

Lawrence and Scioto Counties Economic Development Scan

**Prepared by Center for Economic Development and Community Resilience,
The Voinovich School of Leadership and Public Service, Ohio University**

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Population Growth Trends

As shown in Figures 1 and 2, the populations of Lawrence and Scioto Counties have decreased from 2010 to 2019. Lawrence County shrank from 62,647 in 2010 to 60,184 in 2019. Scioto County shrank from 78,988 in 2010 to 76,040 in 2019. Figure 3 shows the total percent change in population in Lawrence County, Scioto County, Ohio, and the United States since 2010. From 2010 to 2019, Lawrence County experienced a decrease of -3.93%. Similarly, Scioto experienced a decrease of -3.73%. However, Ohio and the United States experienced an increase of 1.24% and 6.82%, respectively, over the same period. Figure 4 breaks down the total percent change into annual percent change during the 2011-2019 time period. This shows that while Lawrence and Scioto Counties experienced negative growth almost every year, Ohio and the United States experienced positive growth each year.

Figure 1: Lawrence County Population Growth, 2010-2019

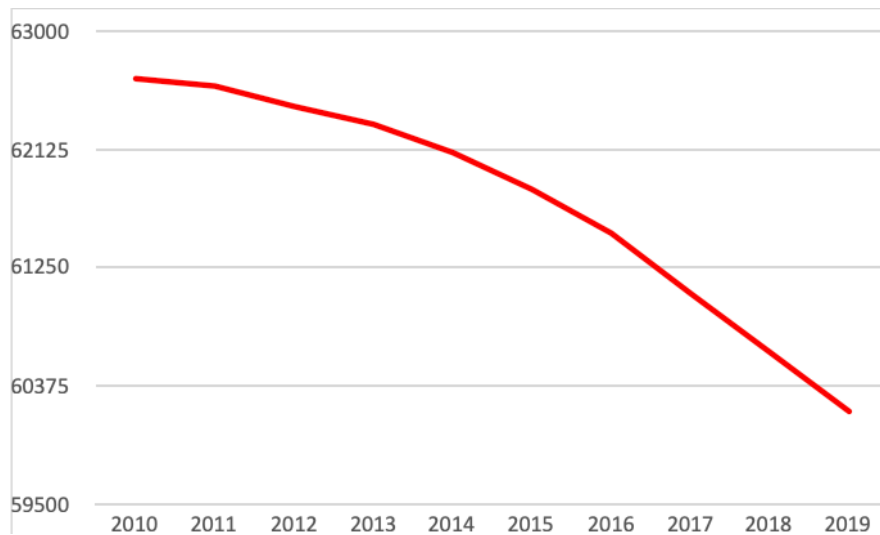


Figure 2: Scioto County Population Growth, 2010-2019

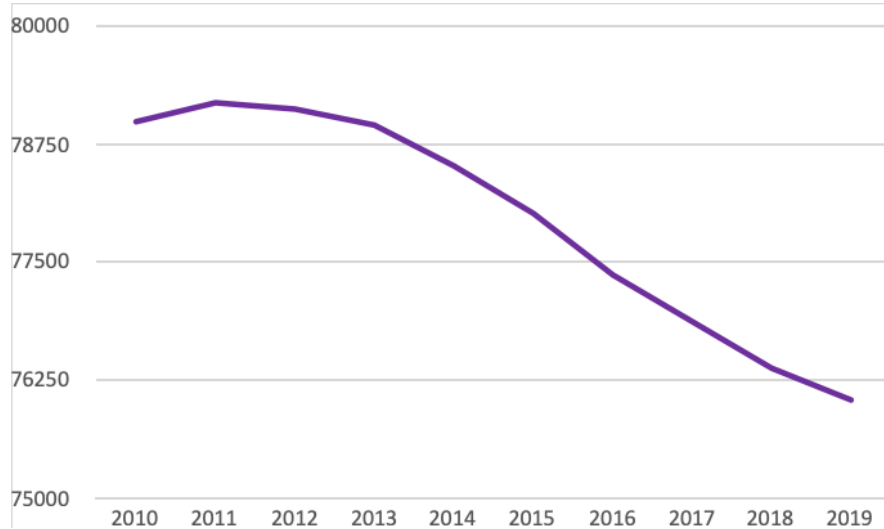


Figure 3: Total Percent Population Change, 2010-2019

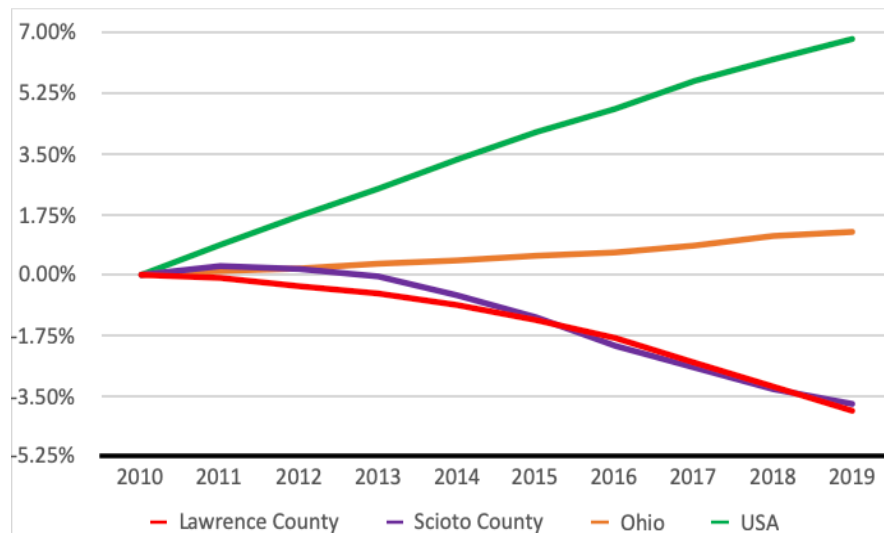
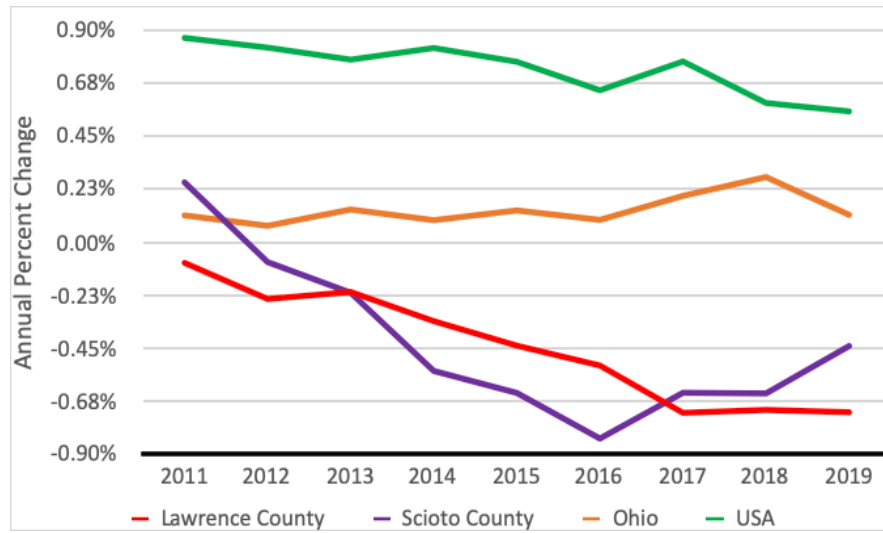


Figure 4: Annual Population Growth, 2011-2019



Migration

Figures 5 and 6 show the trends in net domestic migration in Lawrence County, Scioto County, and Ohio from 2000 to 2014. Lawrence County, Scioto County, and Ohio all had a negative net migration in 2014. Lawrence County experienced a decrease of 43.66% in net migration from 2000 to 2014. However, Scioto County and Ohio experienced increases of 24.60% and 53.60% in net migration, respectively, over the same time period.

Figure 5: Net Domestic Migration: Lawrence and Scioto Counties, 2000-2014

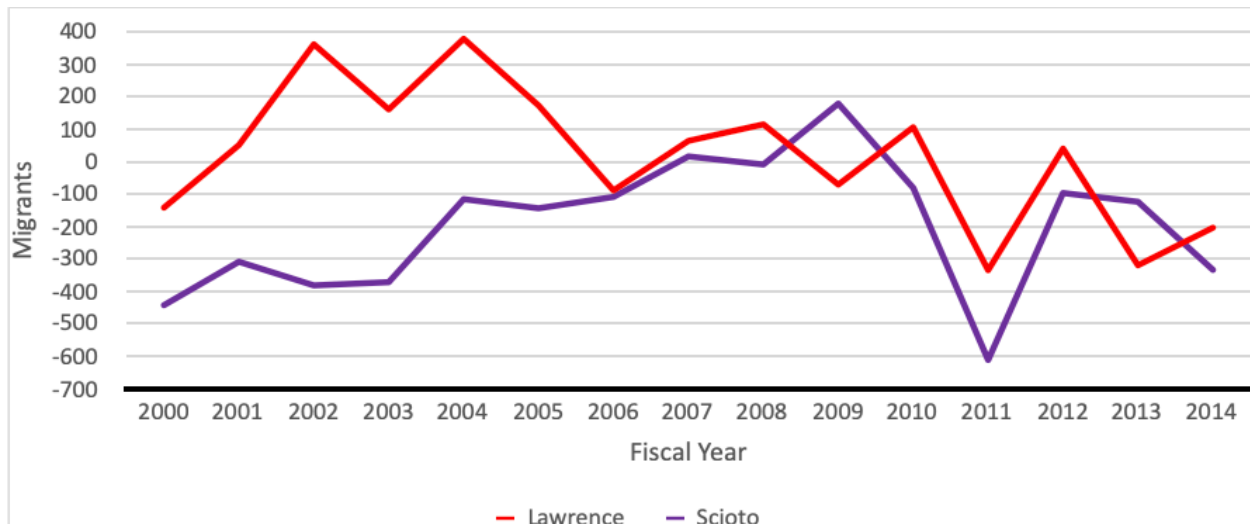
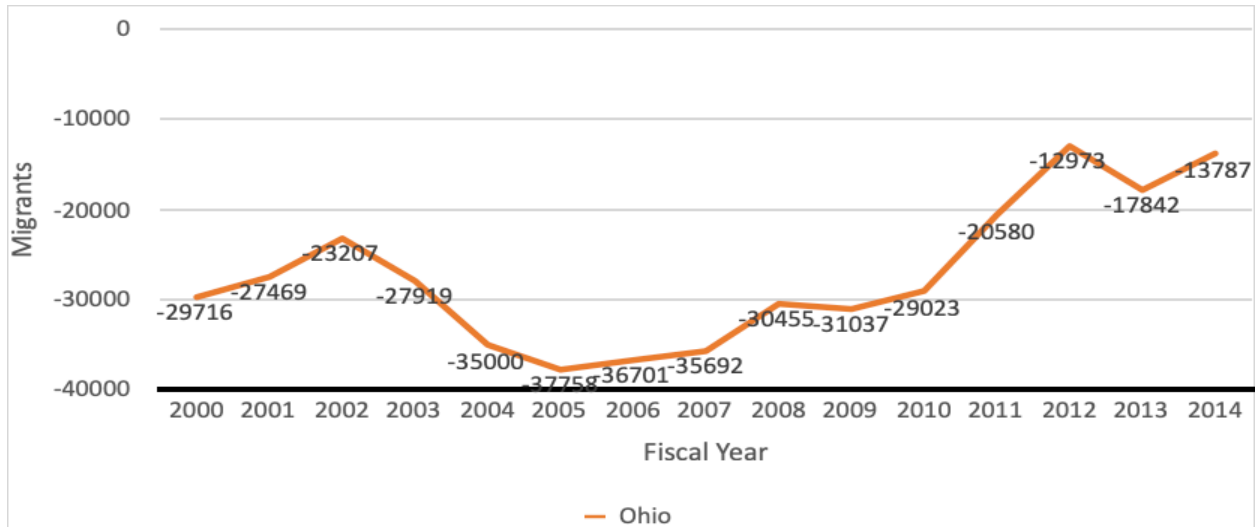


Figure: 6 Net Domestic Migration: Ohio, 2000-2014



Age Distribution

Figure 7 shows the median age in Lawrence County, Scioto County, Ohio, and the United States from 2010 to 2019. The median age in Lawrence County has been consistently higher than in Ohio and the United States. However, although the median age in Scioto County has been consistently higher than the United States, it has fluctuated around the Ohio median age.

Table 1 shows the age distribution in Lawrence County, Scioto County, and Ohio in 2010 and 2019. Lawrence County and Scioto County have a larger proportion of their population aged 65 or older than in Ohio. Specifically, 18.4% of the population of Lawrence County and 17.8% of the population of Scioto County was 65 or older in 2019, compared to 16.7% of Ohio. However, Lawrence and Scioto have a smaller proportion of their population aged under 15 than in Ohio. Specifically, 18.1% of Lawrence County and 17.9% of Scioto County were aged under 15 in 2019, compared to 18.4% of Ohio. Likewise, 12.0% of Lawrence County and 13.0% of Scioto County were aged 25-34 in 2019, compared to 13.1% of Ohio. Additionally, from 2010-2019, Lawrence County and Scioto County experienced an increase in population only in ages 55 and over, while Ohio experienced an increase in ages 25-34 in addition to ages 55 and over. Moreover, the median ages of Lawrence and Scioto Counties were 41.8 and 39.9, respectively, compared to 39.4 in Ohio. Finally, the total working age population (people aged 15-64) of Lawrence County in 2010 was 40,994 and fell to 38,220 in 2019. Likewise, the total working age population in Scioto County in 2010 was 52,090 and fell to 48,907 in 2019. From 2010 to 2019, Lawrence County's working age population decreased -6.77%, and Scioto County's working age population decreased -6.11%. During the same period, Ohio only experienced a 1.24% decrease in the working age population. This suggests that not only do Lawrence and Scioto Counties have aging populations, but that they are both losing a key demographic in their workforce as young people move out of the counties.

This is visualized in Figures 8 and 9 which shows the distributions of population in Lawrence and Scioto Counties by age and sex. These population pyramids with wide bases and narrow top sections indicate that both counties have a population with high fertility and death rates. The slight narrowing middle of the pyramid indicates that the adult labor force may be leaving the counties for more attractive job markets and returning after retirement age.

Figure 7: Median Age, 2010-2019

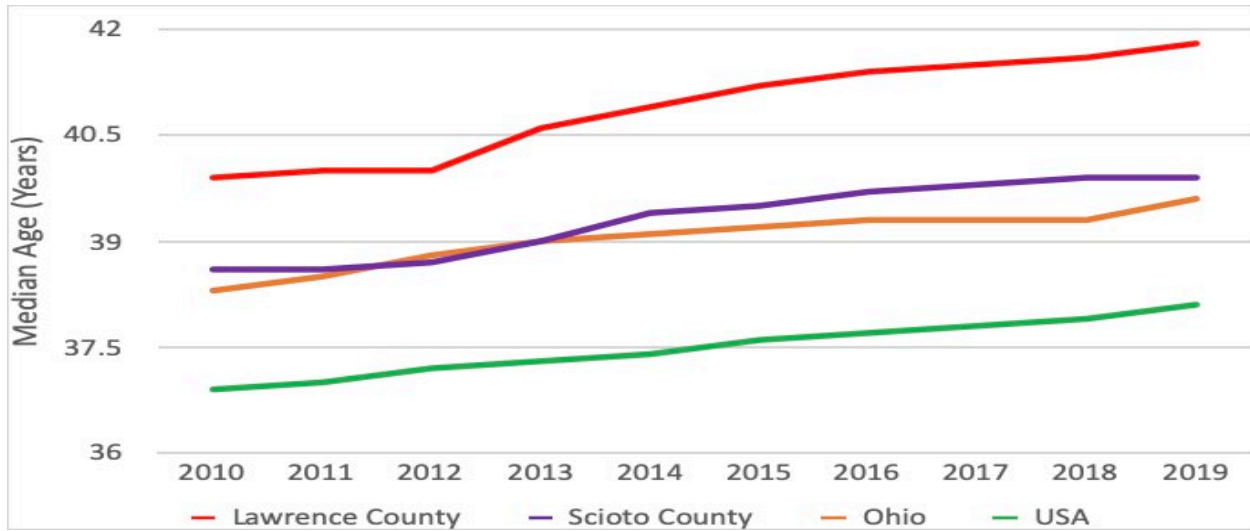


Table 1: Age Distribution: Lawrence County, Scioto County, and Ohio, 2010 and 2019					
2010			2019		Percent
Age Range	Number	Percent	Number	Percent	Change
Lawrence County					
Under 15	12,214	19.5	10,888	18.1	-10.86
15-24	7,561	12.1	6,892	11.5	-8.85
25-34	7,533	12.0	7,212	12.0	-4.26
35-44	8,667	13.8	7,323	12.2	-15.51
45-54	9,242	14.8	8,246	13.7	-10.78
55-64	7,991	12.8	8,547	14.2	6.96
65 and over	9,439	15.0	11,076	18.4	17.34
Total Population	62,647		60,184		-3.93
Median Age	39.9		41.8		

Scioto County					
Under 15	14,804	18.8	13,607	17.9	-8.09
15-24	10,892	13.8	9,596	12.6	-11.90
25-34	10,117	12.8	9,900	13.0	-2.14
35-44	10,338	13.1	9,232	12.1	-10.70
45-54	11,188	14.2	9,732	12.8	-13.01
55-64	9,555	12.1	10,447	13.7	9.34
65 and over	12,094	15.4	13,526	17.8	11.84
Total Population	78,988		76,040		-3.73
Median Age	38.6		39.9		
Ohio					
Under 15	2,265,348	19.7	2,147,099	18.4	-5.22
15-24	1,591,089	13.8	1,532,521	13.1	-3.68
25-34	1,414,705	12.4	1,521,875	13.1	7.58
35-44	1,546,960	13.4	1,391,747	11.9	-10.03
45-54	1,745,227	15.2	1,514,333	13.0	-13.23
55-64	1,364,403	11.9	1,606,528	13.8	17.75
65 and over	1,584,699	13.8	1,941,294	16.7	22.50
Total Population	11,512,431		11,655,397		1.24
Median Age	38.3		39.4		
Source: U.S. Census Bureau, American Community Survey, Demographic and Housing Estimates, 2010-2019					

Figure 8: Lawrence County Population Pyramid, 2019

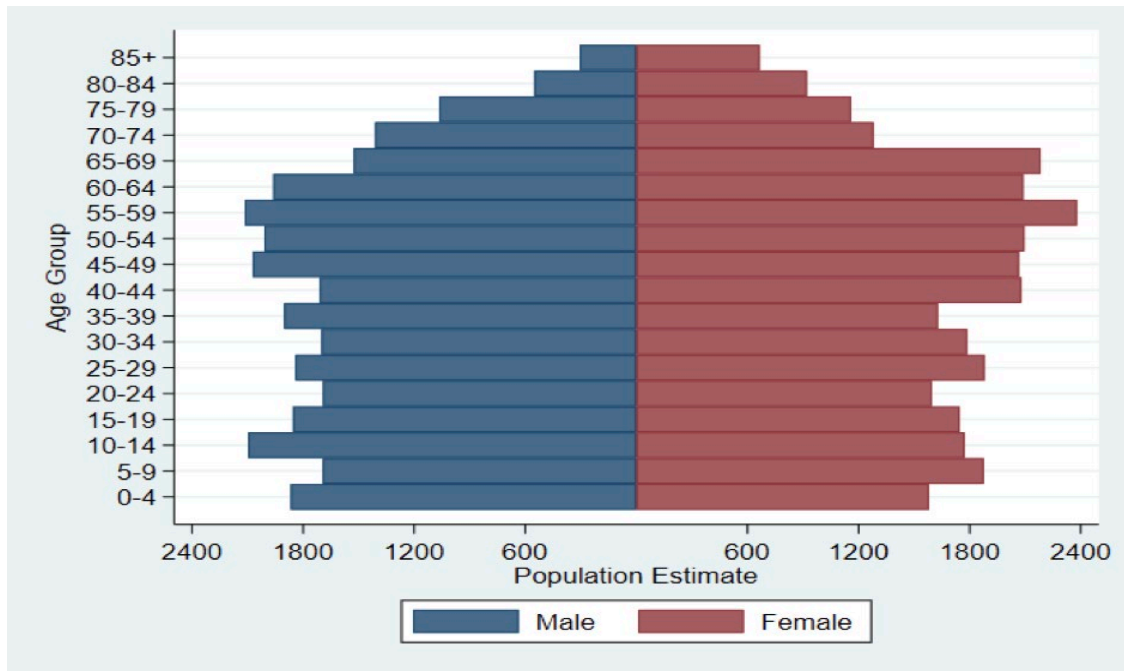
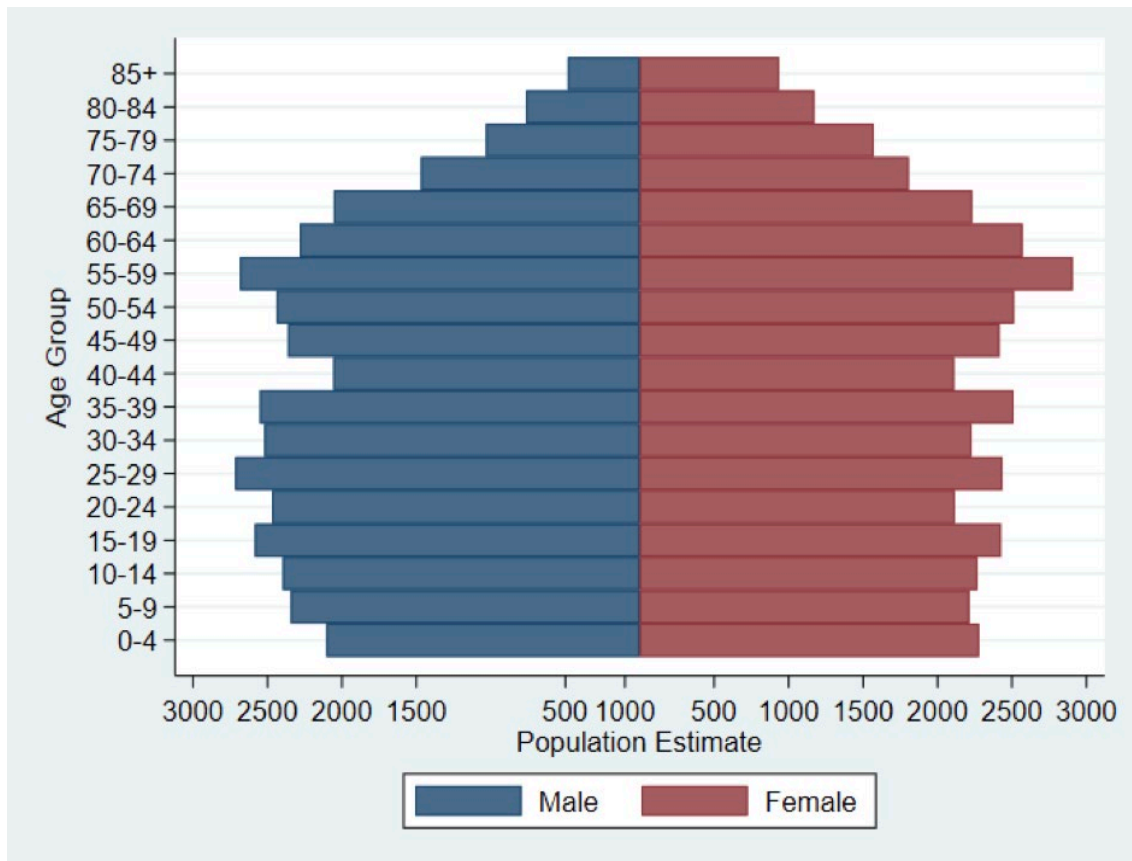


Figure 9: Scioto County Population Pyramid, 2019



Educational Attainment

Table 2 shows estimations of the educational attainment of residents in Lawrence County, Scioto County, and Ohio in 2010 and 2019. In 2019, roughly 43% of the populations of Lawrence and Scioto Counties reported having some amount of college education, compared to roughly 57% of Ohio and 61% of the United States. This shows that Lawrence and Scioto Counties trail in comparison to the state and nationwide estimates. Additionally, 12.7% of the population of Lawrence County and 15.4% of Scioto County do not have a high school diploma, while only 9.6% of the population of Ohio did not have a high school diploma. From 2010 to 2019, the proportion of the population in Lawrence County that reported having at least some college education increased from roughly 39% to 43%. Likewise, the proportion of population of Scioto County having at least some college education increased from roughly 41% to 43%. Furthermore, the proportion of the population of Lawrence County that did not have a high school diploma decreased from 17.9% to 12.7%. The proportion of population of Scioto County decreased from 19.6% to 15.4%. This shows that both the rate of residents attaining at least some higher education and of residents graduating from high school has increased in both counties.

Table 2: Educational Attainment: Lawrence and Scioto Counties, and Ohio, 2010 and 2019					
	2010		2019		Percent
Age Range	Number	Percent	Number	Percent	Change
Lawrence County					
Some high school or less	8,553	17.9	5,944	12.7	-30.50
High school diploma	20,502	42.9	20,689	44.1	0.91
Some college, no degree	10,046	21.0	9716	20.7	-3.28
Associate's degree	2,915	6.1	4135	8.8	41.85
Bachelor's degree	3,607	7.6	4285	9.1	18.80
Graduate or professional degree	2,101	4.4	2193	4.7	4.38
Population 25 years and over	47,767		46,962		-1.69

Scioto County					
Some high school or less	11,932	19.6	9,150	15.4	-23.32
High school diploma	23,945	39.3	24,431	41.1	2.03
Some college, no degree	14,244	23.4	13,293	22.4	-6.68
Associate's degree	3,837	6.3	4,028	6.8	4.98
Bachelor's degree	4,263	7.0	4,891	8.2	14.73
Graduate or professional degree	2,665	4.4	3,657	6.2	37.22
Population 25 years and over	60,885		59,450		-2.36
Ohio					
Some high school or less	964,655	12.6	767,378	9.6	-20.45
High school diploma	2,740,846	35.8	2,634,997	33.	-3.86
Some college, no degree	1,538,855	20.1	1,626,965	20.4	5.73
Associate's degree	558,888	7.3	691,111	8.7	23.66
Bachelor's degree	1,171,367	15.3	1,401,609	17.6	19.66
Graduate or professional degree	673,727	8.8	853,717	10.7	26.72
Population 25 years and over	7,655,994		7,975,777		4.18
Source: U.S. Census Bureau, American Community Survey, Educational Attainment, 2010-2019					

School Enrollment Trends

Figure 10 visualizes the number of students enrolled in the seven school districts in Lawrence County from 2011 to 2017. As shown by the figure, Ironton City SD, Chesapeake Union SD, and South Point Local SD remained relatively stable in enrollment, comparing 2011 to 2017. However, Dawson-Bryant Local SD, Rock Hill Local SD, and Symmes Valley SD experienced loss in enrollment from 2011 to 2017. On the other hand, Fairland Local SD experienced growth in enrollment from 2011 to 2017.

Likewise, Figure 11 visualizes the number of students enrolled in the ten school districts in Scioto County from 2011 to 2017. New Boston Local SD, Green Local SD, and Wheelersburg Local SD remained relatively stable in enrollment, comparing 2011 to 2017. However, Portsmouth City SD, Bloom-Vernon SD, Clay Local SD, Northwest Local SD, and Valley Local SD all experienced loss in enrollment from 2011 to 2017. On the other hand, Minford Local SD and Washington-Nile Local SD experienced growth in enrollment from 2011 to 2017.

Figure 12 visualizes the overall change in enrollment for Lawrence and Scioto Counties from 2011 to 2017. During this period, enrollment in Lawrence County schools fell from 11,339 students to 9,147, an overall loss of 19.33%. Likewise, enrollment in Scioto County schools fell from 12,016 students to 11,112, an overall loss of 7.52% in enrollment. Figure 12 serves to show how Lawrence and Scioto Counties compare to the state-level trend. This figure shows the change in enrollment in all school districts in Ohio from 1990 to 2017. This shows that enrollment has been consistently decreasing in Ohio since 2005. In 2011, 1,774,538 students were enrolled in Ohio. This fell to 1,724,858 students in 2017, an overall decrease of 2.80% in enrollment. This demonstrates that although the state is decreasing in enrollment overall, Lawrence and Scioto Counties have been more heavily affected.

Figure 10: Lawrence County School Enrollment, each district, 2011-2017

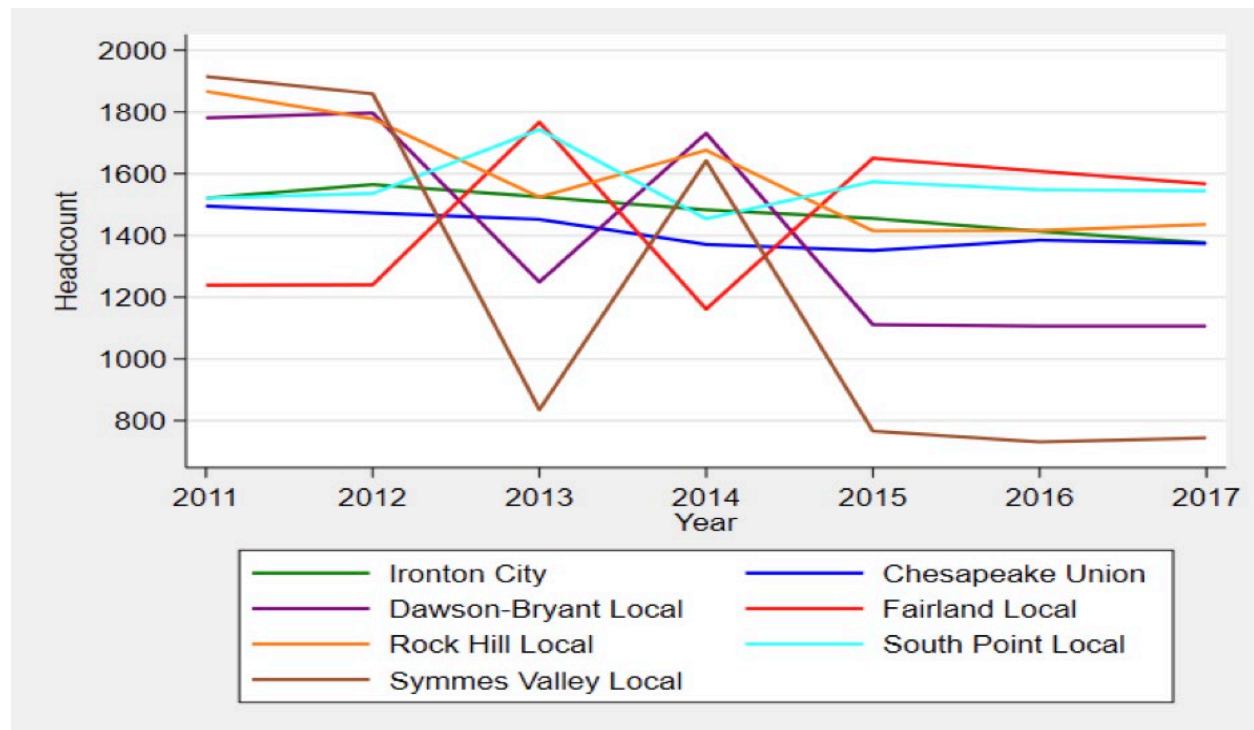


Figure 11: Scioto County School Enrollment, each district, 2011-2017

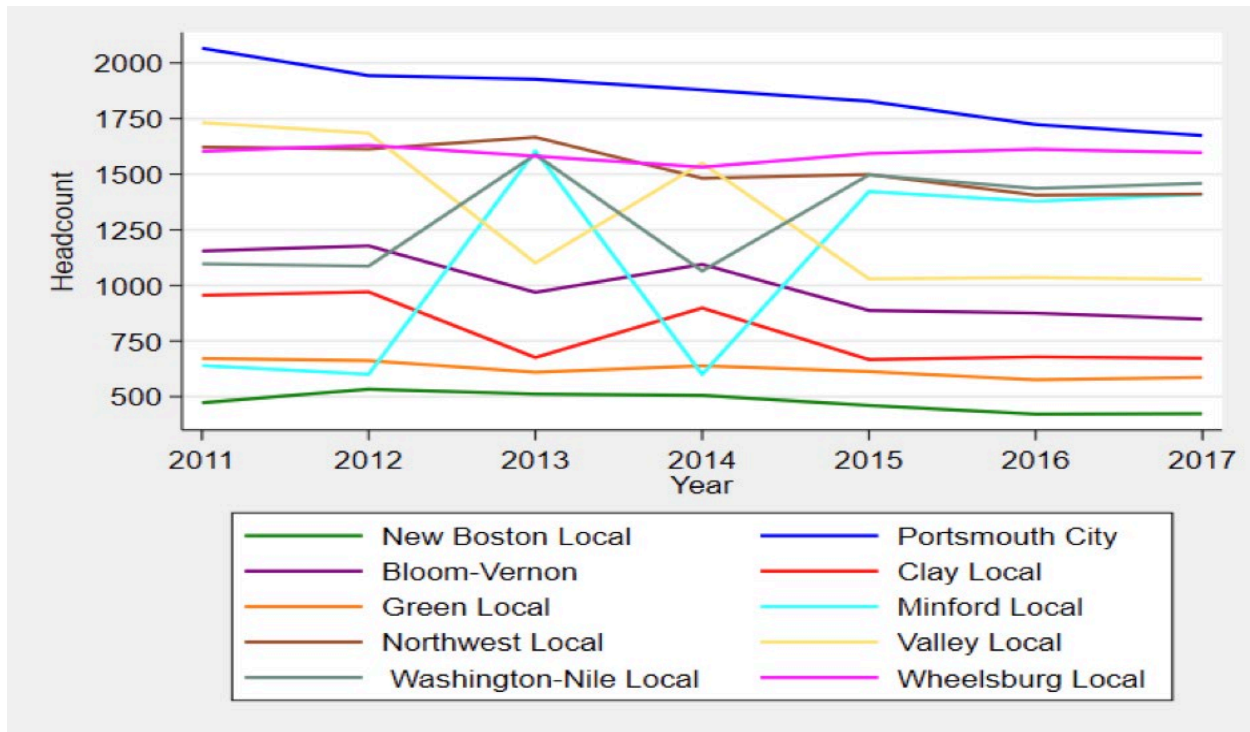
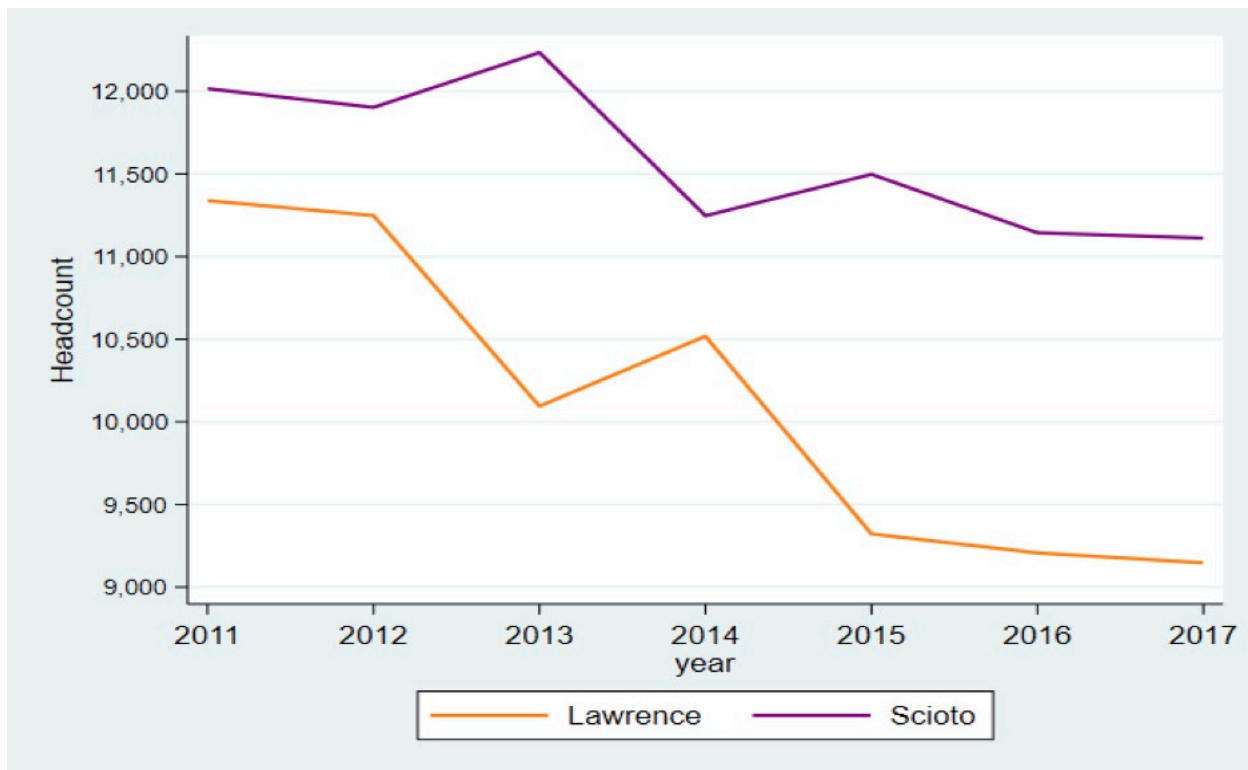


Figure 12: School Enrollment, Lawrence and Scioto Counties, 2011-2017



Quality of Schools

The Ohio Department of Education grades each school district in the state according to how well they meet certain criteria such as Achievement, Progress, Graduation Rate, Gap Closing, Improving At-risk K-3 Readers, and if students are Prepared for Success. Figures 13 and 14 depict the Overall Quality of each school in Lawrence and Scioto Counties, respectively. In Lawrence County, about 28.5% of schools were rated “A” or “B”, 43% rated “C”, and the remaining 28.5% rated “D”. In Scioto County, about 23% of schools were rated “B”, 30% rated “C” and 43% rated “D” or “F”. Scioto County does not have any “A” rated schools. Comparatively in Ohio, about 38% of schools were rated “A” or “B”, 32% rated “C”, and 30% rated “D” or “F”. This demonstrates that the quality of schools in the region is lacking county wide, although there are some standout schools in each county.

Figure 13: Quality of Schools in Lawrence County

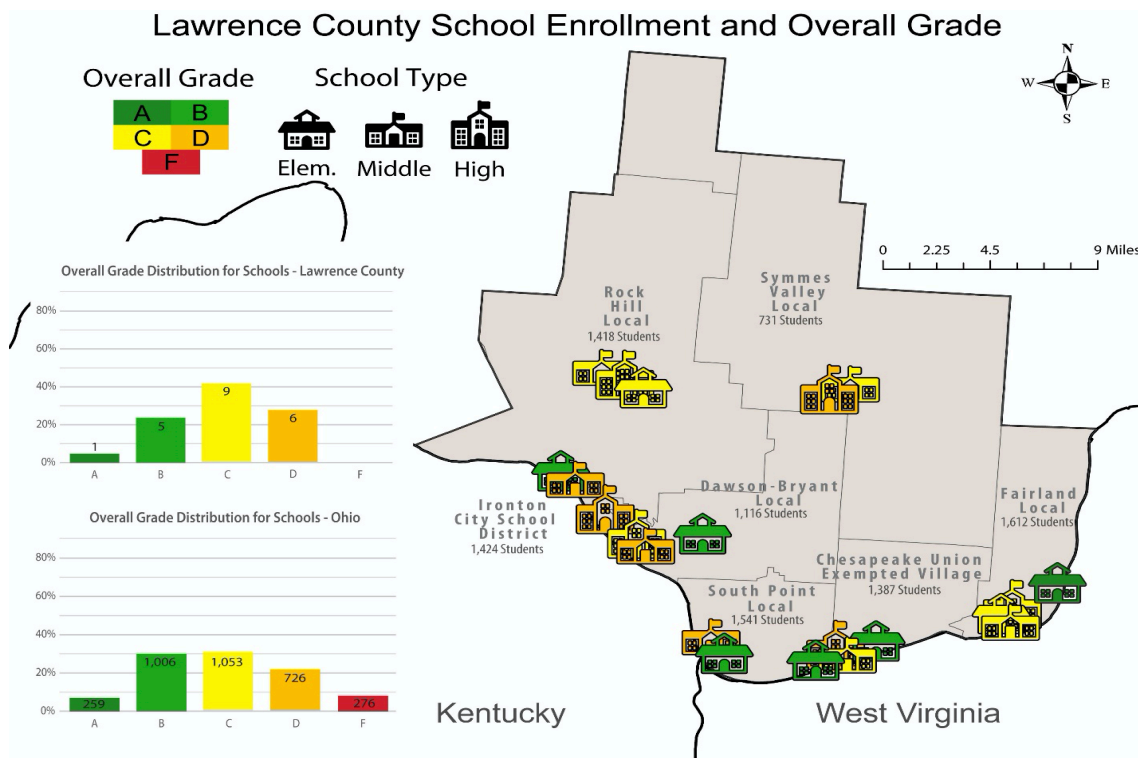
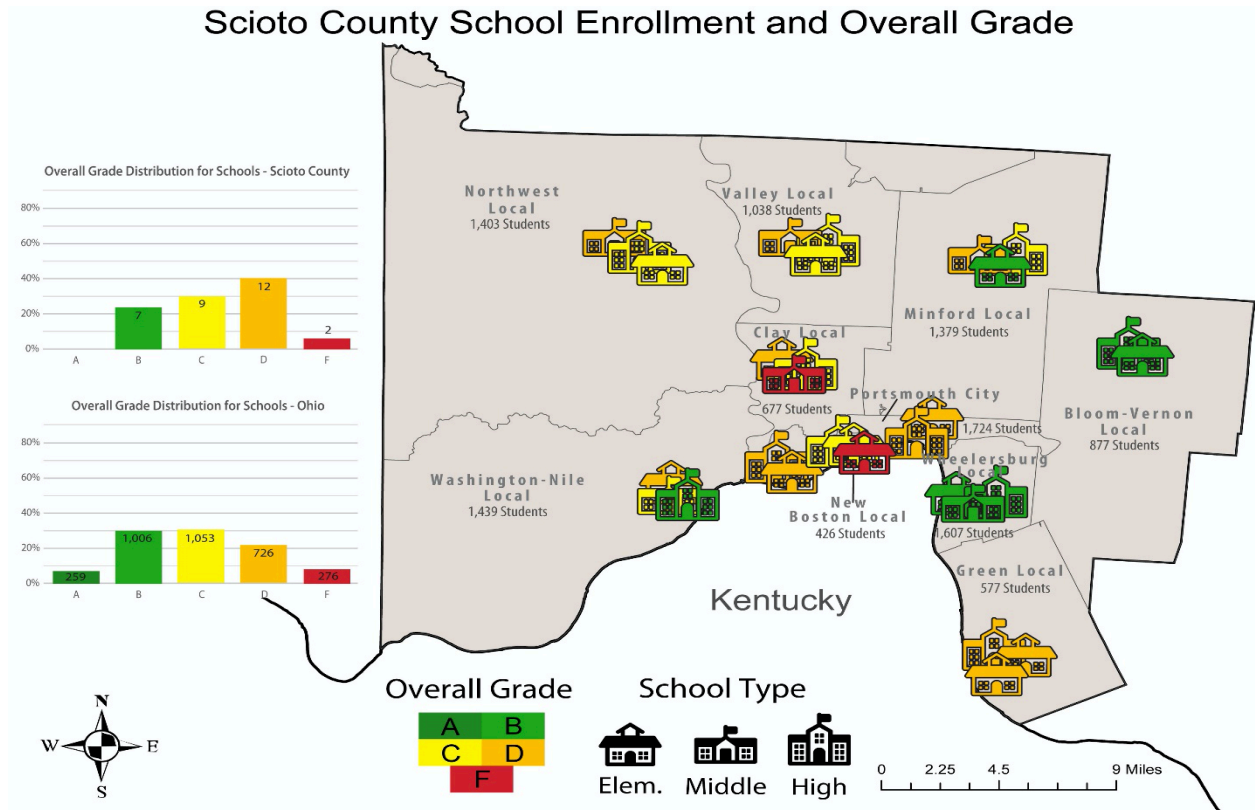


Figure 15: Quality of Schools in Scioto County



Household Income Distribution

Table 3 describes the number and annual income distributions of households in Lawrence County, Scioto County, and Ohio for the years of 2010 and 2019. By the Census Bureau definition, household income is the sum of annual earnings for all residents of a household, related or unrelated to the homeowner, who are at least 15 years old. In 2019, the largest percentage of Lawrence County, Scioto County, and Ohio households fell into the \$50,000-\$74,999 income range. Furthermore, 26.9% of Lawrence County households and 33.7% of Scioto County households earned less than \$25,000 in 2019, compared to 21.3% for Ohio. While Lawrence and Scioto Counties' median income remained significantly lower than Ohio's from 2011 to 2019, Lawrence County's median income increased by 23.74% and Scioto County's median income increased by 25.96%. Over the same time period, Ohio's median income increased only 16.33%.

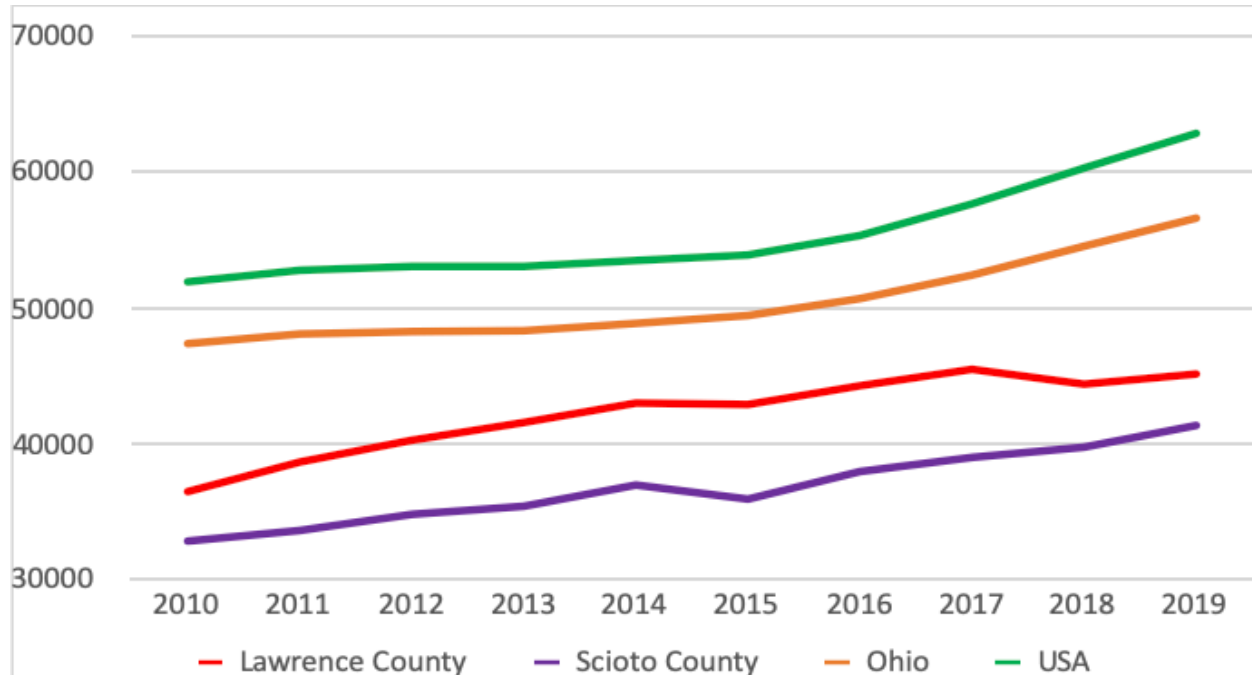
Figure 15 shows the changes in median household income for Lawrence County, Scioto County, Ohio, and the United States from 2011 to 2019. Although Lawrence and Scioto Counties' median household incomes remained below the state and national estimates, both counties experienced increases in real median income from 2011 to 2019. Lawrence County's real median income increased roughly \$8,600 and Scioto County's real median income increased roughly \$8,500, while Ohio and the United States increased \$9,244 and \$10,929, respectively. Additionally, it should be noted that Lawrence and Scioto Counties each experienced one year of negative growth in median income in 2015. Lawrence had a second year of negative growth in 2018.

Table 3: Household Income Distribution: Lawrence and Scioto Counties, and Ohio, 2010 and 2019					
	2010		2019		Percent
Age Range	Number	Percent	Number	Percent	Change
Lawrence County					
Less than \$10,000	2,340	9.5	2,206	9.5	-5.73
\$10,000 to \$14,999	2,020	8.2	1,277	5.5	-36.78
\$15,000 to \$24,999	3,966	16.1	2,763	11.9	-30.33
\$25,000 to \$34,999	3,448	14.0	3,088	13.3	-10.44
\$35,000 to \$49,999	4,064	16.5	3,181	13.7	-21.73
\$50,000 to \$74,999	4,409	17.9	4,528	19.5	2.70
\$75,000 to \$99,999	2,315	9.4	3,019	13.0	30.41
\$100,000 to \$149,999	1,527	6.2	2,276	9.8	49.05
\$150,000 to \$199,999	271	1.1	511	2.2	88.56
\$200,000 or more	271	1.1	395	1.7	45.76
Total Households	24,631		23,221		-5.72
Median income	\$36,461		\$45,118		23.74
Mean income	\$47,540		\$59,958		26.12

Scioto County					
Less than \$10,000	3,891	12.9	3,702	12.4	-4.86
\$10,000 to \$14,999	2,986	9.9	2,239	7.5	-25.02
\$15,000 to \$24,999	5,127	17.0	4,120	13.8	-19.66
\$25,000 to \$34,999	3,559	11.8	2,986	10.0	-16.10
\$35,000 to \$49,999	4,313	14.3	4,091	13.7	-5.15
\$50,000 to \$74,999	4,796	15.9	4,479	15.0	-6.61
\$75,000 to \$99,999	2,715	9.0	3,434	11.5	26.48
\$100,000 to \$149,999	2,232	7.4	3,165	10.6	41.80
\$150,000 to \$199,999	392	1.3	866	2.9	120.92
\$200,000 or more	151	0.5	806	2.7	433.77
Total Households	30,162		29,858		-1.01
Median income	\$31,812		\$41,330		25.96
Mean income	\$45,016		\$58,968		30.99

Ohio					
Less than \$10,000	372,468	8.2	317,992	6.8	-14.63
\$10,000 to \$14,999	268,211	5.9	215,112	4.6	-19.80
\$15,000 to \$24,999	534,177	11.7	462,959	9.9	-13.33
\$25,000 to \$34,999	520,543	11.4	458,283	9.8	-11.96
\$35,000 to \$49,999	691,867	15.2	626,632	13.4	-9.43
\$50,000 to \$74,999	874,828	19.2	855,774	18.3	-2.18
\$75,000 to \$99,999	546,220	12	607,927	13.0	11.30
\$100,000 to \$149,999	481,959	10.6	659,366	14.1	36.81
\$150,000 to \$199,999	144,656	3.2	247,847	5.3	71.34
\$200,000 or more	117,341	2.6	229,142	4.9	95.28
Total Households	4,552,270		4,676,358		2.73
Median income	\$47,358		\$56,602		19.52
Mean income	\$62,205		\$76,958		23.72
Source: U.S. Census Bureau, American Community Survey, Income in the Past 12 Months Estimates, 2010-2019					

Figure 15: Median Household Income, 2011-2019



Year Housing Structure Built

Table 4 shows the distribution of when housing structures were built in Lawrence County, Scioto County, and Ohio. It shows that the most housing units in Lawrence County were built from 1970 to 1979 and from 1990 to 1999. In fact, 28.6% of housing units were built in Lawrence County from 1960 to 1979 and an additional 24.8% were built from 1980 to 1999. In comparison, in Ohio, 26.3% of housing units were built from 1960 to 1979 and 20.9% were built from 1980 to 1999. Additionally, only 13.9% of housing units in Lawrence County were built in 1939 or earlier, compared to 20.1% of Ohio housing units. Furthermore, Lawrence County has seen a bit more construction in recent years with 15.3% of housing units being built between 2000 and 2019, compared to 12.5% in Ohio. This shows that like the rest of Ohio, there is less construction of new housing units in Lawrence County compared to previous decades. However, unlike Ohio, there is a smaller amount of much older housing units in Lawrence County.

The table also shows that most housing units in Scioto County were built before 1940 with 22.2% of housing units having been built in 1939 or earlier. Likewise, the majority of housing units in Ohio were built before 1940, with 20.1% of housing units having been built in 1939 or earlier. Similarly, 68.4% of housing units in Scioto County were built between 1940 and 1999, compared to 67.4% of housing units in Ohio. Additionally, only 9.4% of housing units in Scioto County were built between 2000 and 2019, compared to 12.5% in Ohio. This shows that Scioto County has fewer new housing units being constructed and a larger share of much older housing units than in Ohio.

Table 4: Year Structure Built: Lawrence County, Scioto County, and Ohio, 2019						
	Lawrence County		Scioto County		Ohio	
YEAR BUILT	Number	Percent	Number	Percent	Number	Percent
Built 1939 or earlier	3,837	13.9	7,664	22.2	1,045,218	20.1
Built 1940 to 1949	1,582	5.7	2,621	7.6	318,690	6.1
Built 1950 to 1959	3,207	11.6	4,486	13.0	732,150	14.1
Built 1960 to 1969	3,104	11.3	3,748	10.8	627,554	12.1
Built 1970 to 1979	4,767	17.3	5,347	15.5	741,862	14.3
Built 1980 to 1989	2,544	9.2	3,416	9.9	468,478	9.0
Built 1990 to 1999	4,294	15.6	4,021	11.6	616,264	11.8
Built 2000 to 2009	2,706	9.8	2,321	6.7	496,019	9.5
Built 2010 to 2013	988	3.6	632	1.8	82036	1.6
Built 2014 or later	514	1.9	307	0.9	74,033	1.4
Total Housing Units	27,543		34,563		5,202,304	
Source: U.S. Census Bureau, American Community Survey, Selected Household Characteristics, 2019						

Housing Property Values

Table 5 displays the current property value distribution of housing structures in Lawrence County, Scioto County, and Ohio. This data shows that the property values in Lawrence and Scioto Counties are much lower than the state median. In 2019, there were 16,775 recorded homes in Lawrence County with a median value of \$106,500, which is \$39,200 lower than in Ohio and \$134,000 less than in the United States. This is further supported by the fact that 46.5% of Lawrence County homes were valued at less than \$100,000, compared to 30.1% in Ohio.

Likewise, in 2019, there were 20,188 recorded homes in Scioto County with a median values of \$97,800, which is \$47,900 lower than in Ohio and \$142,700 less than in the United States. This is further supported by the fact that 51.0% of homes in Scioto County were valued at less than \$100,000, compared to 30.1% of Ohio.

Figures 16 and 17 visualize the distribution of housing property values in Lawrence County and Scioto County. The most common housing property range for both counties was \$50,000 to \$99,999, comprising 30.6% of houses in Lawrence County and 31.1% of houses in Scioto County. Likewise, the least common range in both counties was greater than \$300,000, comprising 5.0% of houses in Lawrence County and 6.8% of houses in Scioto County.

Table 5: Property Values: Lawrence County, Scioto County, and Ohio 2019						
	Lawrence County		Scioto County		Ohio	
VALUE	Number	Percent	Number	Percent	Number	Percent
Less than \$50,000	2,677	16.0	4,021	19.9	263,511	8.5
\$50,000 to \$99,999	5,128	30.6	6,274	31.1	667,512	21.6
\$100,000 to \$149,999	3,679	21.9	3,624	18.0	667,864	21.6
\$150,000 to \$199,999	2,673	15.9	2,839	14.1	544,500	17.6
\$200,000 to \$299,999	1,779	10.6	2,051	10.2	538,100	17.4
\$300,000 to \$499,999	654	3.9	1023	5.1	302,961	9.8
\$500,000 to \$999,999	154	0.9	283	1.4	87,988	2.8
\$1,00,000 or more	31	0.2	73	0.4	16,610	0.5
Median (dollars)	\$106,500		\$97,800		\$145,700	
Source: U.S. Census Bureau, American Community Survey, Selected Household Characteristics, 2019						

Figure 16: Housing Property Value Distribution, Lawrence County, 2019

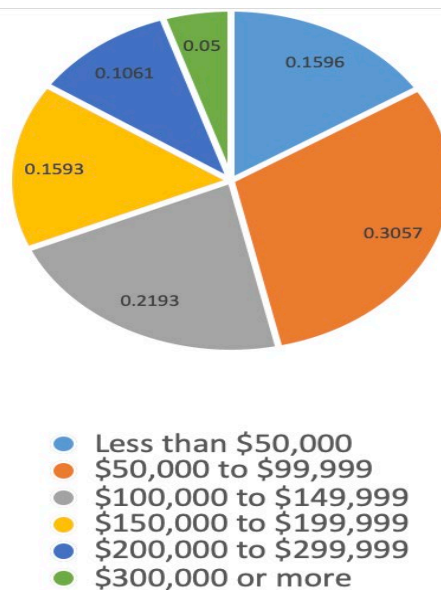
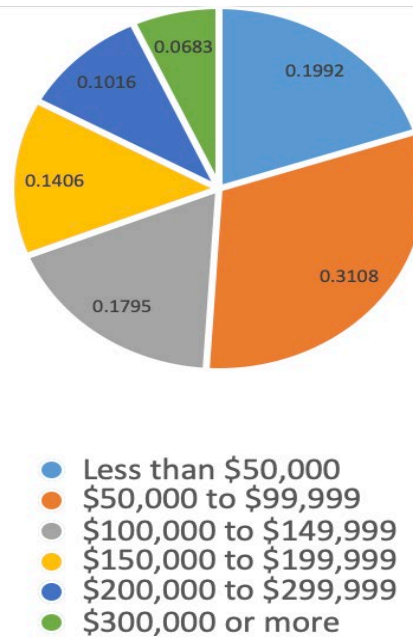


Figure 17: Housing Property Value Distribution, Scioto County, 2019



Rent Distribution

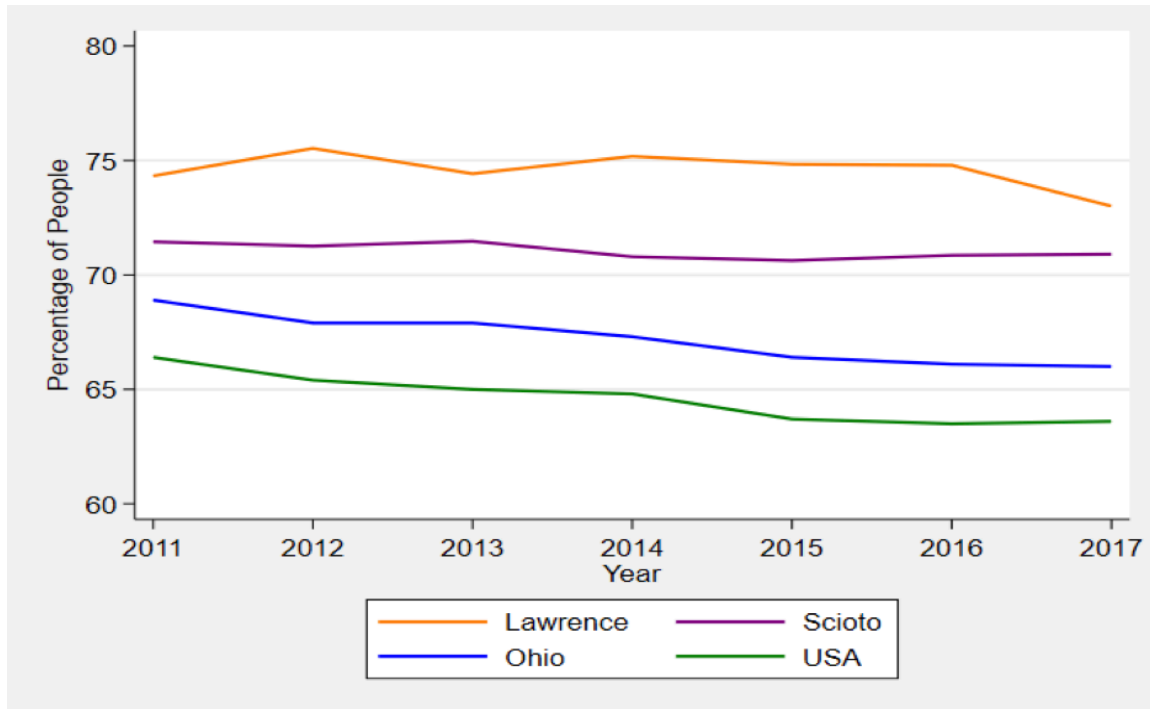
Table 6 presents the rent payment distribution of Lawrence County, Scioto County, and Ohio in 2019. The highest rent range in Lawrence County is \$1,500 to \$1,999, which only accounts for 0.7% of the units. This shows that Lawrence County lacks higher end rental units. Similarly, only 1.06% of rental units in Scioto County fall into the \$1,500 to \$1,999 range and 1.1% of rental units have rent of \$2,000 or more. This shows that while a few higher end rental do exist in Scioto County, the amount is limited.

Table 6: Units Paying Rent: Lawrence County, Scioto County, and Ohio 2019						
	Lawrence County		Scioto County		Ohio	
GROSS RENT	Number	Percent	Number	Percent	Number	Percent
Less than \$500	1,053	19.3	2599	29.6	203,826	13.5
\$500 to \$999	3,586	65.6	5,276	60.1	878,410	58.3
\$1,000 to \$1,499	787	14.4	715	8.1	336,129	22.3
\$1,500 to \$1,999	38	0.7	85	1.0	62,194	4.1
\$2,000 to \$2,499	0	0.0	71	0.8	15,765	1.0
\$2,500 to \$2,999	0	0.0	9	0.1	4,612	0.3
\$3,000 or more	0	0.0	19	0.2	6,168	0.4
Total Units	5,464		8,774		1,507,104	
Median (dollars)	\$733		626		\$808	
No rent paid	982		896		80,208	
Source: U.S. Census Bureau, American Community Survey, Selected Household Characteristics, 2019						

Homeownership

Figure 18 shows the homeownership trends for Lawrence County, Scioto County, Ohio, and the United States from 2011 to 2019. Homeownership rates in Lawrence County and Scioto County have been consistently higher than homeownership rates in Ohio and the United States. The homeownership rate for Lawrence County dropped roughly 1.32 percentage points from 74.32% in 2011 to 73.00% in 2019, and the homeownership rate for Scioto County dropped roughly 0.54 percentage points from 71.44% in 2011 to 70.90% in 2019. The homeownership rates in Ohio and the United States dropped 2.9 and 2.8 percentage points, respectively. This shows that although homeownership rates are declining in Lawrence and Scioto Counties, the rates are decreasing slower than in Ohio and the United States.

Figure 18: Homeownership Rate, 2011-2017



Housing Unit Structure

Figures 19 and 20 show the distribution of type of housing units in Lawrence County and Scioto County. In 2019, the most common housing unit structure in both counties was a one unit detached house, or single-family home, and accounted for roughly 72% of each housing units in each county. Additionally, 17.24% of Lawrence County and 13.79% of Scioto County residents live in mobile homes. This is much higher than the national average of mobile home occupancy, which was 5.6% in 2019.

Figure 19: Housing Unit Structure Distribution, Lawrence County, 2019

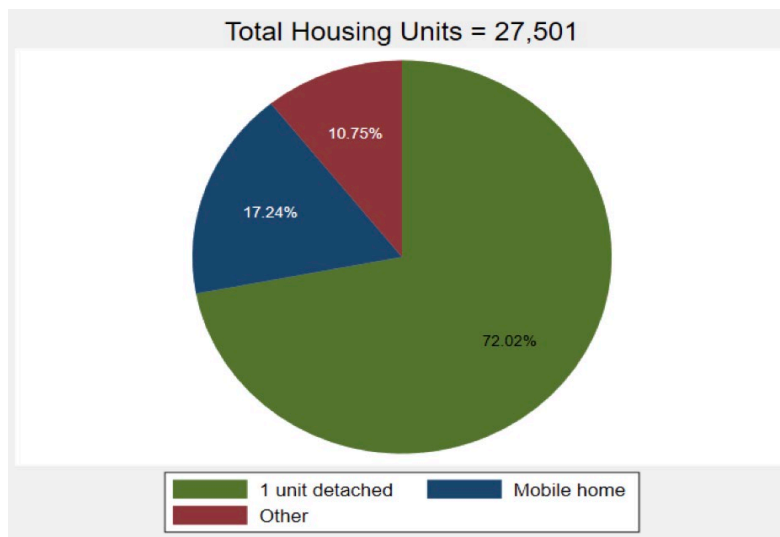
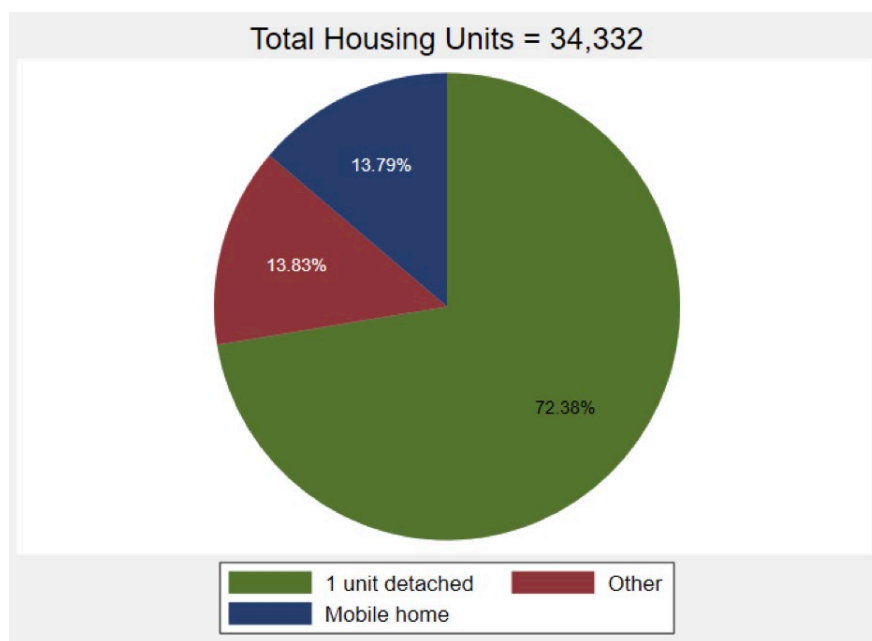


Figure 20: Housing Unit Structure Distribution, Scioto County, 2019



Health Outcomes

Figure 21 depicts the percentages of diagnosed diabetes and obesity prevalence in Lawrence County, Scioto County, and Ohio in 2016. Lawrence County and Scioto County have a higher proportion of adults diagnosed with diabetes at 16.3% and 14.2%, respectively, compared to 9.7% in Ohio. Likewise, Lawrence County and Scioto County have a higher obesity prevalence at 39% and 36%, respectively, compared to 31.5% in Ohio.

Figure 22 presents heart disease and stroke hospitalization and death rates from 2014 to 2016 in Lawrence County, Scioto County, and Ohio. Per 1,000 beneficiaries, about 181 were hospitalized for heart disease and 23 were hospitalized for stroke in Lawrence County. Similarly, about 221 were hospitalized for heart disease and 31 were hospitalized for stroke in Scioto County. Comparatively, about 151 were hospitalized for heart disease and 25 were hospitalized for stroke in Ohio. Additionally, in Lawrence County, 395 people died from heart disease and 97 people died from strokes per 100,000 people. In Scioto County, 548 people died from heart disease and 76 people died from strokes per 100,000 people. Comparatively, in Ohio, 363 people died from heart disease and 78 people died from stroke per 100,000.

Figure 23 shows the rate of the four most common cancers in Lawrence County, Scioto County, and Ohio in 2016. The most common cancer in Ohio is prostate cancer, followed by breast cancer, lung and bronchus cancers, and colon and rectum cancers. The most common cancer in Lawrence County is prostate cancer, followed by lung and bronchus cancers, breast cancer, and colon and rectum cancers. The most common cancer in Scioto County is lung and bronchus cancers, followed by prostate cancer, breast cancer, and colon and rectum cancers. The rates of breast cancer in Lawrence and Scioto Counties are higher, but comparable to the rate in Ohio. The rates of lung and bronchus cancers in Lawrence and Scioto Counties are much higher than the rate in Ohio. In contrast, the rates of prostate cancer in Lawrence and Scioto Counties are lower than in Ohio. Additionally, the rate of colon and rectum cancers in Lawrence County is much higher than the rate in Ohio, but in Scioto County, the rate of colon and rectum cancer is lower than the rate in Ohio.

Figure 24 shows the leading causes of death in Lawrence County, Scioto County, and Ohio. Heart disease and malignant neoplasms (cancerous tumors) are the leading causes of death in Lawrence County, Scioto County, and Ohio. The death rate for heart disease is lower for Lawrence County than the rate in Ohio. However, the death rate for heart disease is much higher for Scioto County than the rate in Ohio. The death rates for malignant neoplasms and cerebrovascular disease are lower in Lawrence and Scioto Counties than the rate in Ohio. Additionally, the death rates for chronic lower respiratory diseases and accidents are higher in Lawrence and Scioto Counties than the rates in Ohio.

Figure 25 shows the unintentional drug overdose rate per 100,000 people in Lawrence County, Scioto County, and Ohio from 2007 to 2019. In 2019, the death rates in Lawrence County and Scioto County were 53.23 and 67.20 per 100,000 people, respectively, compared to 41.61 in Ohio. While the Scioto County death rate has been consistently higher than the Ohio death rate, they have followed a similar increasing trend during this time period. On the other hand, the death rate in Lawrence County has fluctuated around the Ohio death rate.

Table 7 compares the results of certain measures used to rank health statistics for the United States, Ohio, Lawrence County, and Scioto County in 2018. The table lists the rankings of health outcomes as well as health factors including health behaviors, clinical care, social and economic factors, and physical environments.

Figure 21: Diabetes and Obesity Percentages, 2016

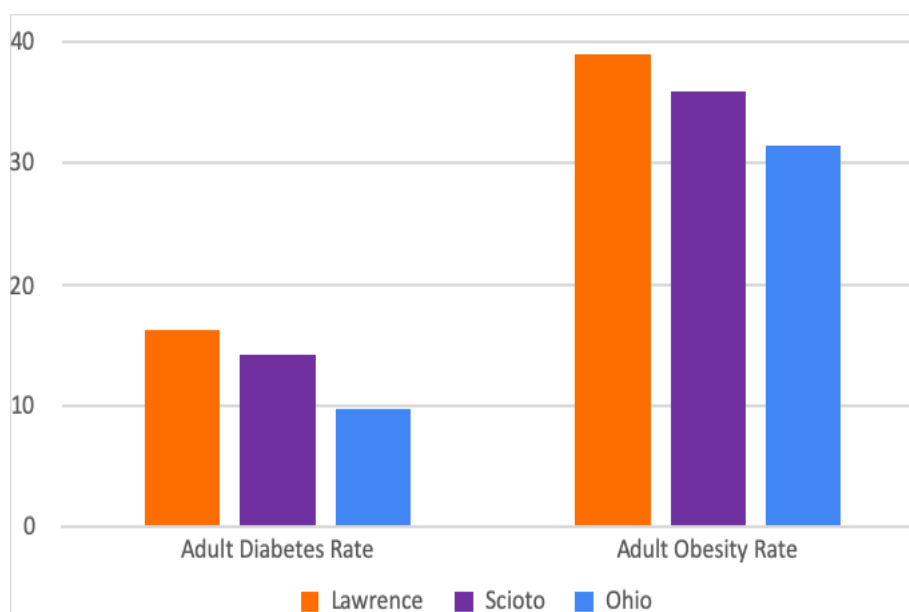


Figure 22: Heart Disease and Stroke Hospitalization and Death Rates, 2014-2016 estimate

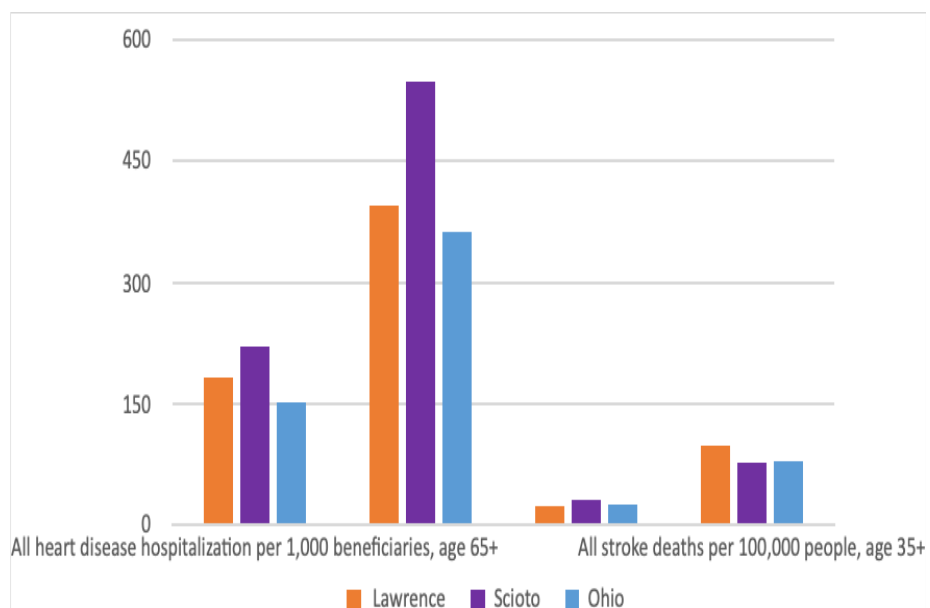


Figure 23: Cancer Rate, Lawrence County, Scioto County, and Ohio, 2016

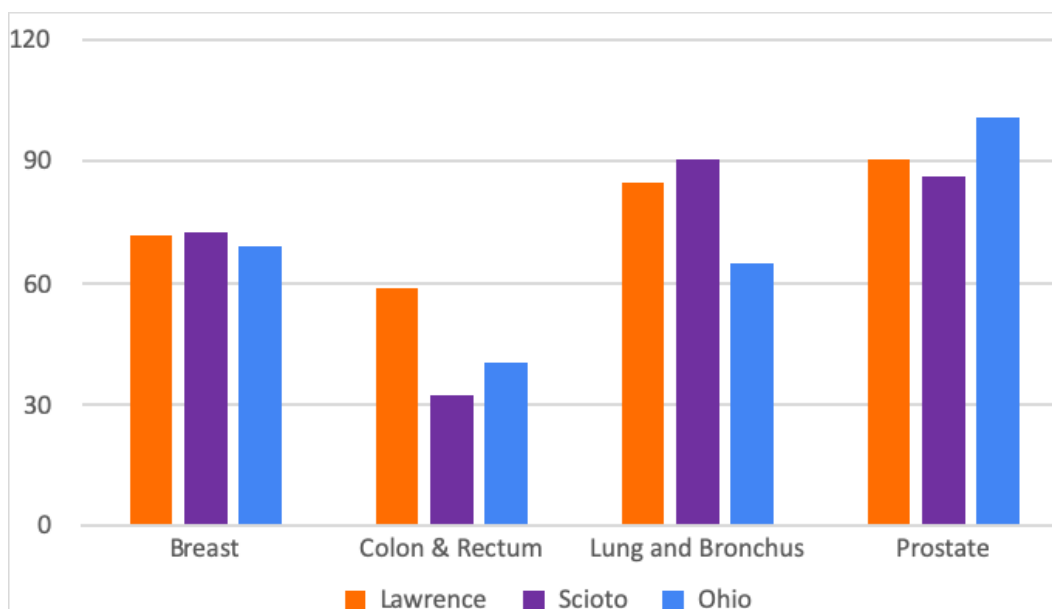


Figure 24: Leading Cause of Death: Lawrence County, Scioto County, and Ohio, 2007-2019

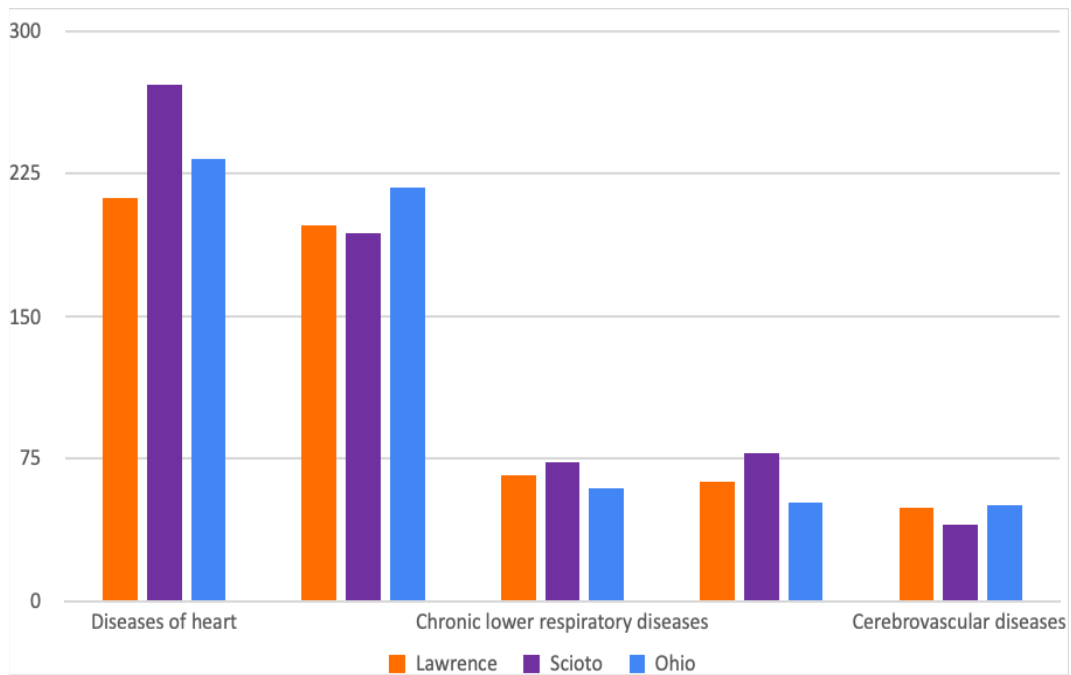


Figure 25: Unintentional Drug Overdose Death Rate, Lawrence County, Scioto County, and Ohio, 2007-2017

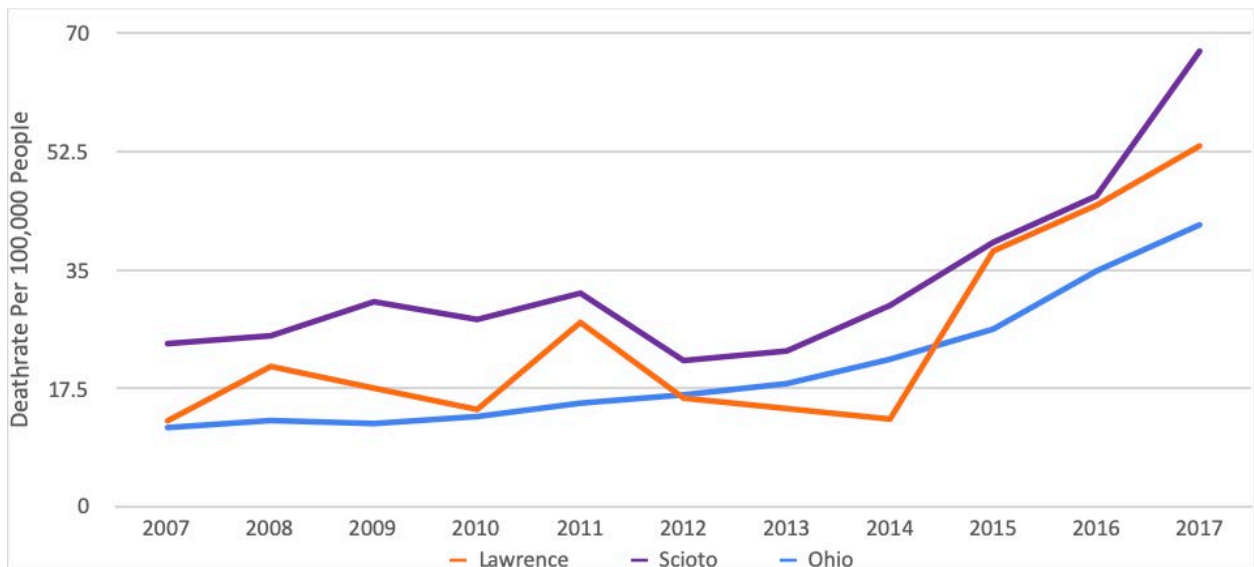


Table 7: Health Rankings with Measures and Results: United States, Ohio, Lawrence County, and Scioto County, 2018

Measure	Description	US	OH	OH Minimum	OH Maximum	Lawrence County	Scioto County
HEALTH OUTCOMES							
Premature Death	Years of potential life lost before age 75 per 100,000 population	6,700	7,700	3,800	11,700	10,400	10,000
Poor or fair health	% of adults reporting fair or poor health	16%	17%	10%	23%	19%	22%
Poor physical health days	Average # of physically unhealthy days reported in past 30 days	3.7	4.0	3.0	4.7	4.1	4.5
Poor mental health days	Average # of mentally unhealthy days reported in past 30 days	3.8	4.3	3.3	4.7	4.5	4.5
Low birthweight	% of live births with low birthweight (< 2500 grams)	8%	9%	5%	11%	9%	8%

Measure	Description	US	OH	OH Minimum	OH Maximum	Lawrence County	Scioto County
HEALTH FACTORS							
HEALTH BEHAVIORS							
Adult Smoking	% of adults who are current smokers	17%	23%	14%	25%	23%	22%
Adult obesity	% of adults that report a BMI ≥ 30	28%	32%	27%	40%	38%	40%
Food environment index	Index of actors that contribute to a healthy food environment, (0-10)	7.7	6.6	5.7	8.9	7.6	6.8
Physical inactivity	% of adults aged 20 and over reporting no leisure-time physical activity	23%	26%	19%	36%	36%	34%
Access to exercise opportunities	% of population with adequate access to locations for physical activity	83%	85%	16%	97%	53%	71%
Excessive drinking	% of adults reporting binge or heavy drinking	18%	19%	16%	21%	16%	16%
Alcohol-impaired driving deaths	% of driving deaths with alcohol involvement	29%	34%	16%	60%	30%	22%
Sexually transmitted infections	# of newly diagnosed chlamydia cases per 100,000 population	478.8	489.3	84.3	847.2	233.7	186.4
Teen births	# of births per 1,000 female population ages 15-19	27	28	8	53	44	41

Measure	Description	US	OH	OH Minimum	OH Maximum	Lawrence County	Scioto County
CLINICAL CARE							
Uninsured	% of population under age 65 without health insurance	11%	8%	4%	22%	8%	8%
Primary care physicians	Ratio of population to primary care physicians	1,320:1	1,310:1	14,780:1	750:1	2,180:1	1,670:1
Dentists	Ratio of population to dentists	1,480:1	1,660:1	15,310:1	980:1	2,900:1	2,720:1
Mental health providers	Ratio of population to mental health providers	470:1	560:1	10,980:1	340:1	1,220:1	870:1
Preventable hospital stays	# of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees	49	57	33	120	82	90
Diabetes monitoring	% of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	85%	85%	74%	93%	83%	83%
Mammography screening	% of female Medicare enrollees ages 67-69 that receive mammography screening	63%	61%	48%	69%	57%	59%

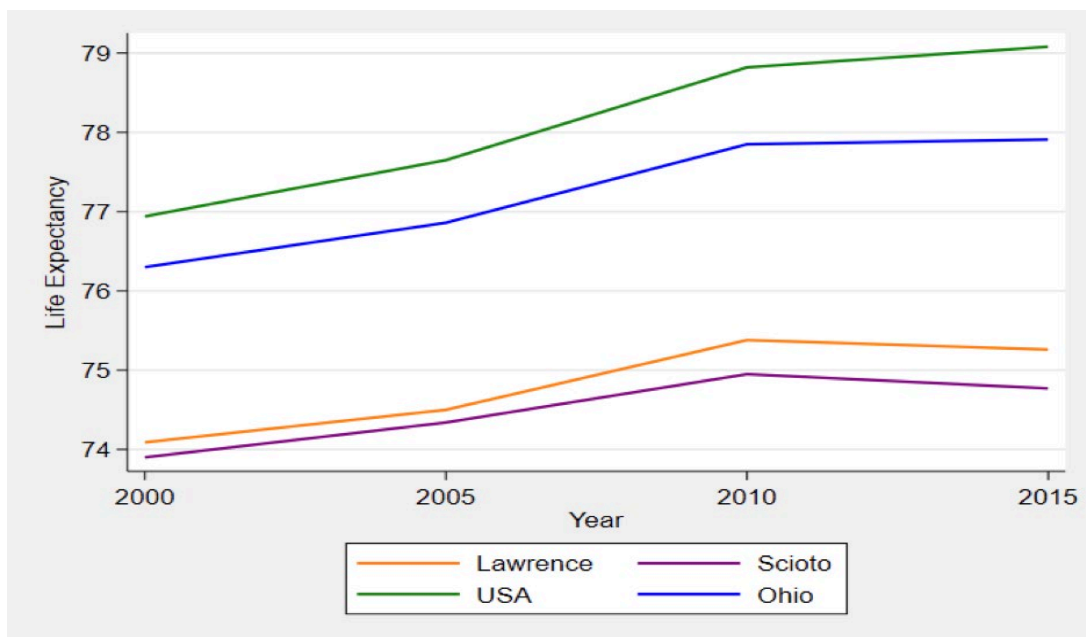
Measure	Description	US	OH	OH Minimum	OH Maximum	Lawrence County	Scioto County
SOCIAL AND ECONOMIC FACTORS							
High school graduation	% of ninth-grade cohort that graduates in four years	83%	81%	33%	98%	95%	89%
Some college	% of adults ages 25-44 with some post-secondary education	65%	65%	19%	83%	54%	48%
Unemployment	% of population aged 16 and older unemployed but seeking work	4.9%	4.9%	3.2%	11.1%	6.4%	7.6%
Children in poverty	% of children under age 18 in poverty	20%	20%	5%	32%	27%	32%
Income inequality	Ratio of household income at the 80th percentile to income at the 20th percentile	5	4.8	3.5	6.9	5.1	5.8
Children in single-parent households	% of children that live in a household headed by a single parent	34%	36%	8%	47%	35%	41%
Social associations	# of membership associations per 10,000 population	9.3	11.3	5.4	22.5	10.5	11.8
Violent crime	# of reported violent crime offenses per 100,000 population	380	290	20	794	155	152
Injury deaths	# of deaths due to injury per 100,000 population	65	75	40	111	85	94

Measure	Description	US	OH	OH Minimum	OH Maximum	Lawrence County	Scioto County
PHYSICAL ENVIRONMENT							
Air pollution - particulate matter	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	8.7	11.3	10.5	13.0	11.0	10.6
Drinking water violations	Indicator of the presence of health related drinking water violations. Yes - indicates the presence of a violation, No - indicates no violation.	NA	NA	No	Yes	No	No
Severe housing problems	% of households with overcrowding, high housing costs, or lack of kitchen or plumbing facilities	19%	15%	8%	24%	13%	15%
Driving alone to work	% of workforce that drives alone to work	76%	83%	53%	89%	87%	89%
Long commute - driving alone	Among workers who commute in their car alone, % commuting > 30 minutes	35%	30%	16%	57%	28%	33%

Life Expectancy

Figure 26 shows that life expectancy in Lawrence and Scioto Counties has consistently remained below the national and state averages from 2000 to 2015. Specifically, Lawrence County life expectancy was 74.09 years to 75.15 years, about a 1.58% increase. In Scioto County, life expectancy was 73.9 years to 74.77 years, about a 1.18% increase. Ohio life expectancy was 76.3 years in 2000 and increased by 2.11% to 77.91 years in 2015. The average national life expectancy was 76.94 years in 2000 and increased by 2.78% to 79.08 years in 2015. In addition to Lawrence and Scioto Counties experiencing a lower life expectancy than the national average by roughly 3.8 and 4.3 years, respectively, the counties' growth rates have been slower than the national average and even experienced negative growth from 2010 to 2015.

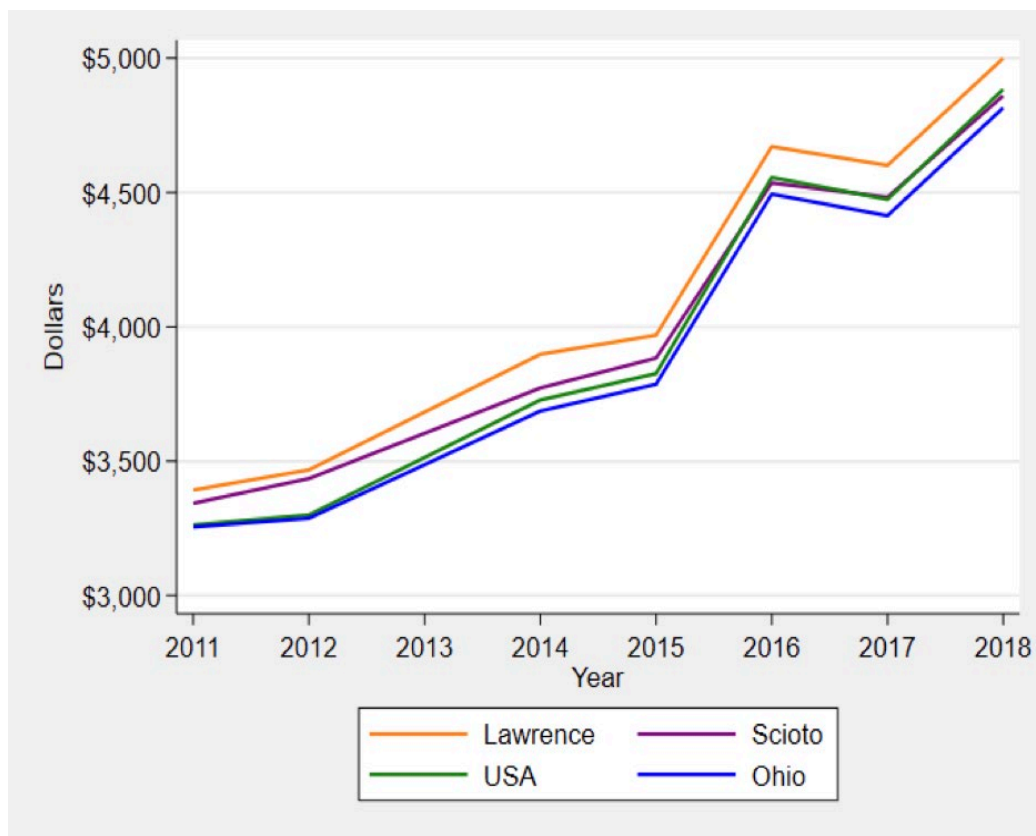
Figure 26: Life Expectancy, 2000-2015



Healthcare Spending

Figure 27 shows that healthcare spending in Lawrence and Scioto Counties has followed a very similar trend to both Ohio and the United States. In Lawrence County, the median household spending was \$3,392 in 2011 and has grown to \$4,999 in 2018. This spending has been consistently higher than both the state and national medians, which were about \$3,255 and \$3,263 in 2011 and \$4,815 and \$4,884 in 2018, respectively. Additionally, in Scioto County, the median household spending was \$3,343 in 2011 and \$4,860 in 2018. Although healthcare spending in Scioto County was higher than the state and national medians in 2011, healthcare spending in Scioto County was roughly equal to the national median from 2016 to 2018.

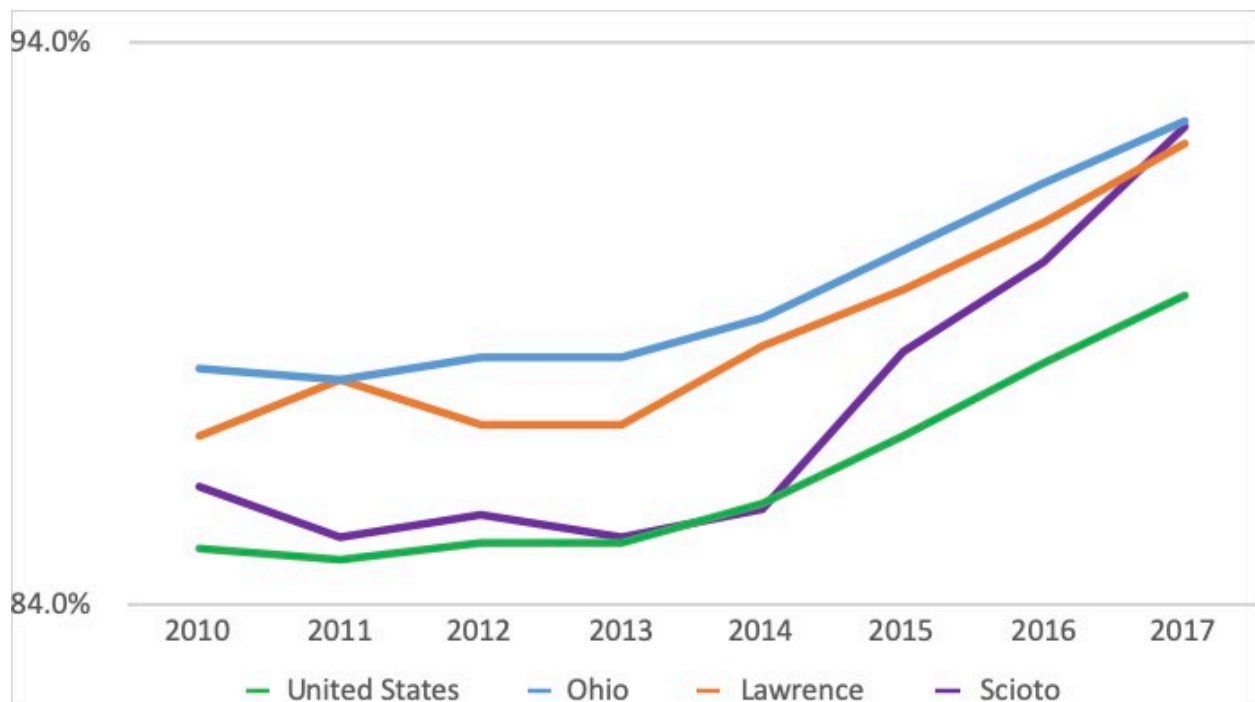
Figure 27: Healthcare Spending, 2011-2018



Health Insurance

Figure 28 shows the percentage of the population in Lawrence County, Scioto County, Ohio, and the United States with health insurance. The graph shows that the percentage with health insurance was relatively stable from 2010 to 2013 in Lawrence County, Ohio, and the United States and from 2010 to 2014 in Scioto County. Following the period of stability, all saw an increase in health insurance coverage. This may correlate to the enactment of the Affordable Care Act in 2014. In 2019, 92.2% of the population of Lawrence County and 92.5% of the population of Scioto County, compared to 92.6% and 89.5% of Ohio and the United States, respectively.

Figure 28: Percent of Population with Health Insurance: Lawrence County, Scioto County, Ohio, and the United States, 2010-2017



Economic Scan and Workforce Inventory

This section supplies a report of the current and historic industry and occupational employment trends for Lawrence and Scioto County, Ohio, and an analysis of regional employed resident commuter behavior.

Employment by Industry

Table 8 breaks down industry-specific employment data from Lawrence, Scioto Counties, and Ohio in 2010 and 2019. Education services and health care and social assistance is Lawrence and Scioto County's most significant employer with 39.61%/31.08 of the county's working population in 2019. This industry is also the most significant employer for Ohio. The second-most significant employer for Lawrence and Scioto County is retail trade, with 13.57% and 13.55% of the working population, respectively.

Lawrence County had eight industries with employment growth from 2010 to 2019, compared to five industries with employment decline. Of the growth industries, two industries had a growth rate of over 40%, including 25.62% growth in wholesale trade. On the other hand, three of five loss industries experienced employment declines of greater than 15%, including a loss of 18.53% in Construction. Scioto county had three industries with employment growth from 2010 to 2019, compared to ten industries with employment decline. Of the growth industries, all three industries had a growth rate of over 10%, including 19.46% growth in Transportation warehousing and utilities. Although, three of the ten loss industries experienced employment declines of greater than 25%, including a loss of 39.31% in Agriculture, forestry, fishing and hunting, and mining.

Table 8: Employment by Industry: Lawrence County and Ohio, 2010 and 2019¹

Industry	2010 Estimate	Percent	2019 Estimate	Percent	Percent Change
Lawrence County					
Agriculture, forestry, fishing and hunting, and mining	25	.0027	31	0.032	24.00
Construction	599	6.38	488	4.98	-18.53
Manufacturing	1088	11.58	1060	10.82	-2.573
Wholesale trade	199	2.12	250	2.55	25.62
Retail trade	1599	17.02	1329	13.57	-16.88
Transportation and warehousing, and utilities	515	5.58	646	6.6	25.43
Information	222	2.36	179	1.83	-19.36
Finance and insurance, and real estate and rental and leasing	309	3.29	349	3.56	12.94
Professional, scientific, and management, and administrative and waste management	432	4.6	639	6.52	47.91
Educational services, and health care and social assistance	2763	29.41	3879	39.61	40.39
Arts, entertainment, and recreation, and accommodation and food services	901	9.59	999	10.2	12.40
Other services, except public administration	272	2.89	496	5.06	82.35
Public administration	238	2.53	233	2.38	-2.100
Civilian employed population 16 years and over	9396		9794		4.235

Industry	2010 Estimate	Percent	2019 Estimate	Percent	Percent Change
Scioto County					
Agriculture, forestry, fishing and hunting, and mining	529	1.85	321	1.15	-39.31
Construction	2381	8.34	2079	7.42	-12.68
Manufacturing	3188	11.16	2840	10.14	-10.91
Wholesale trade	522	1.83	388	1.39	-25.67
Retail trade	3386	11.86	3796	13.55	12.10
Transportation and warehousing, and utilities	1500	5.25	1792	6.4	19.46
Information	414	1.45	300	1.07	-27.53
Finance and insurance, and real estate and rental and leasing	1046	3.66	1045	3.73	-0.0956
Professional, scientific, and management, and administrative and waste management	1490	5.22	1665	5.94	11.74
Educational services, and health care and social assistance	8768	30.7	8705	31.08	-0.718
Arts, entertainment, and recreation, and accommodation and food services	2417	8.46	2372	8.47	-1.861
Other services, except public administration	1380	4.83	1289	4.6	-6.594
Public administration	1536	5.38	1418		-
				5.06	7.682
Civilian employed population 16 years and over	28,557		28,010		-1.915

Industry	2010 Estimate	Percent	2019 Estimate	Percent	Percent Change
OHIO					
Agriculture, forestry, fishing and hunting, and mining	54,903	1.0	55,424	1.0	0.95
Construction	301,725	5.6	300,741	5.4	-0.33
Manufacturing	859,548	16.0	856,557	15.3	-0.35
Wholesale trade	163,458	3.0	147,060	2.6	-10.03
Retail trade	626,512	11.7	638,630	11.4	1.93
Transportation and warehousing, and utilities	266,567	5.0	289,114	5.2	8.46
Information	105,502	2.0	87,583	1.6	-16.98
Finance and insurance, and real estate and rental and leasing	353,630	6.6	359,661	6.4	1.71
Professional, scientific, and management, and administrative and waste management	478,692	8.9	540,325	9.7	12.88
Educational services, and health care and social assistance	1,254,969	23.4	1,350,405	24.1	7.60
Arts, entertainment, and recreation, and accommodation and food services	454,730	8.5	511,118	9.1	12.40
Other services, except public administration	239,248	4.5	247,660	4.4	3.52
Public administration	210,373	3.9	211,166	3.8	0.38
Civilian employed population 16 years and over	5,369,857		5,595,444		4.20

Source: U.S. Census Bureau, American Community Survey 5-Year Estimates, Industry by Occupation for the Civilian Employed Population 2010-2019

Labor Force Overview

Figures 29 and 30 report labor force eligibility and employment data in Lawrence and Scioto Counties from 2010 to 2019. In 2010, 24,659 individuals were employed in Lawrence County. For Lawrence, that number grew to 25,146 in 2012 and has only decreased incrementally each year to a total of 24,537 in 2019. On the other hand, the labor force size decreased between 2013 and 2017, with the rate of the decrease getting more severe over time. The labor force has since stabilized around 25,995 in 2019. Although, for the most part, these numbers have decreased from the 2010 levels, the gap between the labor force and the employed has shrunk, writing down that a more significant percentage of people who wish to be employed have been able to find employment in 2019 than in 2010. As for Scioto County, 28,542 individuals were employed in 2010. That number has only been under 28,000 from 2014-to 2015, with the lowest number being 27,750 in 2014. In 2019, the number of employed workers was 28,020, respectively.

Figures 31 and 32 show how Lawrence County's and Scioto County's unemployment rate compares with Ohio and the United States. Lawrence County's unemployment rate has been consistent with the state and national averages since 2010, never going over two percent of the national or state averages. Lawrence County experienced a slight reduction in unemployment from 2010 to 2016. In 2019, the unemployment rate for Lawrence County was only 0.3% higher

than for Ohio and the United States. In Scioto County, the unemployment rate has been higher than Ohio and United States averages. The unemployment rate stayed over 11% from 2010 to 2015 when it hit 9.60%, peaking in 2010 at 12.20%, higher than averages at the time of 8.6% for Ohio and 7.9% nationwide. In 2019, that number is 7.7%, still higher than both state and national averages but decreasing each year.

Figures 33 and 34 show the participation rate of Lawrence County, Scioto County, Ohio, and the United States. The graph shows that while the state and national participation rates were identical, Lawrence County and Scioto County's rate was significantly lower. For example, from 2010 to 2015, Scioto County's participation rate was about 10% -15% lower, while Lawrence County was 8-10% lower than Ohio's rate. By 2019, Scioto County's rate was about 13% lower, and Lawrence County was about 10% lower than Ohio's rate. To further explore why Scioto County's rate was lower, Figures 35 and 36 separates the county's participation rate by gender. Women have consistently had a lower participation rate than men in Scioto County but not by much, with the rate shrinking to a 2% difference between the genders in 2019. In Lawrence County, women have also had a consistently lower participation rate than men, with the most significant gap being 8% in 2010. In 2019, that rate shrunk to 5% in Lawrence County

Figure 29: Lawrence County Labor Force and Employment, 2010-2019

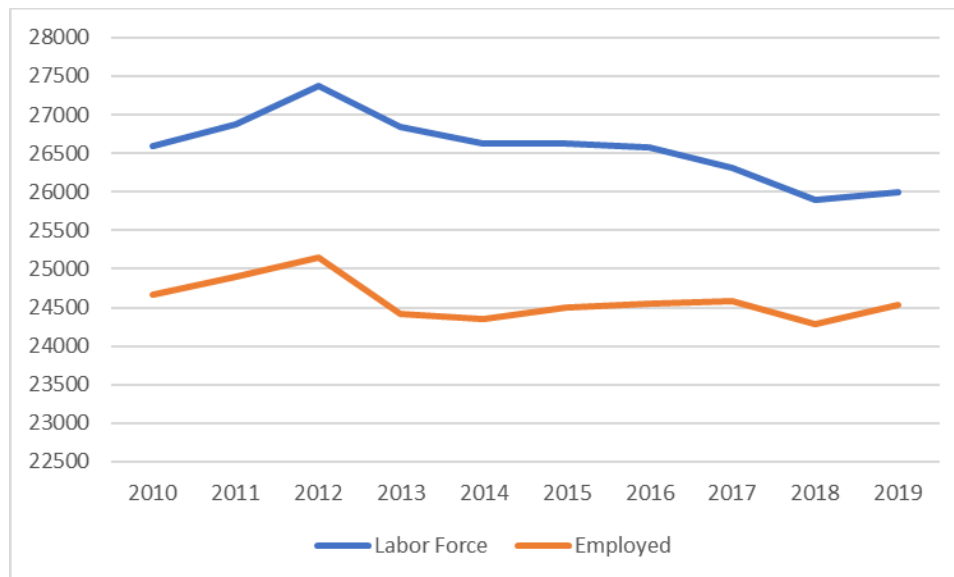


Figure 30: Scioto County Labor Force and Employment, 2010-2019

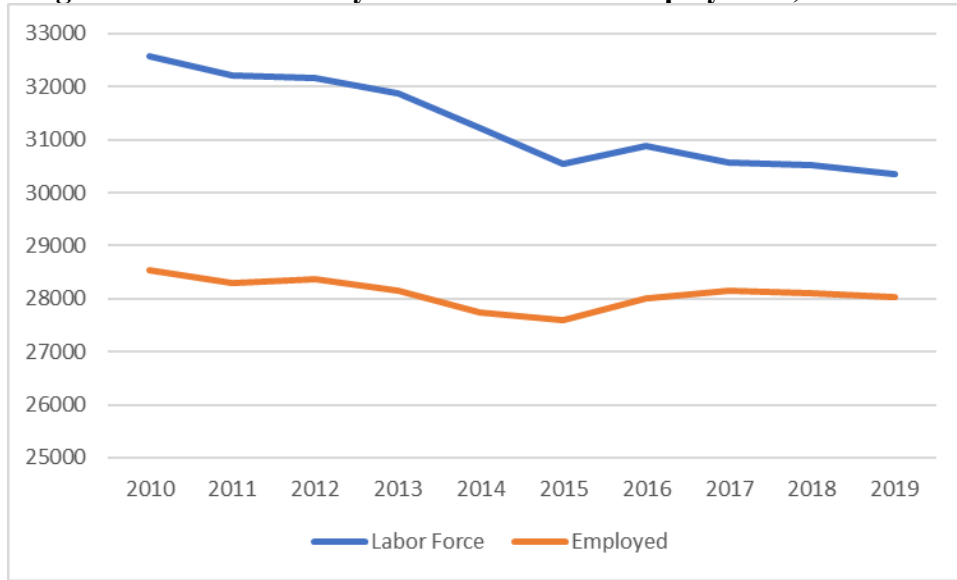


Figure 31: Unemployment Rate: Lawrence County, Ohio, and the United States, 2010-2019

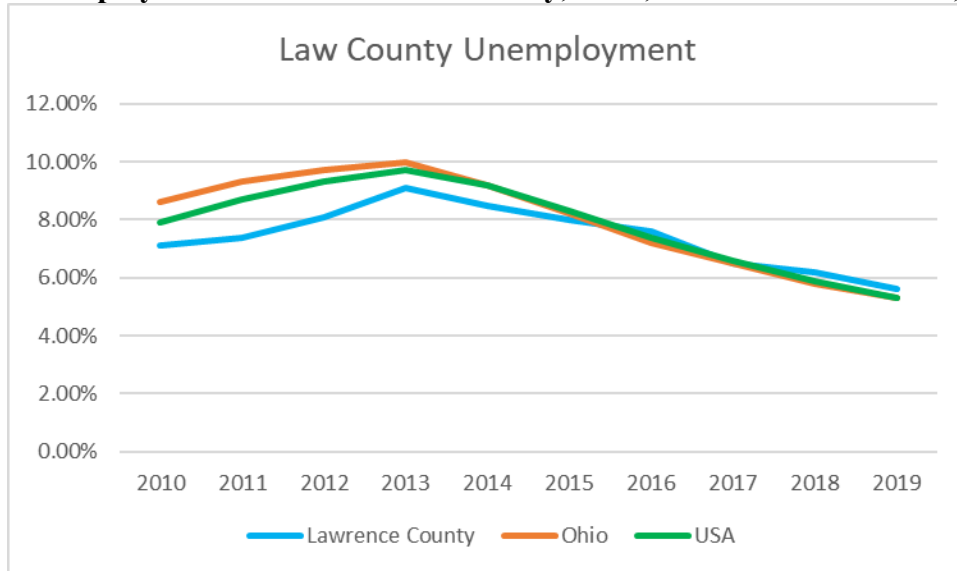


Figure 32: Unemployment Rate: Scioto County, Ohio, and the United States, 2010-2019

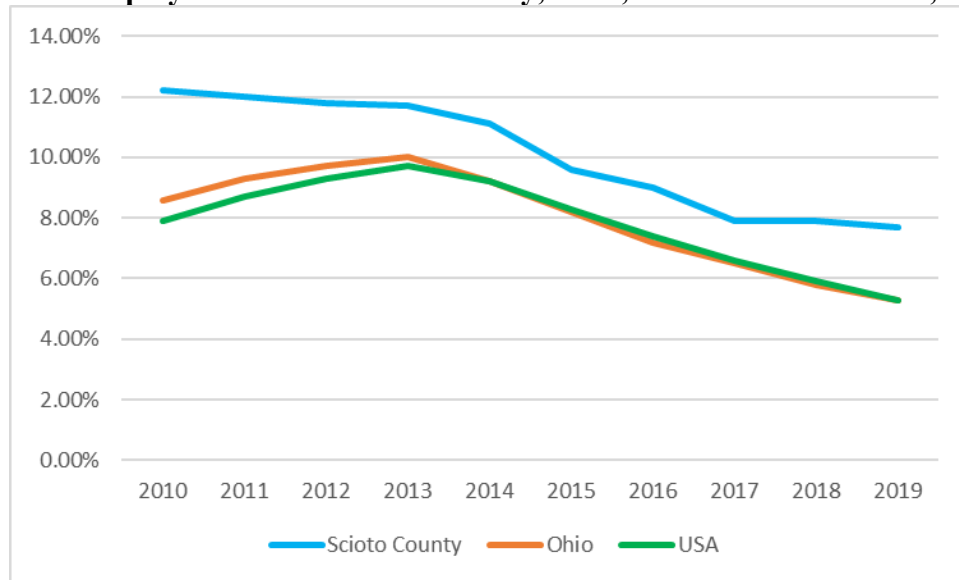


Figure 33: Participation Rate: Lawrence County, Ohio, and the United States, 2010-2019

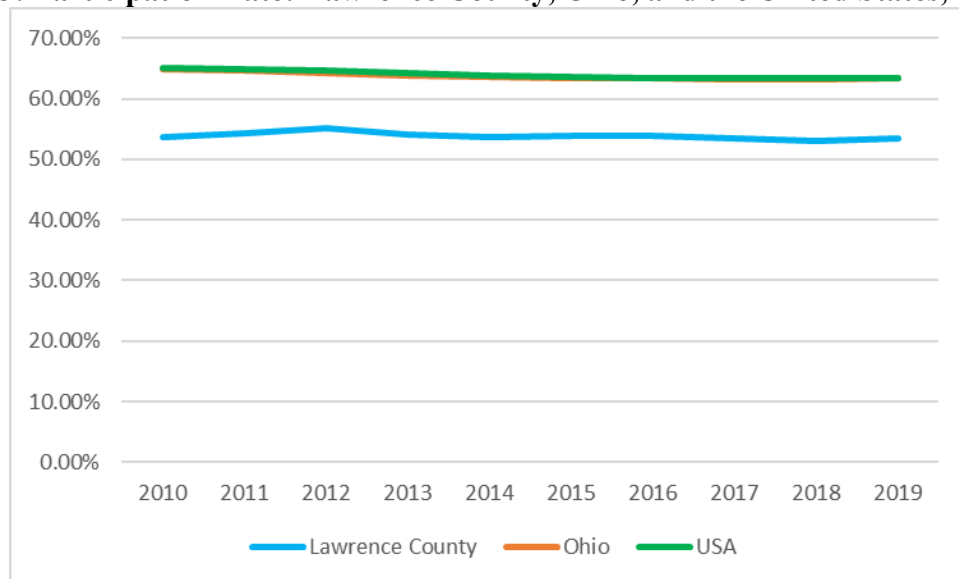


Figure 34: Participation Rate: Scioto County, Ohio, and the United States

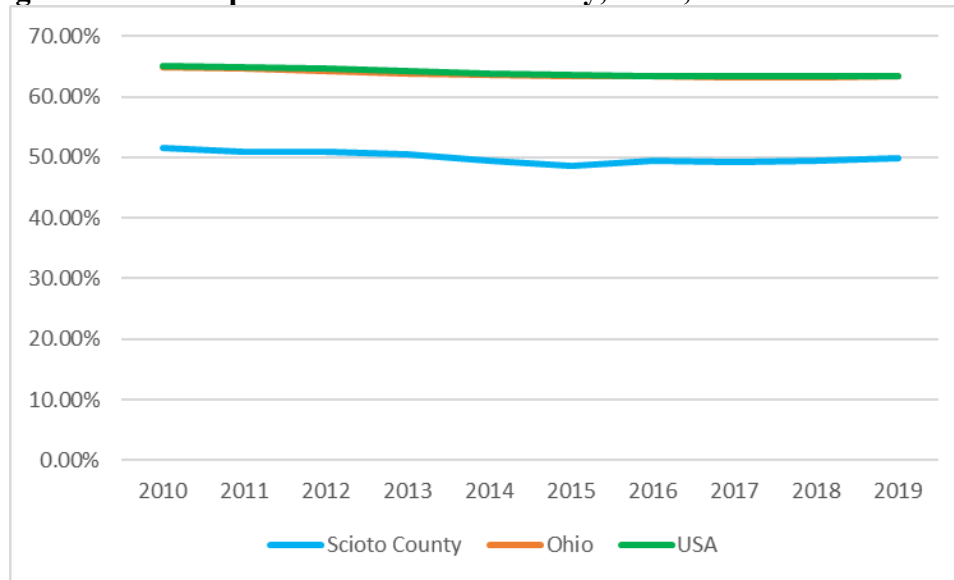


Figure 35: Lawrence County Participation Rate by Gender, 2010-2019

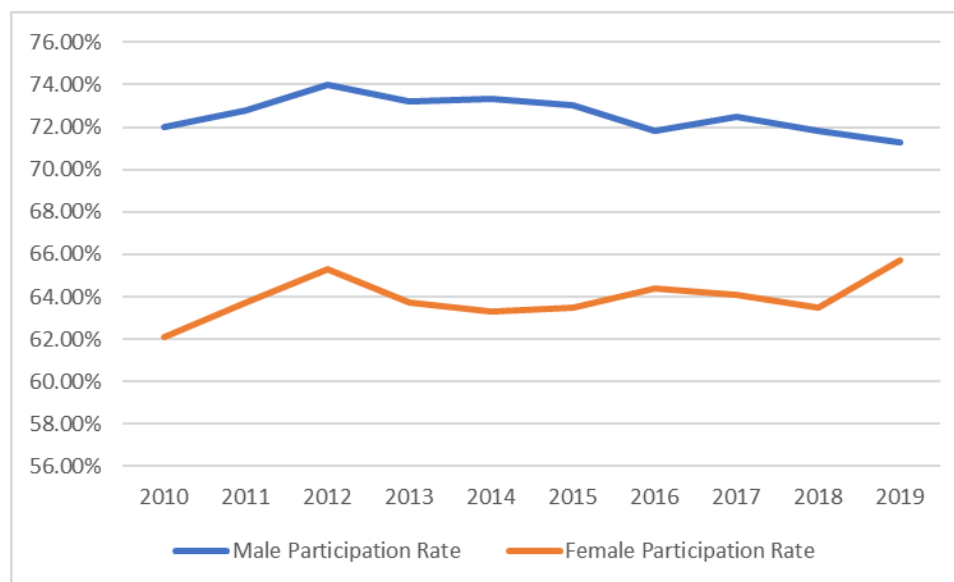


Figure 36: Scioto County Participation Rate by Gender, 2010-2019

