

UNRAVELING POPULATION SHIFTS: EXPLORING THE FUTURE OF THE SAINT LOUIS METROPOLITAN

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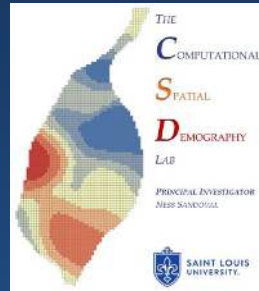
**SAINT LOUIS
UNIVERSITY.**

— EST. 1818 —

DEMOGRAPHY 4 DEMOCRACY

EMPOWERING TOMORROW'S DREAMERS WITH

KNOWLEDGE TODAY



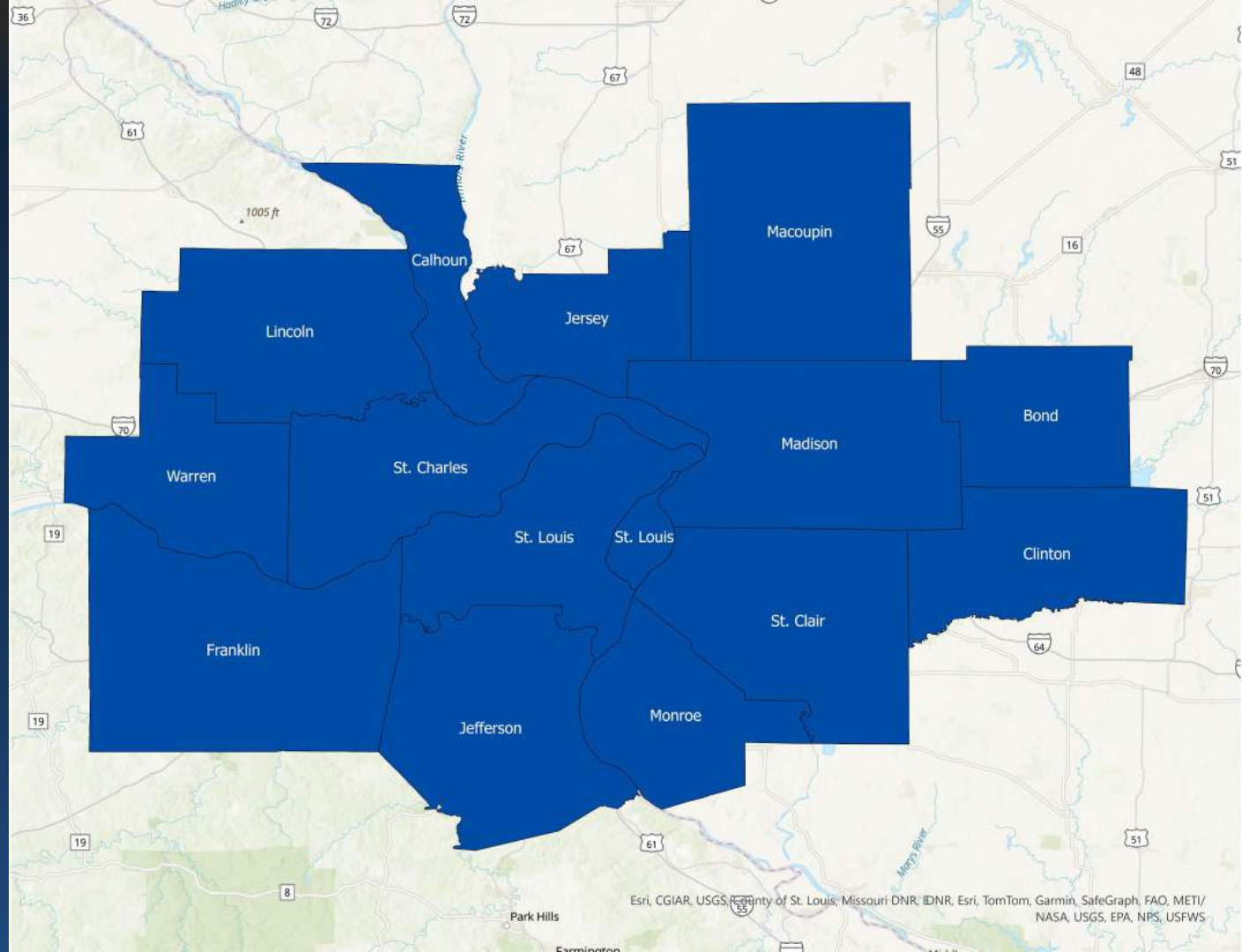
Four Demographic Hurdles Shaping Population Growth

1. **Natural population decline**
2. **Out-migration of residents**
3. **Decreasing Black non-Hispanic population**
4. **Low racial diversity and immigration**



"The fundamental principle of Demography is that demographic transitions are an inevitable aspect of change, persisting irrespective of whether individuals recognize, acknowledge, or *accept* the underlying demographic realities and trends."

15 County Metropolitan Statistical Area



SUCCESS STORIES



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STL 2030 JOBS PLAN

Driving a Decade of Inclusive Growth

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Regional Prosperity Through Immigration and Innovation



Rendering of the future National Geospatial-Intelligence Agency facilities in St. Louis. (McCarthy HITT image)

1. MACRO TRENDS

A. Births and Deaths

The Birth and Death Trends in the U.S. are Expected

Japan's Population Problem Grows, As Its Birth Rate Continues To Slide



Source: Ministry of Health,
Labour and Welfare of Japan

chart*r*

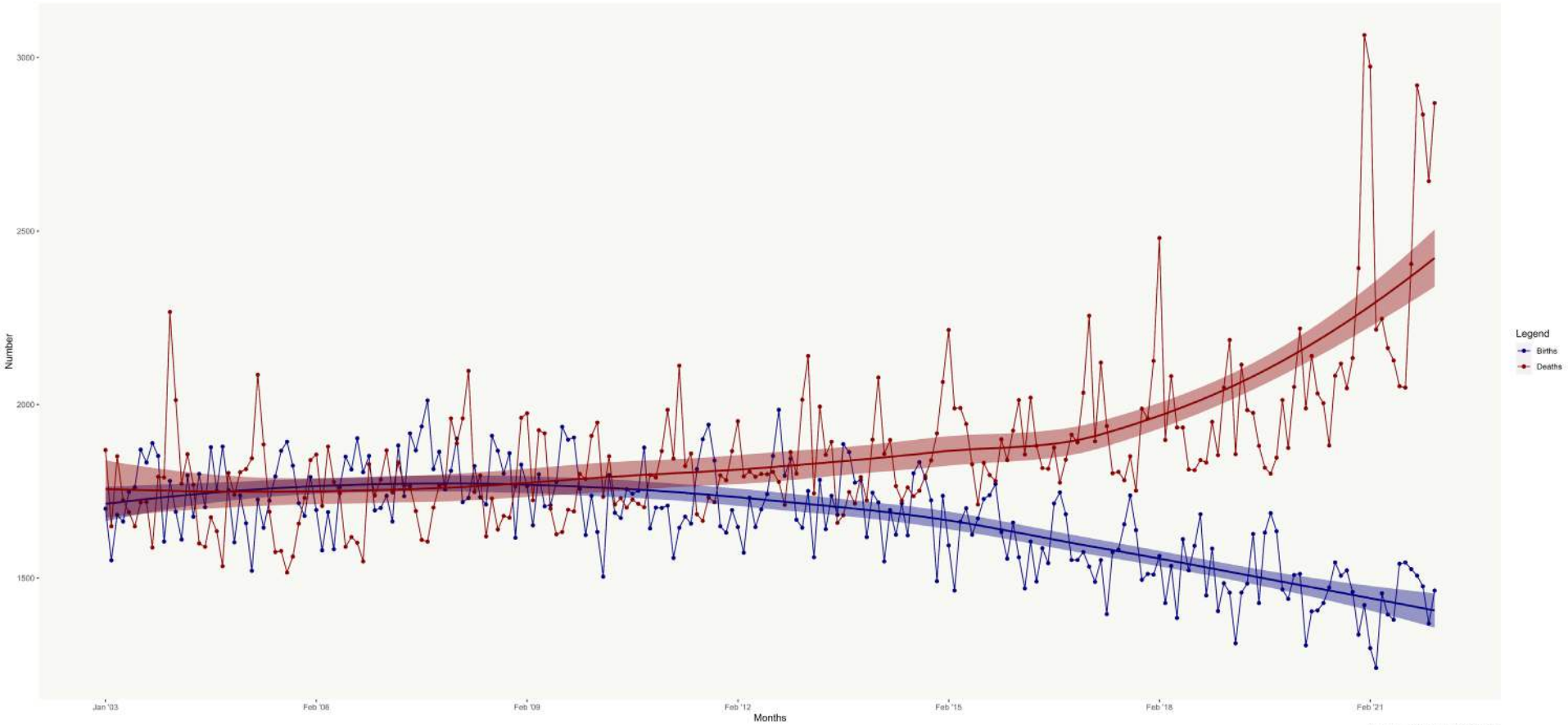
Demographic Winter: A State Profile

2020-2021 Birth and Death Counts

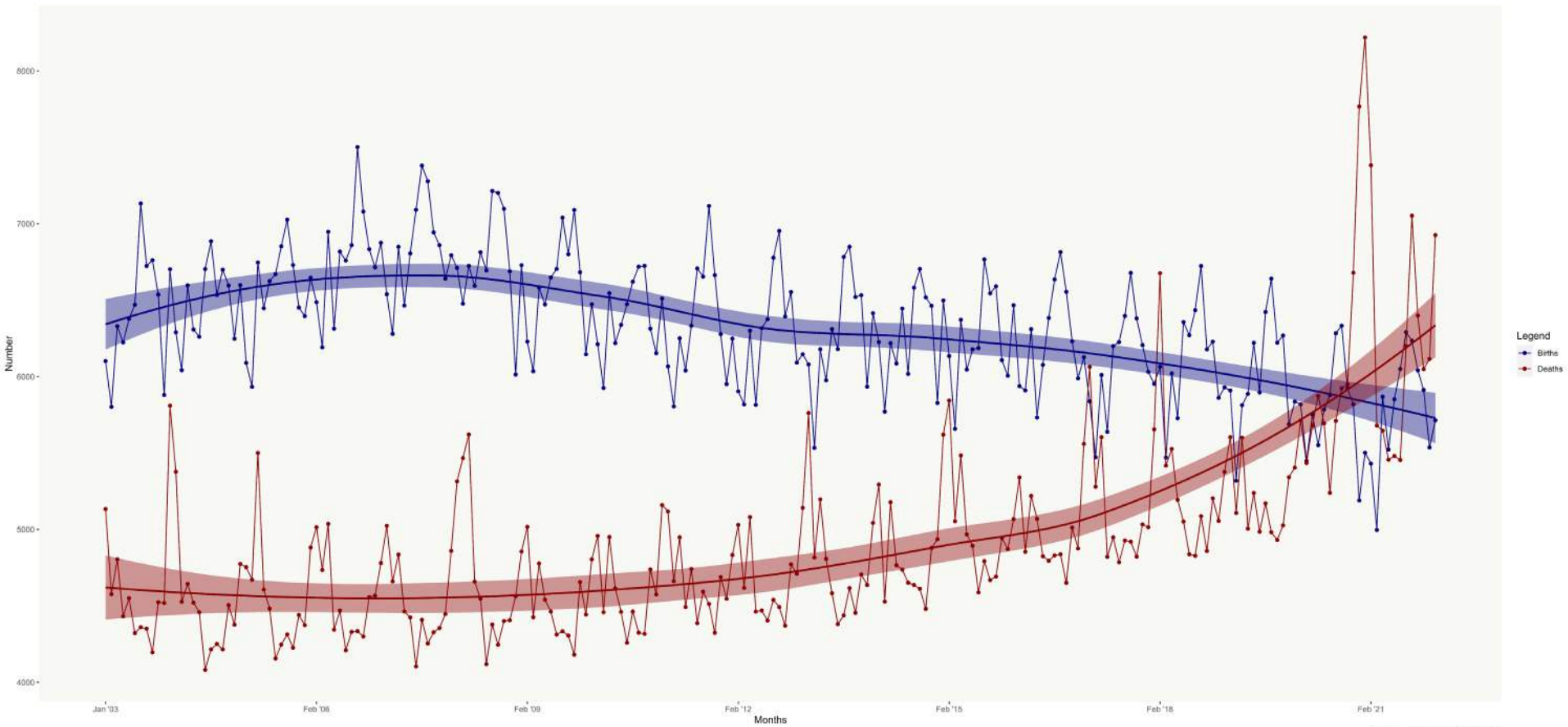
25 States had more Deaths than Births

	State	Births	Deaths	Difference
1	Florida (12)	425,931	501,054	-75,123
2	Pennsylvania (42)	263,315	310,936	-47,621
3	Ohio (39)	258,982	291,335	-32,353
4	Michigan (26)	209,054	234,888	-25,834
5	West Virginia (54)	34,521	55,609	-21,088
6	Alabama (01)	115,701	133,668	-17,967
7	Tennessee (47)	160,406	175,335	-14,929
8	South Carolina (45)	112,889	126,645	-13,756
9	Kentucky (21)	103,882	116,183	-12,301
10	Mississippi (28)	70,629	81,275	-10,646
11	Maine (23)	23,545	33,009	-9,464
12	Missouri (29)	138,738	147,734	-8,996
13	Arkansas (05)	71,216	78,178	-6,962
14	New Mexico (35)	43,294	49,107	-5,813
15	Oregon (41)	80,734	85,209	-4,475
16	New Hampshire (33)	24,416	27,898	-3,482
17	Connecticut (09)	69,130	72,186	-3,056
18	Vermont (50)	10,517	13,336	-2,819
19	Oklahoma (40)	96,033	98,754	-2,721
20	Montana (30)	22,022	24,734	-2,712
21	Rhode Island (44)	20,565	23,062	-2,497
22	Arizona (04)	154,863	157,189	-2,326
23	Delaware (10)	20,874	22,368	-1,494
24	Wisconsin (55)	122,375	123,679	-1,304
25	Wyoming (56)	12,365	12,565	-200

West Virginia Births and Deaths

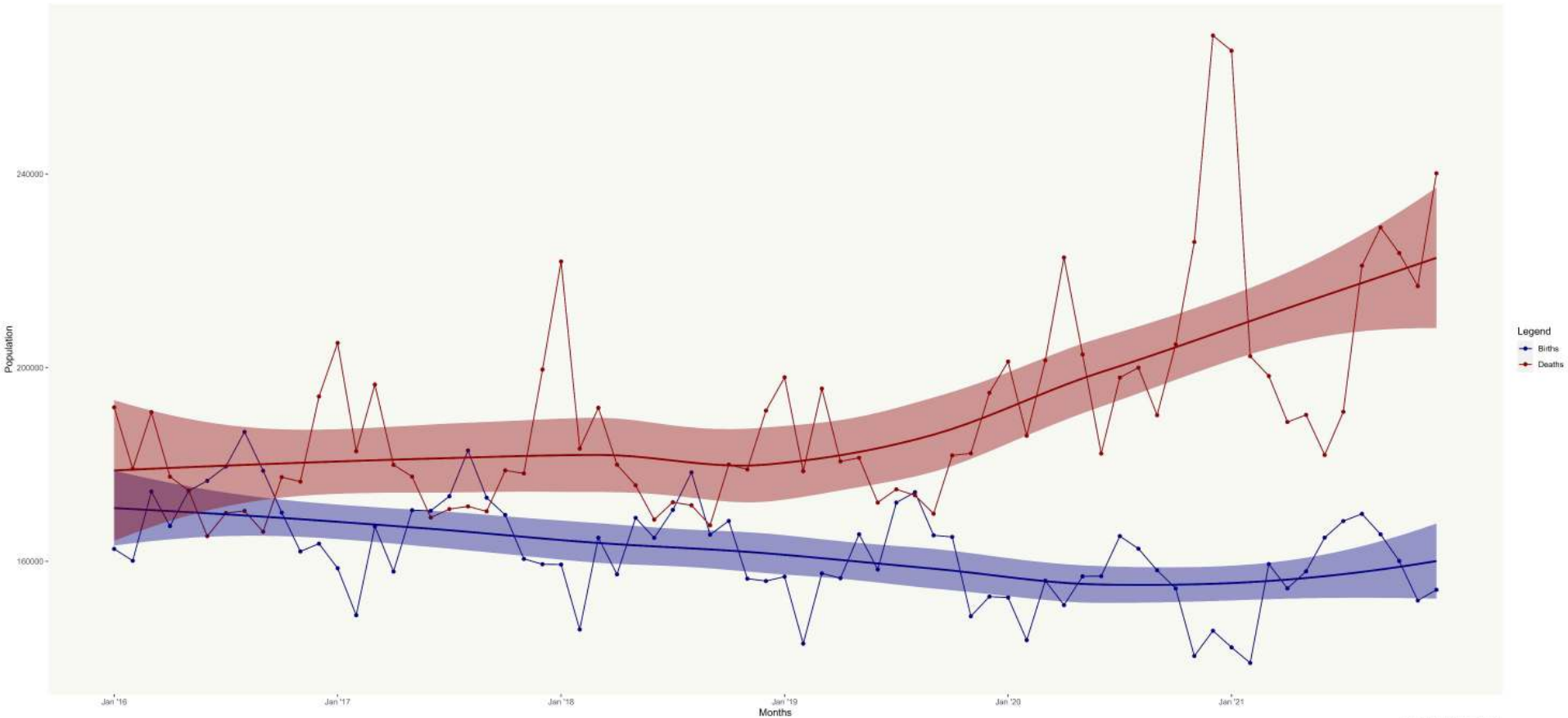


Missouri Births and Deaths



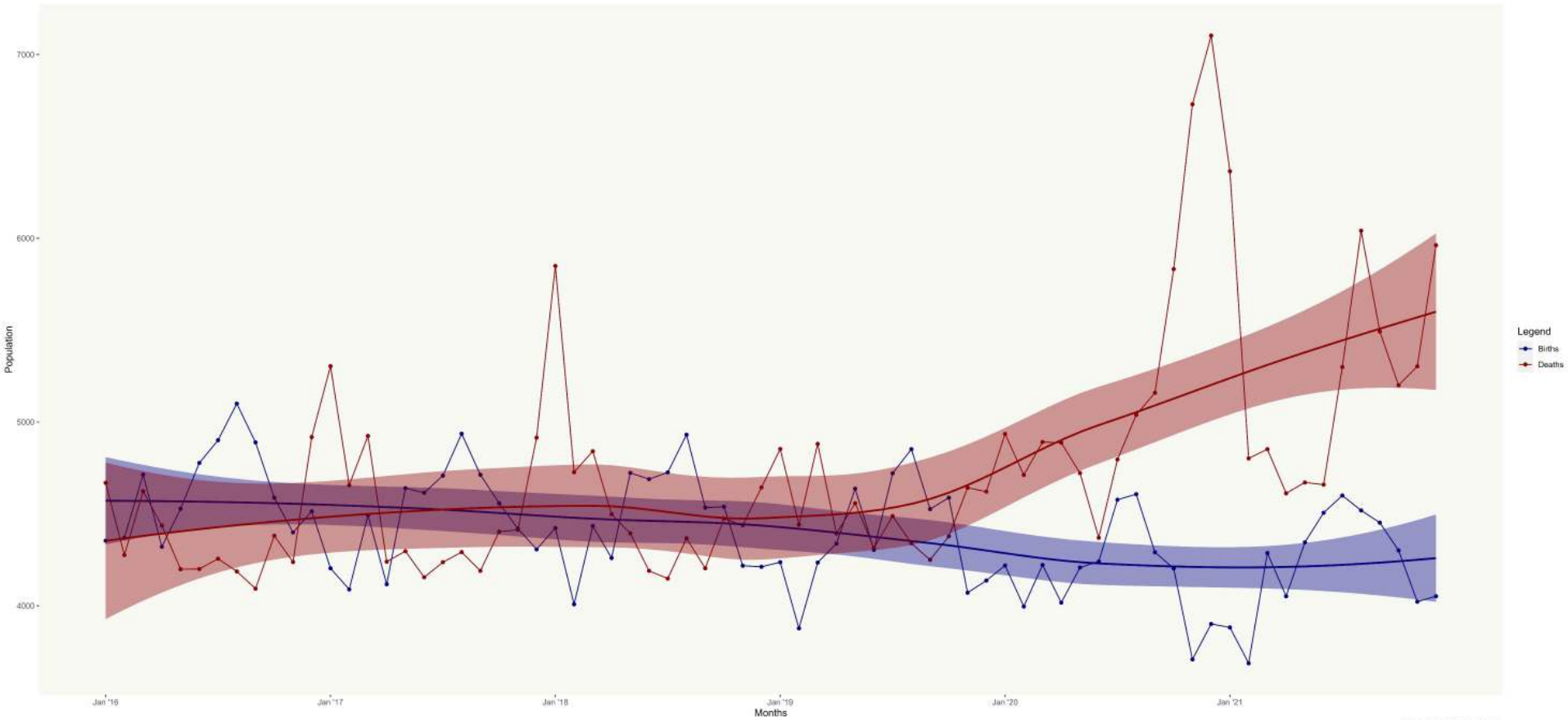
Legend
Births
Deaths

United States - White (Non-Hispanics) Births and Deaths



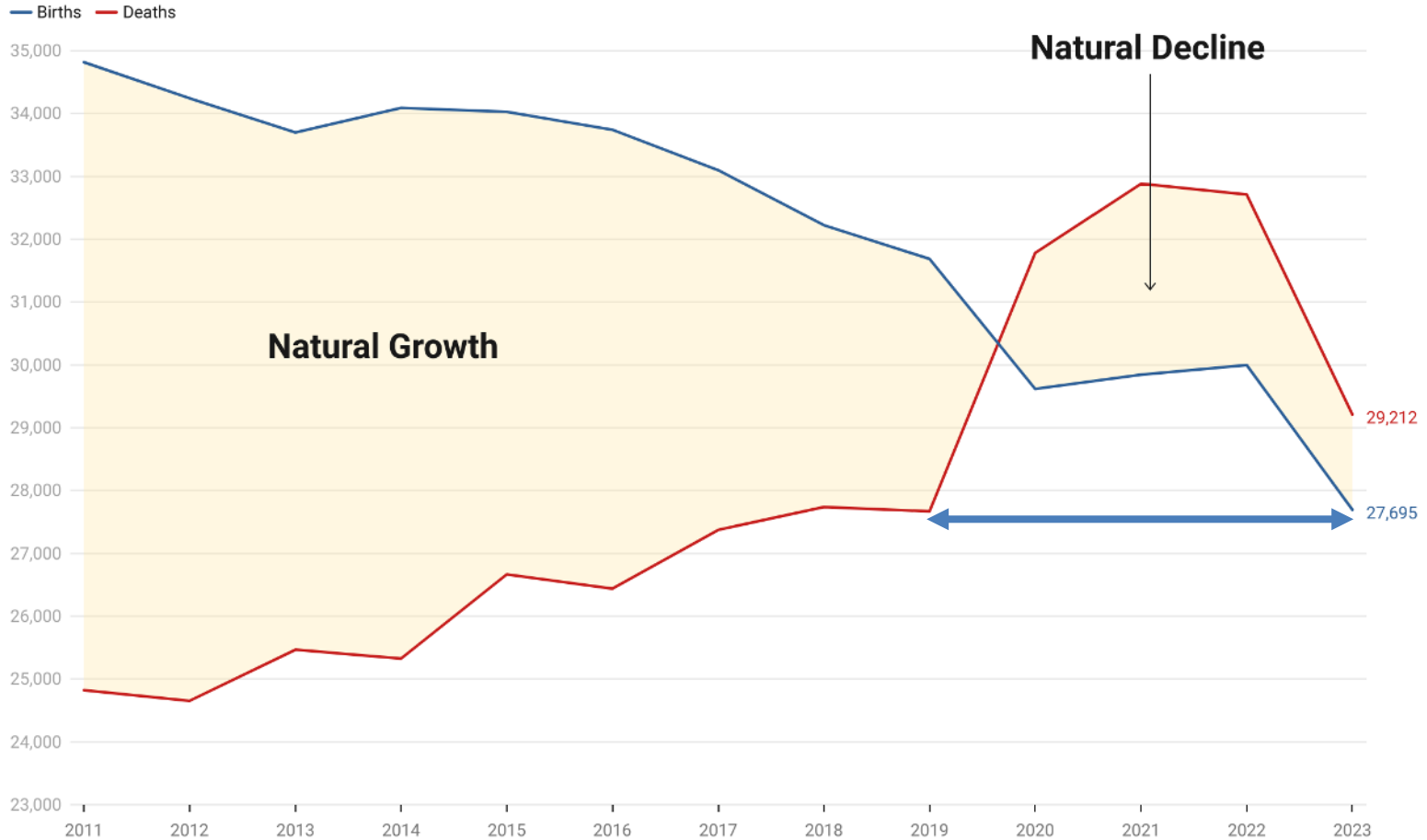
Legend
Births
Deaths

Missouri - White (Non-Hispanics) Births and Deaths



Legend
Births
Deaths

Trends In Natural Population Growth/Decline Saint Louis MSA



Year data is based on published year estimates from the Population Estimates.

Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: www.census.gov • Created with Datawrapper

The Demographic Storm Is Beginning

Saint Louis MSA - Cumulative Births and Deaths 2020-2023

Since 2020, There are more reported Death and Births in the St. Louis MSA (9,432 natural decline).

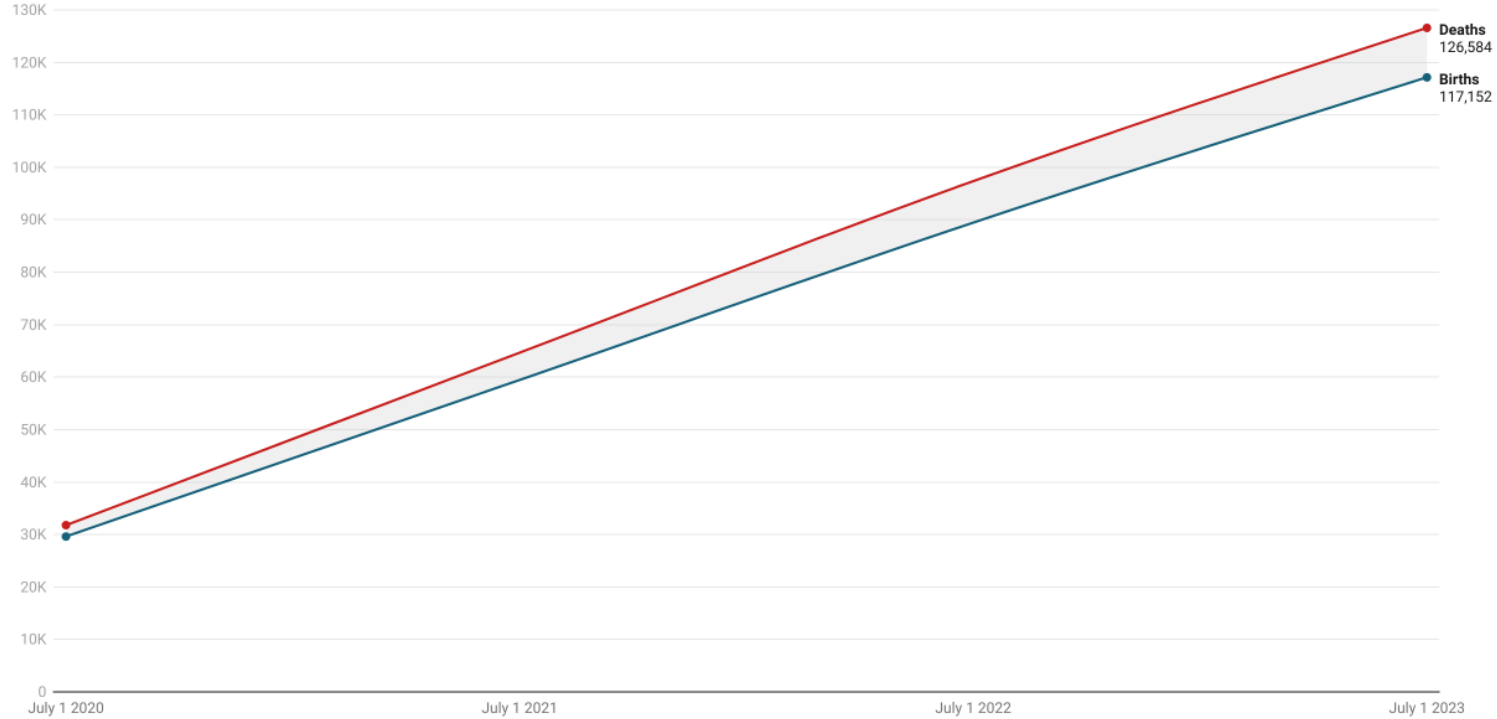


Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: www.census.gov • Created with Datawrapper

The St. Louis
MSA is not
alone

Deaths Exceed Births in Nine of the Top 50 MSA Regions from 2020 to 2023

Among the Top 50 MSA Regions, 6 Continue to Experience More Deaths than Births from 2022 to 2023

	MSA	Population 2023	Population Change (2020-2023)	Natural Change (2022-2023) ▲	Natural Decline (2020-2023)
1	Pittsburgh, PA Metro Area	2,422,725	-34,311	-8,225	-31,064
2	Tampa-St. Petersburg-Clearwater, FL Metro Area	3,342,963	167,672	-3,065	-20,442
3	Cleveland, OH Metro Area	2,158,932	-26,795	-2,381	-15,097
4	St. Louis, MO-IL Metro Area	2,796,999	-23,286	-1,517	-9,057
5	Buffalo-Cheektowaga, NY Metro Area	1,155,604	-11,293	-1,038	-6,279
6	Providence-Warwick, RI-MA Metro Area	1,677,803	1,224	-957	-5,523
7	Birmingham, AL Metro Area	1,184,290	3,658	477	-3,637
8	Louisville/Jefferson County, KY-IN Metro Area	1,365,557	3,412	765	-1,816
9	Detroit-Warren-Dearborn, MI Metro Area	4,342,304	-50,086	1,503	-7,646

Table: J.S. Onésimo Sandoval, Saint Louis University • Source: Annual and Cumulative Estimates of the Components of Resident Population Change for Counties in the United States: April 1, 2022 to July 1, 2023, U.S. Census Bureau, Population Division • Created with Datawrapper

With an ever-increasing percentage of its population consisting of persons 65 years of age and older, the state can expect ever increasing number of deaths over births each year, large expenditures for health care and decline in its work force.

1. The Saint Louis Metropolitan is ranked 11 out of top 50 largest metropolitan in the ratio of children under 10 and residents over 74 (Senior Citizens > Toddlers) (.90)
2. The Kansas City Metropolitan is ranked 31 out of top 50 largest metropolitan in the ratio of children under 10 and residents over 74 (Senior Citizens > Toddlers) (.75)

Saint Louis MSA Ageing Index

14 and under compared to 75 and over. 1 indicates more youth and senior citizens.

County	14 and Under	65 and Over	Ageing Ratio
Lincoln County, Missouri	12,582	8,403	1.50
Jefferson County, Missouri	42,343	35,641	1.19
St. Clair County, Illinois	49,318	42,018	1.17
St. Charles County, Missouri	75,803	65,171	1.16
Warren County, Missouri	6,907	6,292	1.10
St. Louis city, Missouri	47,113	43,123	1.09
Saint Louis MSA	507,019	481,653	1.05
Franklin County, Missouri	19,221	19,098	1.01
Clinton County, Illinois	6,498	6,531	0.99
Madison County, Illinois	46,702	46,996	0.99
Monroe County, Illinois	6,351	6,423	0.99
St. Louis County, Missouri	180,100	184,287	0.98
Bond County, Illinois	2,457	3,026	0.81
Macoupin County, Illinois	7,535	9,288	0.81
Jersey County, Illinois	3,345	4,276	0.78
Calhoun County, Illinois	744	1	0.69

Table: J.S. Onésimo Sandoval, Saint Louis University • Source: U.S. Census Bureau, 2022 5 Year ACS • Created with Datawrapper

Several Counties
are Ageing

2. MACRO TRENDS

B. Population Growth

Hispanic population growth was slightly larger than Non-Hispanic population growth

U.S. Population Change from 2010 to 2020

51% of the population growth from 2010 to 2020 was from the Latino population.

Population	2010	2020	Change ▼	Percent Change
Total Population	308,745,392	331,449,281	22,703,889	7
Hispanic	50,477,582	62,080,044	11,602,462	23
Non-Hispanic	258,267,810	269,369,237	11,101,427	4
Two or More Races	5,966,477	13,548,983	7,582,506	127
Asian	14,465,115	19,618,719	5,153,604	36
African American or Black	37,685,830	39,940,338	2,254,508	6
Other	604,265	1,689,833	1,085,568	180
Native Hawaiian and Other Pacific Islander	481,576	622,018	140,442	29
American Indian and Alaska Native	2,247,098	2,251,699	4,601	0
White	196,817,449	191,697,647	-5,119,802	-3

The White and Black populations declined in the Saint Louis MSA

Saint Louis MSA Population Change from 2010 to 2020

The white population in Saint Louis is smaller the 1980 white population (2,035,411) for 15 county MSA

Population	2010	2020	Change	Percent Change
Total Population	2,787,701	2,820,253	32,552	1
Hispanic	71,764	106,269	34,505	48
Non-Hispanic	2,715,937	2,713,984	-1,953	-0
White	2,088,985	1,983,321	-105,664	-5
African American or Black	513,029	503,344	-9,685	-2
American Indian and Alaska Native	5,652	5,296	-356	-6
Asian	59,632	81,630	21,998	37
Native Hawaiian and Other Pacific Islander	926	974	48	5
Other	2,956	11,400	8,444	286
Two or More Races	44,757	128,019	83,262	186

**Saint Louis MSA
ranks near the lower
end of the top 50
MSAs regarding
diversity and percent
minority**

The Saint Louis MSA has a low diversity score

About 43% of the U.S. Population is classified as a minority.

■ St. Louis, MO-IL Metro Area

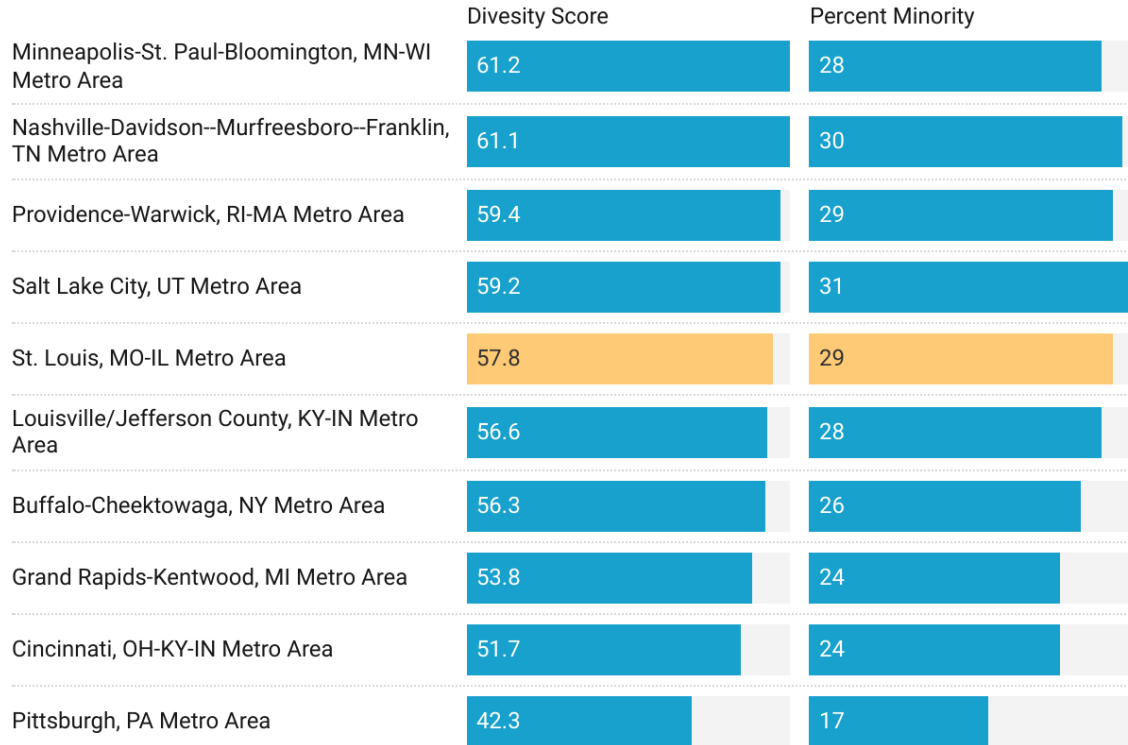


Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: U.S. Census Bureau, 2022 1 Year ACS Estimates • Created with Datawrapper

Austin and San Antonio have the population momentum to grow from migration

Fastest Growing MSA's by Migration of the Top 50 MSA regions from 2020-2023

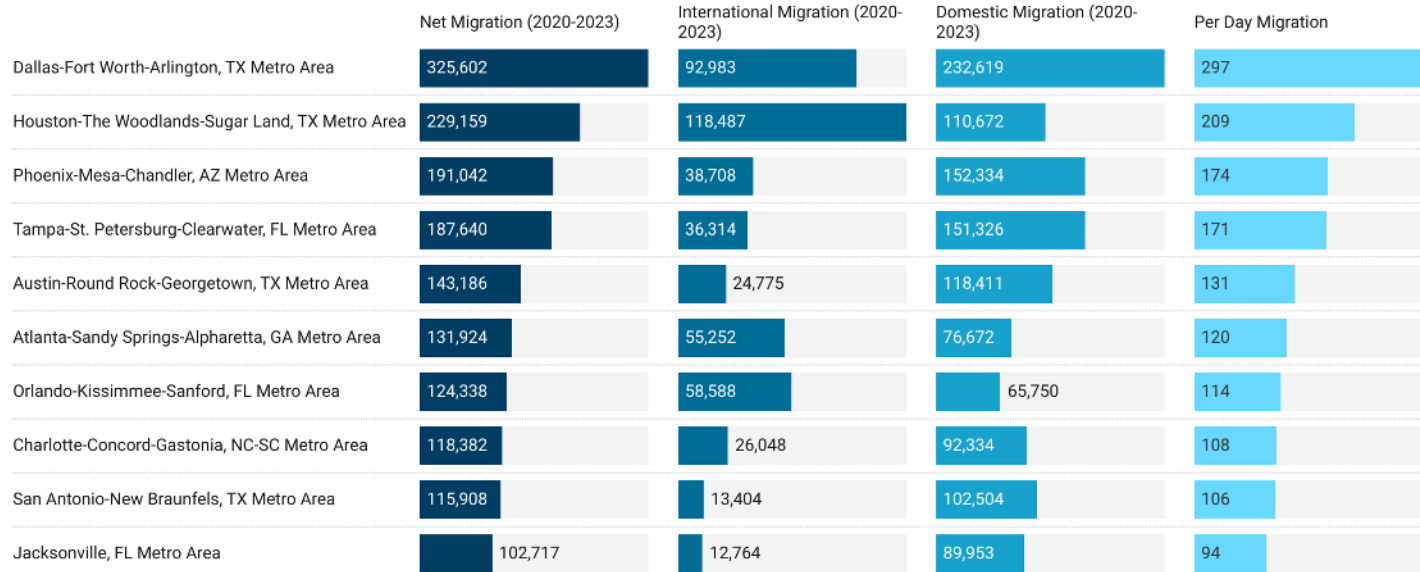


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3. FIVE DECADES OF QUESTIONABLE GROWTH

Population Comparison for Selected MSAs in the U.S.

	MSA	1970	2010	2020	Change (1970-2020)	▼ Percent Change (1970-2020)
1	Austin Metro Area	295,516	1,716,236	2,283,371	1,987,855	673
2	Charlotte Metro Area	409,370	2,243,627	2,660,329	2,250,959	550
3	Orlando Metro Area	428,003	2,134,410	2,673,376	2,245,373	525
4	Dallas Metro Area	1,555,950	6,366,543	7,637,387	6,081,437	391
5	Atlanta Metro Area	1,390,164	5,286,699	6,089,815	4,699,651	338
6	Nashville Metro Area	541,108	1,646,200	1,989,519	1,448,411	268
7	Denver Metro Area	1,227,529	2,543,465	2,963,821	1,736,292	141
8	Oklahoma City Metro Area	640,889	1,252,988	1,425,695	784,806	122
9	Minneapolis Metro Area	1,813,647	3,333,653	3,690,261	1,876,614	103
10	Indianapolis Metro Area	1,109,882	1,887,877	2,111,040	1,001,158	90
11	Kansas City Metro Area	1,253,916	2,009,342	2,192,035	938,119	75
12	Memphis Metro Area	770,120	1,316,102	1,337,779	567,659	74
13	Cincinnati Metro Area	1,384,851	2,137,666	2,256,884	872,033	63
14	St. Louis Metro Area	2,363,017	2,787,701	2,820,253	457,236	19
15	Cleveland Metro Area	2,064,194	2,077,260	2,088,251	24,057	1
16	Pittsburgh Metro Area	2,401,245	2,356,315	2,370,930	-30,315	-1

Chart Created by J.S. Onésimo Sandoval, Saint Louis University

Source: U.S. Census, 1970, 2010, 2020 • Created with Datawrapper

Population Trend for the 15 County Saint Louis MSA

On average, the Saint Louis MSA added 16 people every day from 1970 through 2020. During the same period, the U.S. added 7,027 residents every day. Since 2020, the region has lost 23,000 residents

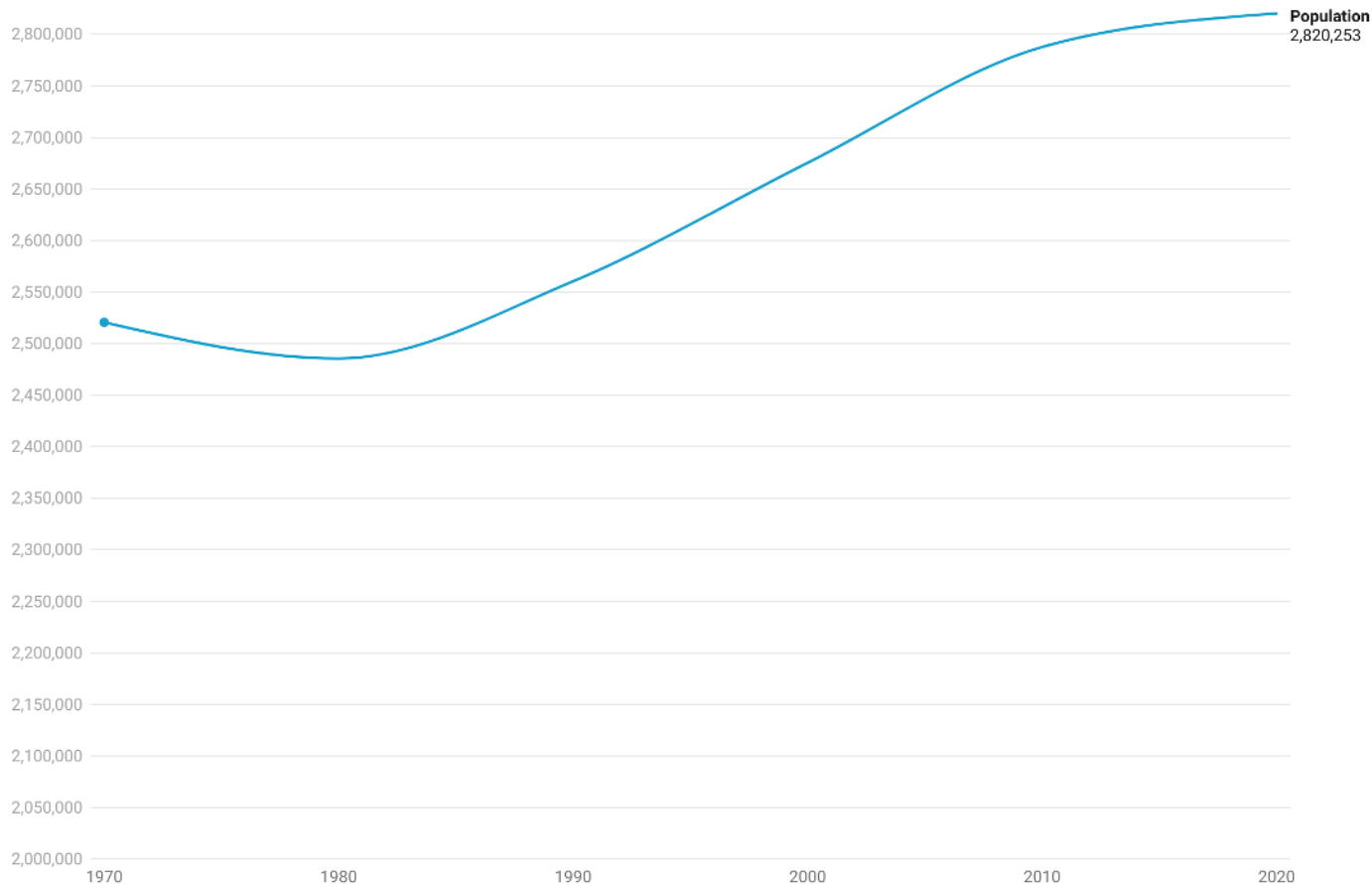


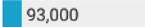





Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: U.S. Census Bureau • Created with Datawrapper

The 15 county
MSA had
2,520,639
residents

The true growth
is 299,614
residents 12%

San Antonio will be larger than the Saint Louis MSA and Austin has the population momentum to continue to grow but...

MSA's That Could Potentially Surpass Saint Louis

Geographic Area	2023	Population Change (2020-2023)	Behind Saint Louis MSA
Orlando-Kissimmee-Sanford, FL Metro Area	2,817,933	144,542	
Charlotte-Concord-Gastonia, NC-SC Metro Area	2,805,115	144,767	
St. Louis, MO-IL Metro Area	2,796,999	-23,286	
San Antonio-New Braunfels, TX Metro Area	2,703,999	145,884	 93,000
Austin-Round Rock-San Marcos, TX Metro Area	2,473,275	189,896	 323,724
Las Vegas-Henderson-North Las Vegas, NV Metro Area	2,336,573	71,098	 460,426
Kansas City, MO-KS Metro Area	2,221,343	29,278	 575,656
Indianapolis-Carmel-Greenwood, IN Metro Area	2,138,468	48,832	 658,531
Nashville-Davidson-Murfreesboro-Franklin, TN Metro Area	2,102,573	88,153	 694,426

The Saint Louis
MSA has lost
15,150 residents
from net
migration or an
average out-
migration of 13
per day

Negative Domestic Migration per 1,000 residents for largest 50 MSAs

23 MSA regions have Negative Migration from 2020-2023.

MSA	2023 Population	Migration Loss	International	Domestic	Migration Loss Per 1000 Residents	International Per 1000 Residents	Domestic Loss Per 1000 Residents
1 San Francisco-Oakland-Berkeley, CA Metro Area	4,566,961	-214,106	68,367	-282,473	-46.9	15.0	-61.9
2 San Jose-Sunnyvale-Santa Clara, CA Metro Area	1,945,767	-77,756	45,623	-123,379	-40.0	23.4	-63.4
3 New York-Newark-Jersey City, NY-NJ-PA Metro Area	19,498,249	-732,334	242,585	-974,919	-37.6	12.4	-50.0
4 Los Angeles-Long Beach-Anaheim, CA Metro Area	12,799,100	-468,472	114,778	-583,250	-36.6	9.0	-45.6
5 Chicago-Naperville-Elgin, IL-IN-WI Metro Area	9,262,825	-234,239	71,189	-305,428	-25.3	7.7	-33.0
6 San Diego-Chula Vista-Carlsbad, CA Metro Area	3,269,973	-65,280	22,067	-87,347	-20.0	6.7	-26.7
7 Salt Lake City, UT Metro Area	1,267,864	-15,271	10,621	-25,892	-12.0	8.4	-20.4
8 Milwaukee-Waukesha, WI Metro Area	1,560,424	-18,524	9,667	-28,191	-11.9	6.2	-18.1
9 Memphis, TN-MS-AR Metro Area	1,335,674	-14,708	4,652	-19,360	-11.0	3.5	-14.5
10 Washington-Arlington-Alexandria, DC-VA-MD-WV Metro Area	6,304,975	-68,842	110,394	-179,236	-10.9	17.5	-28.4
11 Detroit-Warren-Dearborn, MI Metro Area	4,342,304	-44,385	29,471	-73,856	-10.2	6.8	-17.0
12 Boston-Cambridge-Newton, MA-NH Metro Area	4,919,179	-49,100	88,322	-137,422	-10.0	18.0	-27.9
13 Baltimore-Columbia-Towson, MD Metro Area	2,834,316	-21,465	18,637	-40,102	-7.6	6.6	-14.1
14 Portland-Vancouver-Hillsboro, OR-WA Metro Area	2,508,050	-15,660	12,710	-28,370	-6.2	5.1	-11.3
15 Minneapolis-St. Paul-Bloomington, MN-WI Metro Area	3,712,020	-22,860	25,337	-48,197	-6.2	6.8	-13.0
16 Cleveland-Elyria, OH Metro Area	2,158,932	-11,963	10,559	-22,522	-5.5	4.9	-10.4
17 St. Louis, MO-IL Metro Area	2,796,999	-15,150	10,743	-25,893	-5.4	3.8	-9.3
18 Buffalo-Cheektowaga, NY Metro Area	1,155,604	-5,685	5,612	-11,297	-4.9	4.0	-8.8
19 Seattle-Tacoma-Bellevue, WA Metro Area	4,044,837	-18,637	64,683	-83,320	-4.6	16.0	-20.6
20 Fresno, CA Metro Area	1,180,020	-3,934	4,658	-8,592	-3.3	3.9	-7.3
21 Philadelphia-Camden-Wilmington, PA-NJ-DE-MD Metro Area	6,246,160	-15,069	39,139	-54,208	-2.4	6.3	-8.7
22 Virginia Beach-Norfolk-Newport News, VA-NC Metro Area	1,787,169	-3,937	8,484	-12,421	-2.2	4.7	-7.0
23 Pittsburgh, PA Metro Area	2,422,725	-4,258	7,638	-11,896	-1.8	3.2	-4.9

Table: J.S. Ondrejko-Sandovai, Saint Louis University • Source: www.census.gov • Created with Datawrapper

Can a region
grow if it is not
reporting net
positive
migration?

Saint Louis MSA - Population Estimates of Migration

The Saint Louis Metropolitan Statistical Area (MSA) has not reported a single year of positive net migration from 2011 to 2022.

International Migration Domestic Migration Net Migration

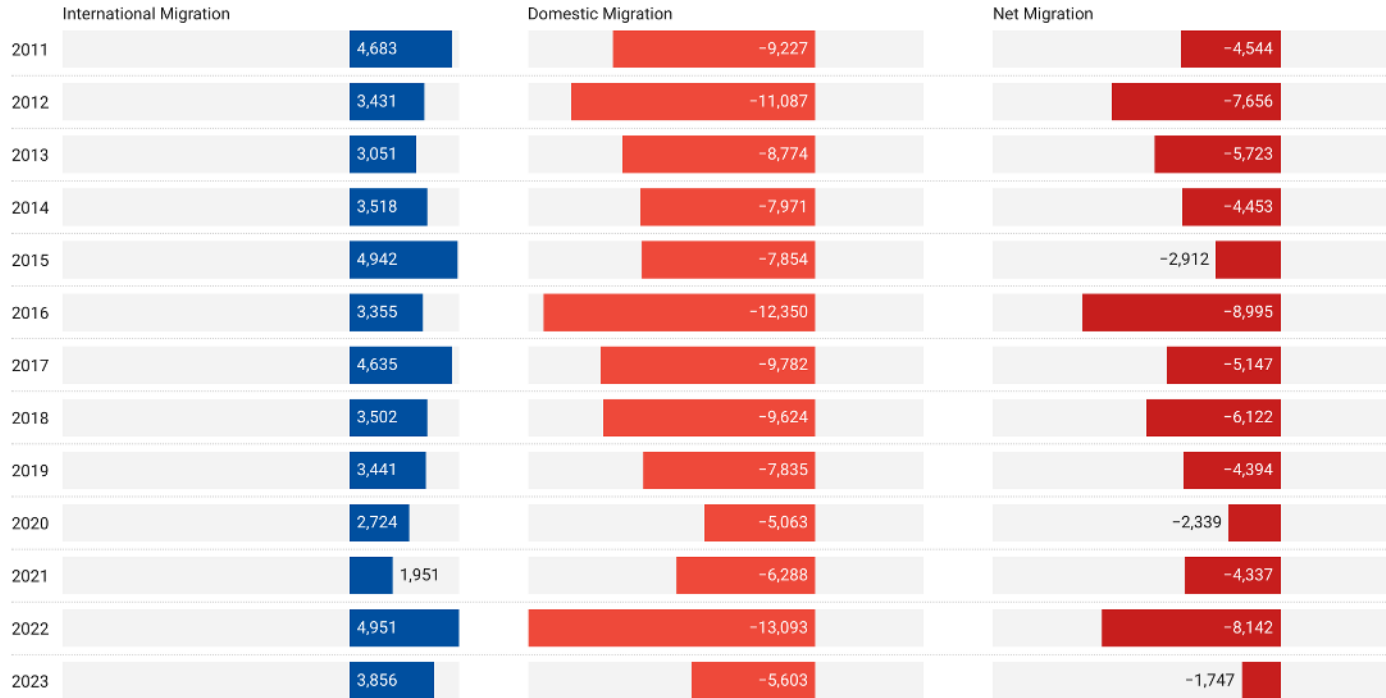


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St. Louis ranked among the bottom five metropolitan statistical areas (MSAs) in terms of international migration performance

Lowest International Migration Rates of the Top 50 MSA regions from 2020-2023

Saint Louis has the 5th lowest international migration rate

	MSA	2023 Population	2023 International Migration	2020-2023 International Migration	2023 International Migration Per 1000 Residents	2020-2023 International Migration Per 1000 Residents
1	Virginia Beach-Norfolk-Newport News, VA-NC Metro Area	1,787,169	3,029	8,484	1.7	4.7
2	Kansas City, MO-KS Metro Area	2,221,343	3,613	10,173	1.6	4.6
3	Oklahoma City, OK Metro Area	1,477,926	3,498	6,759	2.4	4.6
4	Grand Rapids-Kentwood, MI Metro Area	1,162,950	2,180	4,810	1.9	4.1
5	Fresno, CA Metro Area	1,180,020	2,380	4,658	2.0	3.9
6	St. Louis, MO-IL Metro Area	2,796,999	3,856	10,743	1.4	3.8
7	Memphis, TN-MS-AR Metro Area	1,335,674	2,590	4,652	1.9	3.5
8	Pittsburgh, PA Metro Area	2,422,725	3,153	7,638	1.3	3.2
9	Riverside-San Bernardino-Ontario, CA Metro Area	4,688,053	6,589	12,432	1.4	2.7
10	Birmingham-Hoover, AL Metro Area	1,184,290	1,197	2,622	1.0	2.2

Table: J.S., Onésimo Sandoval, Saint Louis University • Source: Annual and Cumulative Estimates of the Components of Resident Population Change for Counties in the United States: April 1, 2022 to July 1, 2023, U.S. Census Bureau, Population Division • Created with Datawrapper

4. IN AND OUT OF MIGRATION PATTERNS

Net Gain Migration is Modest

In-Migration, Out-Migration, and Net Population Gain for the Saint Louis MSA

	In Migration	Out-Migration	▼ Net Gain
Kansas City, MO-KS Metro Area	3,540	2,629	911
Chicago-Naperville-Elgin, IL-IN-WI Metro Area	5,060	4,300	760
New York-Newark-Jersey City, NY-NJ-PA Metro Area	1,577	965	612
Omaha-Council Bluffs, NE-IA Metro Area	595	213	382
Davenport-Moline-Rock Island, IA-IL Metro Area	525	149	376
Peoria, IL Metro Area	792	438	354
Los Angeles-Long Beach-Anaheim, CA Metro Area	1,045	736	309
Decatur, IL Metro Area	460	163	297
Montgomery, AL Metro Area	345	54	291
Birmingham-Hoover, AL Metro Area	418	128	290
Baltimore-Columbia-Towson, MD Metro Area	416	153	263
Memphis, TN-MS-AR Metro Area	1,061	799	262
Springfield, IL Metro Area	1,123	863	260
San Francisco-Oakland-Berkeley, CA Metro Area	658	424	234
Albuquerque, NM Metro Area	257	66	191

Chart created by J.S. Onésimo Sandoval, Saint Louis University

Source: U.S. Census Bureau, Metro to Metro Table, 2015-2019 • Created with Datawrapper

We are losing
population to
three fastest
growing
regions

In-Migration, Out-Migration, and Net Population Loss for the Saint Louis MSA

	In Migration	Out-Migration	▲ Net Loss
Outside Metro Area within U.S. or Puerto Rico	16,973	19,451	-2,478
Springfield, MO Metro Area	1,583	3,468	-1,885
Phoenix-Mesa-Chandler, AZ Metro Area	550	1,625	-1,075
Dallas-Fort Worth-Arlington, TX Metro Area	2,092	3,071	-979
Houston-The Woodlands-Sugar Land, TX Metro Area	758	1,614	-856
Miami-Fort Lauderdale-Pompano Beach, FL Metro Area	285	1,092	-807
Columbia, MO Metro Area	2,277	3,075	-798
Colorado Springs, CO Metro Area	96	795	-699
Atlanta-Sandy Springs-Alpharetta, GA Metro Area	1,352	1,987	-635
Denver-Aurora-Lakewood, CO Metro Area	579	1,178	-599
Jefferson City, MO Metro Area	808	1,395	-587
Orlando-Kissimmee-Sanford, FL Metro Area	185	758	-573
Washington-Arlington-Alexandria, DC-VA-MD-WV Metro Area	1,008	1,539	-531
Tampa-St. Petersburg-Clearwater, FL Metro Area	707	1,140	-433
North Port-Sarasota-Bradenton, FL Metro Area	71	478	-407

Chart created by J.S. Onésimo Sandoval, Saint Louis University

Source: U.S. Census Bureau, Metro to Metro Table, 2015-2019 • Created with Datawrapper

5. A GROWING ECONOMY, BUT....

Saint Louis MSA fall from 22nd to 24 for GDP from 2019 to 2022

17	17	San Diego-Chula Vista-Carlsbad, CA (Metropolitan Statistical Area)	\$236,250,458	\$257,341,197	\$21,090,739	8.9%
18	18	Denver-Aurora-Lakewood, CO (Metropolitan Statistical Area) *	\$222,301,876	\$249,653,294	\$27,351,418	12.3%
19	19	Baltimore-Columbia-Towson, MD (Metropolitan Statistical Area)	\$201,674,700	\$208,025,373	\$6,350,673	3.1%
20	20	Riverside-San Bernardino-Ontario, CA (Metropolitan Statistical Area)	\$184,662,178	\$195,808,085	\$11,145,907	6%
21	21	Charlotte-Concord-Gastonia, NC-SC (Metropolitan Statistical Area)	\$177,257,582	\$194,261,991	\$17,004,409	9.6%
22	22	Austin-Round Rock-Georgetown, TX (Metropolitan Statistical Area)	\$158,684,309	\$193,632,474	\$34,948,165	22%
23	23	Tampa-St. Petersburg-Clearwater, FL (Metropolitan Statistical Area)	\$163,322,298	\$187,733,776	\$24,411,478	14.9%
24	24	St. Louis, MO-IL (Metropolitan Statistical Area)	\$169,262,441	\$178,656,591	\$9,394,150	5.6%
25	25	Portland-Vancouver-Hillsboro, OR-WA (Metropolitan Statistical Area)	\$166,879,269	\$177,817,816	\$10,938,547	6.6%

Created by J.S. Onésimo Sandoval, Saint Louis University

Source: Gross Domestic Product by County and Metropolitan Area, 2022 • Created with Datawrapper

St. Louis
County has the
largest GDP
followed by St.
Louis City and
St. Charles
County....

MSA and County gross domestic product (GDP) summary

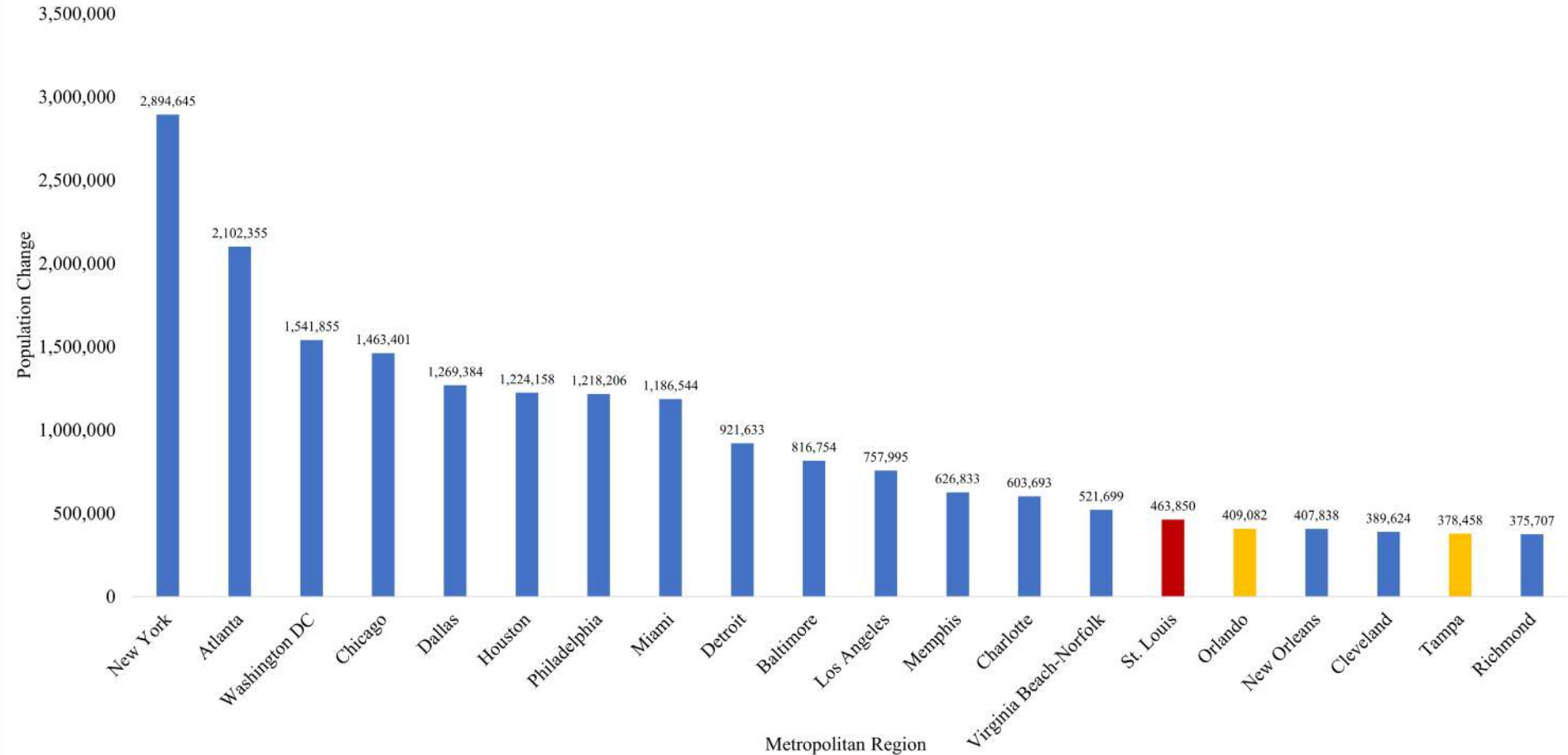
Real Gross Domestic Product (GDP) (Thousands of chained 2017 dollars)

	ID	County	2019	▼ 2022	Change	Percent Change
1	16	Saint Louis MSA	169,251,308	178,715,202	9,463,894	5.6%
2	13	St. Louis, MO	81,218,803	88,661,082	7,442,279	9.2%
3	14	St. Louis (Independent City), MO	29,941,100	30,737,561	796,461	2.7%
4	12	St. Charles, MO	17,744,958	19,428,800	1,683,842	9.5%
5	8	St. Clair, IL	11,807,863	11,950,816	142,953	1.2%
6	6	Madison, IL	12,089,112	11,434,900	-654,212	-5.4%
7	10	Jefferson, MO	5,294,725	5,226,323	-68,402	-1.3%
8	9	Franklin, MO	4,742,391	4,821,634	79,243	1.7%
9	11	Lincoln, MO	1,280,885	1,264,990	-15,895	-1.2%
10	5	Macoupin, IL	1,112,648	1,146,944	34,296	3.1%
11	3	Clinton, IL	1,095,368	1,074,062	-21,306	-1.9%
12	7	Monroe, IL	895,698	910,027	14,329	1.6%
13	15	Warren, MO	896,987	871,825	-25,162	-2.8%
14	1	Bond, IL	567,144	571,306	4,162	0.7%
15	4	Jersey, IL	473,233	518,929	45,696	9.7%
16	2	Calhoun, IL	90,393	96,003	5,610	6.2%

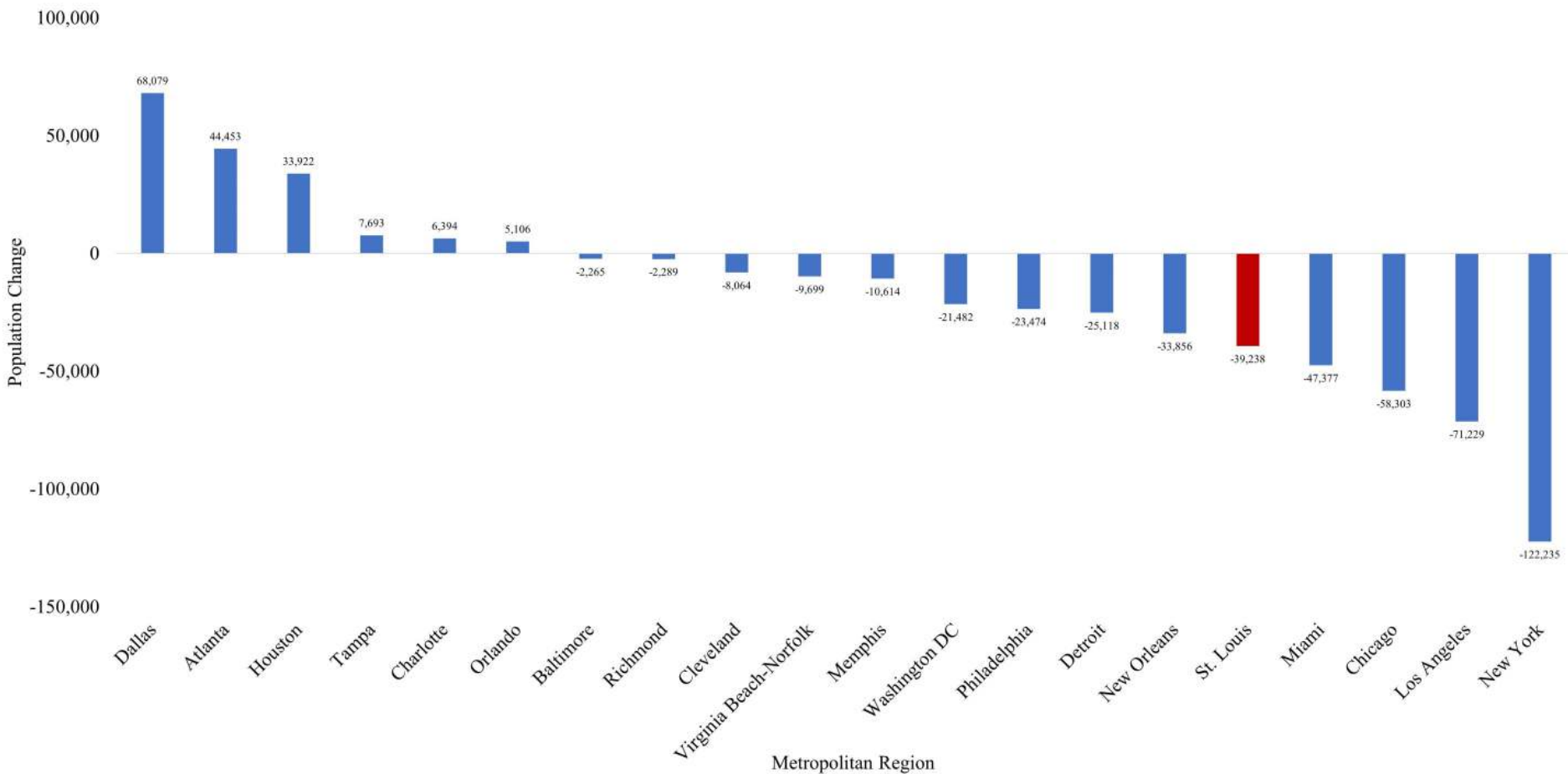
Table: J.S. Onésimo Sandoval, Saint Louis University • Source: Bureau of Economic Analysis • Created with Datawrapper

**6. SECOND LARGEST BLACK POPULATIONS LOSS
IN THE U.S.**

Top 21 Largest Black Populations in the U.S. Black Population Change 2022

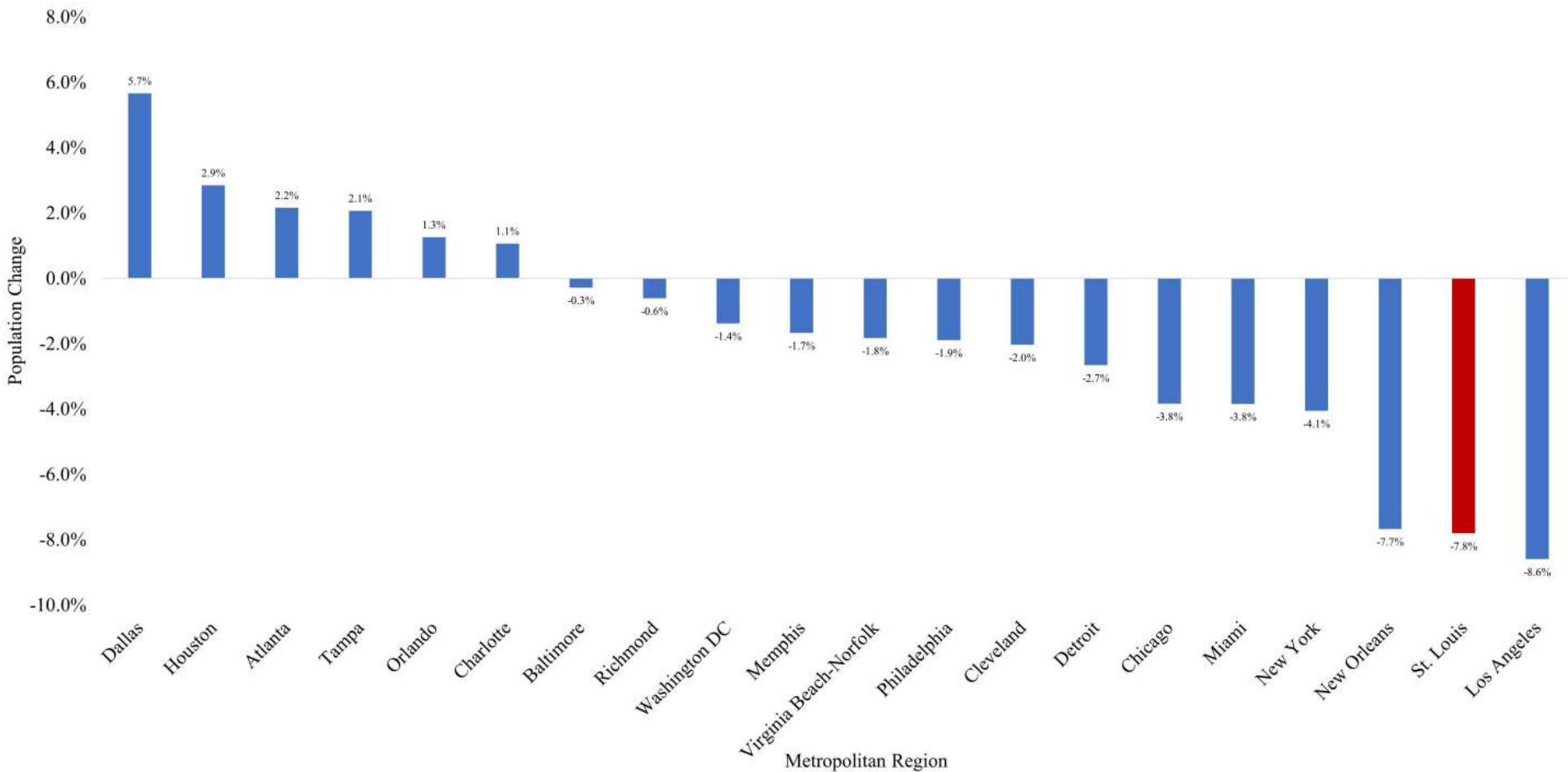


Top 20 Largest Black Populations in the U.S. Black Population Change 2019-2022



Source: ACS 2019 and 2022 1 Year Estimates. Table created by Sandoval, J.S. Onésimo, Computational Spatial Demography Lab, Saint Louis University

Top 20 Largest Black Populations in the U.S.
Black Population Percent Change
2019-2022



7. DEMOGRAPHIC TRANSITIONS IN THE SAINT LOUIS METROPOLITAN REGION

Saint Louis MSA Population Estimates

Population Trend for the 15 County Saint Louis MSA

On average, the Saint Louis MSA added 16 people every day from 1970 through 2020. During the same period, the U.S. added 7,027 residents every day. Since 2020, the region has lost 23,000 residents

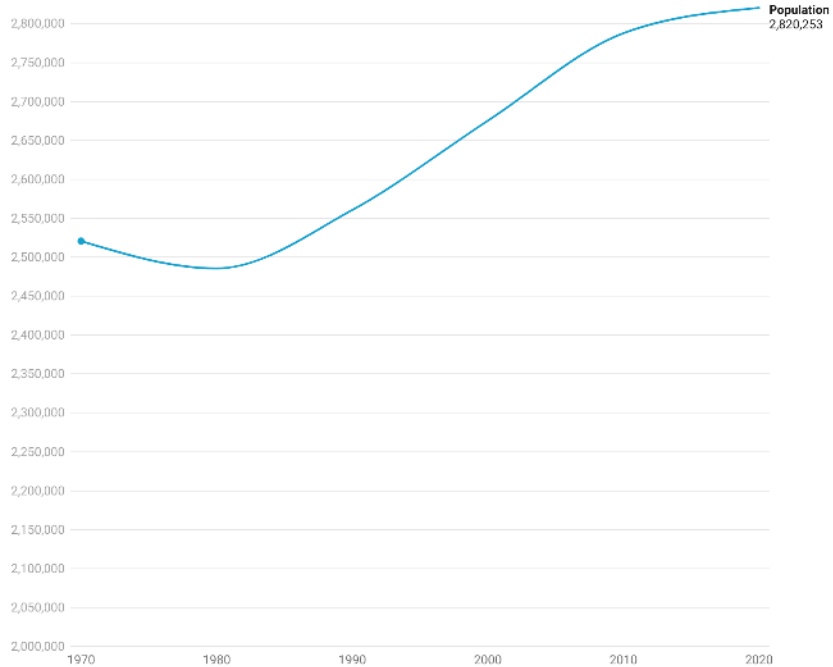


Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: U.S. Census Bureau • Created with Datawrapper

Resident Population in St Louis, MO-IL (MSA)

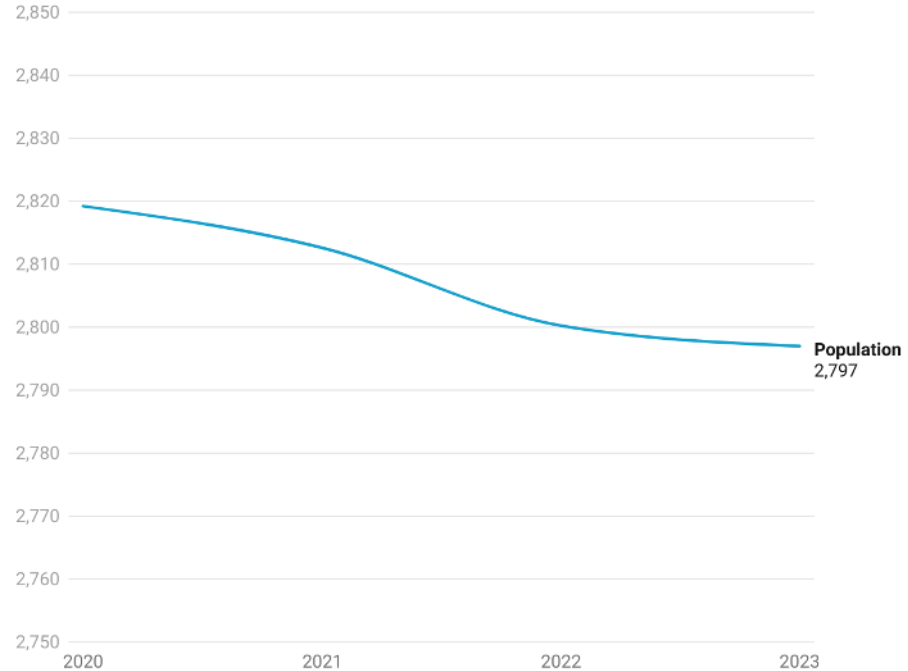
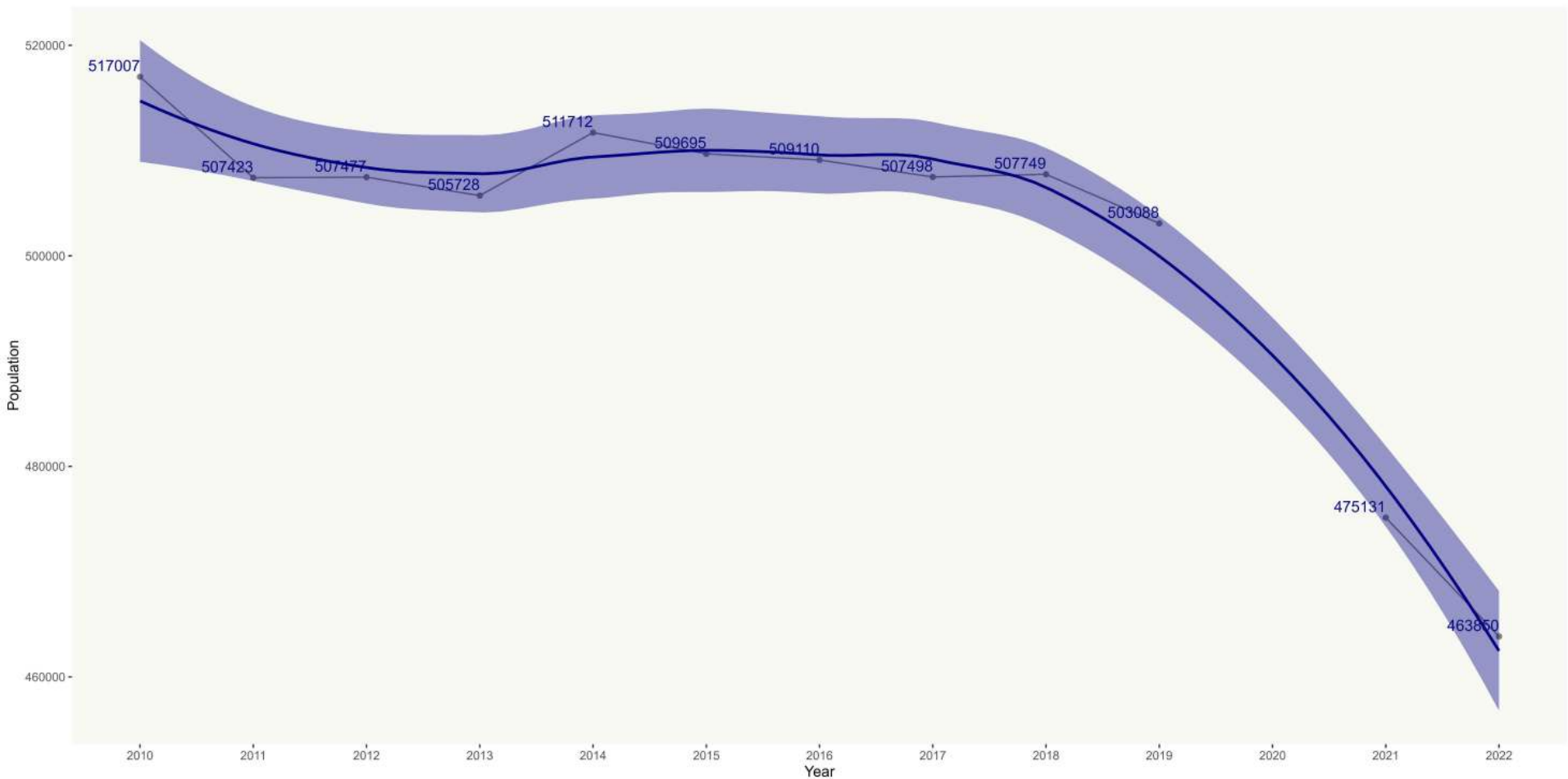


Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: U.S. Census Bureau • Created with Datawrapper

Saint Louis MSA

Population Trend - Black (Non-Hispanic)



The Components of Household Change are Different for Black and White Household in the Saint Louis MSA

Change in Household Type for the Saint Louis Metropolitan Region (2019-2022)

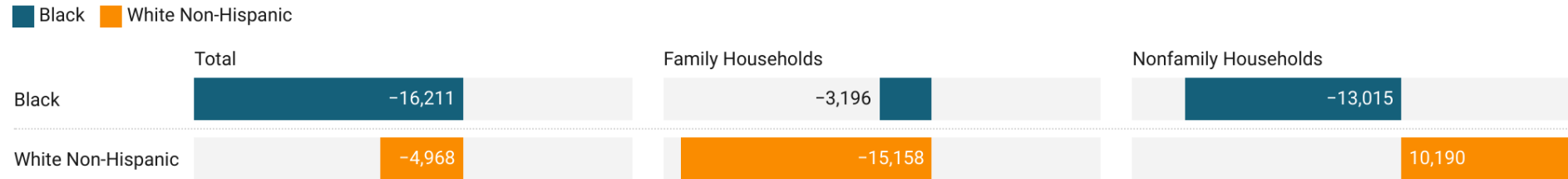
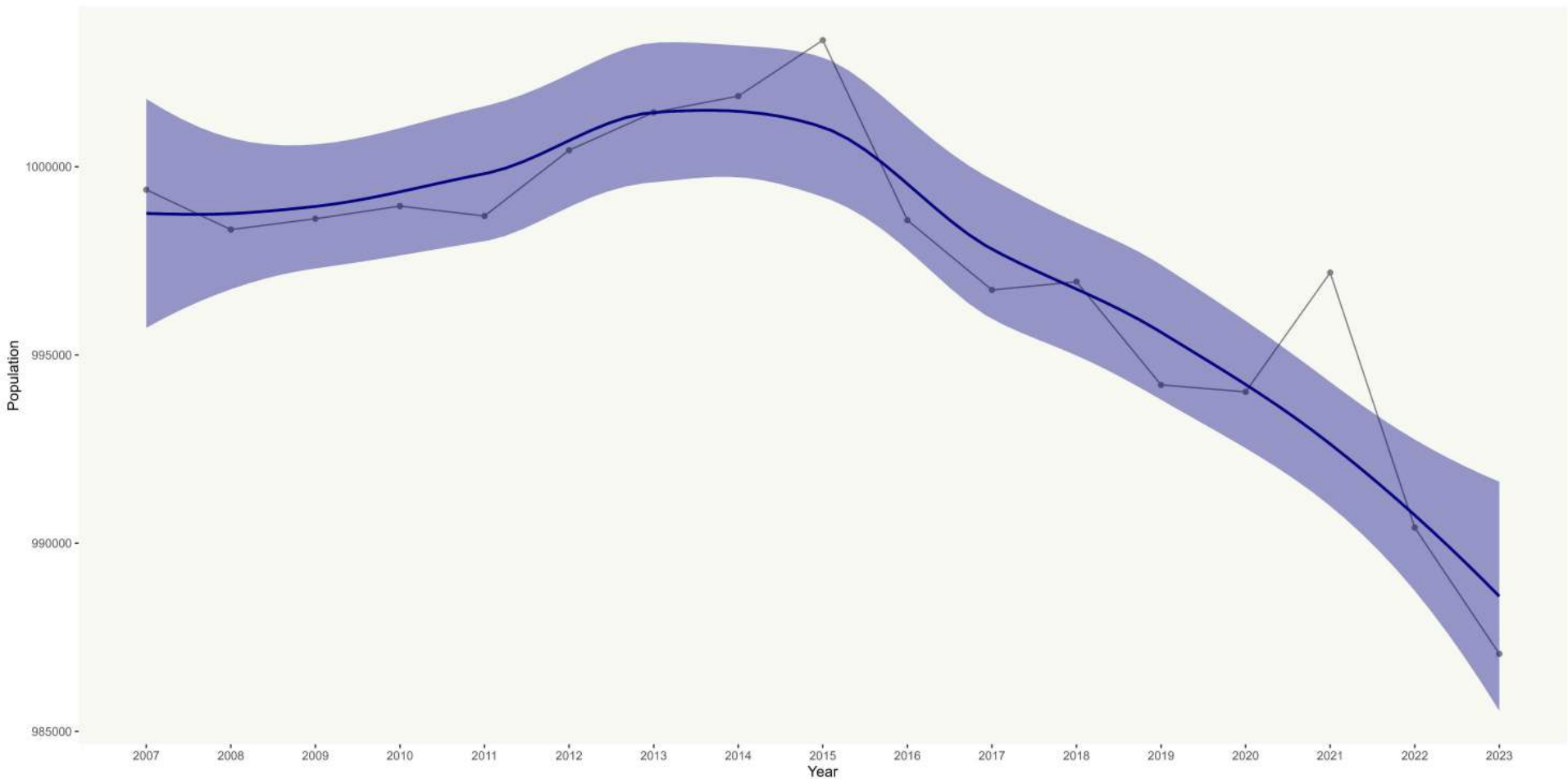


Chart: J.S. Onésimo Sándoval, Computational Spatial Demography Lab, Saint Louis University • Source: U.S. Census One Year ACS Data 2019 and 2022. • Created with Datawrapper

8. DEMOGRAPHIC TRENDS THAT ARE NOT A MYTH

Saint Louis County

Population Trend for Saint Louis County



Demographic Hurdles

Saint Louis County Has Fewer Residents Today than 1990

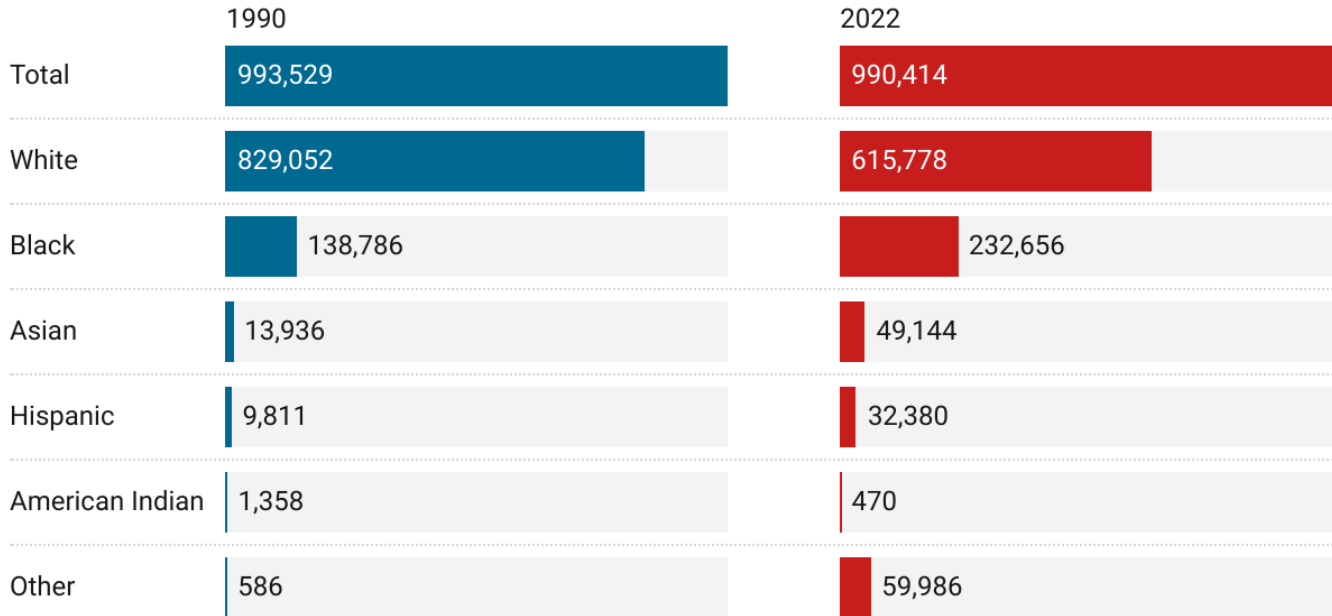


Chart created by J.S. Onésimo Sandoval, Saint Louis University

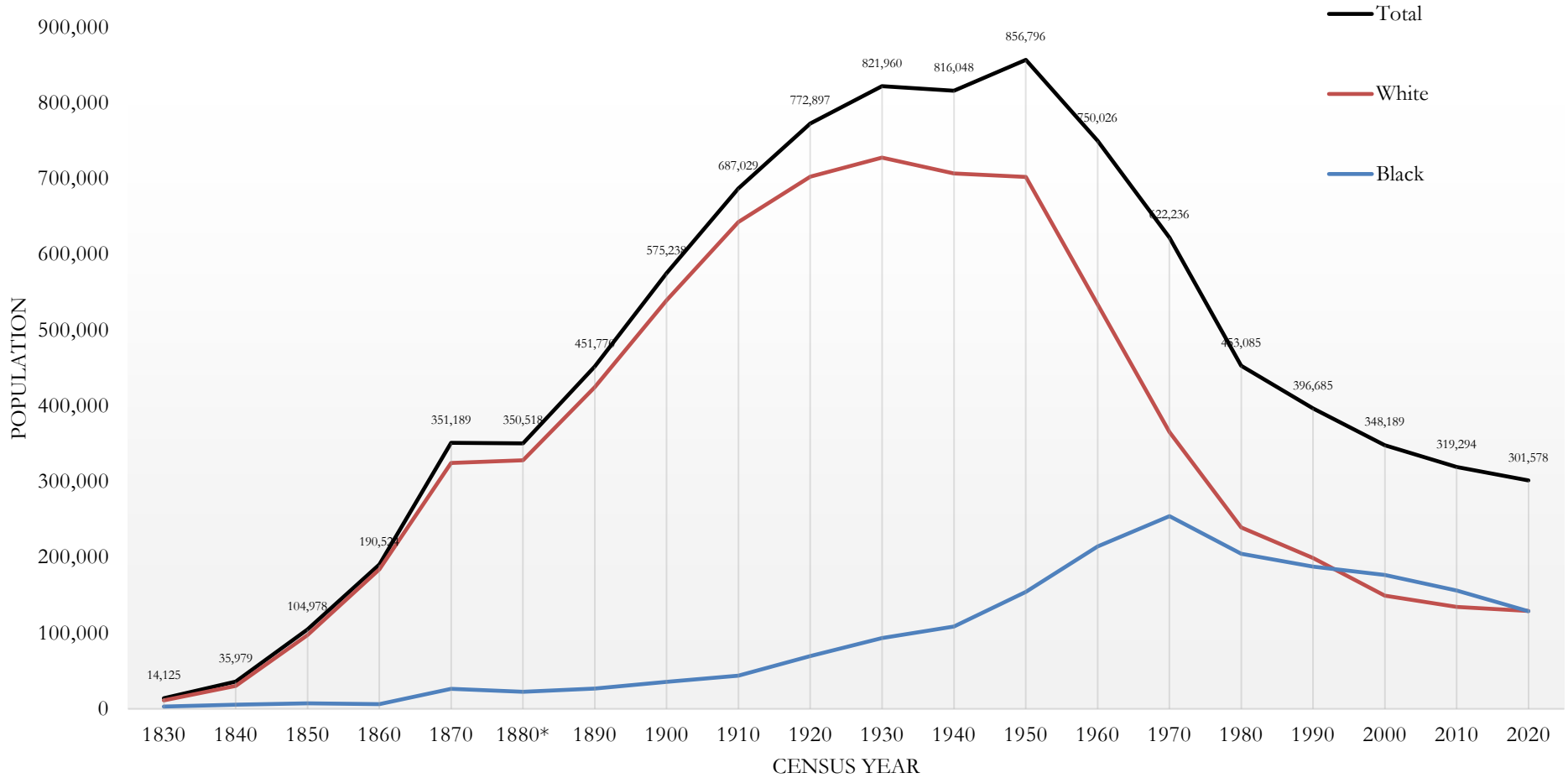
Source: U.S. Census Bureau, 1970 Census and 2022 1 year ACS • Created with Datawrapper

9. DEMOGRAPHIC TRANSITIONS IN SAINT LOUIS CITY

Population Curves – ACS Data and Population Estimates

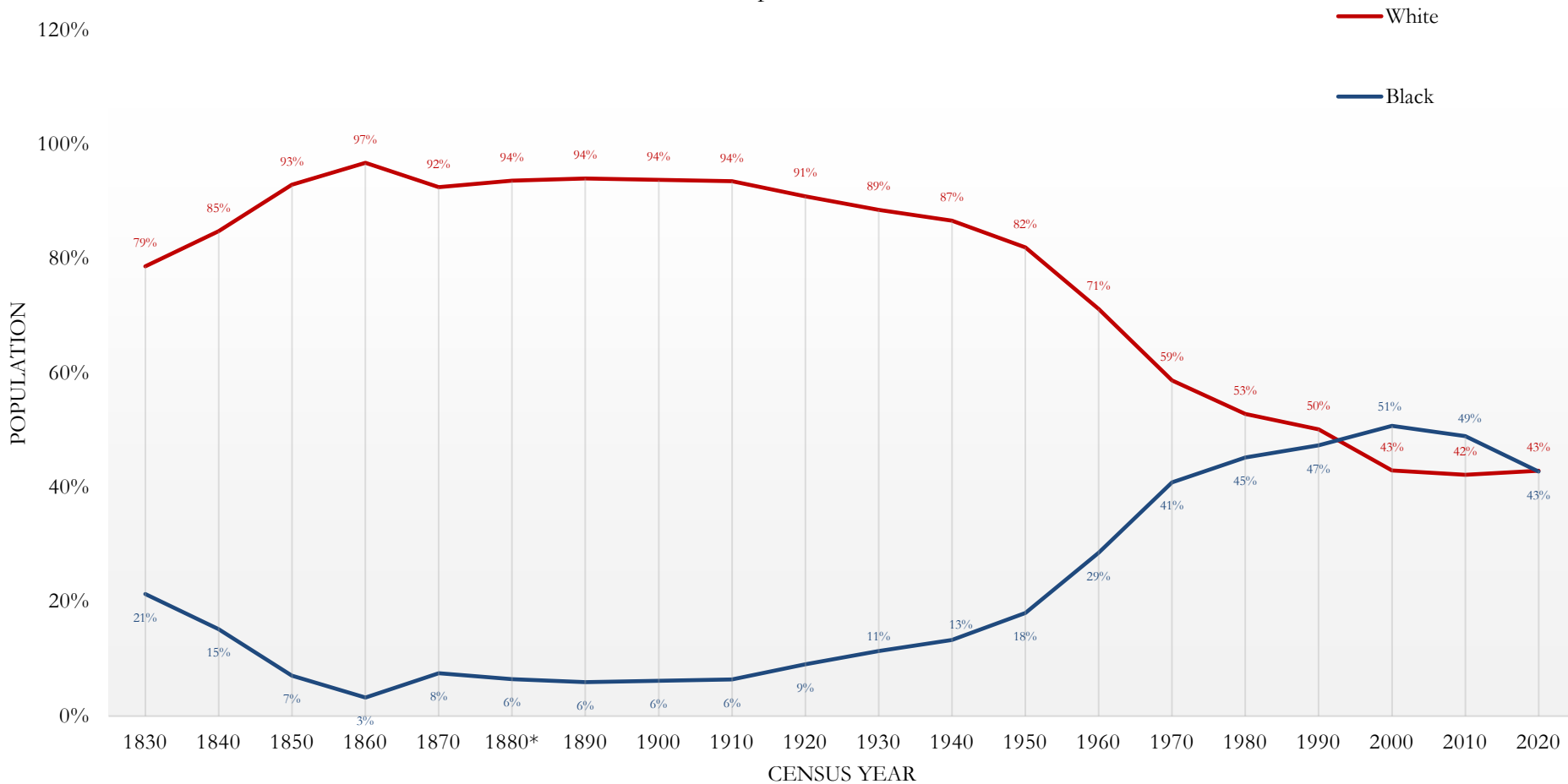
Population Trends for Saint Louis City

Population



Population Trends for Saint Louis City

Population

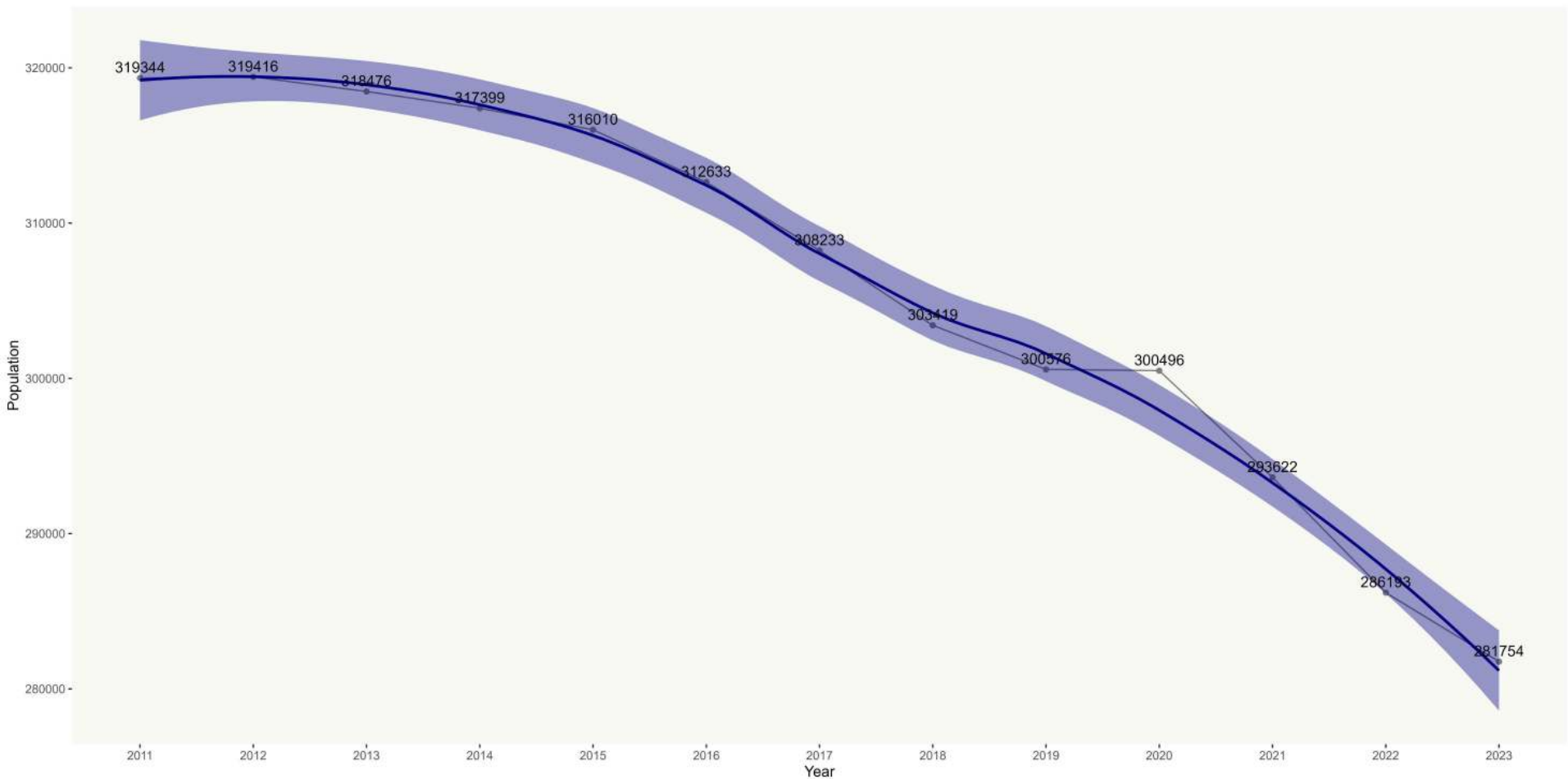


Source: U.S. Census Decennial Data, Chart Created by J.S. Onésimo Sándoval, Computational Spatial Demography Lab, Saint Louis University

*1880 Saint Louis City had a Foreign Born population of 57,000, or 6.8% of the city's 837,000 population. Source: U.S. Census Bureau, 1880 Census of Saint Louis City, 1880 Census of Missouri, 1880 Census of the United States

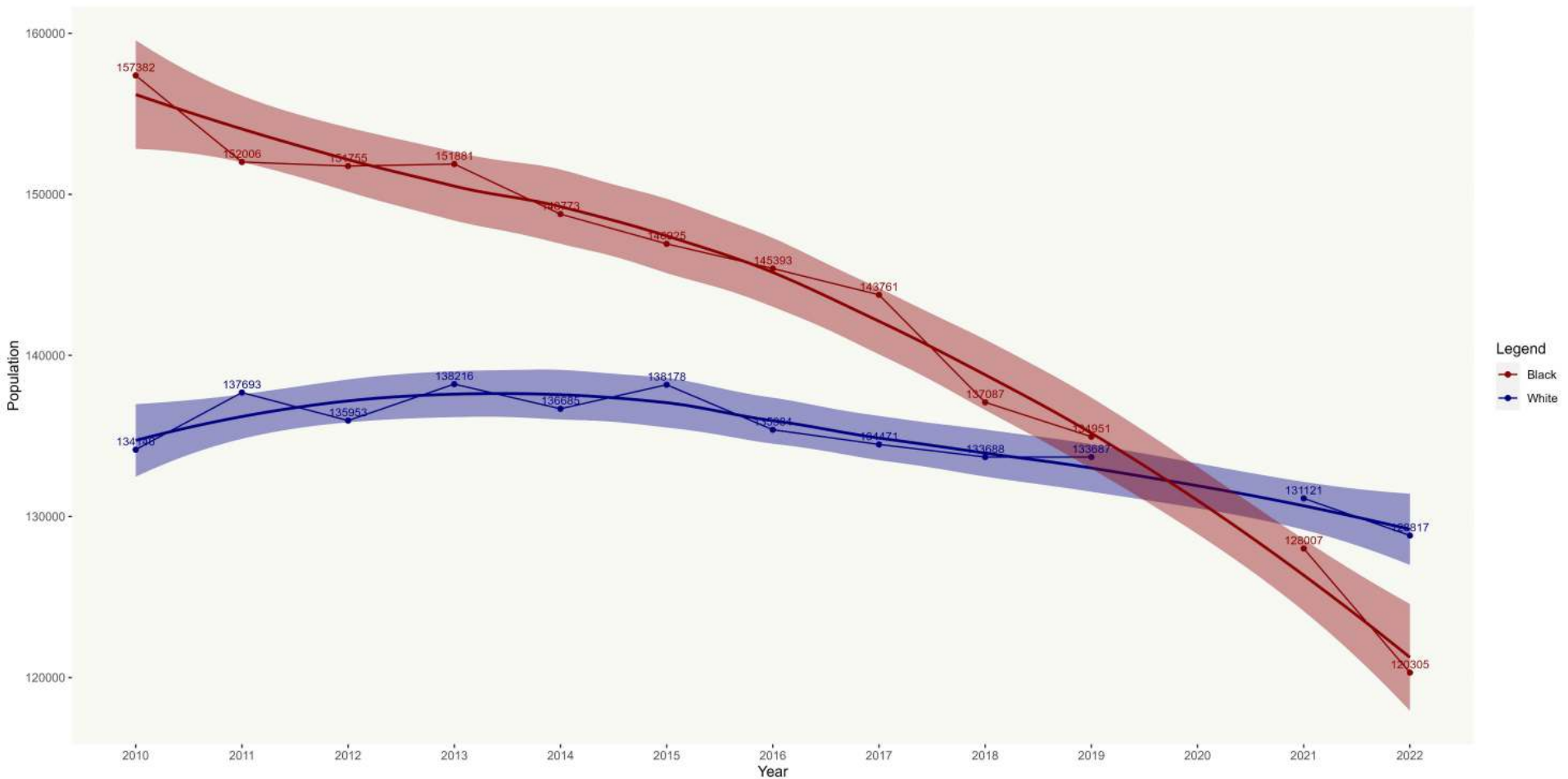
Saint Louis City

Population Trend - Population Estimates



Saint Louis City

White and Black Population Trends: ACS 1 Year Estimates



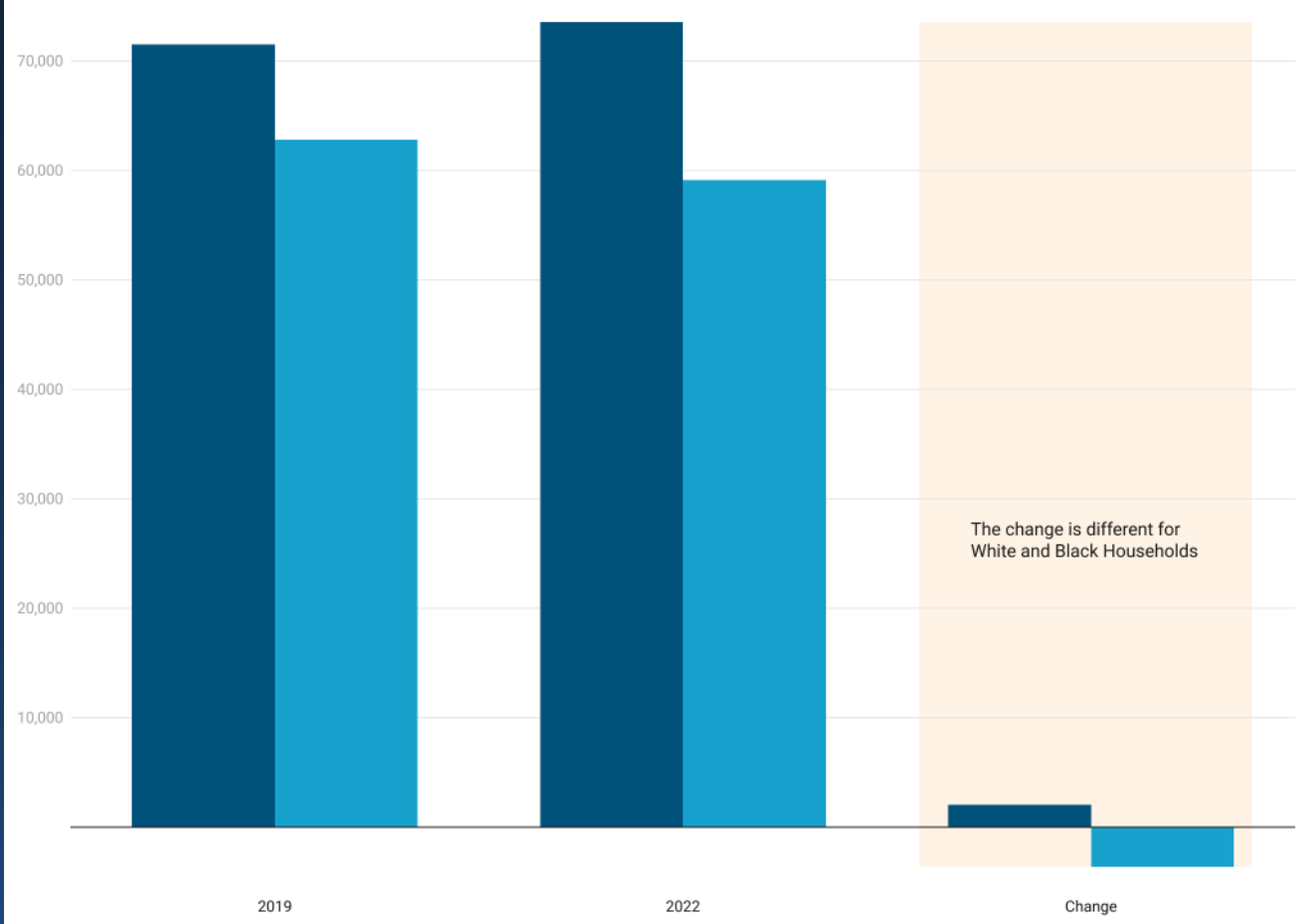
Source: U.S. Census ACS 1 Year Estimates 2010-2022. Chart Created by J.S. Onésimo Sandoval, Computational Spatial Demography Lab, Saint Louis University.

10. FAMILIES WITH CHILDREN ARE IN DECLINE

Household Composition

Saint Louis City Household Type

White Black



The change is different for White and Black Households

About 50% of Households in Saint Louis are White Non-Hispanic

There is a Significant Decline in Families with Children in Saint Louis City

Change in Households with Children under 18 Years in Saint Louis City (2019-2022)

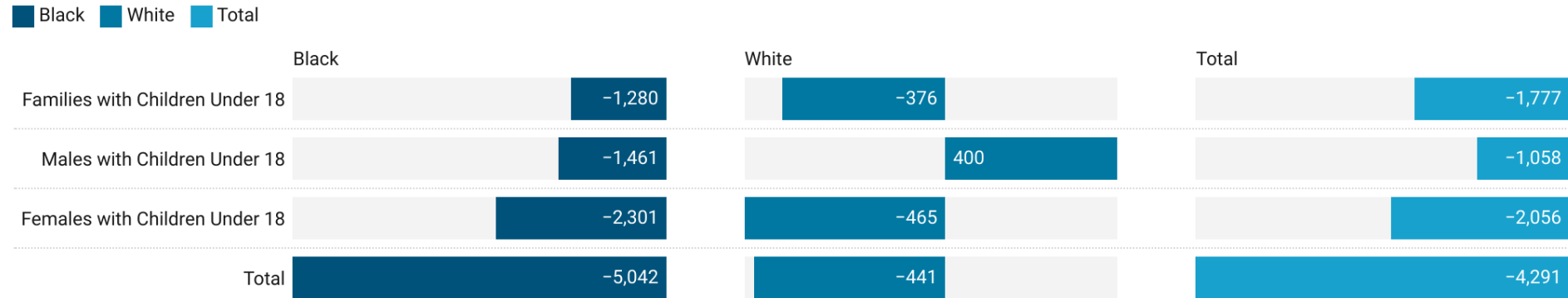


Chart Created by Ness Sandoval, Saint Louis University

Source: U.S. Census Bureau, 1 ACS Estimates, 2019-2022. • Created with Datawrapper

11. DEMOGRAPHIC TRANSITIONS IN SAINT LOUIS CITY

Deaths and Births

Saint Louis MSA and Counties

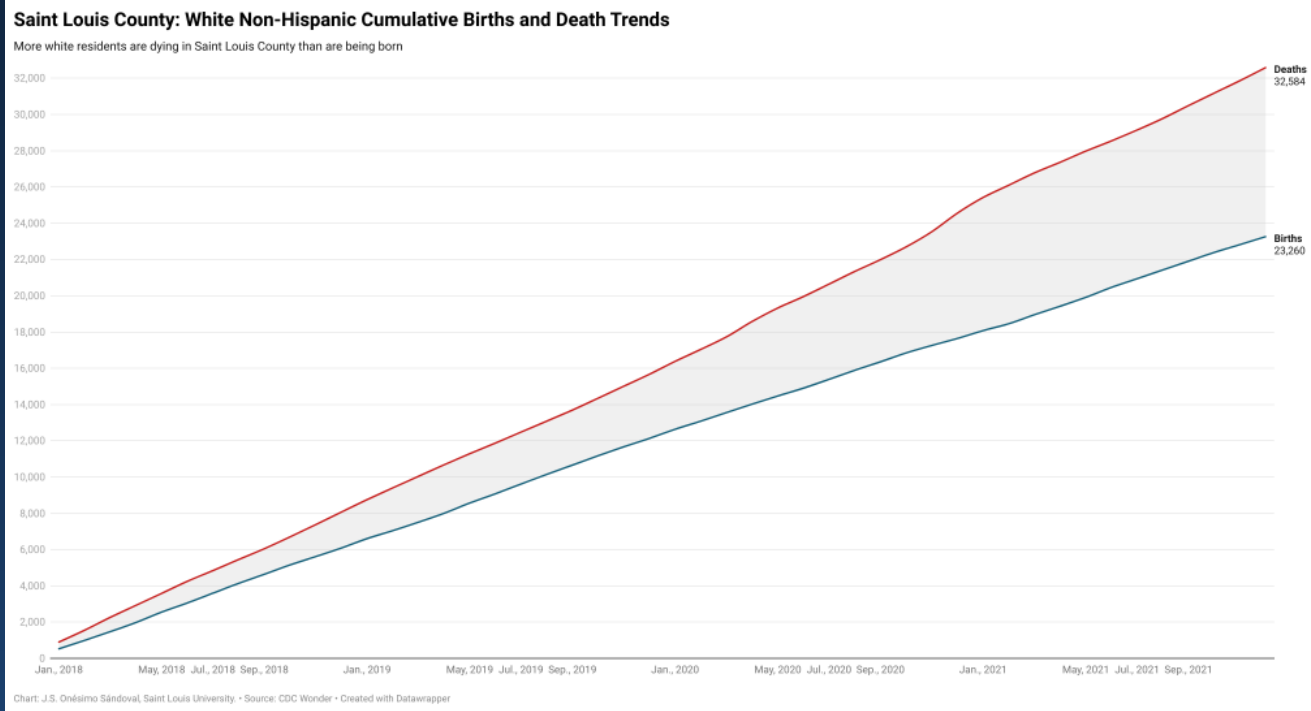
County	Population	Population Change	Natural Change	Births	Deaths	Total	International	Domestic
St. Louis City, Missouri	281,754	-4,439	316	3,415	3,099	-4,705	698	-5,403
St. Louis County, Missouri	987,059	-3,732	-329	10,035	10,364	-3,467	2,107	-5,574
St. Clair County, Illinois	251,018	-1,247	-607	2,168	2,775	-654	223	-877
Madison County, Illinois	262,752	-820	-919	2,189	3,108	94	122	-28
Clinton County, Illinois	36,785	-152	7	375	368	-163	38	-201
Macoupin County, Illinois	44,018	-105	-266	369	635	161	23	138
Jersey County, Illinois	21,091	-100	-141	151	292	42	14	28
Bond County, Illinois	16,450	-86	-73	130	203	-13	8	-21
Monroe County, Illinois	34,957	-44	-213	134	347	172	0	172
Calhoun County, Illinois	4,317	-36	-55	27	82	19	0	19
<i>Warren County, Missouri</i>	<i>37,806</i>	<i>516</i>	<i>18</i>	<i>440</i>	<i>422</i>	<i>492</i>	<i>-1</i>	<i>493</i>
<i>Franklin County, Missouri</i>	<i>106,404</i>	<i>611</i>	<i>-155</i>	<i>1,090</i>	<i>1,245</i>	<i>769</i>	<i>15</i>	<i>754</i>
<i>Lincoln County, Missouri</i>	<i>64,699</i>	<i>1,517</i>	<i>221</i>	<i>813</i>	<i>592</i>	<i>1,295</i>	<i>22</i>	<i>1,273</i>
<i>Jefferson County, Missouri</i>	<i>231,230</i>	<i>2,010</i>	<i>-46</i>	<i>2,281</i>	<i>2,327</i>	<i>2,059</i>	<i>37</i>	<i>2,022</i>
<i>St. Charles County, Missouri</i>	<i>416,659</i>	<i>2,861</i>	<i>725</i>	<i>4,078</i>	<i>3,353</i>	<i>2,152</i>	<i>550</i>	<i>1,602</i>
Total	2,796,999	-3,246	-1,517	27,695	29,212	-1,747	3,856	-5,603

Saint Louis MSA Cumulative Estimates 2020-2023

Population Decline in the St. Louis MSA: A Loss of 23K Residents Since 2020

County	▲ Population Change	Natural Change	Births	Deaths	Net Migration	International	Domestic
Saint Louis MSA Total	-23,286	-9,057	94,365	103,422	-15,150	10,743	-25,893
St. Louis city, Missouri	-19,811	448	11,646	11,198	-20,187	2,090	-22,277
St. Louis County, Missouri	-17,246	-4,040	33,534	37,574	-13,862	6,027	-19,889
St. Clair County, Illinois	-6,394	-1,610	8,172	9,782	-4,874	420	-5,294
Madison County, Illinois	-3,116	-2,787	8,043	10,830	-459	260	-719
Macoupin County, Illinois	-955	-864	1,279	2,143	-96	45	-141
Jersey County, Illinois	-427	-451	553	1,004	19	27	-8
Bond County, Illinois	-275	-213	461	674	-64	18	-82
Calhoun County, Illinois	-121	-119	114	233	1	0	1
Clinton County, Illinois	-108	24	1,261	1,237	-148	81	-229
Monroe County, Illinois	4	-413	760	1,173	415	3	412
Franklin County, Missouri	1,715	-713	3,566	4,279	2,392	44	2,348
Warren County, Missouri	2,278	-14	1,360	1,374	2,308	-3	2,311
Jefferson County, Missouri	4,661	-459	7,631	8,090	5,012	116	4,896
Lincoln County, Missouri	5,121	633	2,582	1,949	4,490	41	4,449
St. Charles County, Missouri	11,388	1,521	13,403	11,882	9,903	1,574	8,329

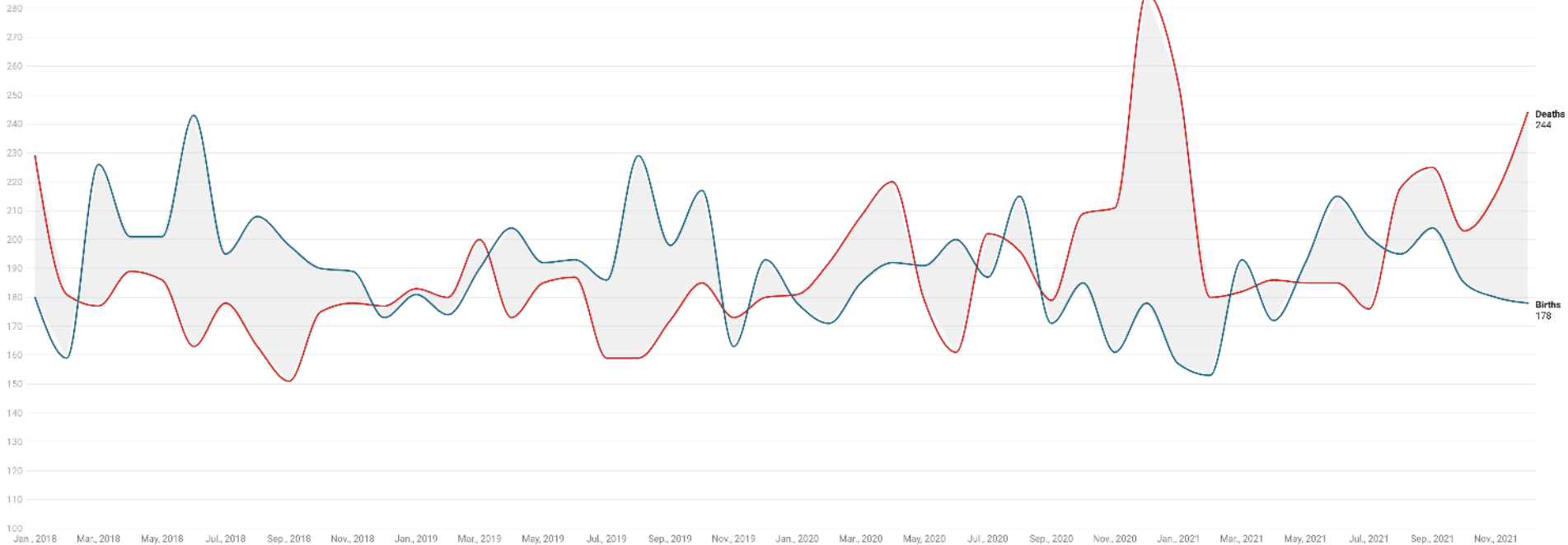
Can the Saint Louis MSA grow if more White residents are dying than are born in Saint Louis County?



Similar to Saint Louis County...

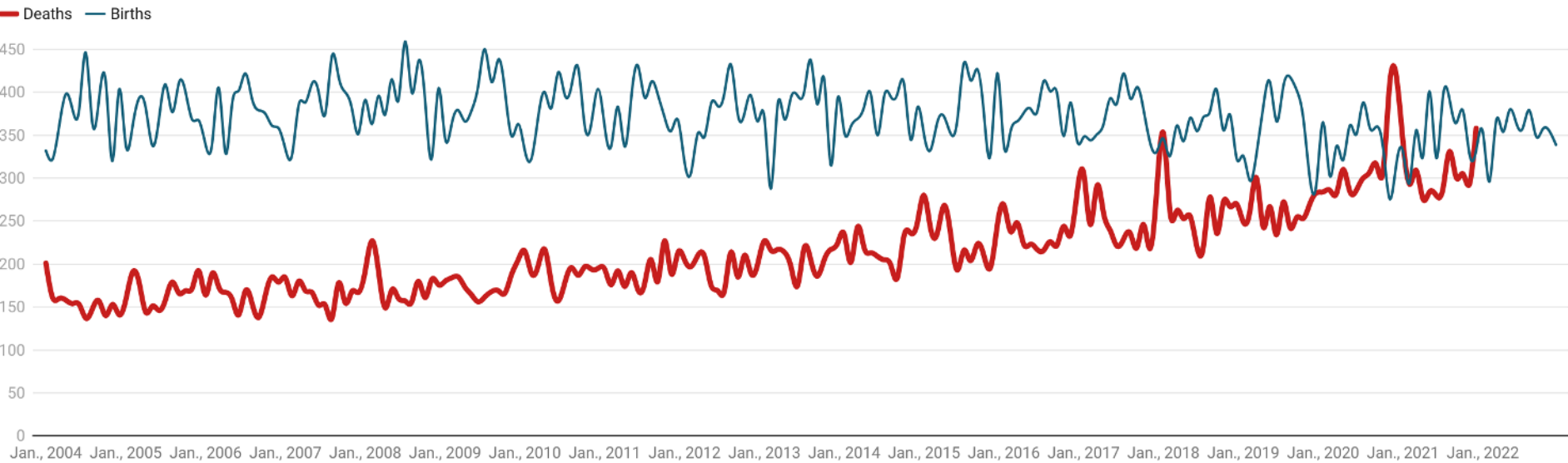
Jefferson County: White Non-Hispanic Cumulative Births and Death Trends

More white residents are dying in Jefferson County than are being born



Trends in Births and Deaths for Saint Charles County, Missouri

Birth and Death Monthly Counts



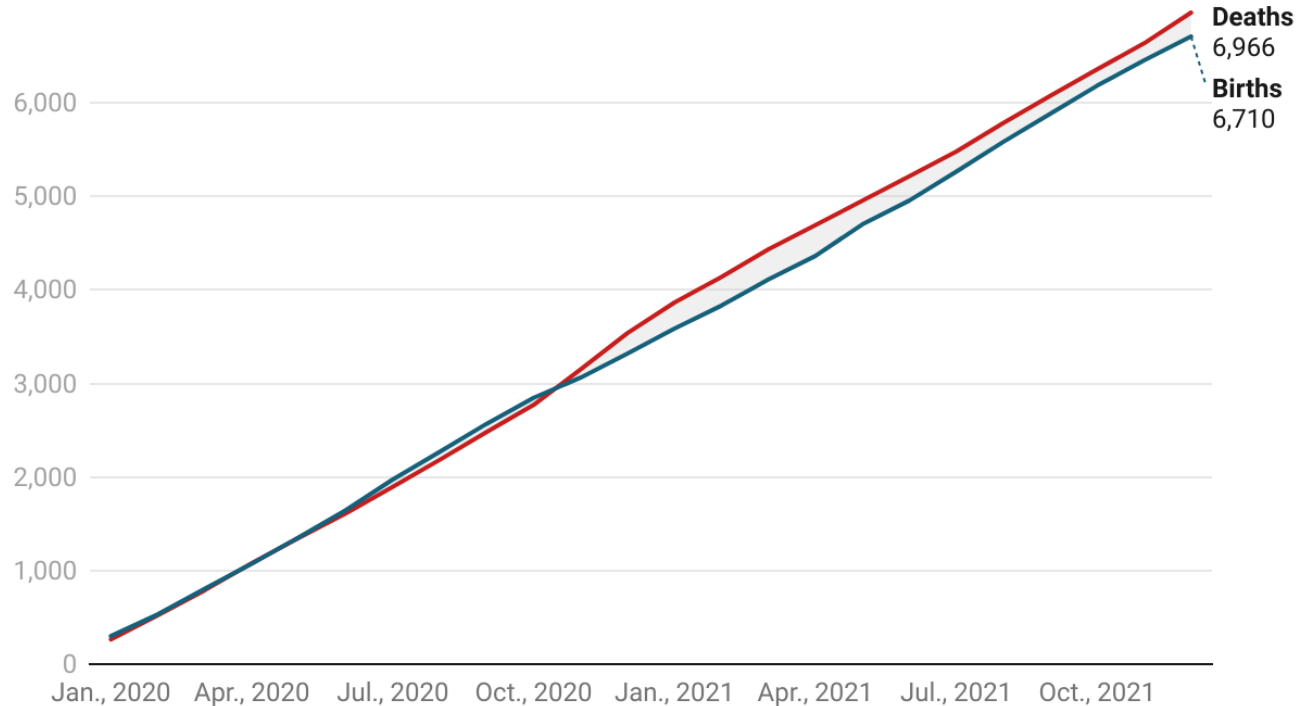
2022 Official Deaths counts have not be reported

Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: <https://wonder.cdc.gov> • Created with Datawrapper

**100% of Natural
Population
Growth in Saint
Charles is from
Racial Minorities**

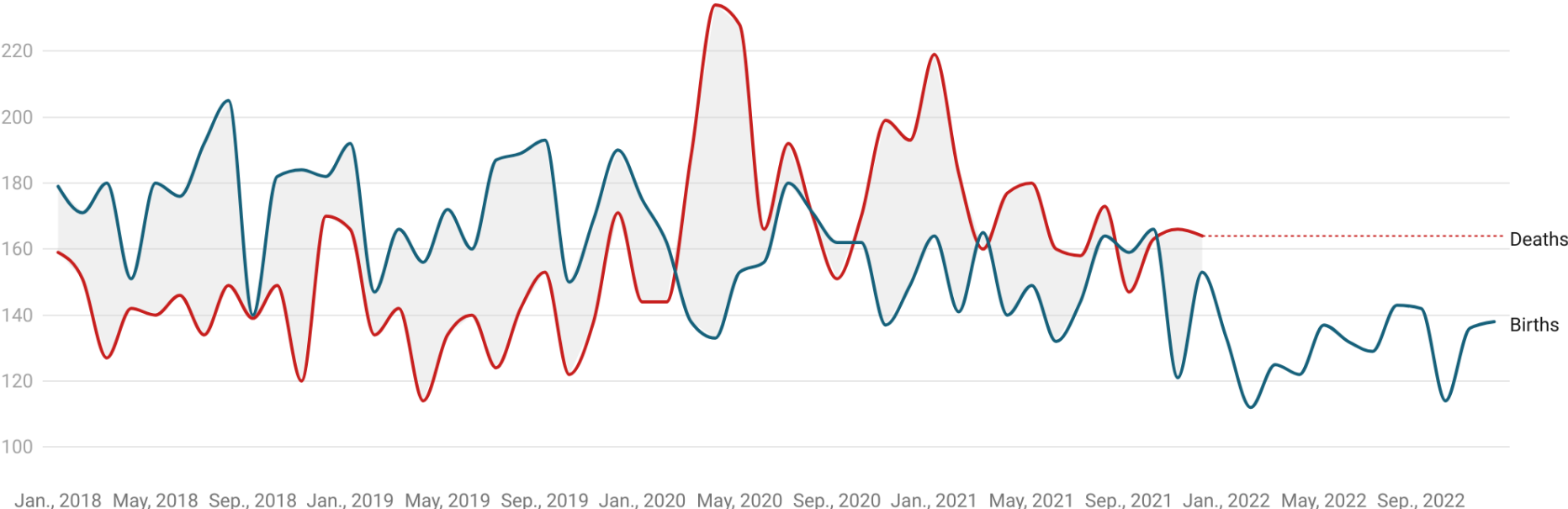
Saint Charles County - White Non-Hispanic Cumulative Births and Deaths 2020-2021

More Whites died than were born starting in 2020. Official death counts for 2022 should be published soon. This could be the start of the demographic winter for White Non-Hispanics in Saint Charles County.



Saint Louis City - African American Non-Hispanic

More African Americans are dying than are being born



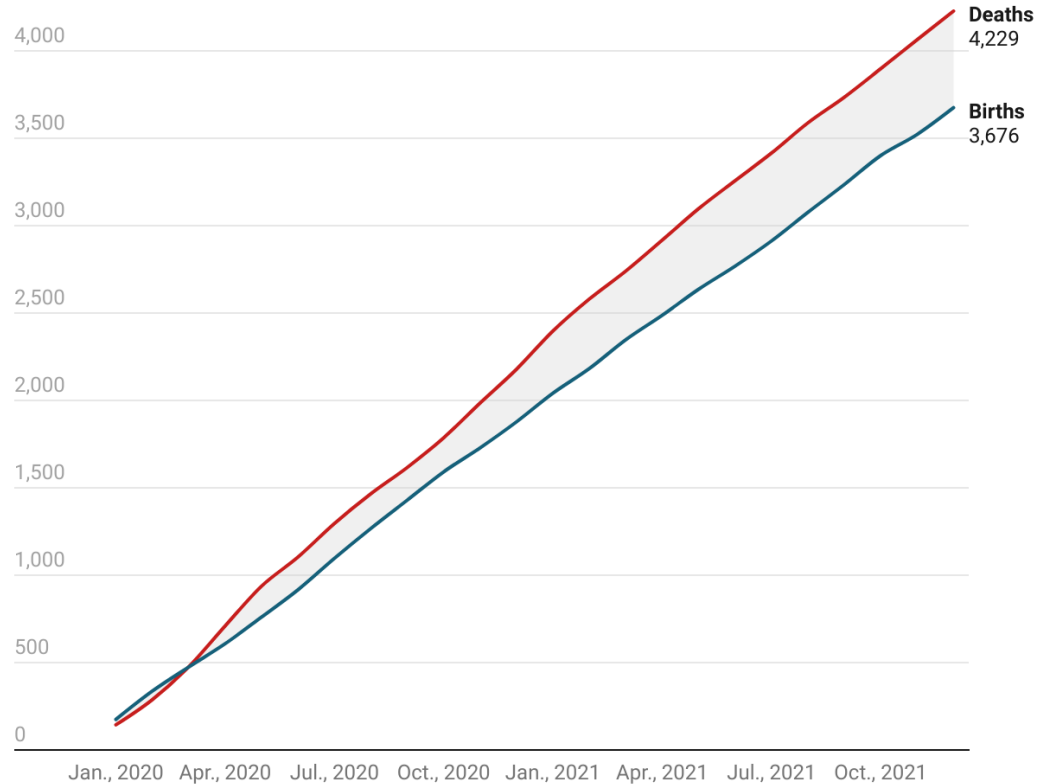
2022 Data has not be published.

Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: www.cdc.gov • Created with Datawrapper

**This trend is
difficult to change
if young mothers
continue to leave
the city**

Saint Louis City - African American Cumulative Births and Deaths 2020-2021

More African Americans died than were born starting in 2020. There were 1,563 births in 2022. Official death counts for 2022 should be published soon. This could be the start of the demographic winter for African Americans in Saint Louis City.



**More Black residents
are dying in every age
cohort than White
residents in Saint
Louis City**

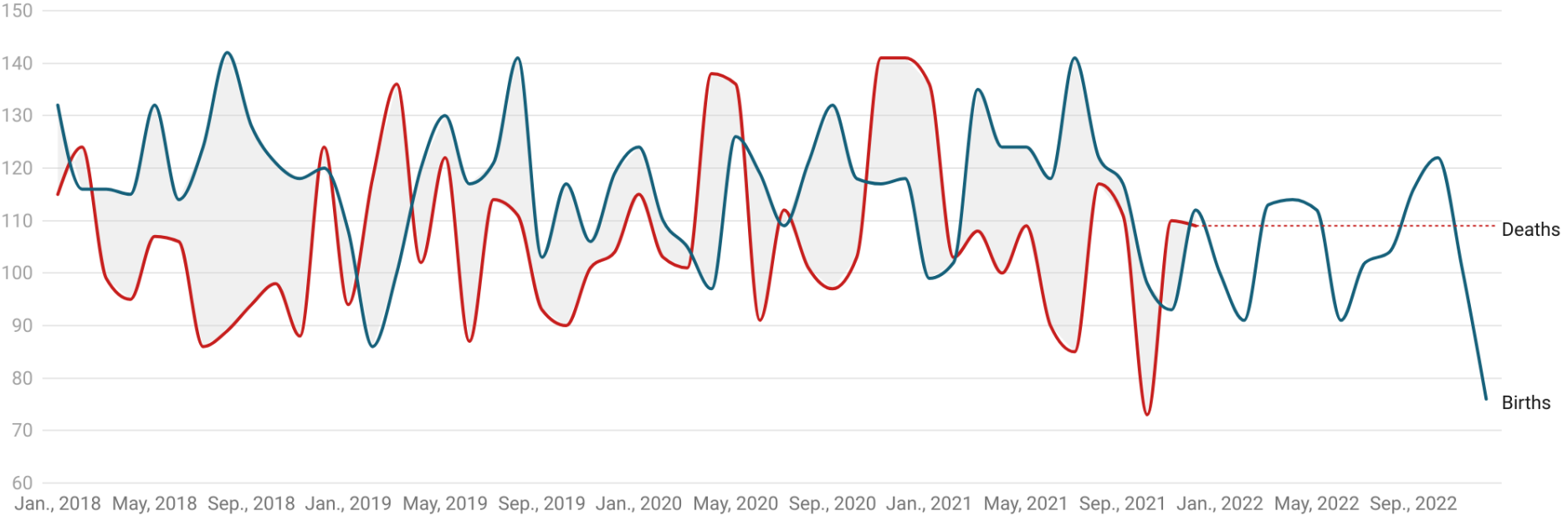
Saint Louis City Deaths by Age 2020-2021

1590 more black residents died than white residents from 2020-2021

Age	Black	White	Difference
< 1 year	50	13	-37
5-14 years	20	4	-16
15-24 years	119	19	-100
25-34 years	288	72	-216
35-44 years	292	113	-179
45-54 years	406	193	-213
55-64 years	882	469	-413
65-74 years	928	623	-305
75-84 years	612	515	-97
85+ years	623	609	-14

Saint Louis City - White - Non-Hispanic

More White are born than are dying

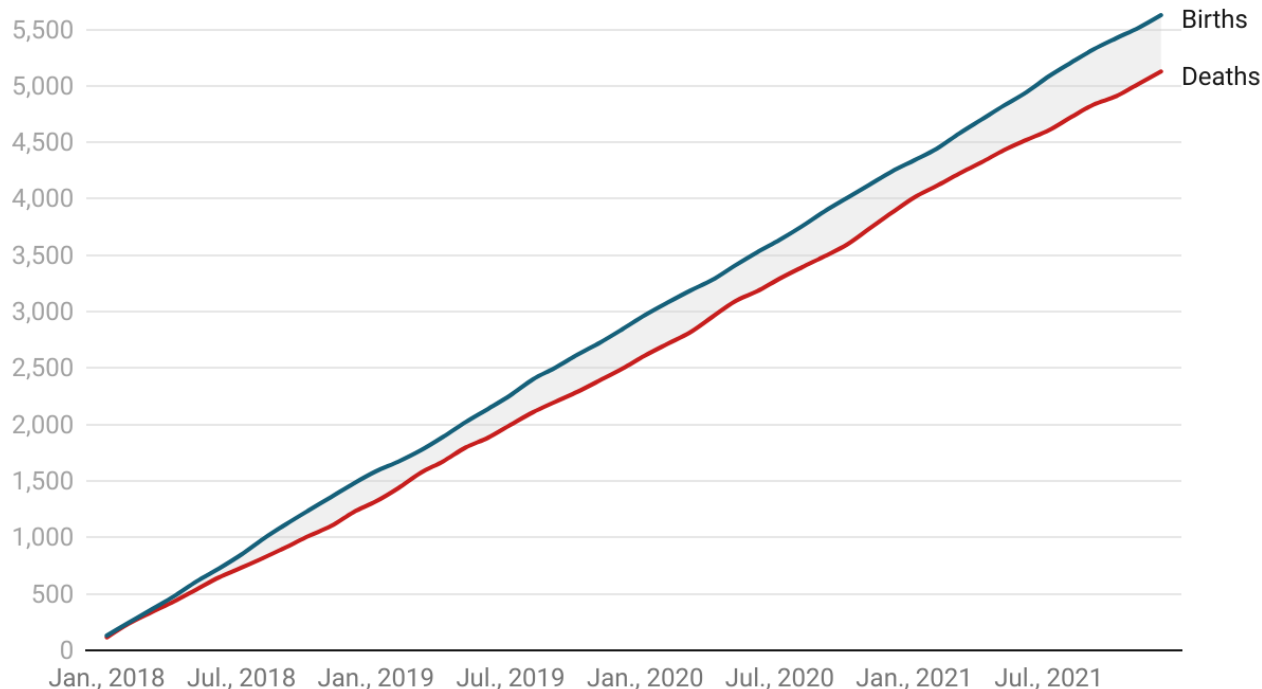


2022 Data has not be published.

Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: www.cdc.gov • Created with Datawrapper

Saint Louis City - White - Non-Hispanic Cumulative Births and Deaths 2020-2021

More White are born than are dying



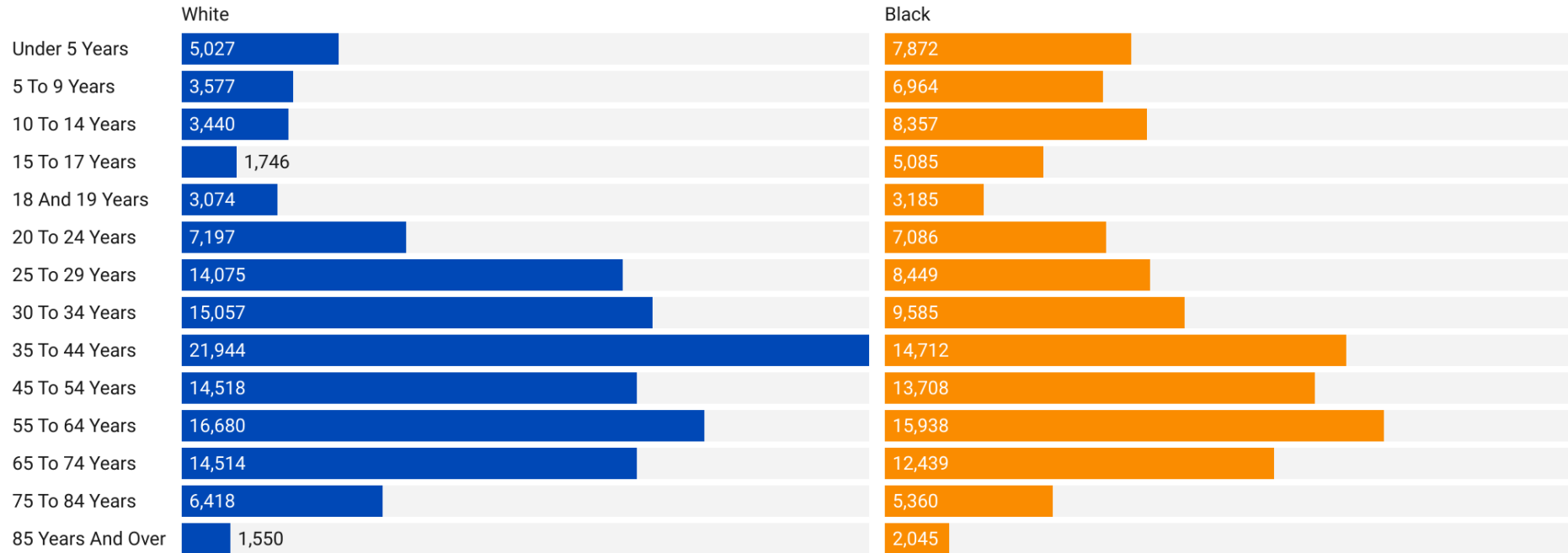
2022 Data has not be published.

Chart: J.S. Onésimo Sandoval, Saint Louis University • Source: www.cdc.gov • Created with Datawrapper

The Ageing Index
for White Non-
Hispanics in Saint
Louis City is .54

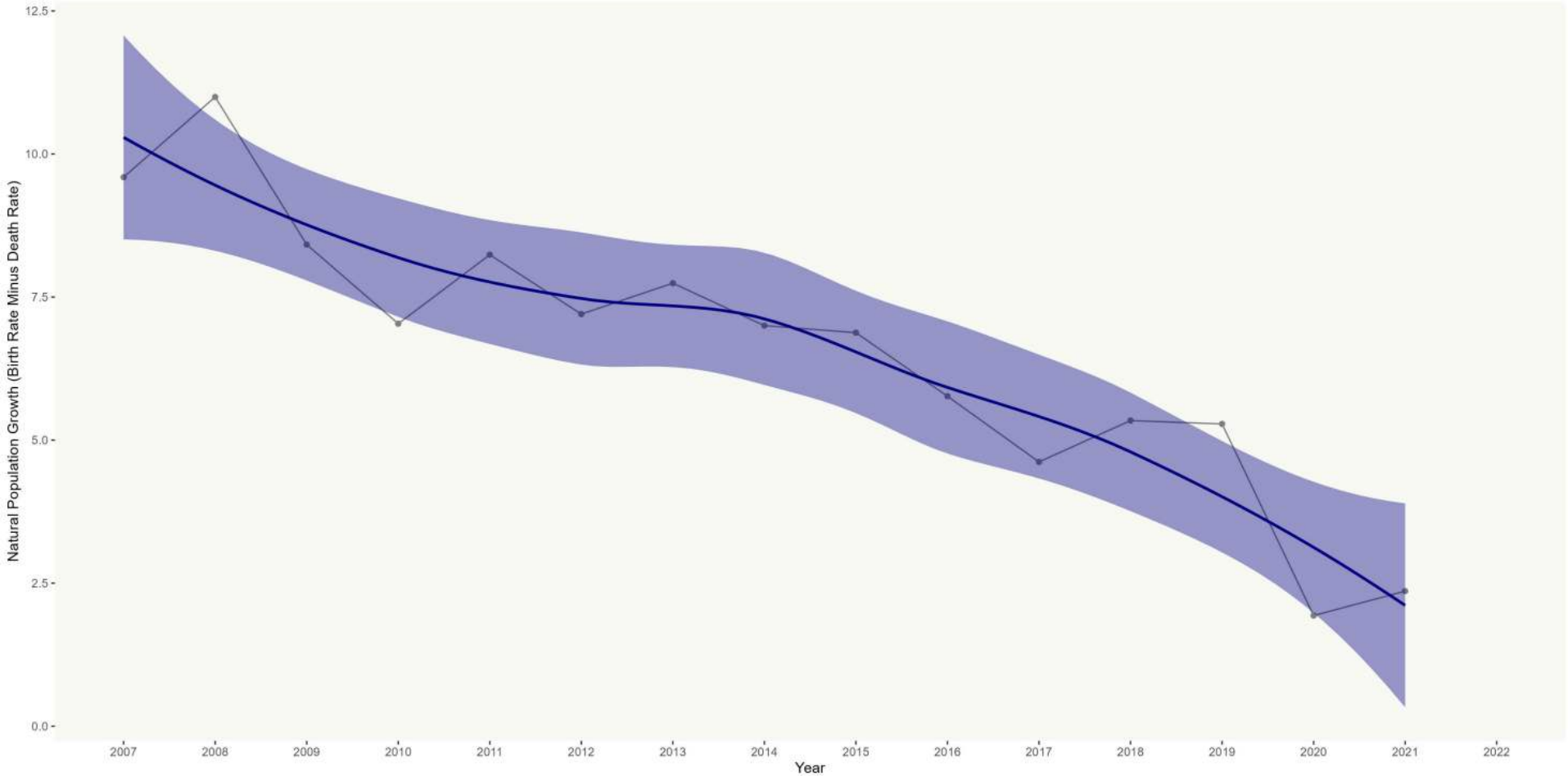
The Black Population is Younger than the White Population in St. Louis City

Saint Louis City - White and Black Age Comparison 2022



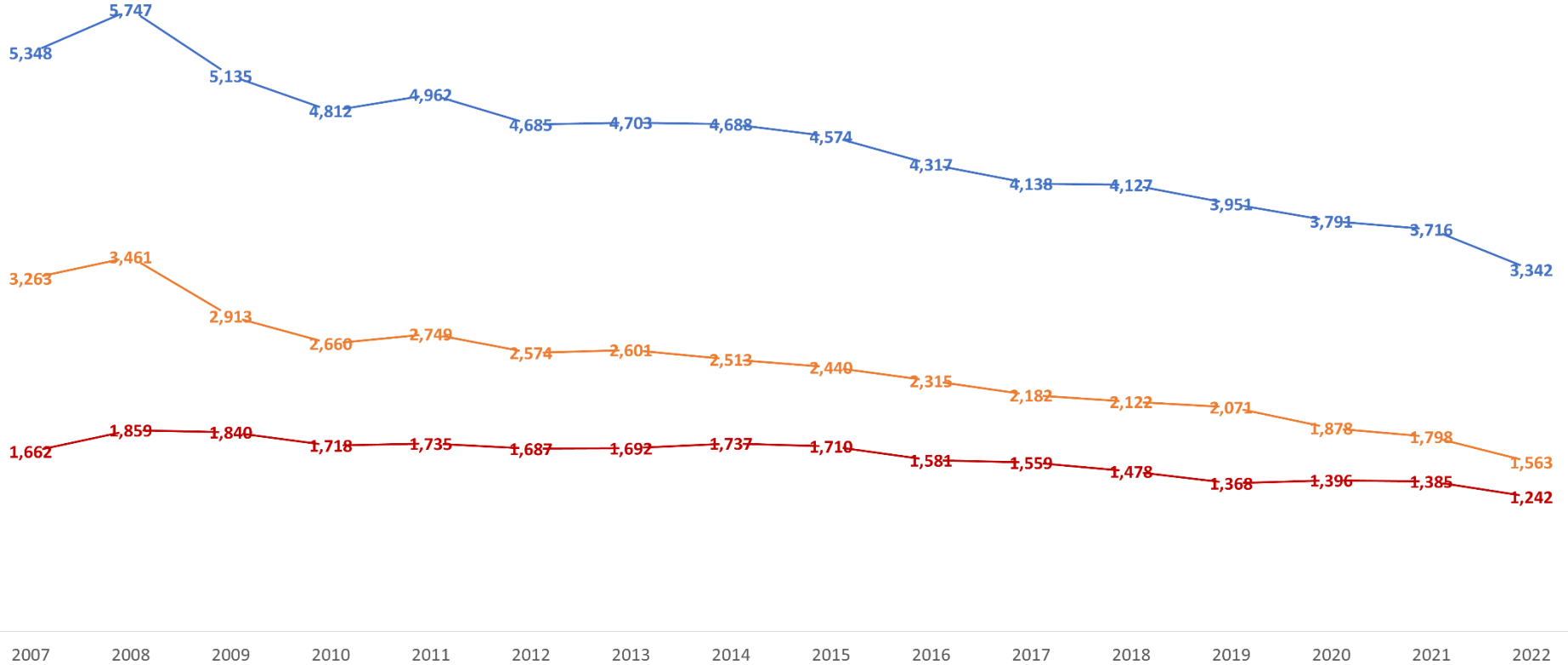
Saint Louis City

Rate of Natural Increase



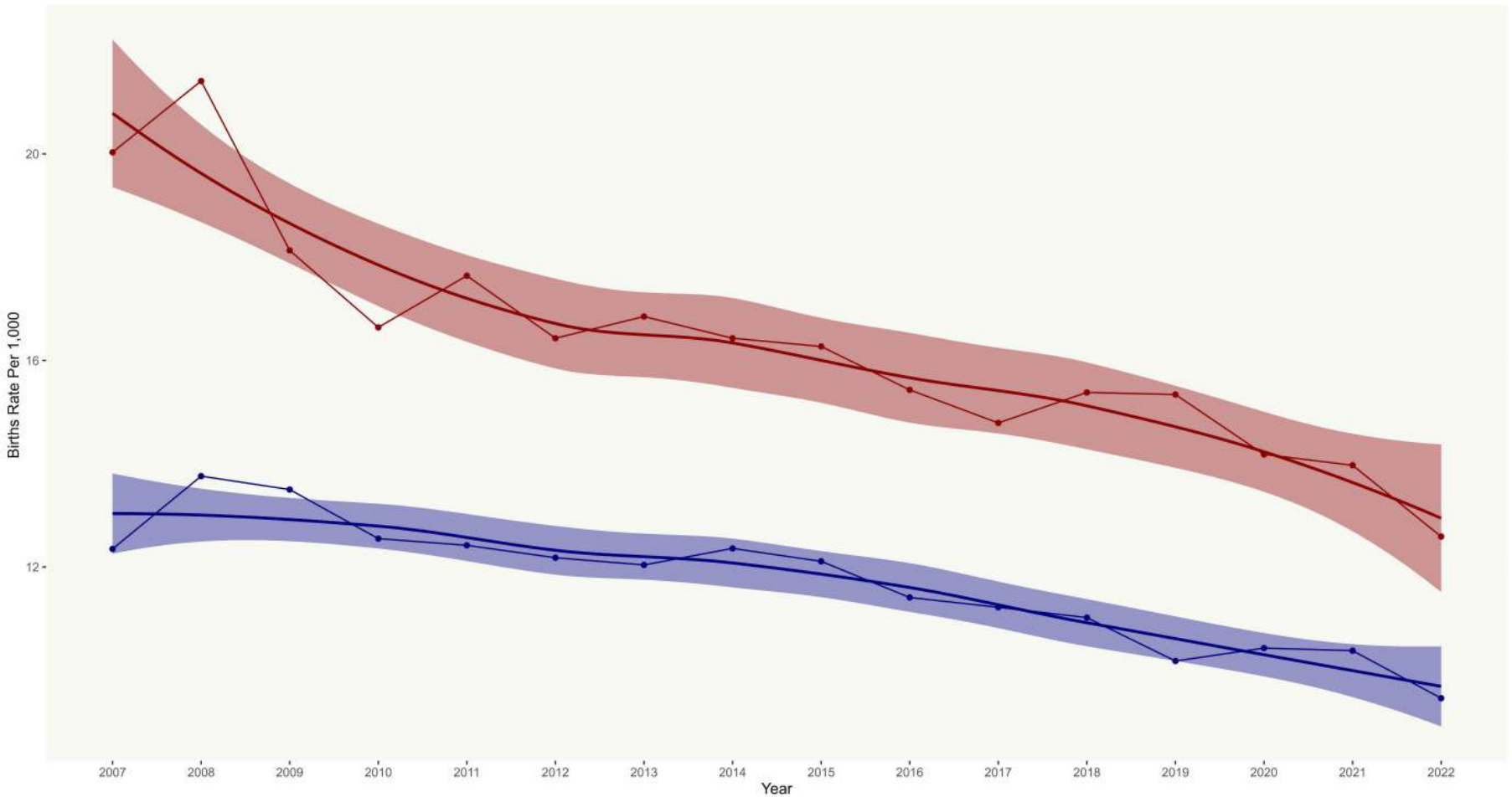
BIRTHS IN SAINT LOUIS CITY (2007-2022)

— Total — Black — White



Saint Louis City

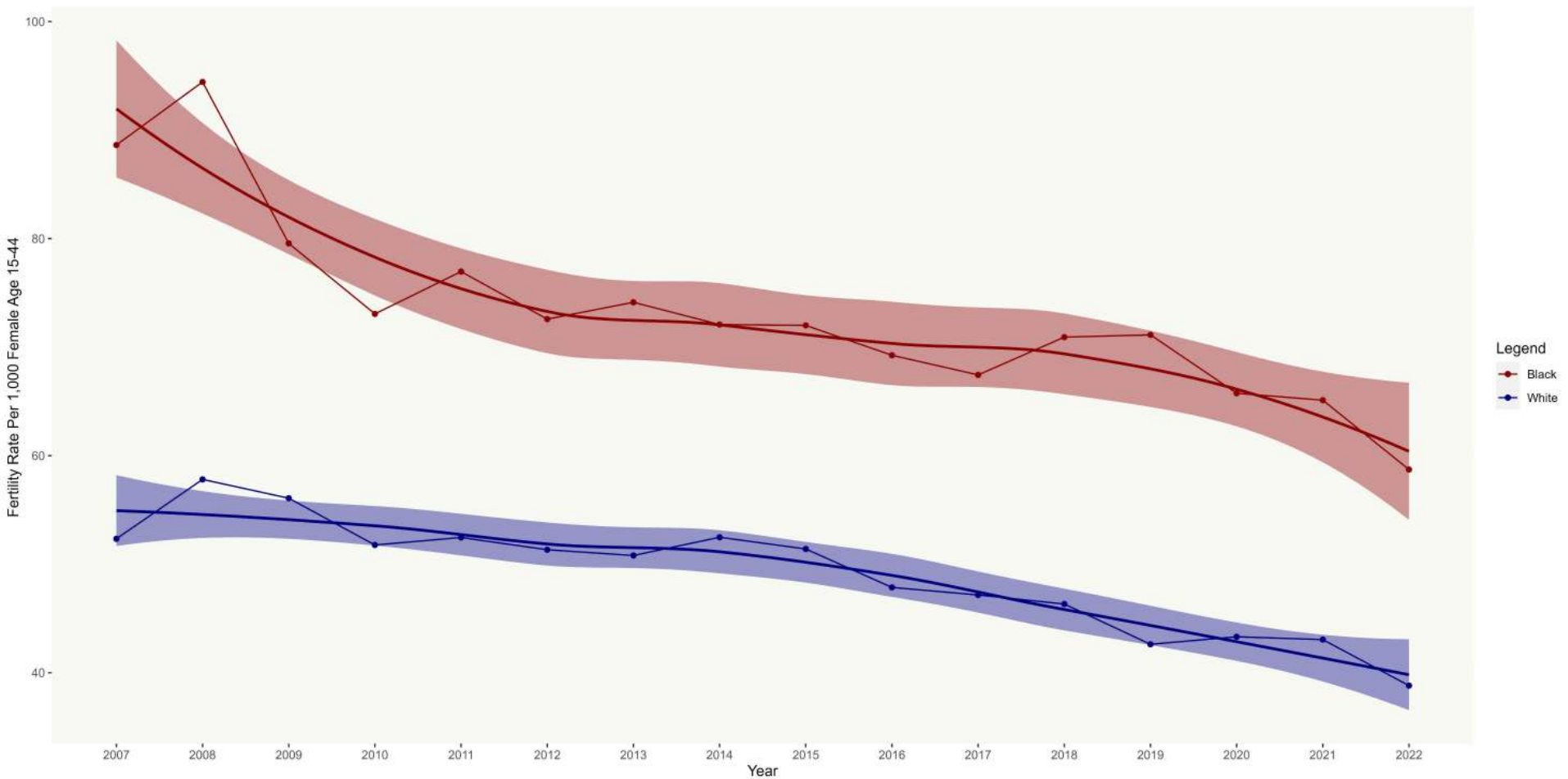
Birth Rates



Legend
Black
White

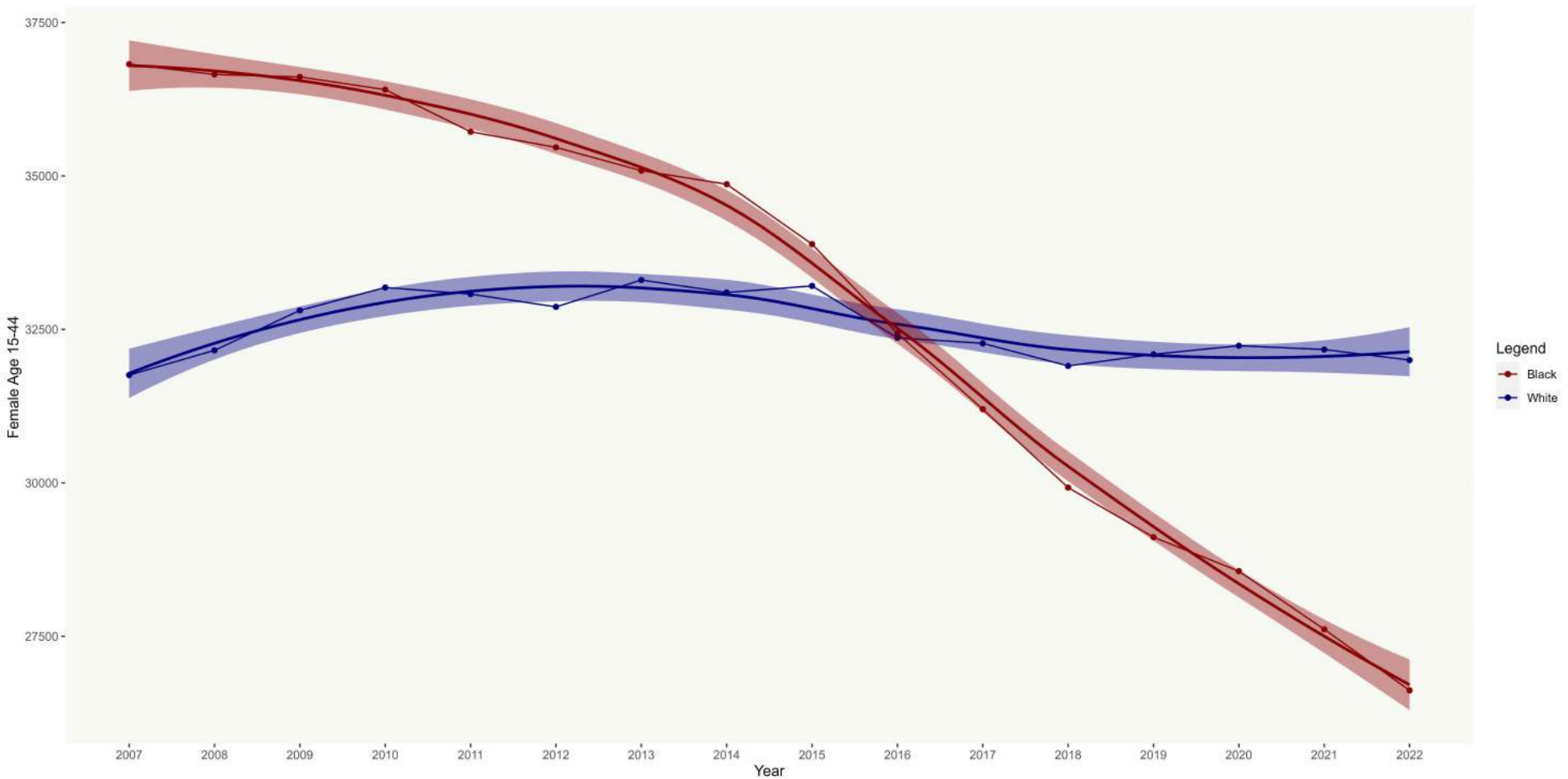
Saint Louis City

Fertility Rates



Saint Louis City

Female Population Age 15-44



12. SELECT CITY COMPARISON WITH EAST ST. LOUIS CITY

East St. Louis City has experienced a 32% decline in total population

Select City Comparison - Population Change

City	2010	2022	Change	Percent Change
East St. Louis	27,750	18,796	-8,954	-32
Arnold	20,753	20,840	87	0
Chesterfield	47,253	49,645	2,392	5
Florissant	52,462	52,167	-295	-1
St. Charles	65,374	70,687	5,313	8

Table: J.S. Onésimo Sandoval, Saint Louis University • Source: www.census.gov • Created with Datawrapper

East St. Louis City has experienced a 31% decline in households

Select City Comparison - Household Change

City	2010	2020	Change	Percent Change
East St. Louis	11,061	7,676	-3,385	-31
Arnold	8,226	8,546	320	4
Chesterfield	18,876	20,447	1,571	8
Florissant	21,647	20,505	-1,142	-5
St. Charles	26,363	29,760	3,397	13

Table: J.S. Onésimo Sandoval, Saint Louis University • Source: www.census.gov • Created with Datawrapper

East St. Louis City has experienced a 45% decline in families

Select City Comparison - Families

City	2010	2020	Change	Percent Change
East St. Louis	6,587	3,603	-2,984	-45
Arnold	5,780	5,526	-254	-4
Chesterfield	13,379	14,379	1,000	7
Florissant	13,792	12,890	-902	-7
St. Charles	16,633	17,347	714	4

Table: J.S. Onésimo Sandoval, Saint Louis University • Source: www.census.gov • Created with Datawrapper

**13. DEMOGRAPHIC TRANSITIONS IN SAINT LOUIS
CITY AND METROPOLITAN REGION
School Aged Residents**

With deaths exceeding births in Missouri for the third straight year in 2022, schools can expect more empty desks for the foreseeable future.



Source: https://www.stltoday.com/news/local/education/school-enrollment-drops-in-kirkwood-amid-falling-birth-rates/article_f367fb58-779d-11ee-a12b-9b1439702a90.html#tracking-source=home-top-story

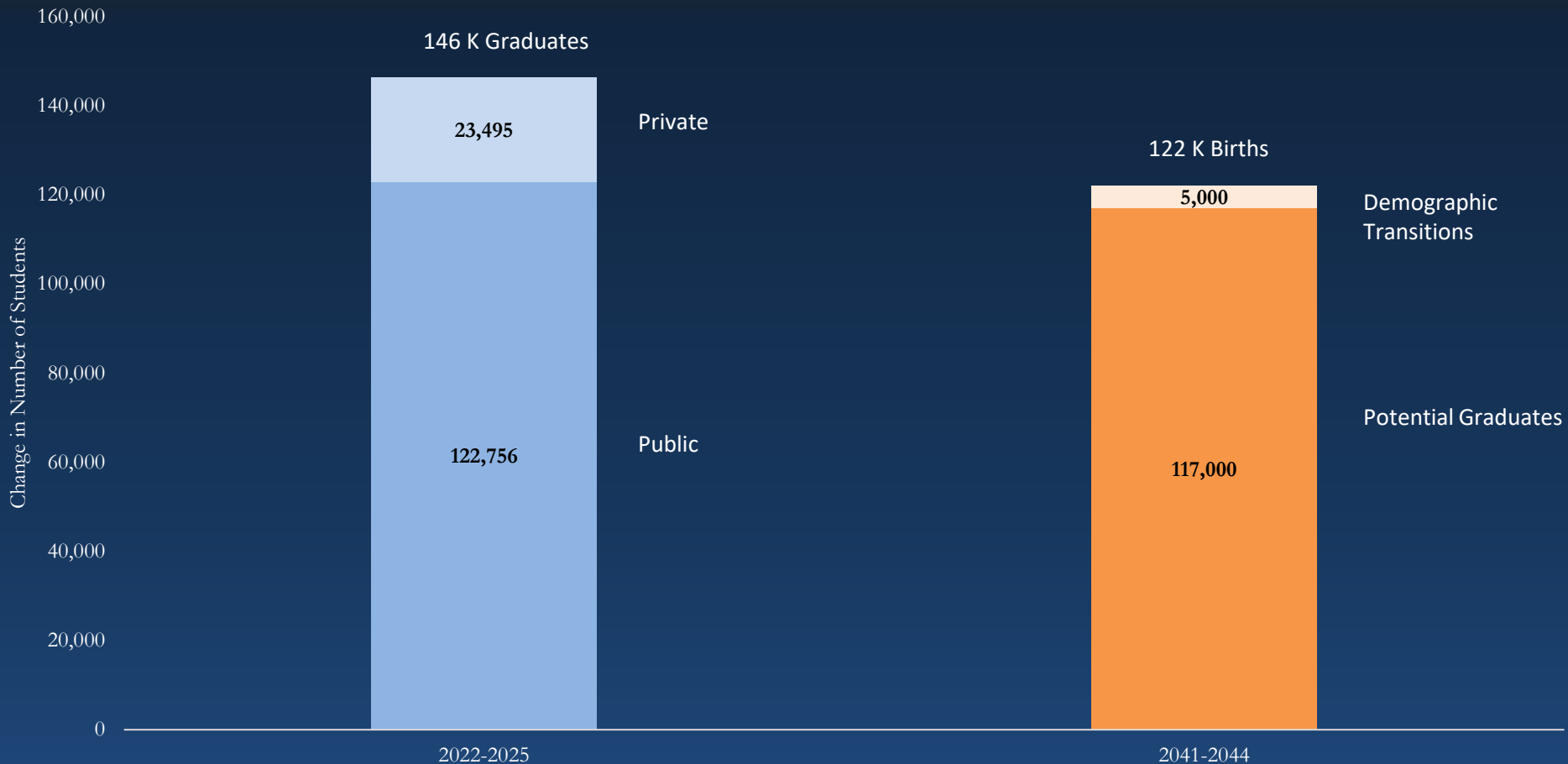
Fewer than 120 students are enrolled for the 2024-2025 school year, the archdiocese said.



From stltoday.com

https://www.stltoday.com/news/local/education/st-monica-in-creve-coeur-becomes-latest-catholic-school-to-close-because-of-low-enrollment/article_808ac10e-fe90-11ee-b516-fb4737dafbf6.html?utm_medium=social&utm_source=twitter_stltoday

Saint Louis Metropolitan Region Potential Graduates



14. SUMMARY

What outcomes should we be prepared for?

- **Short-Term**
 - The MSA is expected to decline to 24
- **The MSA region requires a younger demographic**
 - Families with children
 - U.S. residents should be able to pursue the American Dream in St. Louis.
- **Saint Louis City is forecasted to become a white-majority city if current trends persist**
 - Challenges include the declining families with children, concerns about school quality, crime rates, and the availability of affordable housing and jobs.
- **Saint Louis MSA faces Demographic Hurdles**
 - Deaths surpassing births
 - A declining Black population
 - Higher out-migration compared to in-migration



Source of the Image: Justin Barr
STLFromAbove

If Nothing Changes by 2030....

“Although regional economic development strategies usually seek to expand the clientele and workforces of local businesses by attracting more people to a given geographical area, ...planning for a future that reflects the population trends...which are relatively flat population growth into the future... You can build a prosperous, high-quality-of-life region, but it doesn't necessarily need to come from population growth.”



**Thank you!!
Questions?**

Ness Sandoval

ness.sandoval@slu.edu



**SAINT LOUIS
UNIVERSITY.**

— EST. 1818 —

DEMOGRAPHY 4 DEMOCRACY

EMPOWERING TOMORROW'S DREAMERS WITH

KNOWLEDGE TODAY

