

St. Louis City and County Stimulant-Involved Deaths 2017-2021 (Opioids and stimulants combined AND stimulants with no opioids present)

Key Takeaways

Opioids and Stimulants Combined

- Overall, in St. Louis City and County combined, **opioid and stimulant-involved deaths increased by 18%** in 2021 compared to 2020.
- In St. Louis City, the highest proportional increases were most evident among **White males (+65%) followed by Black males (+44%)**.
- In St. Louis County the highest proportional increases were most evident among **White females (+50%) followed by White males (+20%)**.
- In 2017, 2018, 2019, 2020, **Black males in St. Louis County had the highest rates of opioid and stimulant combined deaths**, and in 2021, **Black males in St. Louis City had the highest rates**.

Stimulants – No Opioids

- Overall, in St. Louis City and County combined, **stimulant-involved deaths (with no evidence of opioids being present) decreased by 3%** in 2021 compared to 2020.
 - The rate of stimulant-involved deaths **decreased in the city but increased in the county** in 2021 compared to 2020.
- In St. Louis City, the total number of stimulant-involved deaths across all groups **decreased by 30%** in 2021 compared to 2020.
 - The largest proportional decreases were most evident among **Black females (-50%) followed by White males (-41%)**.
- In St. Louis County, the total number of stimulant-involved deaths across all races **increased by 48%** in 2021 compared to 2020.
 - The largest proportional increases were most evident among **Black males (+117%) followed by White females (+100%)**.
- From 2017-2021, **Black males in St. Louis City had the highest rates of stimulant-involved deaths** followed by **St. Louis City White males**.

Table 1: Differences in Stimulant-Involved Deaths in St. Louis City 2020-2021

St. Louis City				
	January - December 2020	January - December 2021	Percent Change	Percent Change (by Race)
Opioid and Stimulant-Involved Deaths				
Total (All Races) ^a	75	96	28	
<i>Black Female</i>	16	15	-6.25	28
<i>Black Male</i>	34	49	44.12	
<i>White Female</i>	9	8	-11.11	34.78
<i>White Male</i>	14	23	64.29	
Stimulant-Involved Deaths – No Opioids				
Total (All Races) ^a	82	57	-30.49	
<i>Black Female</i>	16	8	-50	-22.45
<i>Black Male</i>	33	30	-9.09	
<i>White Female</i>	3	2	-33.33	-40.63
<i>White Male</i>	29	17	-41.38	

^a “Total (All Races)” includes races other than just Black and White

Table 2: Differences in Stimulant-Involved Deaths in St. Louis County 2020-2021

St. Louis County				
	January - December 2020	January – December 2021	Percent Change	Percent Change (by Race)
Opioid and Stimulant-Involved Deaths				
Total (All Races)^a	161	183	13.66	
<i>Black Female</i>	20	19	-5	1.27
<i>Black Male</i>	59	61	3.39	
<i>White Female</i>	22	33	50	28.21
<i>White Male</i>	56	67	19.64	
Stimulant-Involved Deaths – No Opioids				
Total (All Races)^a	44	65	47.73	
<i>Black Female</i>	7	6	-14.29	68.42
<i>Black Male</i>	12	26	116.67	
<i>White Female</i>	5	10	100	33.33
<i>White Male</i>	19	22	15.79	

^a “Total (All Races)” includes races other than just Black and White

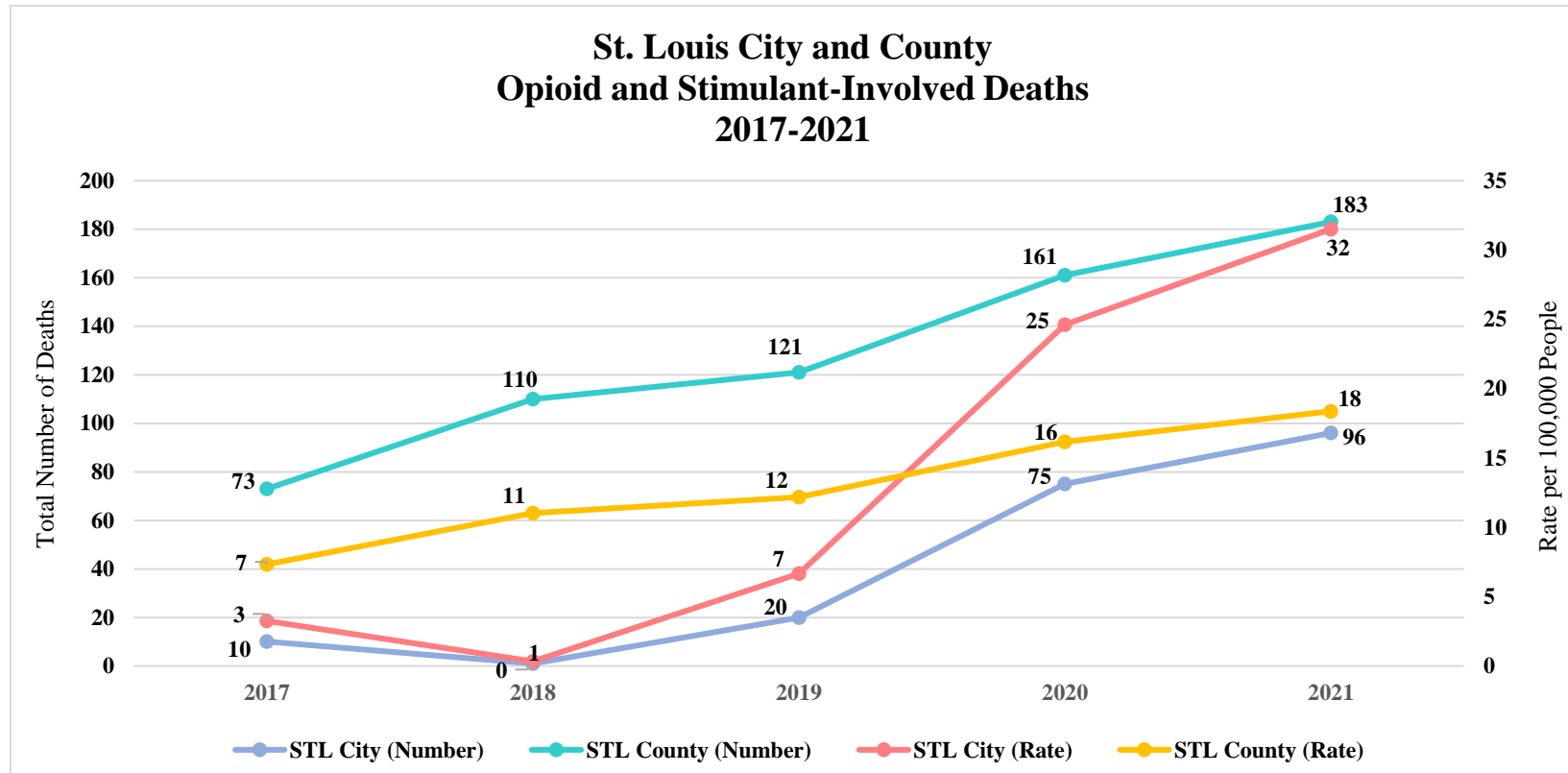
Table 3: Differences in Stimulant-Involved Deaths in St. Louis City and County Combined 2020-2021

St. Louis City and County Combined				
	January - December 2020	January - December 2021	Percent Change	Percent Change (by Race)
Opioid and Stimulant-Involved Deaths				
Total (All Races)^a	236	279	18.22	
<i>Black Female</i>	36	34	-5.56	11.63
<i>Black Male</i>	93	110	18.28	
<i>White Female</i>	31	41	32.26	29.7
<i>White Male</i>	70	90	28.57	
Stimulant-Involved Deaths – No Opioids				
Total (All Races)^a	126	122	-3.17	
<i>Black Female</i>	23	14	-39.13	2.94
<i>Black Male</i>	45	56	24.44	
<i>White Female</i>	8	12	50	-8.93
<i>White Male</i>	48	39	-18.75	

^a “Total (All Races)” includes races other than just Black and White

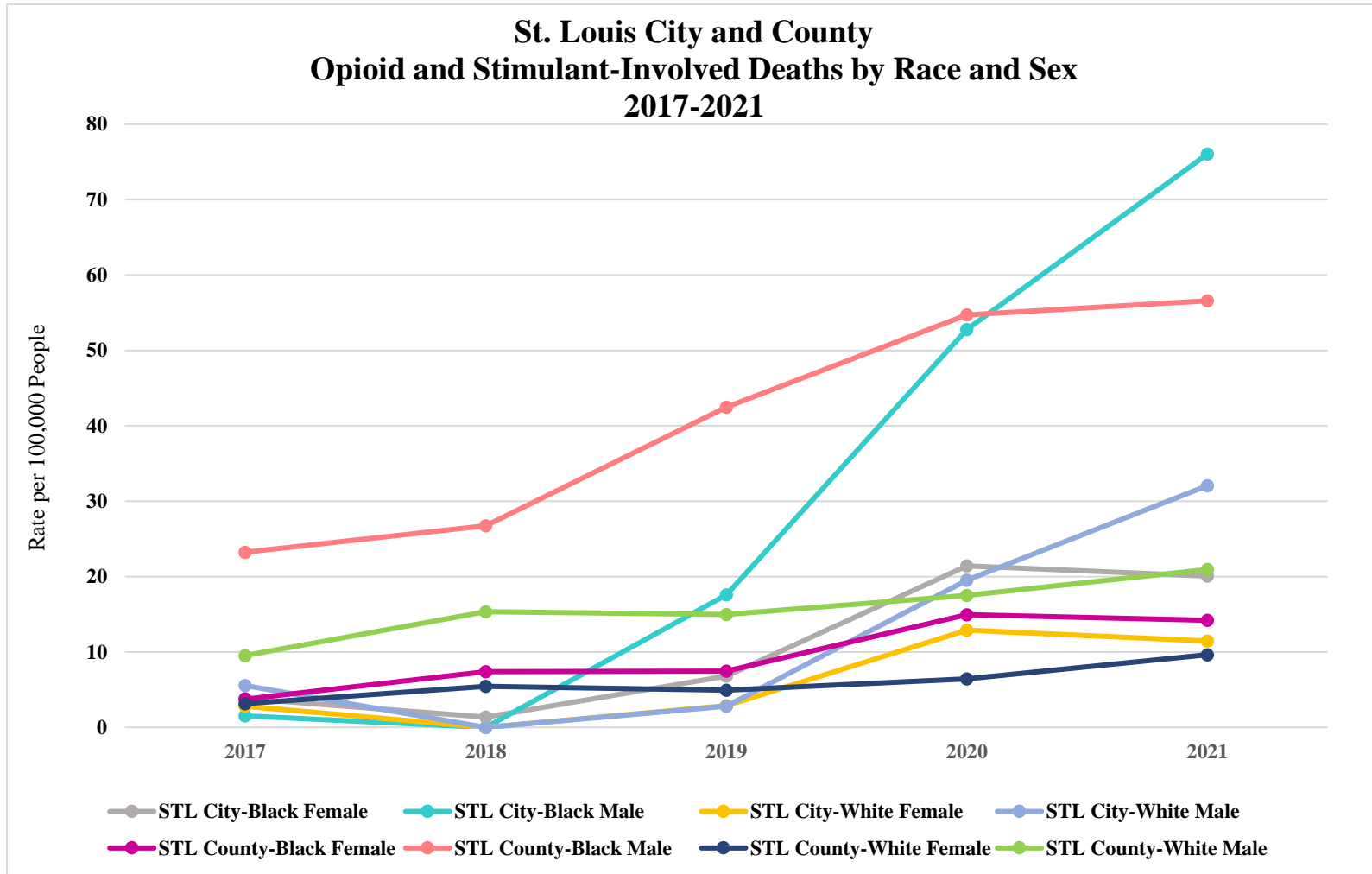
Opioids and Stimulants

Figure 1: Opioid and Stimulant-Involved Deaths by Counts and Rates in St. Louis City and County 2017-2021



- The left-hand vertical axis reflects counts (total number of opioid and stimulant-involved deaths), and the right-hand vertical axis reflects rates (deaths per 100,000 people).
- *Note: 2021 rate calculations are provisional as they are based on ACS 2020 5-Year Estimate Data*

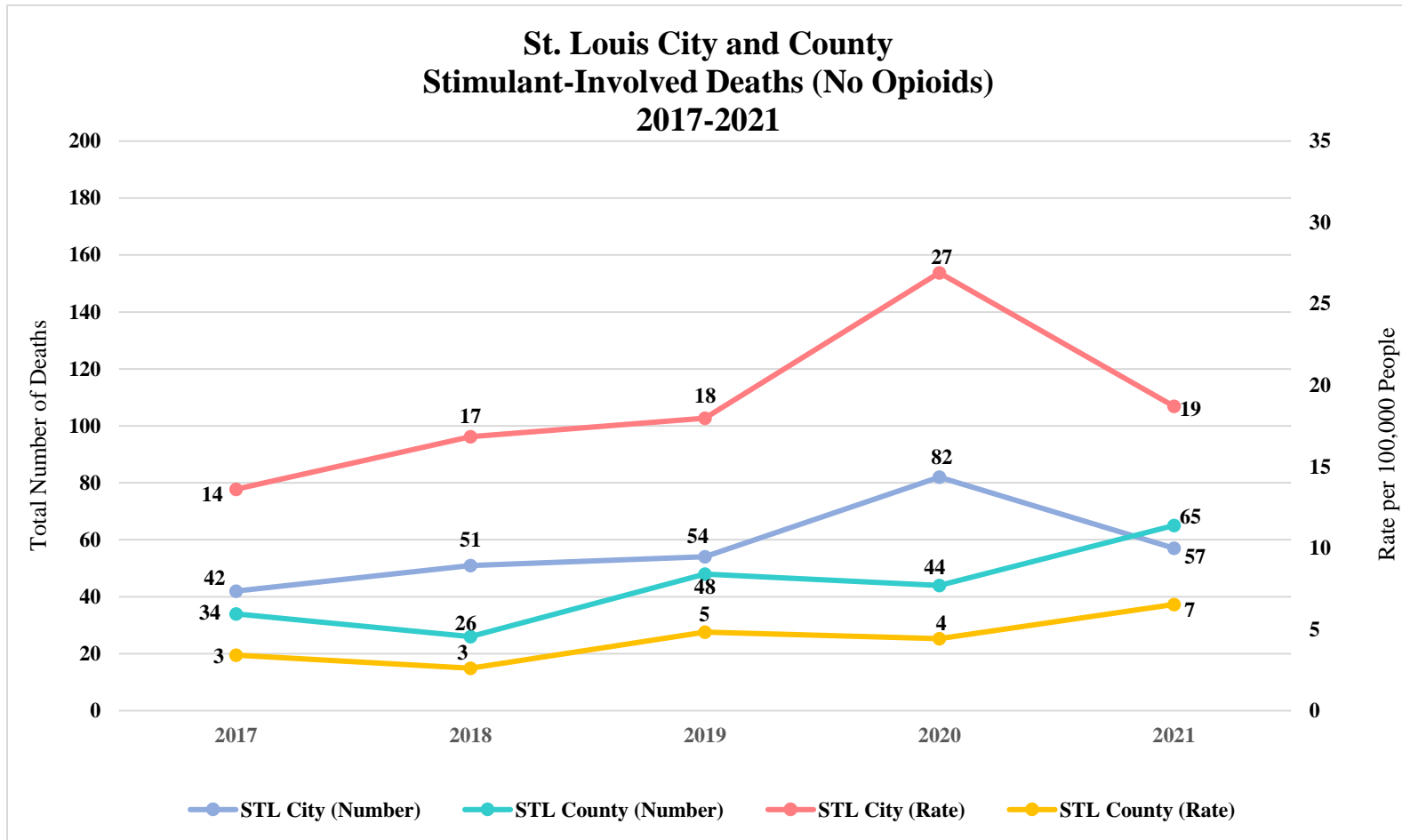
Figure 2: Opioid and Stimulant-Involved Deaths by Race and Sex in St. Louis City and County 2017-2021



▪ Note: 2021 rate calculations are provisional as they are based on ACS 2020 5-Year Estimate Data

Stimulants – No Opioids

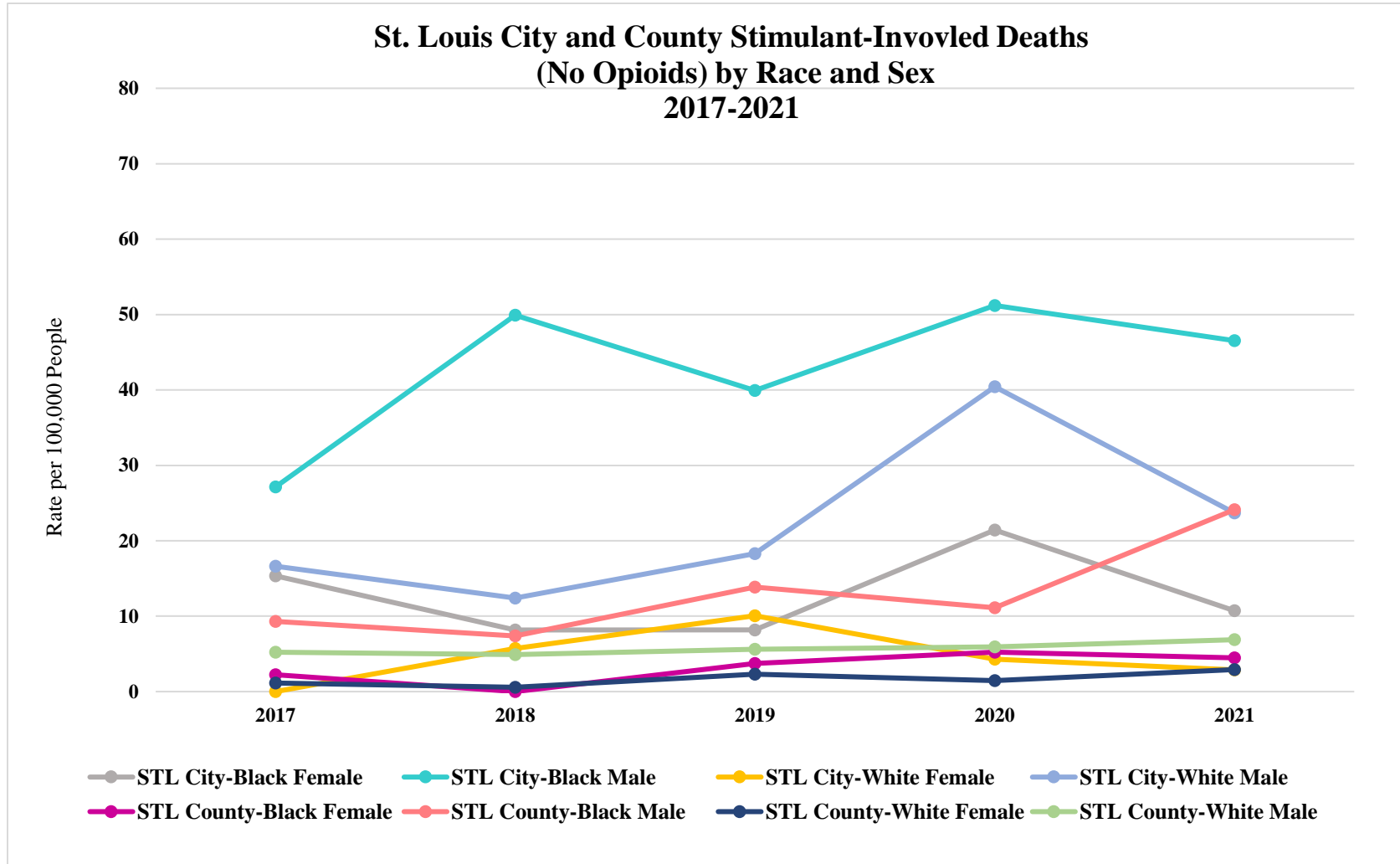
Figure 3: Stimulant-Involved Deaths by Counts and Rates in St. Louis City and County 2017-2021



- The left-hand vertical axis reflects counts (total number of stimulant-involved deaths), and the right-hand vertical axis reflects rates (deaths per 100,000 people).
- *Note: 2021 rate calculations are provisional as they are based on ACS 2020 5-Year Estimate Data*

University of Missouri, St. Louis-Missouri Institute of Mental Health Addiction Science Team, St. Louis City and St. Louis County Medical Examiners. (2022). American Community Survey. (2017-2020). St. Louis City and County Stimulant-Involved Deaths (2017-2021). Retrieved from <https://www.mimhaddisci.org/missouri-overdose-data>

Figure 4: Stimulant-Involved Deaths by Race and Sex in St. Louis City and County 2017-2021



▪ Note: 2021 rate calculations are provisional as they are based on ACS 2020 5-Year Estimate Data