

TRAVIS COUNTY **P**OVERTY **brief**

April 2019

Travis County Poverty Brief from
american community
survey 5-year estimates
2013 - 2017



About the Authors

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Introduction

Introduction

The purpose of this report is to update some key poverty indicators to inform the community about current conditions in Travis County and to support planning and decision-making. We use American Community Survey (ACS) data to look at high-level poverty indicators and to explore how poverty has changed over time by Zip Code Tabulation Areas (ZCTAs). Data in this report are from the ACS 5-Year Estimates.

The Data Source: American Community Survey 5-Year Estimates

The ACS is conducted continuously on a yearly basis, and includes questions about demographic, social, housing, and economic characteristics. ACS data sets are released as period estimates that represent the characteristics of the population and housing over a specific data collection period of 12, or 60 months. This differs from the decennial census, which is designed to measure characteristics during a narrow time period.¹

We use 2013-2017 ACS 5-Year Estimates because they are more reliable and provide the largest sample size. The 5-Year data sets are also unique in that they include data for small levels of geography (e.g. Zip Code Tabulation Areas) to allow us to explore poverty at the sub-county level. The 2008-2012 ACS 5-Year Estimates are used to explore trends over time. The main limitations with the 5-Year Estimates is timeliness, whereas the 1-Year Estimates provide the most current data available and a more nuanced look at trends over time.

Due to the differences stated above, poverty statistics from 5-Year Estimates and 1-Year Estimates differ. When referring to the 2013-2017 ACS 5-year data sets, the Travis County poverty rate is 14%, whereas the 2017 ACS 1-Year Estimates indicates the poverty rate is 12%. As a result, the poverty statistics in this report may vary from other Travis County HHS Research & Planning reports (such as the Travis County Snapshot) or other reports released by our partners in the community.

What is poverty?

Within this report, poverty is defined as residents living below 100% of the Poverty Threshold, using the 2017 Poverty Thresholds issued by the Census Bureau. We also include the number and rate of people living below 200% of the Poverty Threshold, which is also an indicator of people who are experiencing an economic hardship. Rates are calculated by dividing the number of people who live within a certain group (e.g. people living below 100% of poverty) by the total number of people in the group (Travis County total population).

2017 Poverty Thresholds		
	100% of Poverty	200% of Poverty
One person	\$12,488	\$24,976
Family of four, including two related children under 18	\$24,858	\$49,716

Source: U.S. Census Bureau

¹ U.S. Census Bureau, Understanding and Using American Community Survey Data: What All Data Users Need to Know, U.S. Government Printing Office, Washington, DC, 2018.

Poverty in Travis County

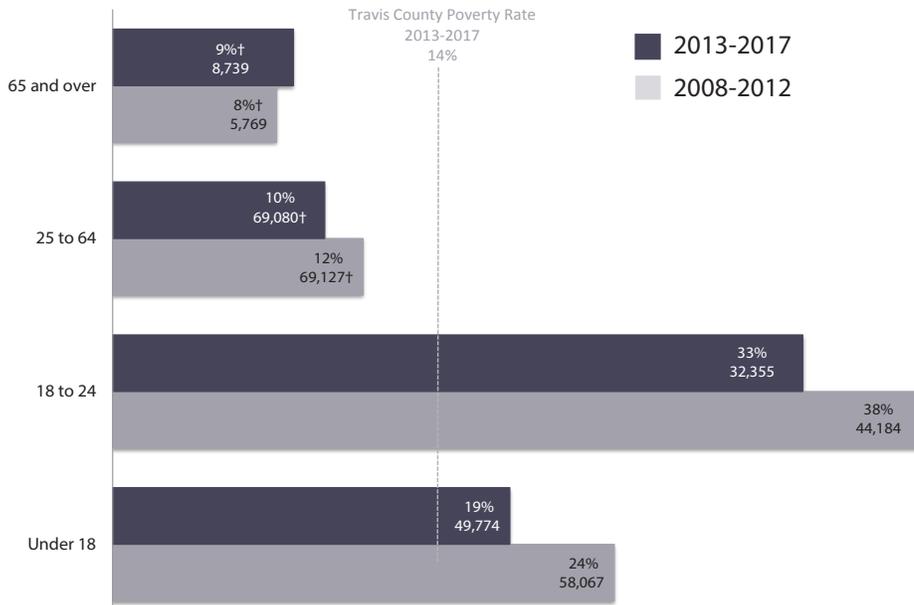


In 2013-2017, **14%** of Travis County residents lived below 100% of poverty.

	Travis County	Texas	United States
Total Population	1,152,639	26,794,198	313,048,563
Number in Poverty	159,948	4,291,384	45,650,345
Poverty Rate	14%	16%	15%

Source data: 2013-2017 American Community Survey, 5-Year Estimates, B17001

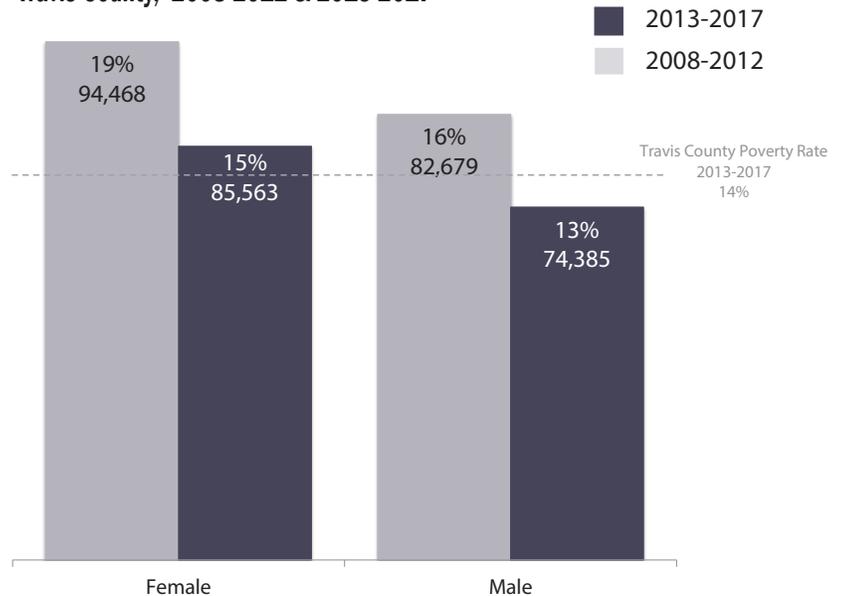
RATE AND NUMBER OF INDIVIDUALS IN POVERTY BY AGE Travis County, 2008-2012 & 2013-2017



18 to 24 year olds (33%) and children under 18 years (19%) have higher poverty rates than the Travis County overall poverty rate.

†The difference between 2008-2012 and 2013-2017 data is not statistically significant.
Source data: 2008-2012 and 2013-2017 American Community Survey, 5-Year Estimates, B17001

RATE AND NUMBER OF INDIVIDUALS IN POVERTY BY SEX Travis County, 2008-2012 & 2013-2017



Females (15%) have a higher poverty rate than the Travis County overall poverty rate.

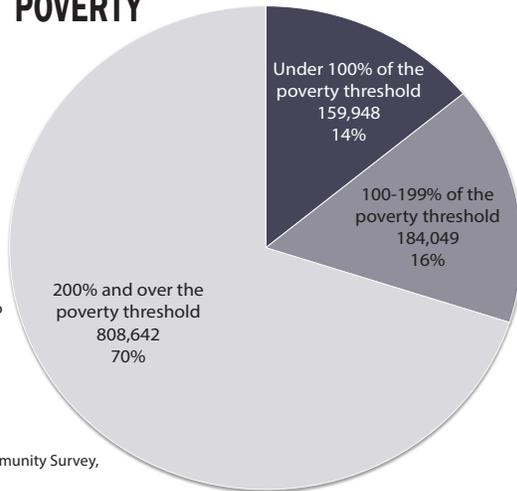
Source data: 2008-2012 and 2013-2017 American Community Survey, 5-Year Estimates, B17001

RATIO OF INCOME TO POVERTY

Travis County, 2013-2017

2017 Poverty Threshold for:
One person
100%: \$12,488
200%: \$24,976

A family of four, including two
children under 18
100%: \$24,858
200%: \$49,716



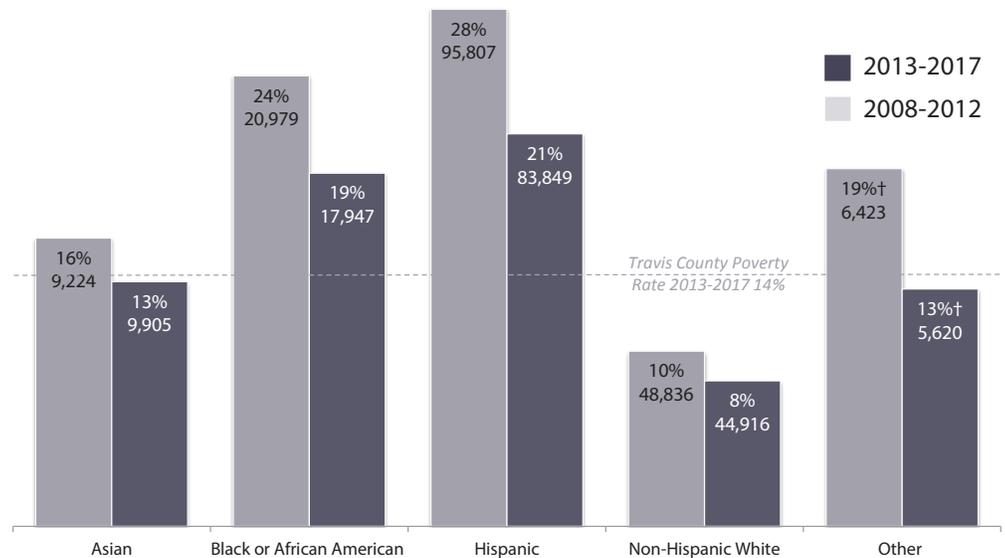
In 2013-2017, **30%** of Travis County residents (343,997 individuals) lived below 200% of the poverty threshold compared to 35% in 2008-2012.

Source data: 2013-2017 American Community Survey, 5-Year Estimates, C17002

RATE AND NUMBER OF INDIVIDUALS IN POVERTY BY RACE

Travis County, 2008-2012 & 2013-2017

Black or African American (19%) and Hispanic (21%) residents have higher poverty rates than the Travis County overall poverty rate.

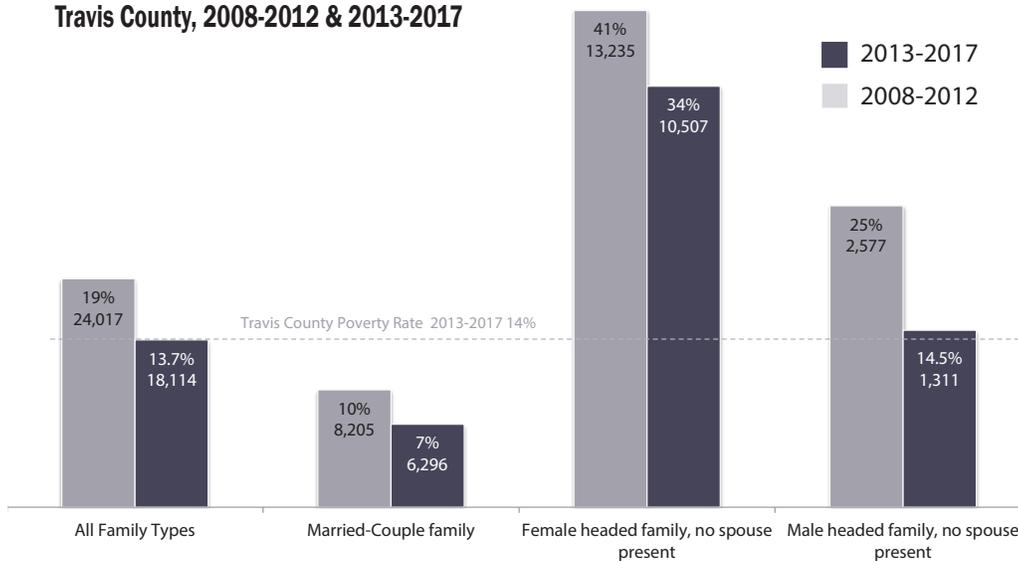


†The difference between 2008-2012 and 2013-2017 data is not statistically significant.

Source data: 2008-2012 and 2013-2017 American Community Survey, 5-Year Estimates, B17001B, B17001C, B17001D, B17001E, B17001G, B17001H, B17001I

RATE AND NUMBER OF FAMILIES WITH CHILDREN IN POVERTY

Travis County, 2008-2012 & 2013-2017



Female headed families with children (34%) have higher poverty rates than the Travis County overall poverty rate.

Source data: 2013-2017 American Community Survey, 5-Year Estimates, B17012

Geographic Concentration of Poverty

Introduction

To explore where poverty is geographically concentrated in Travis County and the surrounding counties, we include maps displaying the percent of individuals living below 200% of the poverty threshold by Zip Code Tabulation Areas (ZCTAs)¹. We use 2008-2012 and 2013-2017 5-Year estimates to view changes over time.

For the purpose of this report, we map data at 200% of poverty because it is more reliable than data at 100% of poverty. We also use ZCTAs because they are larger and more reliable than census tracts. Despite decisions intended to increase the maps reliability, ACS estimates are based on samples and all have a margin of error which increases as the sample size decreases; therefore, a substantial number of the ZCTAs have high margins of error and are unreliable. Unreliable ZCTAs (CVs are greater than 30.5%) are grayed out the map. ZCTAs with estimates that should be used with caution (CV between 15.0% and 30.0%) are not grayed out so we urge readers to use care when analyzing and comparing maps. Data for the maps are included in Appendix C. We also performed tests on the estimates and rates to determine if changes over time were statistical significant and included a map to show which ZCTAs had statistically significant changes. (See page 9).

Highlights & Trends: Travis County and surrounding counties

- ZCTAs with higher rates of poverty continue to be prevalent along, and east of, the I-35 corridor, represented in the map by darker shades of green to blue on pages 7 and 8. Poverty rates have also increased in ZCTAs in eastern areas of Travis County, reaching into neighboring counties.
- Generally, ZCTAs west of the I-35 corridor have lower rates of poverty, represented in the maps by lighter shades of green and yellow on pages 7 and 8.
- Two ZCTAs (78615 and 78633) had *statistically significant increases in the number and rate* of individuals living below 200% of poverty, represented in the map by dark green on page 9. These ZCTAs are mostly within Williamson County.
- Five ZCTAs (76511, 78620, 78666, 78750, 78754) had a *statistically significant increase in the number* of individuals living below 200% of poverty, represented in the maps by light green on page 9. These ZCTAs are in Travis, Williamson, and Hays Counties.
- Twelve ZCTAs (78626, 78644, 78660, 78664, 78701, 78703, 78704, 78721, 78744, 78747, 78753, 78758) had a *statistically significant decrease in the rate* of individuals living below 200% of poverty, represented in the map by dark brown on page 9. Several of these ZCTAs in Travis County such as 78744 and 78741 have been known for higher rates of poverty. These statistically significant decreases deserve further analysis to explore potential factors influencing these changes.
- Eight ZCTAs (78654, 78702, 78728, 78734, 78737, 78741, 78751, 78945) had a *statistically significant decrease in the number and rate* of individuals living below 200% of poverty, represented in the map by light brown on page 9. Some of these ZCTAs, such as 78721 and 78702 have been known for higher rates of poverty. Again, these statistically significant changes deserve further analysis to explore potential factors influencing these changes.

POPULATION AND POVERTY RATES Central Texas Counties, 2013-2017

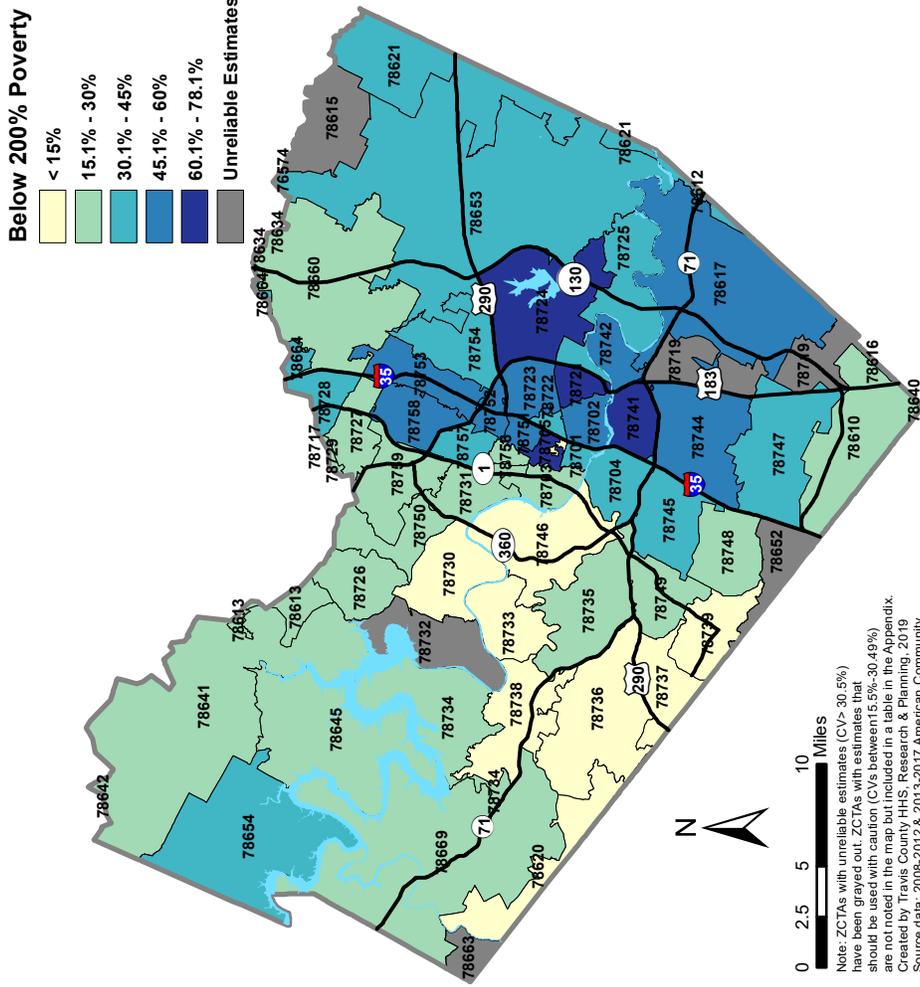
	Number in Poverty	Poverty Rate
Bastrop	10,322	13%
Caldwell	6,819	18%
Hays	28,737	15%
Travis	159,948	14%
Williamson	35,067	7%

Source data: 2013-2017 American Community Survey, 5-Year Estimates, B17001

¹ ZCTAs are approximate area representations of USPS five-digit ZIP Code service areas that the Census Bureau creates using whole blocks to present statistical data from censuses and surveys. The U.S. Census Bureau created the ZCTAs as a statistical geographic entity to overcome more frequent changes to ZIP code areas by the USPS. ZCTAs are relatively stable over time, whereas ZIP Code areas by the USPS change more frequently to support more efficient mail delivery. ZCTAs should not be used to identify the official USPS ZIP Code for mail delivery.

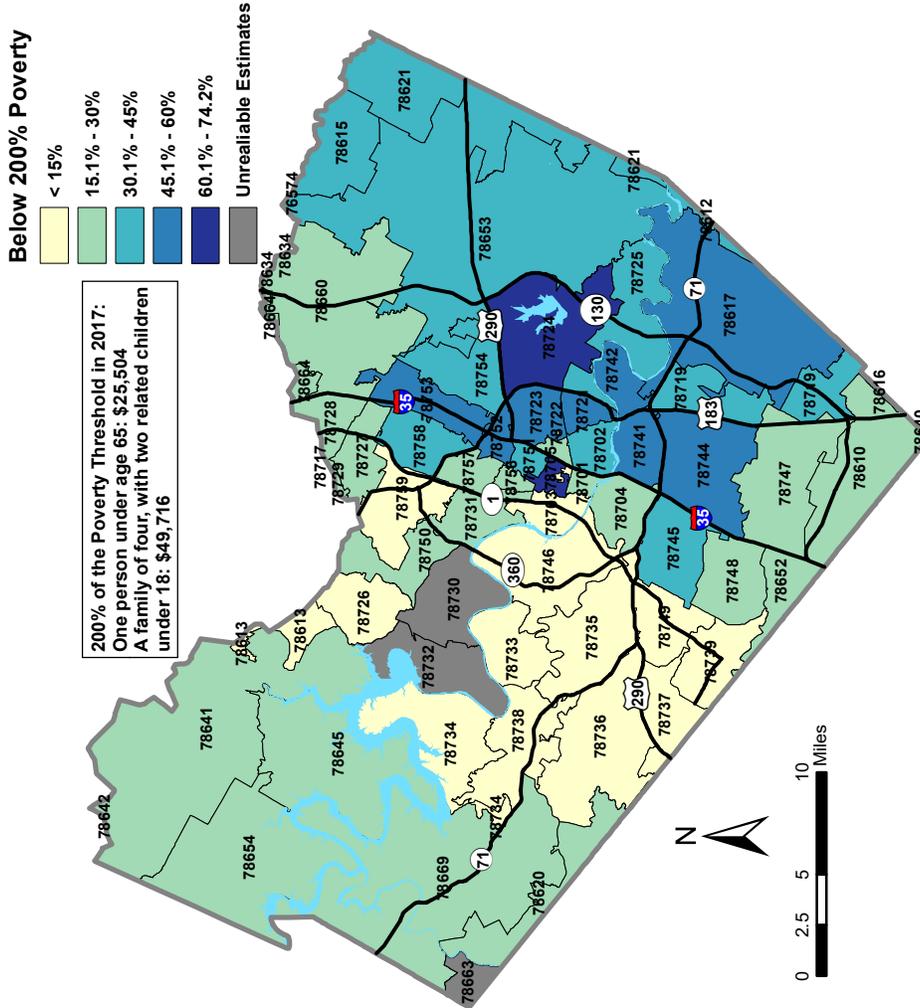
Individuals Living Below 200% of the Poverty Threshold

Zip Code Tabulation Area (ZCTA), Travis County 2008-2012



Individuals Living Below 200% of the Poverty Threshold

Zip Code Tabulation Area (ZCTA), Travis County 2013-2017

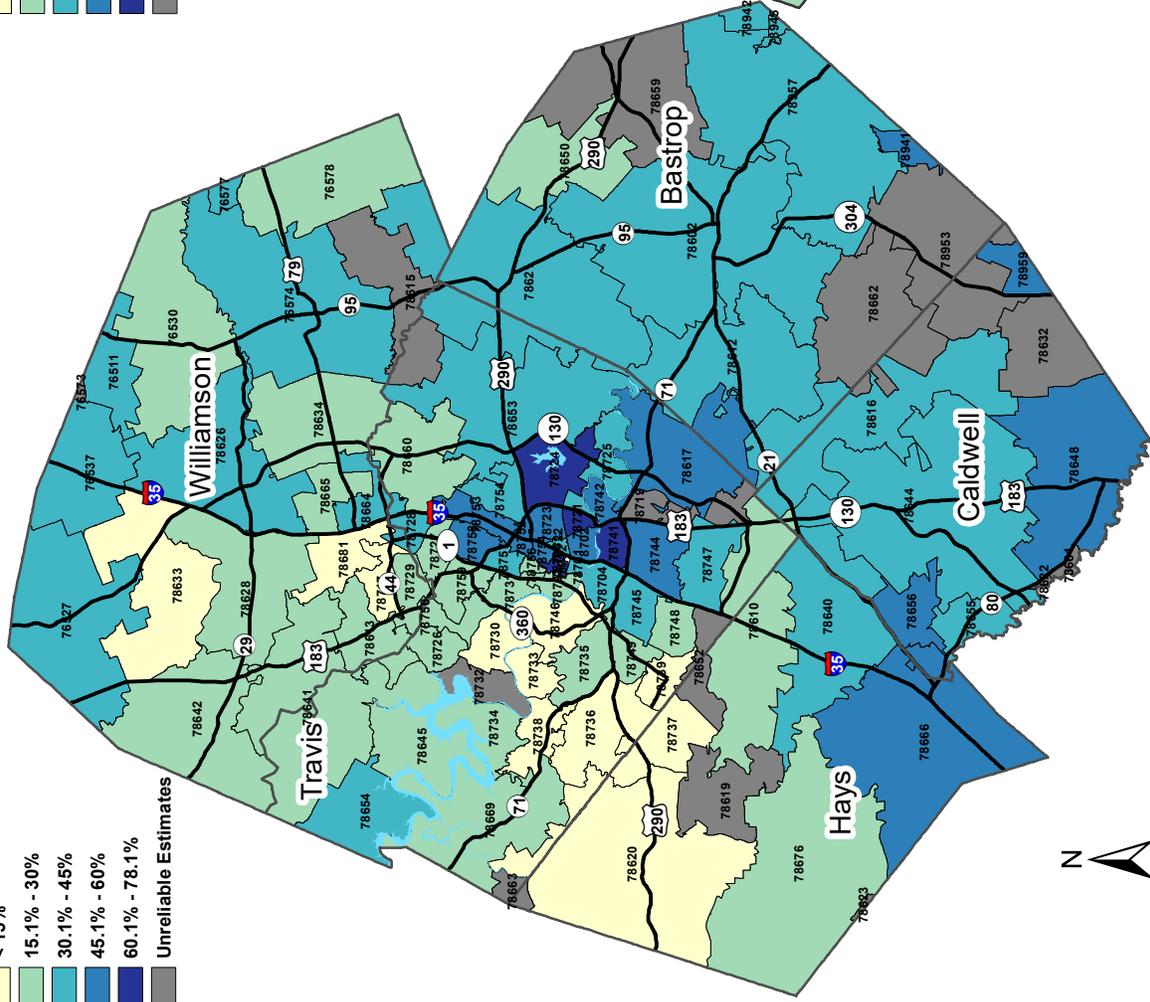
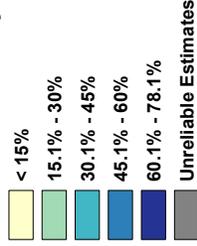


Note: ZCTAs with unreliable estimates (CV > 30.5%) have been grayed out. ZCTAs with estimates that should be used with caution (CVs between 15.5% - 30.49%) are not shaded in this map. HHS Poverty is a geospatial data product of the U.S. Census Bureau. Source date: 2008-2012 & 2013-2017 American Community Survey 5-Year Estimates. C17002. U.S. Census Bureau TIGERLine ZCTA, TNRIS TXDOT Roadways.

Individuals Living Below 200% of the Poverty Threshold

Zip Code Tabulation Area (ZCTA), Central Texas Counties 2008-2012

Below 200% Poverty



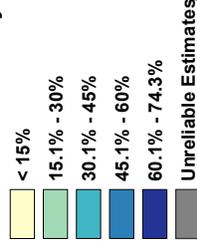
0 5 10 20 Miles

Note: ZCTAs with unreliable estimates (> 30.5%) have been grayed out. ZCTAs with estimates that should be used with caution (CVs between 15.5%-30.45%) are not noted in the map but included in a table below. Created by Travis County HHS, Research & Planning, 2019. Source: Census Bureau, American Community Survey 5-Year Estimates, C1702. U.S. Census Bureau, TIGER/Line ZCTA, TNHRIS TX, DoR, Roadways.

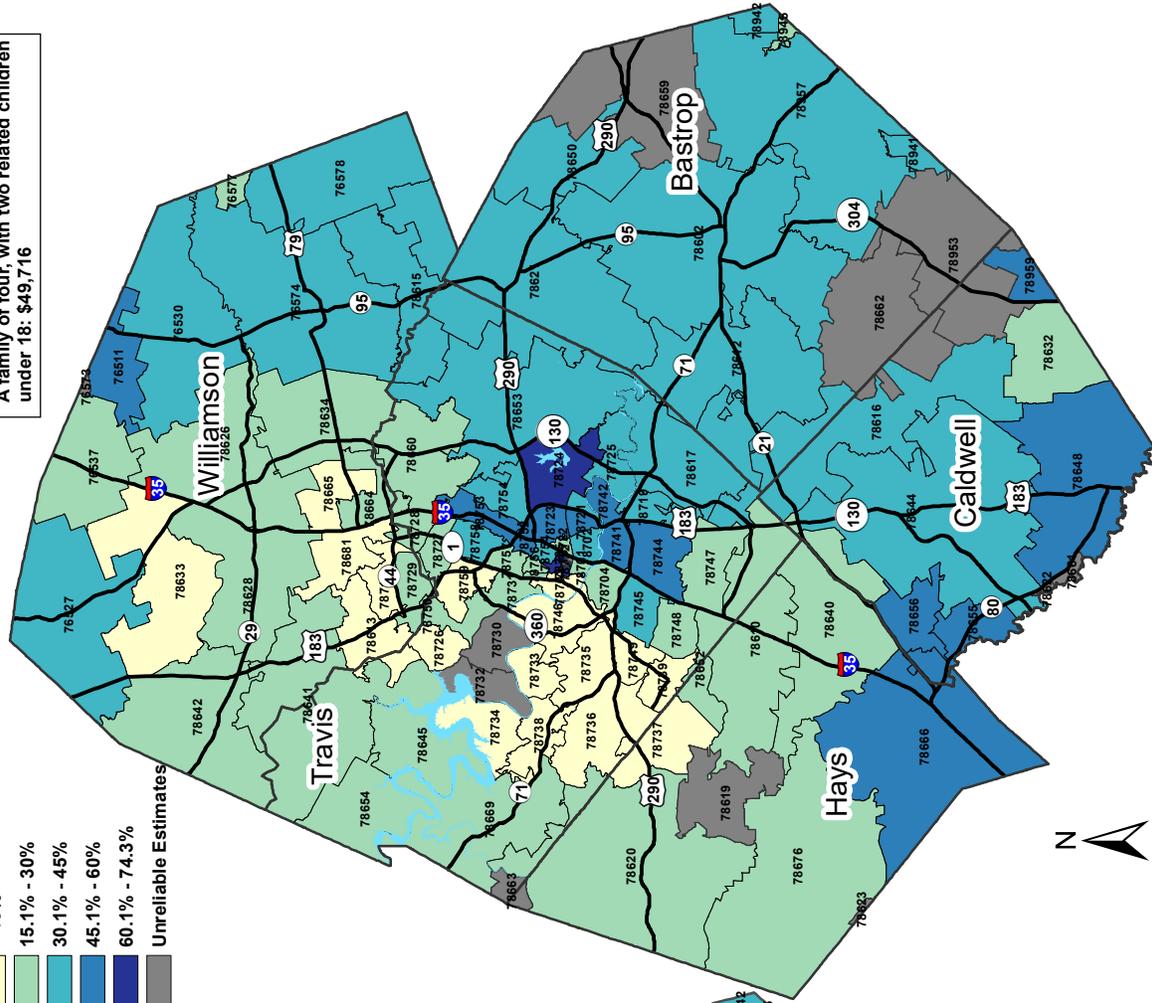
Individuals Living Below 200% of the Poverty Threshold

Zip Code Tabulation Area (ZCTA), Central Texas Counties 2013-2017

Below 200% Poverty



200% of the Poverty Threshold in 2017:
 One person under age 65: \$25,504
 A family of four, with two related children under 18: \$49,716



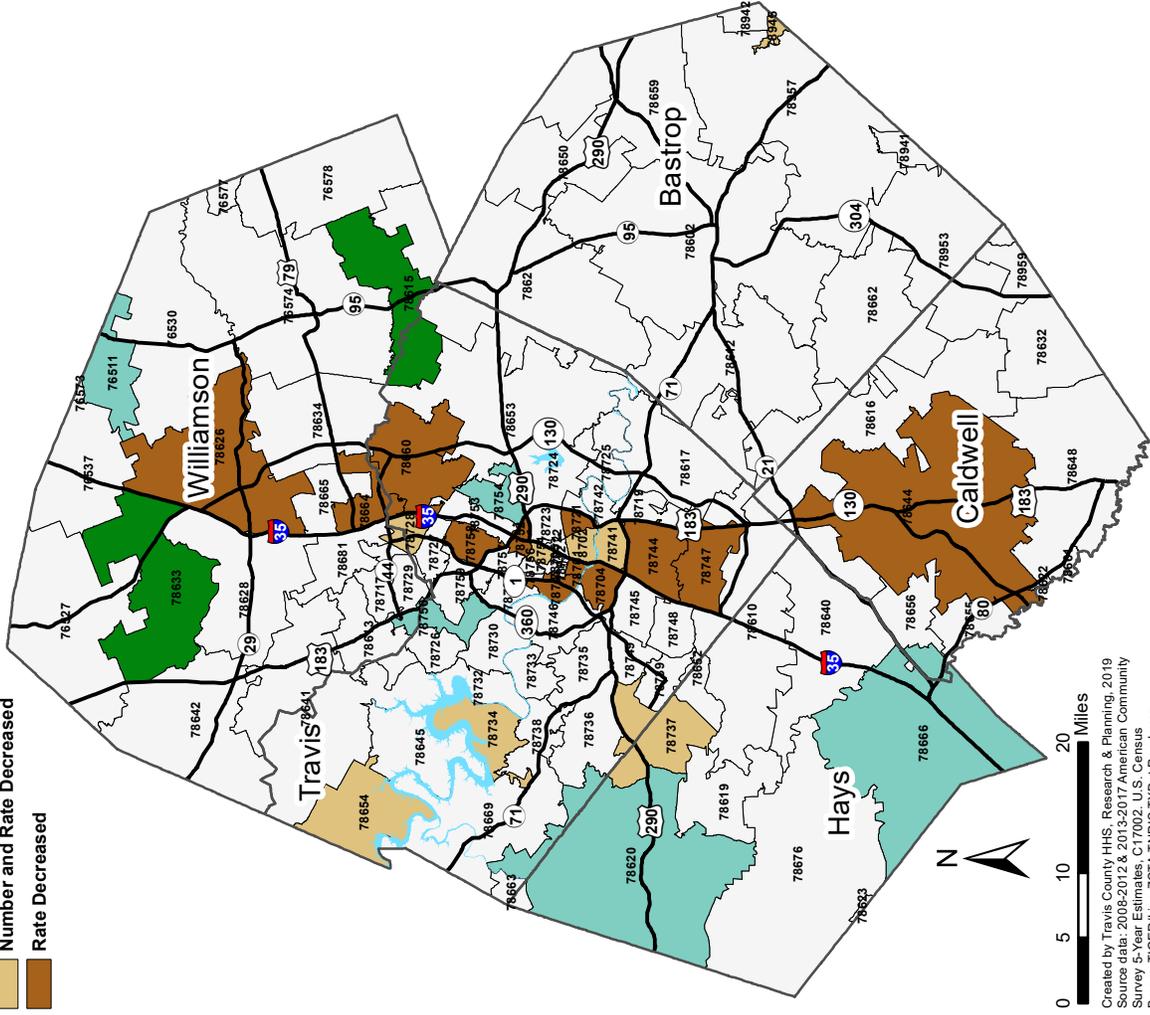
0 5 10 20 Miles

ZCTAs with Statistically Significant Changes Between 2008-2012 & 2013-2017

Zip Code Tabulation Area (ZCTA), Central Texas Counties

Statistically Significant Changes

- Number and Rate Increased
- Number Increased
- Changes Not Statistically Significant
- Number and Rate Decreased
- Rate Decreased



Created by Travis County HHS, Research & Planning, 2019
 Source data: 2008-2012 & 2013-2017 American Community Survey 5-Year Estimates, C17002. U.S. Census Bureau TIGER/Line ZCTA-TNRRIS TXDot Roadways.

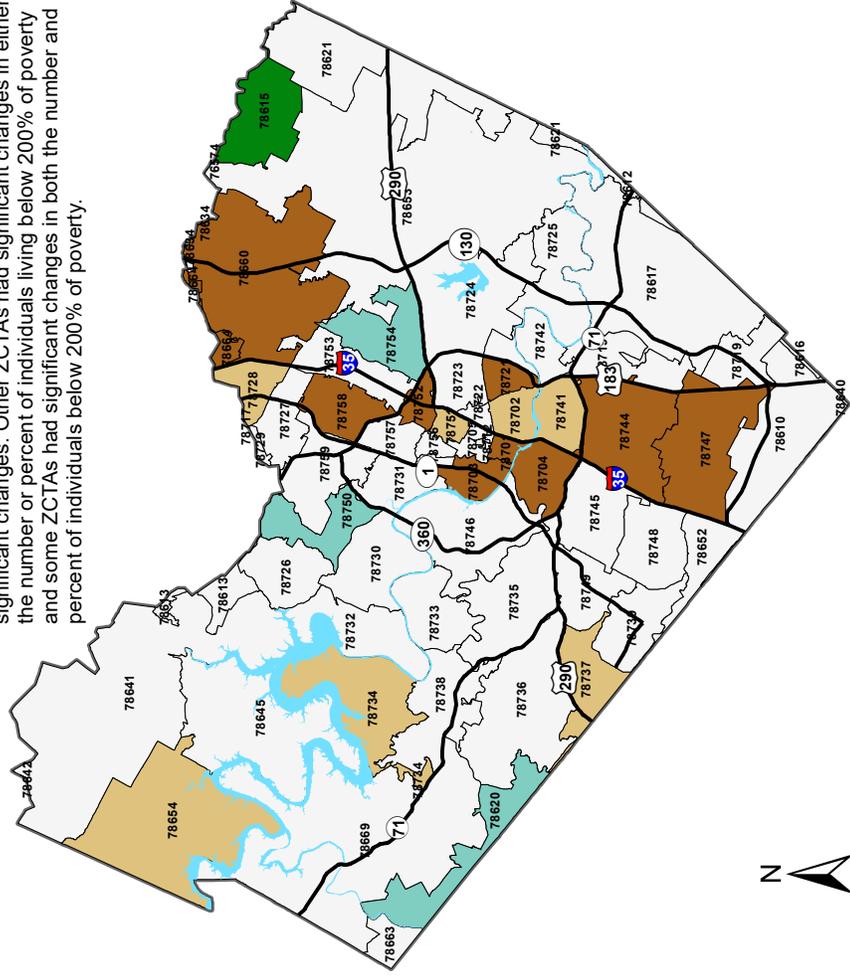
ZCTAs with Statistically Significant Changes Between 2008-2012 & 2013-2017

ZIP Code Tabulation Area (ZCTA), Travis County

Statistically Significant Changes

- Number and Rate Increased
- Number Increased
- Changes Not Statistically Significant
- Number and Rate Decreased
- Rate Decreased

This map highlights ZCTAs with statistically significant changes in the population living below 200% of the Poverty Threshold between 2008-2012 and 2013-2017. ZCTAs in the light gray did not have significant changes. Other ZCTAs had significant changes in either the number or percent of individuals living below 200% of poverty and some ZCTAs had significant changes in both the number and percent of individuals below 200% of poverty.

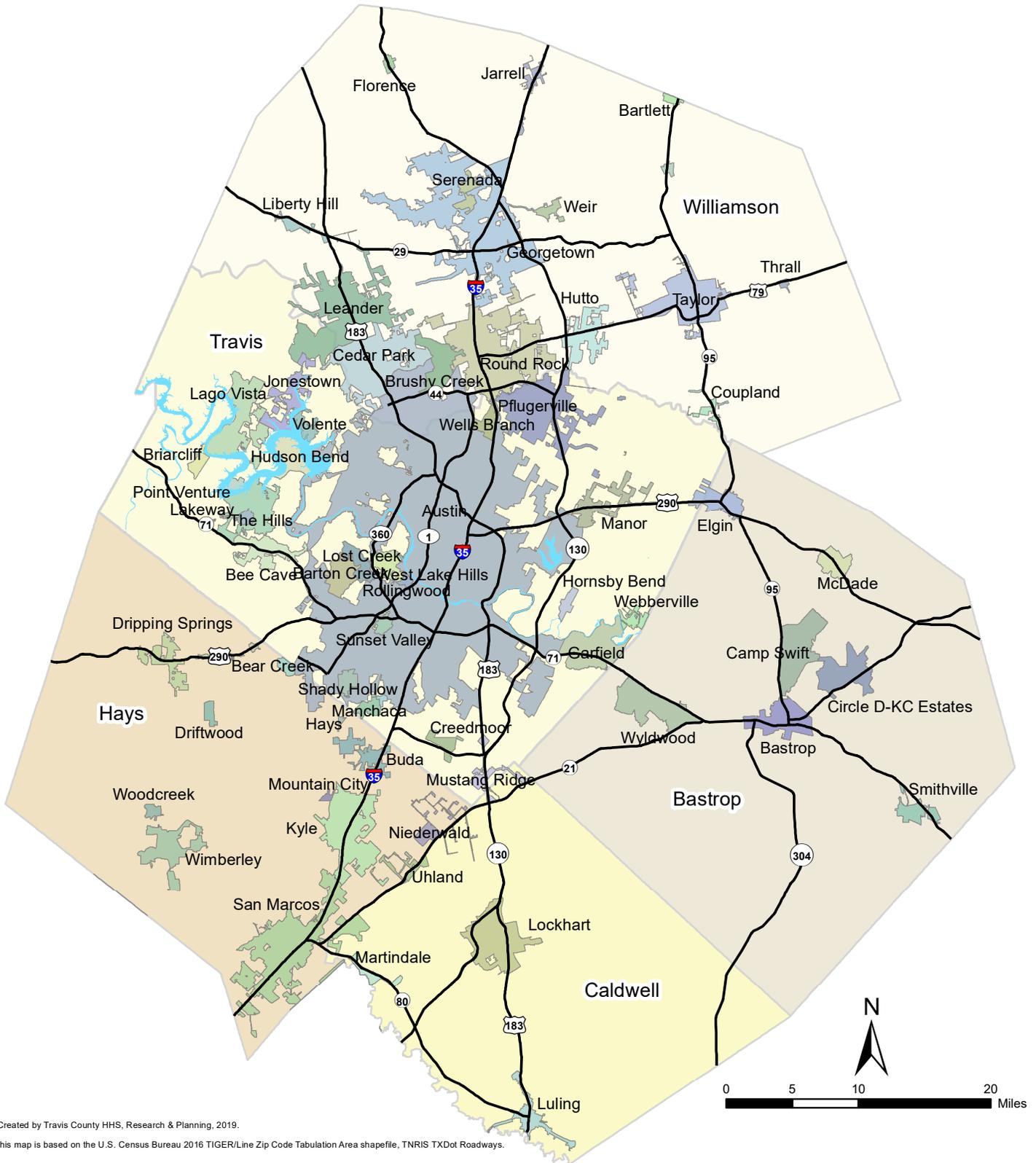


0 2.5 5 10 Miles

Appendix A: Places Map

City and Places Reference Map

Bastrop, Caldwell, Hays, Travis and Williamson Counties



Created by Travis County HHS, Research & Planning, 2019.

This map is based on the U.S. Census Bureau 2016 TIGER/Line Zip Code Tabulation Area shapefile, TNRS TXDot Roadways.

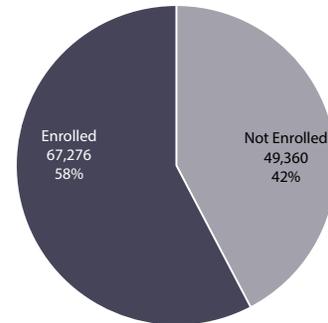
Appendix B: 18-24 Year Olds Demographics

Demographic Characteristics of 18-24 year olds

As shown earlier in the report (see page 4), in 2013-2017 33% of 18 to 24 year olds are in poverty, the highest among all age groups and nearly 20 percentage points above the total Travis County poverty rate (14%). To understand why the 18-24 year old population in Travis County is a data outlier we analyzed 2012-2016 American Community Survey Public Use Microdata Sample (PUMS). The PUMS data shows that school enrollment, housing, and income are contributing factors of 18-24 year olds that are experiencing poverty.

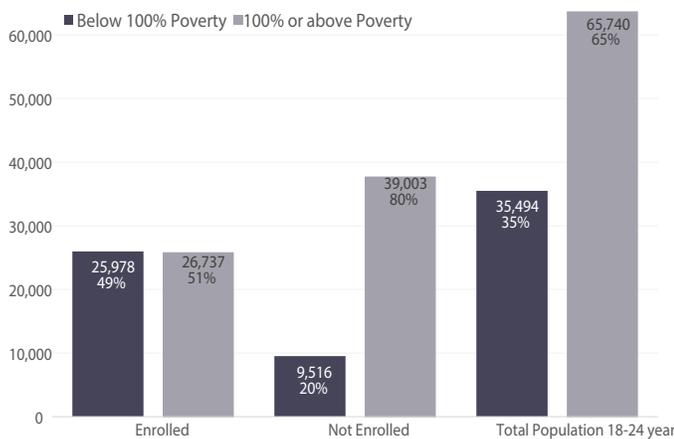
Of the 116,636 18-24 year olds that reside in Travis County, 58% of this age cohort is enrolled in school.¹ The majority, 73%, of this age cohort that is living below 100% of the poverty threshold is enrolled in school. 62% of 18-24 year olds experiencing poverty are enrolled students living in non-family households.

18-24 year olds by School Enrollment
Total Population of 18-24 year olds, n = 116,636



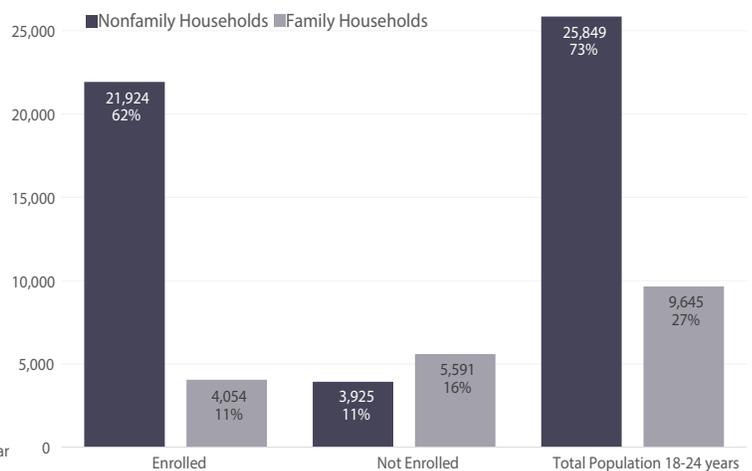
Source: 2012-2016 American Community Survey (ACS) Public Use Microdata Sample (PUMS), Agep, Sch

Poverty Levels by School Enrollment for 18-24 year olds
18-24 year old population for whom poverty status is determined, n = 101,234



Source: 2012-2016 American Community Survey (ACS) Public Use Microdata Sample (PUMS), Agep, Sch, Povpip

18-24 year olds Living in Poverty by Household Type and School Enrollment
18-24 year old population living below 100% poverty, n = 35,494



Source: 2012-2016 American Community Survey (ACS) Public Use Microdata Sample (PUMS), Povpip, Agep, Sch, Hht

The poverty status of individuals residing in a non-family household is determined by personal income. Currently, an individual living at 100% of the poverty threshold earns an income of \$12,140/year.² The average income for 18-24 year olds not enrolled in school is \$19,294, more than three times the average income of 18-24 year olds enrolled in school.³

Average Income of 18-24 year olds by School Enrollment



Source: 2012-2016 American Community Survey (ACS) Public Use Microdata Sample (PUMS), Agep, Wagp

1 Based on the ACS question: At any time in the last 3 months, has this person attended school or college?
 2 U.S. Department of Health & Human Services. (2017). Poverty Guidelines. <https://aspe.hhs.gov/poverty-guidelines>
 3 Based on ACS Question: What was your total income during the past 12 months?

Appendix B: Data Tables by ZCTA

Total Population and Population Below 200% of the Poverty Threshold
Zip Code Tabulation Area (ZCTA), Travis County, 2008-2012 & 2013-2017

ZCTA	Total Population					Population below 200% of the Poverty Threshold					Statistically Significant Changes Between 200% Poverty Rates
	2008-2012 Estimate	2013-2017 Estimate	Difference between Total Population Estimates	Statistically Significant Changes Between Population Estimates	2008-2012 Estimate	2013-2017 Estimate	Difference between 200% Poverty Estimates	Statistically Significant Changes Between 200% Poverty Estimates	2008-2012 Rate	2013-2017 Rate	
76511	1,539	1,906	367	Not significant	607	959	352	58%	39%	50%	Not significant
76527	3,633	3,859	226	Not significant	1,115	1,384	269	Not significant	31%	36%	Not significant
76530	2,226	2,050	-176	Not significant	587	721	134	Not significant	26%	35%	Not significant
76537	3,803	4,904	1,101	29%	1,186	1,272	86	Not significant	31%	26%	Not significant
76573	45	22	-23	Not significant	35	4	-31	Not significant	78%	18%	Not significant
76574	17,454	18,417	963	6%	6,902	6,335	-567	Not significant	40%	34%	Not significant
76577	3,468	3,300	-168	Not significant	1,248	989	-259	Not significant	36%	30%	Not significant
76578	1,714	1,422	-292	Not significant	341	472	131	Not significant	20%	33%	Not significant
78602	23,703	25,951	2,248	9%	7,705	9,185	1,480	Not significant	33%	35%	Not significant
78610	24,301	32,507	8,206	34%	5,190	6,634	1,444	Not significant	21%	20%	Not significant
78612	11,424	12,427	1,003	Not significant	3,842	4,824	982	Not significant	34%	39%	Not significant
78613	64,940	77,500	12,560	19%	10,085	10,406	321	Not significant	16%	13%	Not significant
78615	799	927	128	Not significant	90	307	217	241%	11%	33%	98%
78616	6,177	7,504	1,327	Not significant	2,541	2,695	154	Not significant	41%	36%	Not significant
78617	18,560	25,722	7,162	39%	9,218	11,587	2,369	Not significant	50%	45%	Not significant
78619	3,495	4,108	613	Not significant	263	366	103	Not significant	8%	9%	Not significant
78620	14,415	15,276	861	Not significant	1,941	2,742	801	41%	13%	18%	Not significant
78621	21,112	22,045	933	Not significant	6,859	7,341	482	Not significant	32%	33%	Not significant
78622	241	200	-41	Not significant	66	57	-9	Not significant	27%	29%	Not significant
78623	742	781	39	Not significant	32	113	81	Not significant	4%	14%	Not significant

Use estimates and rates highlighted in yellow with caution (CV between 15.5% - 30.49%). Estimates and rates highlighted in red are unreliable (CV is 30.5% or higher)

ZCTA	Total Population						Population below 200% of the Poverty Threshold					
	2008-2012 Estimate	2013-2017 Estimate	Difference between Total Population Estimates	Statistically Significant Changes Between Population Estimates	2008-2012 Estimate	2013-2017 Estimate	Difference between 200% Poverty Estimates	Statistically Significant Changes Between 200% Poverty Estimates	2008-2012 Rate	2013-2017 Rate	Statistically Significant Changes Between 200% Poverty Rates	
78626	25,555	30,584	5,029	20%	9,590	7,925	-1,665	Not significant	38%	26%	-37%	
78628	23,236	30,272	7,036	30%	4,643	5,632	989	Not significant	20%	19%	Not significant	
78632	864	821	-43	Not significant	341	240	-101	Not significant	39%	29%	Not significant	
78633	17,521	24,680	7,159	41%	1,409	3,093	1,684	120%	8%	13%	44%	
78634	22,717	29,718	7,001	31%	4,923	5,811	888	Not significant	22%	20%	Not significant	
78640	41,511	52,471	10,960	26%	14,056	15,580	1,524	Not significant	34%	30%	Not significant	
78641	47,349	59,837	12,488	26%	10,170	11,687	1,517	Not significant	21%	20%	Not significant	
78642	9,079	10,937	1,858	20%	2,173	1,832	-341	Not significant	24%	17%	Not significant	
78644	14,629	16,793	2,164	15%	6,157	5,510	-647	Not significant	42%	33%	-25%	
78645	10,010	10,656	646	Not significant	2,176	1,875	-301	Not significant	22%	18%	Not significant	
78648	7,804	7,541	-263	Not significant	3,836	3,690	-146	Not significant	49%	49%	Not significant	
78650	1,619	1,663	44	Not significant	448	693	245	Not significant	28%	42%	Not significant	
78652	4,608	4,868	260	Not significant	922	836	-86	Not significant	20%	17%	Not significant	
78653	15,646	20,822	5,176	33%	6,721	7,022	301	Not significant	43%	34%	Not significant	
78654	16,672	18,463	1,791	11%	7,037	5,090	-1,947	-28%	42%	28%	-42%	
78655	3,684	3,415	-269	Not significant	1,441	1,747	306	Not significant	39%	51%	Not significant	
78656	2,422	2,513	91	Not significant	1,448	1,378	-70	Not significant	60%	55%	Not significant	
78659	2,799	3,136	337	Not significant	726	933	207	Not significant	26%	30%	Not significant	
78660	70,022	85,034	15,012	21%	18,257	17,080	-1,177	Not significant	26%	20%	-26%	
78661	260	411	151	Not significant	154	124	-30	Not significant	59%	30%	Not significant	
78662	2,732	2,485	-247	Not significant	832	615	-217	Not significant	30%	25%	Not significant	
78663	783	913	130	Not significant	144	214	70	Not significant	18%	23%	Not significant	
78664	54,410	60,933	6,523	12%	17,602	16,216	-1,386	Not significant	32%	27%	-19%	
78665	33,130	46,003	12,873	39%	5,209	6,694	1,485	Not significant	16%	15%	Not significant	
78666	56,568	70,418	13,850	24%	29,543	36,257	6,714	23%	52%	51%	Not significant	

Use estimates and rates highlighted in yellow with caution (CV between 15.5% - 30.49%). Estimates and rates highlighted in red are unreliable (CV is 30.5% or higher)

ZCTA	Total Population						Population below 200% of the Poverty Threshold					
	2008-2012 Estimate	2013-2017 Estimate	Difference between Total Population Estimates	Statistically Significant Changes Between Population Estimates	2008-2012 Estimate	2013-2017 Estimate	Difference between 200% Poverty Estimates	Statistically Significant Changes Between 200% Poverty Estimates	2008-2012 Rate	2013-2017 Rate	Statistically Significant Changes Between 200% Poverty Rates	
78669	8,675	11,340	2,665	31%	1,652	1,873	221	Not significant	19%	17%	Not significant	
78676	12,074	13,093	1,019	Not significant	2,784	2,417	-367	Not significant	23%	18%	Not significant	
78681	53,076	56,968	3,892	7%	7,785	8,031	246	Not significant	15%	14%	Not significant	
78701	5,445	7,723	2,278	42%	1,722	1,429	-293	Not significant	32%	19%	-52%	
78702	20,456	22,399	1,943	9%	11,320	9,493	-1,827	-16%	55%	42%	-27%	
78703	19,831	20,747	916	Not significant	3,805	3,012	-793	Not significant	19%	15%	-28%	
78704	40,562	45,728	5,166	13%	14,446	13,592	-854	Not significant	36%	30%	-18%	
78705	20,298	20,482	184	Not significant	15,850	15,213	-637	Not significant	78%	74%	Not significant	
78712	0	0	0	Not significant	0	0	0	Not significant	0%	0%	0	
78717	23,422	27,710	4,288	18%	2,148	2,653	505	Not significant	9%	10%	Not significant	
78719	1,519	2,007	488	32%	881	890	9	Not significant	58%	44%	Not significant	
78721	11,113	12,346	1,233	11%	6,994	5,968	-1,026	Not significant	63%	48%	-26%	
78722	5,775	7,018	1,243	22%	2,047	1,953	-94	Not significant	35%	28%	Not significant	
78723	30,748	32,978	2,230	7%	15,666	15,500	-166	Not significant	51%	47%	Not significant	
78724	20,432	23,789	3,357	16%	13,053	14,501	1,448	Not significant	64%	61%	Not significant	
78725	6,466	7,481	1,015	Not significant	2,347	3,270	923	Not significant	36%	44%	Not significant	
78726	12,333	14,300	1,967	16%	2,147	2,097	-50	Not significant	17%	15%	Not significant	
78727	28,419	28,971	552	Not significant	6,884	6,087	-797	Not significant	24%	21%	Not significant	
78728	20,939	21,163	224	Not significant	7,491	5,423	-2,068	-28%	36%	26%	-33%	
78729	28,046	29,335	1,289	Not significant	6,157	5,658	-499	Not significant	22%	19%	Not significant	
78730	8,298	8,933	635	Not significant	677	476	-201	Not significant	8%	5%	Not significant	
78731	24,640	27,345	2,705	11%	4,458	4,113	-345	Not significant	18%	15%	Not significant	
78732	14,280	17,747	3,467	24%	1,231	1,449	218	Not significant	9%	8%	Not significant	
78733	9,486	8,754	-732	Not significant	814	964	150	Not significant	9%	11%	Not significant	
78734	17,763	18,627	864	Not significant	3,912	2,297	-1,615	-41%	22%	12%	-56%	
78735	16,692	17,606	914	Not significant	3,553	2,632	-921	Not significant	21%	15%	Not significant	

Use estimates and rates highlighted in yellow with caution (CV between 15.5% - 30.49%). Estimates and rates highlighted in red are unreliable (CV is 30.5% or higher)

ZCTA	Total Population					Population below 200% of the Poverty Threshold					
	2008-2012 Estimate	2013-2017 Estimate	Difference between Total Population Estimates	Statistically Significant Changes Between Population Estimates	2008-2012 Estimate	2013-2017 Estimate	Difference between 200% Poverty Estimates	Statistically Significant Changes Between 200% Poverty Estimates	2008-2012 Rate	2013-2017 Rate	Statistically Significant Changes Between 200% Poverty Rates
78736	6,734	8,086	1,352	20%	554	558	4	Not significant	8%	7%	Not significant
78737	12,869	15,849	2,980	23%	1,439	870	-569	-40%	11%	5%	-68%
78738	12,457	15,724	3,267	26%	922	1,199	277	Not significant	7%	8%	Not significant
78739	16,886	20,174	3,288	19%	643	839	196	Not significant	4%	4%	Not significant
78741	48,046	52,160	4,114	9%	33,681	29,771	-3,910	-12%	70%	57%	-20%
78742	901	507	-394	-44%	524	261	-263	Not significant	58%	51%	Not significant
78744	43,362	48,238	4,876	11%	25,772	24,749	-1,023	Not significant	59%	51%	-15%
78745	54,706	62,056	7,350	13%	19,344	20,547	1,203	Not significant	35%	33%	Not significant
78746	26,835	28,151	1,316	5%	2,530	3,039	509	Not significant	9%	11%	Not significant
78747	13,960	20,657	6,697	48%	5,320	5,080	-240	Not significant	38%	25%	-43%
78748	40,225	48,935	8,710	22%	10,836	11,716	880	Not significant	27%	24%	Not significant
78749	34,263	37,245	2,982	9%	5,609	4,871	-738	Not significant	16%	13%	Not significant
78750	26,979	30,608	3,629	13%	4,131	5,760	1,629	39%	15%	19%	Not significant
78751	14,248	14,935	687	Not significant	6,412	4,785	-1,627	-25%	45%	32%	-34%
78752	17,133	20,289	3,156	18%	9,807	10,467	660	Not significant	57%	52%	Not significant
78753	52,073	58,292	6,219	12%	30,242	29,747	-495	Not significant	58%	51%	-13%
78754	13,554	23,821	10,267	76%	4,339	7,510	3,171	73%	32%	32%	Not significant
78756	8,027	8,298	271	Not significant	1,451	1,373	-78	Not significant	18%	17%	Not significant
78757	22,539	23,889	1,350	Not significant	7,148	6,613	-535	Not significant	32%	28%	Not significant
78758	44,811	46,163	1,352	Not significant	22,602	19,789	-2,813	Not significant	50%	43%	-16%
78759	39,582	41,571	1,989	5%	6,424	5,962	-462	Not significant	16%	14%	Not significant
78941	2,786	2,720	-66	Not significant	1,384	1,042	-342	Not significant	50%	38%	Not significant
78942	7,791	8,009	218	Not significant	3,166	3,238	72	Not significant	41%	40%	Not significant
78945	10,553	9,917	-636	Not significant	3,709	2,454	-1,255	-34%	35%	25%	-35%
78953	861	874	13	Not significant	291	251	-40	Not significant	34%	29%	Not significant
78957	8,331	9,190	859	Not significant	3,384	2,815	-569	Not significant	41%	31%	Not significant
78959	1,910	2,047	137	Not significant	1,090	1,084	-6	Not significant	57%	53%	Not significant

Use estimates and rates highlighted in yellow with caution: CV between 15.5% - 30.49%. Estimates highlighted in red are unreliable: CV is 30.5% or higher

Created by Travis County HHS, Research & Planning Division, 2019. Source data: 2008-2012 & 2013-2017 American Community Survey 5-Year Estimates, C17002

Appendix C: Methodology

The American Community Survey (ACS) is a nationwide survey that replaced the long form of the 10-year U.S. Census and collects information on an ongoing basis rather than once every ten years. The survey includes questions about demographic, housing, social and economic characteristics.¹ The ACS employs continuous data collection², with annual results produced at the national, state, city, and county levels as well as smaller geographic areas with a population of 65,000 or greater. In 2010, data based on 5-Year Estimates became available for many small areas (state, county, city, town, place, census tracts and block groups).³

ACS data was primarily retrieved from the American FactFinder. The American FactFinder is a website maintained by the U.S. Census Bureau that provides access to data from several surveys, one of which is the ACS. The American FactFinder is available at: <https://factfinder.census.gov/>.

Definitions of Poverty

Individuals for Whom Poverty Status is Determined: This includes all people except institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 year old (income questions are asked of people age 15 and older, so if someone under age 15 is not living with a family member the Census Bureau does not know their income). Because people whose poverty status is undefined are excluded from Census Bureau poverty tabulations, the total population represented in poverty tables--the poverty universe--is slightly smaller than the overall population.^{4,5}

Income to Poverty Threshold: The ACS provides some data sets by the ratio of income to poverty threshold. The ratio of income to poverty is computed by dividing the total family income by the appropriate poverty threshold for that person's family size and composition. For more information about how the U.S. Census Bureau measures poverty: <https://www.census.gov/topics/income-poverty/poverty.html>

Data Testing

We tested all ACS estimates presented in this supplement at a 90% confidence level for reliability. This test involves calculating the coefficient of variation (CV). The CV uses the margin of error, which gives an idea of the variability of an estimate, to measure the reliability of the estimate. To help interpret the estimate's reliability, we use the following tiered reliability standards which are based on the value of the CV:

- 15.49% and under: Reliable
- 15.5% to 30.49%: Unreliable: use with caution

1 Copies of the ACS questionnaires and instruction guides from 1996 to the present can be found at: <https://www.census.gov/programs-surveys/acs/methodology/questionnaire-archive.html>

2 The ACS collects survey information continuously nearly every day of the year and then aggregates the results over the specified time period, therefore the 5-Year Estimates describe the characteristics of the population over the full 5-Year period. The data collection is spread evenly across the entire period represented so as not to over-represent any particular month or year within the period. ACS estimates do not represent average characteristics over a single calendar year or multiple calendar years. (A Compass for Understanding and Using American Community Survey Data: What State and Local Governments Need to Know, U.S. Census Bureau, February 2009.)

3 More information on the ACS multi-year estimates can be found at: <https://www.census.gov/programs-surveys/acs/guidance/estimates.html>

4 How the Census Bureau Measures Poverty, available at: <https://www.census.gov/topics/income-poverty/poverty/guidance/poverty-measures.html>

5 See American Community Survey/Puerto Rico Community Survey 2017 Subject Definitions, page 109 available at: https://www2.census.gov/programs-surveys/acs/tech_docs/subject_definitions/2017_ACSSubjectDefinitions.pdf?#

- 30.5% and over: Unreliable: do not use

When estimates have a CV 15.5% or higher we used asterisks to note whether estimates should be used with caution (CV is 15.5% - 30.49%) or if the estimates are unreliable (CV is 30.5% or over.) Our decision to publish estimates that are not reliable was driven by the need to 1) provide building blocks representing small subsets of the population for future trend analysis and 2) as much as possible, represent the entirety and diversity of our community. In cases where estimates are not reliable, please draw conclusions with caution.

Any comparisons explicitly highlighted in the narrative text have also been tested for statistical significance and can be assumed to be statistically significant unless stated otherwise. Some notable exceptions where statistical significance was not found or not possible to determine have been footnoted. Testing was not conducted on every possible permutation of comparisons between data presented here, so inferences about statistics and trends should be drawn with caution.

For more information and instruction on testing for reliability and statistical significance, as well as general guidance on how to use American Community Survey data, please see the Compass guides published by the U.S. Census Bureau: <https://www.census.gov/programs-surveys/acs/guidance.html>.

Maps

The maps in this report were created using ARCMAP 10.6 GIS software. TIGER/Line shapefiles⁶ used in the maps were downloaded from the US Census Bureau's website. The TIGER/Line shapefiles contain a standard geographic identifier for each entity that links to the geographic identifier in ACS data downloaded from American FactFinder.

The geography used in this report is ZIP Code Tabulation Areas (ZCTAs). ZCTAs are different from the U.S. Postal Service (USPS) ZIP codes used for mail service. ZCTAs are approximate area representations of USPS five-digit ZIP Code service areas that the Census Bureau creates using whole blocks to present statistical data from censuses and surveys. The U.S. Census Bureau created the ZCTAs as a statistical geographic entity to overcome more frequent changes to ZIP code areas by the USPS. ZCTAs are relatively stable over time, whereas ZIP Code areas by the USPS change more frequently to support more efficient mail delivery. ZCTAs should not be used to identify the official USPS ZIP Code for mail delivery.⁷ Some ZCTA labels are repeated in the maps due to irregular ZCTA shapes.

Limitations: There are limitations with using ZCTAs rather than census tracts, which are small, relatively permanent statistical subdivisions of a county that generally have a population between 1,200 and 8,000 people. One limitation includes losing the ability for readers to look at data within smaller, more specific geographic areas than ZCTAs, which are larger in size than census tracts. Other limitations include the fact that ZCTAs may cross County lines, whereas census tracts do not, and data by ZCTAs are only available with 5-Year Estimates, which are less timely than 1-Year Estimates.

Calculations: The rate for each ZCTA is calculated by dividing the number of people in the ZCTA who live below 200% of poverty by the total number of people in the ZCTA. Thus, the rate is the percentage of people living below 200% of Poverty. In this report, rate and percent are used interchangeably.

6 A shapefile is a geospatial data format use in GIS software and generally represent things such as geographic boundaries, landmarks, and rivers.

7 2010 Geographic Terms and Concepts, US Census Bureau, accessed February 20, 2019, <https://www.census.gov/ge/reference/terms.html>