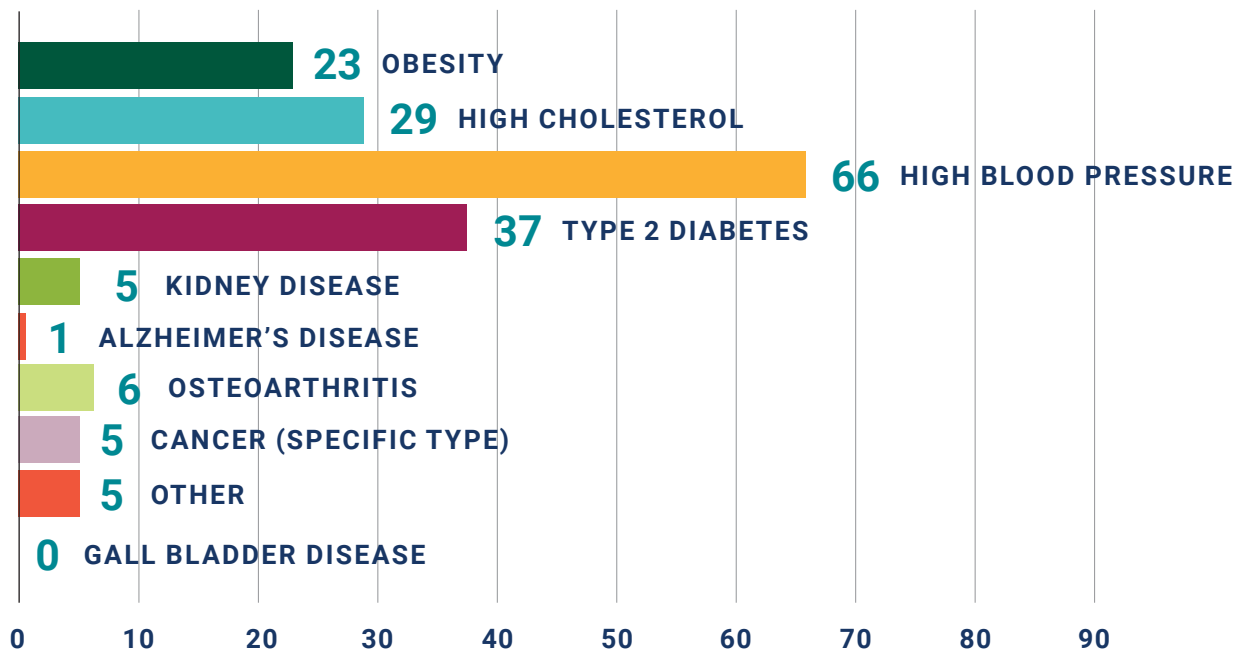
**Note:** Some parents answered for their children under 20 years of age. This was a low number, but was included in the responses.



Grocery Store	86	<span style="color: #1a522d;">●</span>
Convenience Store	27	<span style="color: #00a0a0;">●</span>
Farmers Market	57	<span style="color: #90c040;">●</span>
Roadside Sellers	12	<span style="color: #e04040;">●</span>
Other	3	<span style="color: #f0a040;">●</span>

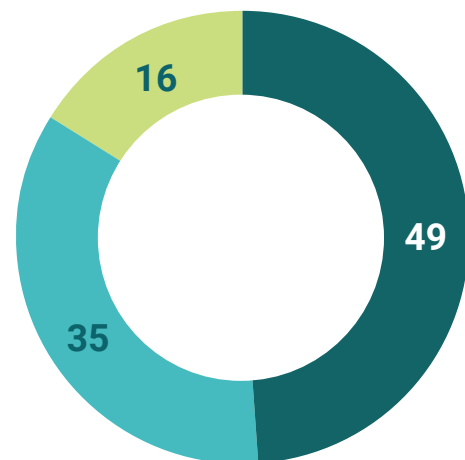
## DIAGNOSED ILLNESSES

According to the TCHN Community Health improvement Plan (CHIP) the three chronic diseases in the Tri-County are hypertension, diabetes and obesity. The survey results. During discussions in listening sessions this questions ask if there has been a diagnosis of obesity. Although some participants have not been diagnosed with obesity, they agreed that they are overweight.



## NUTRITION & HEALTH SERVICES

The survey results were not separated by age and income. The results are based on the number of individuals who completed the survey. On the chart U represents participants answered neither and those who didn't answer the question. 35% receive SNAP (Supplemental Nutrition Assistance Program) benefits and 16% percent participate in the Program for Women, Infants, and Children (WIC).



## 4

## Observations

The following observations are based on survey responses, comments at action group meetings, and interviews.



- Orangeburg County is the largest agricultural producer in the state of South Carolina. Calhoun County ranks number 16, and Bamberg number 25.
- Food insecurity scores: Bamberg – 31, Orangeburg – 26, Calhoun County – 39.
- Calhoun County has one major grocery store chain located in St. Matthews. The other stores are smaller and spread throughout the county. So, there are pockets of food deserts in Calhoun County.
- Food distributions: Family Health Center (Harvest Hope) distributes approximately 200 food boxes per month at seven locations. FHC also participates in food FoodShare Veggie Rx. TCHN distributions averages about 250 produce boxes at community events. Churches across the three counties engage in food distributions.
- There are drive-thru distributions throughout the tri-county. However, home bound and/or people without transportation are not served. For example, Denmark's produce distribution built in a delivery service for home bound individuals. The list grew from nineteen to sixty. A local church in Bamberg County started a mobile market for outlying areas.
- Action groups addressed concern about cost variants within the same food chain. Prices are higher in smaller towns. Residents with transportation travel to larger towns to shop. Lack of transportation force other residents to pay higher prices.
- Younger residents and young adult SNAP recipients need budgeting, shopping, and healthy food preparation workshops.
- Colleges and university food pantries need cold storage for fruit and prepackaged produce. Students, faculty, and staff have the same battle with diabetes, obesity, and hypertension.
- Local governments and officials need training on their roles and contribution to the FPC.
- Most of the grocery stores in Orangeburg are clustered on the western side of town. The Neighborhood Market and one other grocery store are on Hwy 301 South. Therefore, the majority of the city limits are food deserts. All income levels, homeowners and renters are impacted by the lack of grocery stores within the city.
- The trend is to put grocery stores in clusters rather than have smaller community stores with quality healthy food.



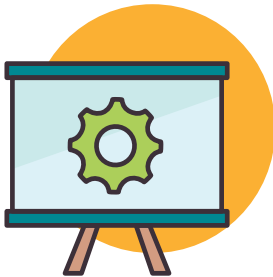
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## Next Steps

Grassroots efforts by community members made this food assessment a reality. The FPC can use this assessment to act by:



**1** Establishing food access goals



**2** Identifying training needs and policy priorities



**3** Identifying organizations and agencies to build working relationships

