Texas Demographic Trends and Characteristics

Texas Transportation Forum
January 30, 2023
Austin, Texas

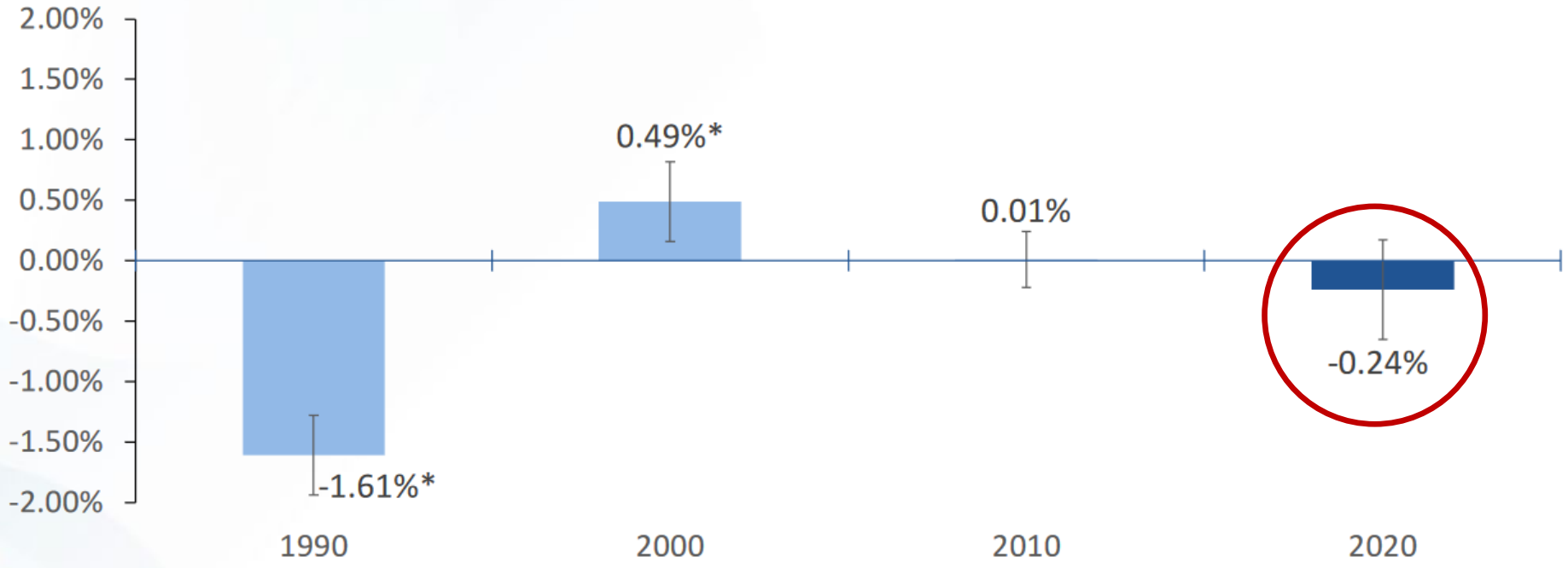
TEXAS DEMOGRAPHIC CENTER

States with Most Population Growth, 2010 to 2020

	2010 Population	2020 Population	Numeric Change 2010-2020	Percent Change 2010-2020
United States	308,745,538	331,449,281	22,703,743	7.4%
Texas	**25,145,561**	**29,145,505**	**3,999,944**	**15.9%**
Florida	18,801,310	21,538,187	2,736,877	14.6%
California	37,253,956	39,538,223	2,284,267	6.1%
Georgia	9,687,653	10,711,908	1,024,255	10.6%
Washington	6,724,540	7,705,281	980,741	14.6%
North Carolina	9,535,483	10,439,388	903,905	9.5%
New York	19,378,102	20,201,249	823,147	4.2%
Arizona	6,392,017	7,151,502	759,485	11.9%
Colorado	5,029,196	5,773,714	744,518	14.8%
Virginia	8,001,024	8,631,393	630,369	7.9%
Tennessee	6,346,105	6,910,840	564,735	8.9%
Utah	2,763,885	3,271,616	507,731	18.4%

SOURCE: US Census Bureau 2010 and 2020 Census Count and 2021 Population Estimates

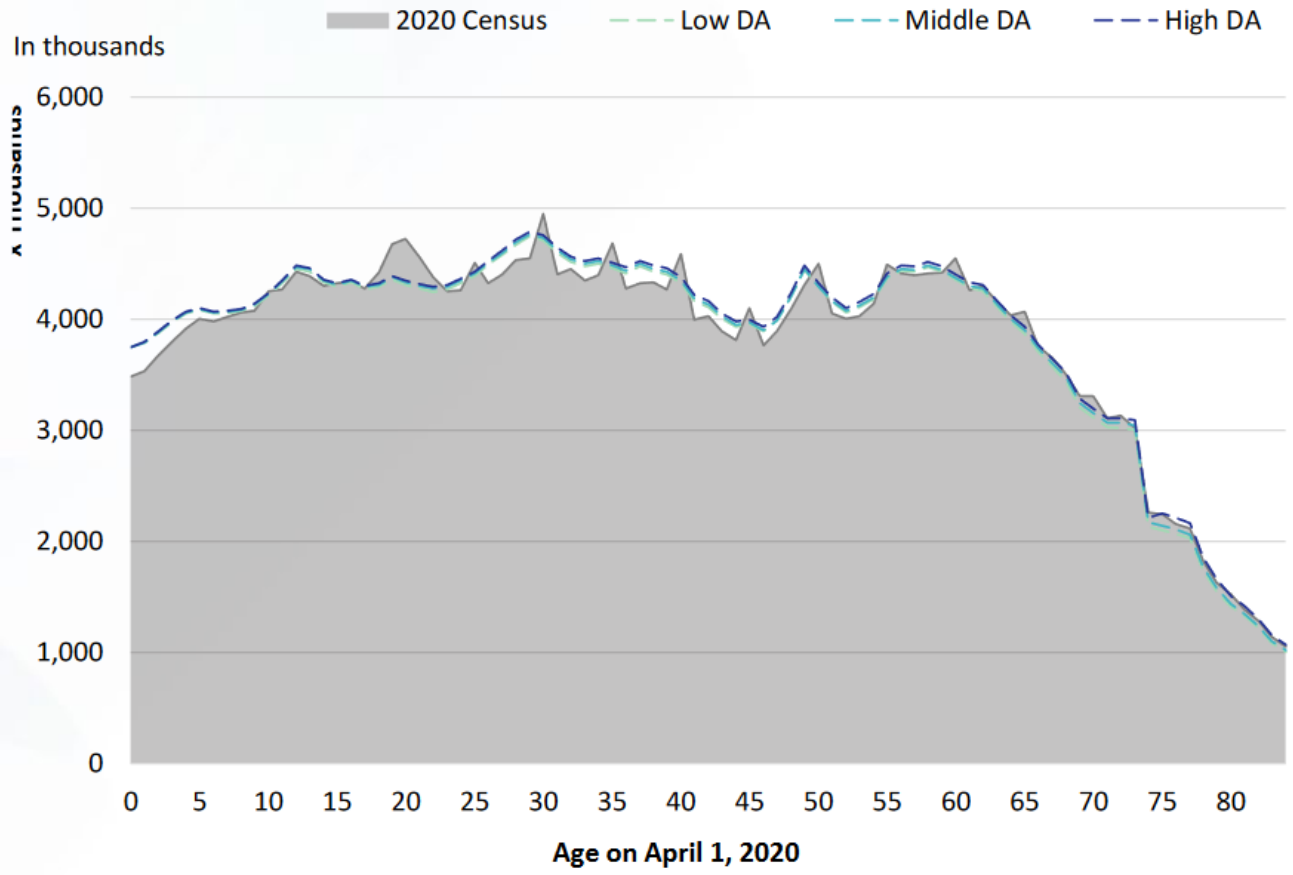
U.S. Total Percent Net Coverage Error: 1990 to 2020



*Net coverage error is statistically significantly different from 0.

United States Census 2020

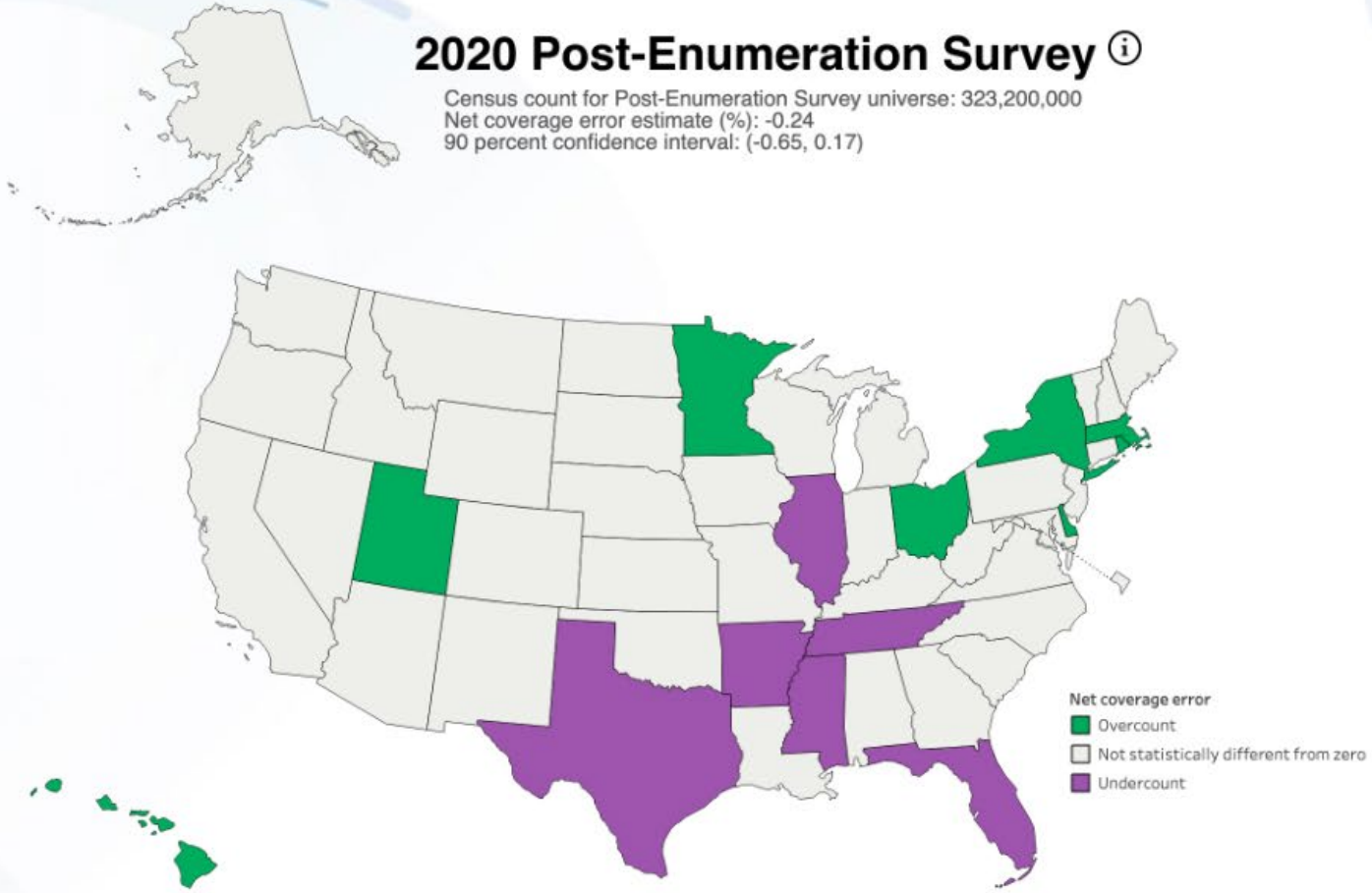
Resident Population by Single Year of Age in the 2020 Census and 2020 Demographic Analysis (DA) Estimates



Source: U.S. Census Bureau, Population Division, 2020 Demographic Analysis (December 2020 release), and 2020 Census special tabulation (DRB Approval Number: CBDRB-FY22-DSEP-001).

2020 Post-Enumeration Survey

Census count for Post-Enumeration Survey universe: 323,200,000
Net coverage error estimate (%): -0.24
90 percent confidence interval: (-0.65, 0.17)



Note: Post-Enumeration Survey (PES) estimates are subject to sampling and nonsampling errors. The PES universe does not include people living in group quarters. More information regarding data collection, definitions, sampling error, nonsampling error, and estimation methodology is available at the Post-Enumeration Surveys site.

Source: U.S. Census Bureau, 2020 Post-Enumeration Survey (May 2022 release)

United States Census 2020

States With an Undercount or Overcount

Undercount

State	Net coverage error rate	
	Rate	90 percent confidence interval
Arkansas	–5.04	–8.68 to –1.40
Florida	–3.48	–4.98 to –1.98
Illinois	–1.97	–3.43 to –0.51
Mississippi	–4.11	–6.79 to –1.43
Tennessee	–4.78	–7.26 to –2.30
Texas	–1.92	–3.27 to –0.57

Overcount

State	Net coverage error rate	
	Rate	90 percent confidence interval
Delaware	5.45	0.81 to 10.09
Hawaii	6.79	4.03 to 9.55
Massachusetts	2.24	0.50 to 3.98
Minnesota	3.84	2.24 to 5.44
New York	3.44	1.89 to 4.99
Ohio	1.49	0.39 to 2.59
Rhode Island	5.05	2.70 to 7.40
Utah	2.59	0.57 to 4.61

May 19, 2022

United States Census 2020

Texas had an undercount of -0.97 in 2010 (not statistically different from 0)

Percent Net Coverage Error by Race and Hispanic Origin: 2010 and 2020

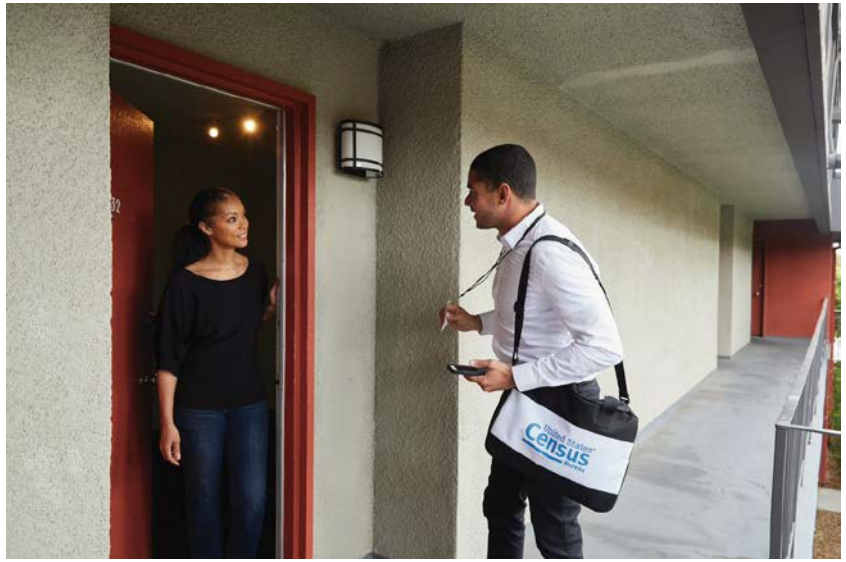
Race or Hispanic Origin	2010	2020	Is there a significant difference between 2020 and 2010?
Total	0.01	-0.24	
Race alone or in combination			
White	0.54*	0.66*	No
Non-Hispanic White alone	**0.83***	**1.64***	**Yes**
Black or African American	-2.06*	-3.30*	No
Asian	**0.00**	**2.62***	**Yes**
American Indian or Alaska Native	-0.15	-0.91*	No
On Reservation	-4.88*	-5.64*	No
American Indian Areas Off Reservation	3.86	3.06	No
Balance of the United States	0.05	-0.86*	No
Native Hawaiian or Other Pacific Islander	-1.02	1.28	No
Some Other Race	**-1.63***	**-4.34***	**Yes**
Hispanic or Latino	**-1.54***	**-4.99***	**Yes**

*Net coverage error is statistically significantly different from 0.

Census Bureau's Commitment to Data Stewardship

Data stewardship is central to the Census Bureau's mission to produce high-quality statistics about the people and economy of the United States.

The Census Bureau's commitment to protect the privacy of respondents and the confidentiality of their data is both a legal obligation and a core component of Census Bureau institutional culture.



The Census Bureau's Privacy Protections Over Time

Throughout its history, the Census Bureau has been at the forefront of the design and implementation of statistical methods to safeguard respondent data.

Over the decades, as we have increased the number and detail of the data products we release, so too have we improved the statistical techniques we use to protect those data.

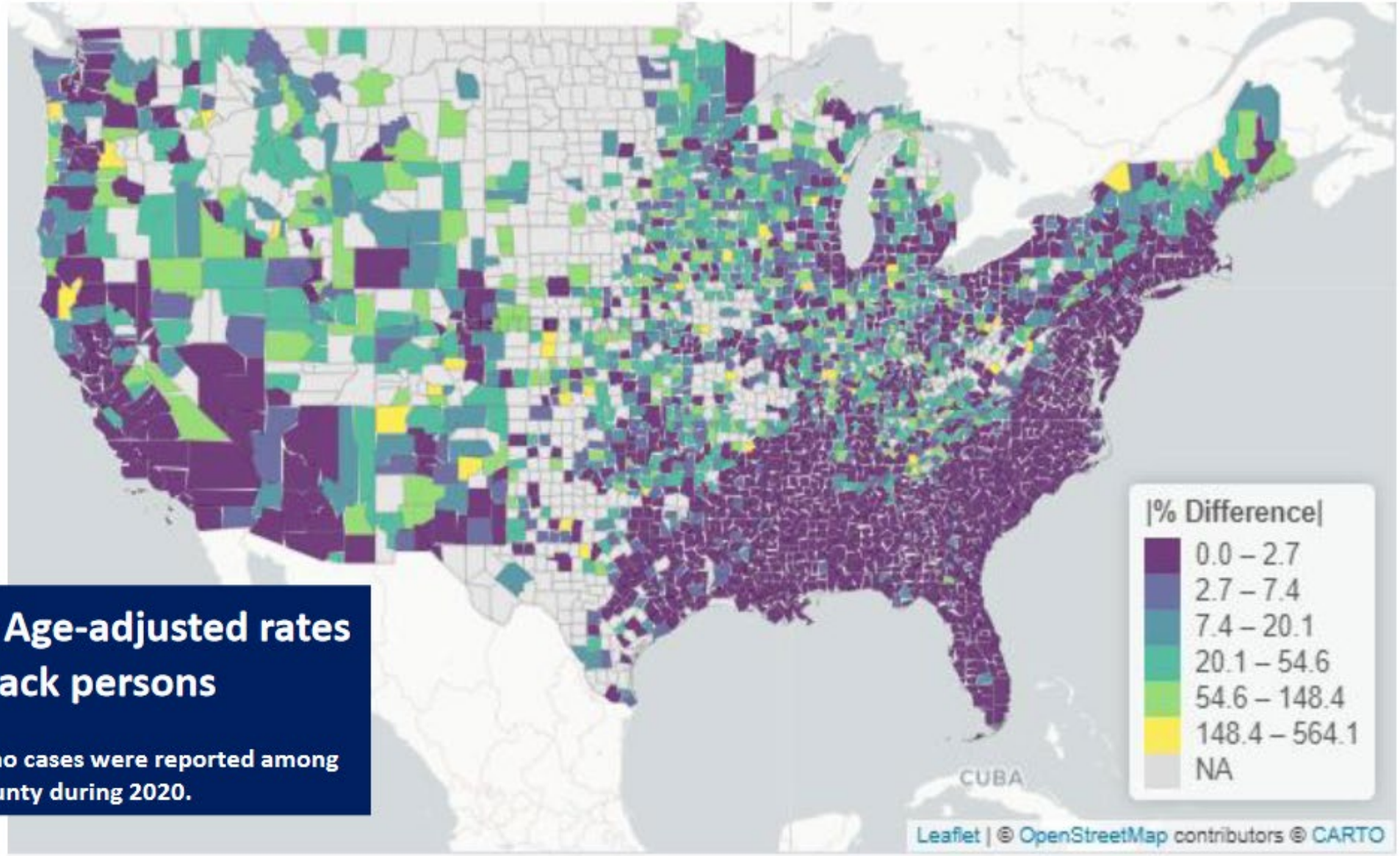
2010 Demonstration Products

- Census Bureau has released a set of data products that demonstrate the computational capabilities of the DAS. The current version of the DAS was run on the 2010 internal data to produce two products:
  - PL 94-171
  - Demographic and Housing Characteristics File (selected tables)
- Allows data users to assess the impacts of the DAS implementation.
- Uses Privacy-Loss Budget of ε=6 (ε=4 for person records, ε=2 for household records)

Available at: https://www.census.gov/programs-surveys/decennial-census/2020-census/planning-management/2020-census-data-products/2010-demonstration-data-products.html

COVID-19

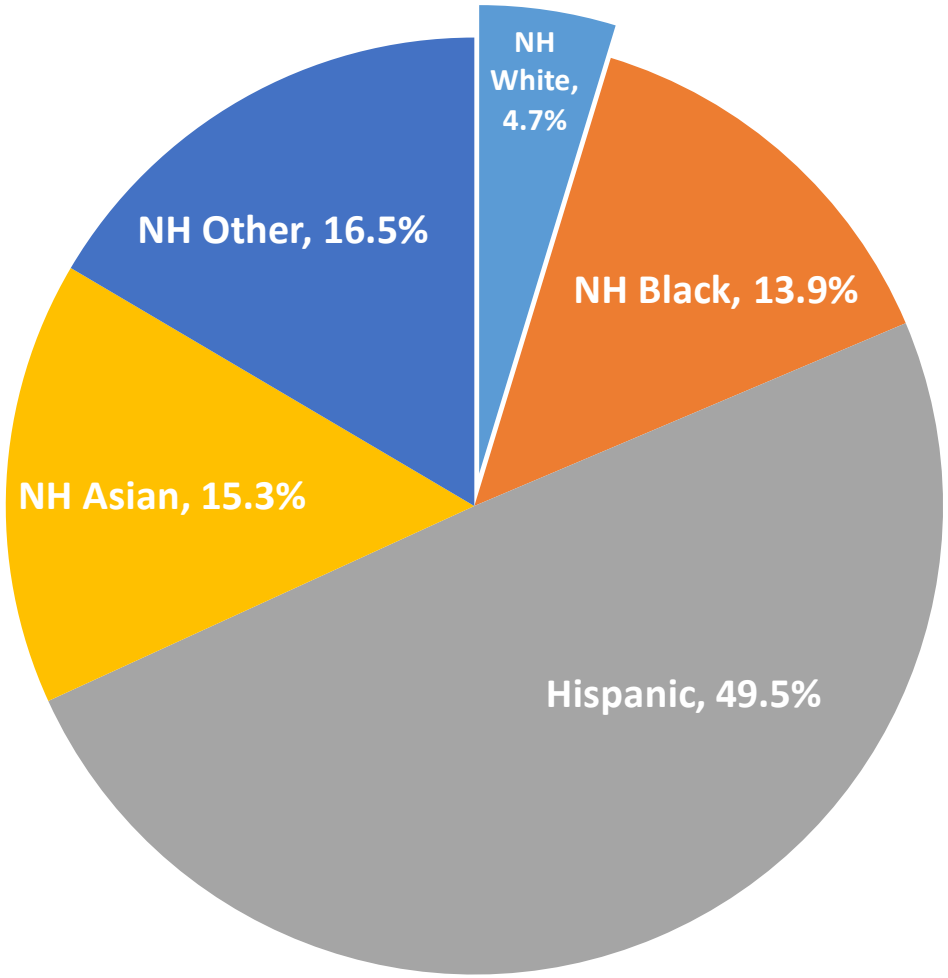
Results



|% difference| Age-adjusted rates SF vs. DP for Black persons

NA values occur where no cases were reported among Black persons in that county during 2020.

Minority population drove growth in Texas between 2010-2020

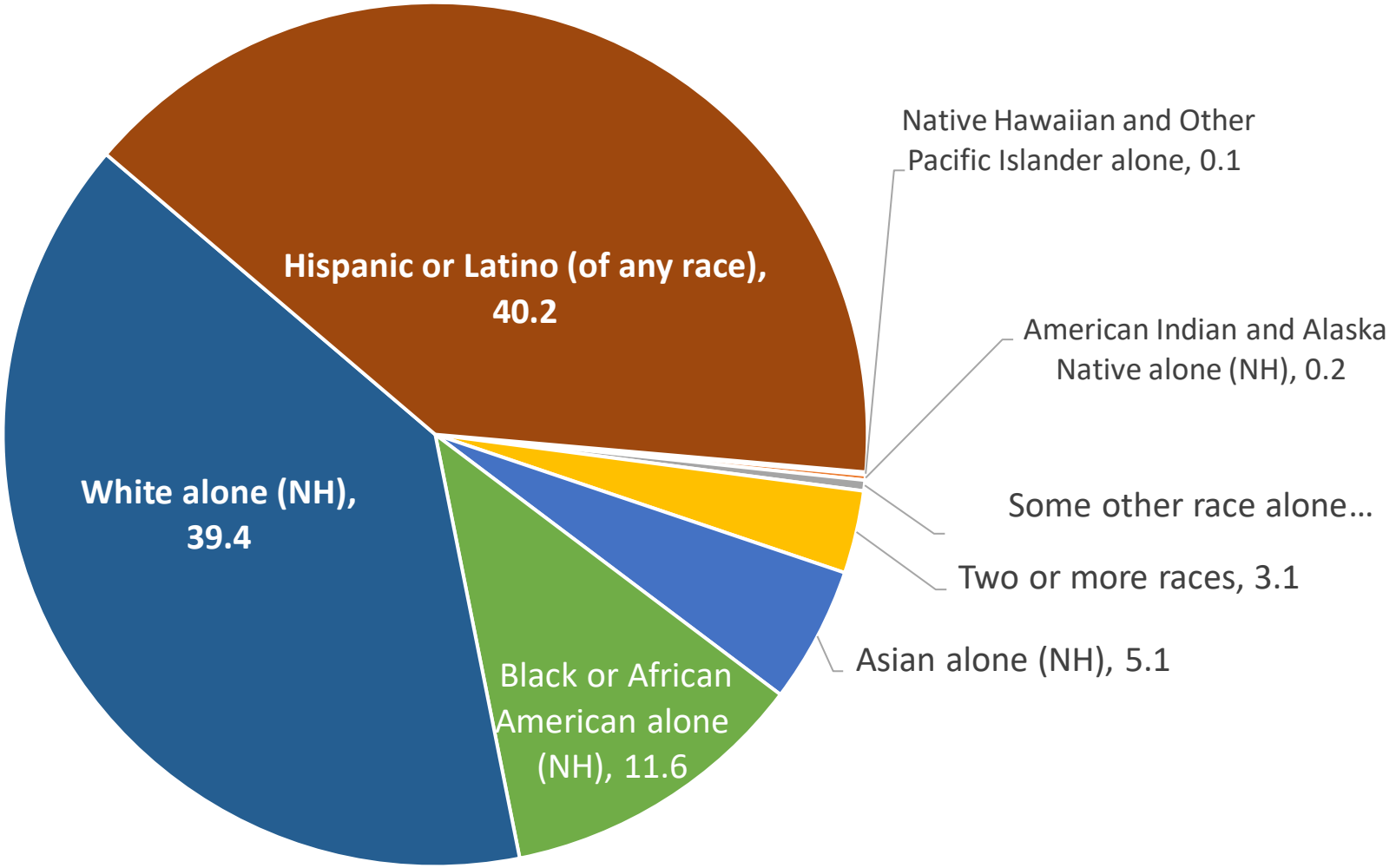


3,999,944 new Texans

95.3% attributable to growth of minority populations

Source: US Census Bureau, 2010 and 2020 Census, P.L. 94-171 Redistricting Files

Estimated Racial/Ethnic Composition of Texas Population, 2021



Source: U.S. Census Bureau, American Community Survey, 2021

States with Most Population Growth, 2020 to 2022

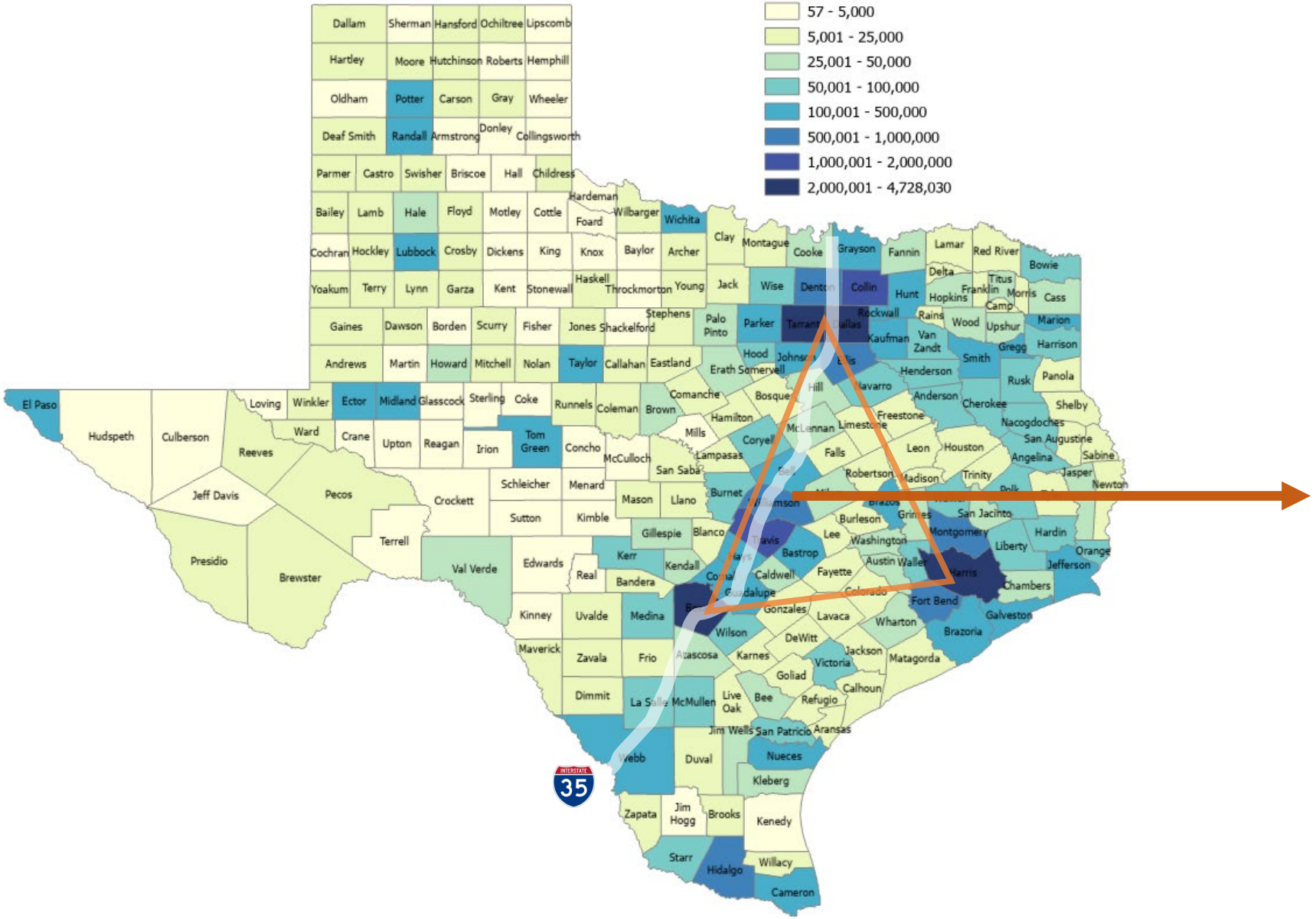
Population Estimate (as of July 1)

Geographic Area	2020	2021	2022	Change 21-22	Rank Change 21-22	Pct. Change 21-22	Rank Pct. Change 21-22
United States	331,511,512	332,031,554	333,287,557	1,256,003		0.4%	
Texas	**29,232,474**	**29,558,864**	**30,029,572**	**470,708**	**1**	**1.6%**	**4**
Florida	21,589,602	21,828,069	22,244,823	416,754	2	1.9%	1
North Carolina	10,449,445	10,565,885	10,698,973	133,088	3	1.3%	9
Georgia	10,729,828	10,788,029	10,912,876	124,847	4	1.2%	12
Arizona	7,179,943	7,264,877	7,359,197	94,320	5	1.3%	8
South Carolina	5,131,848	5,193,266	5,282,634	89,368	6	1.7%	3
Tennessee	6,925,619	6,968,351	7,051,339	82,988	7	1.2%	11
Washington	7,724,031	7,740,745	7,785,786	45,041	8	0.6%	16
Utah	3,283,785	3,339,113	3,380,800	41,687	9	1.2%	10
Idaho	1,849,202	1,904,314	1,939,033	34,719	10	1.8%	2

’20-’21 -> **902**
new Texans per day

’21-’22 -> **1,290**
new Texans per day

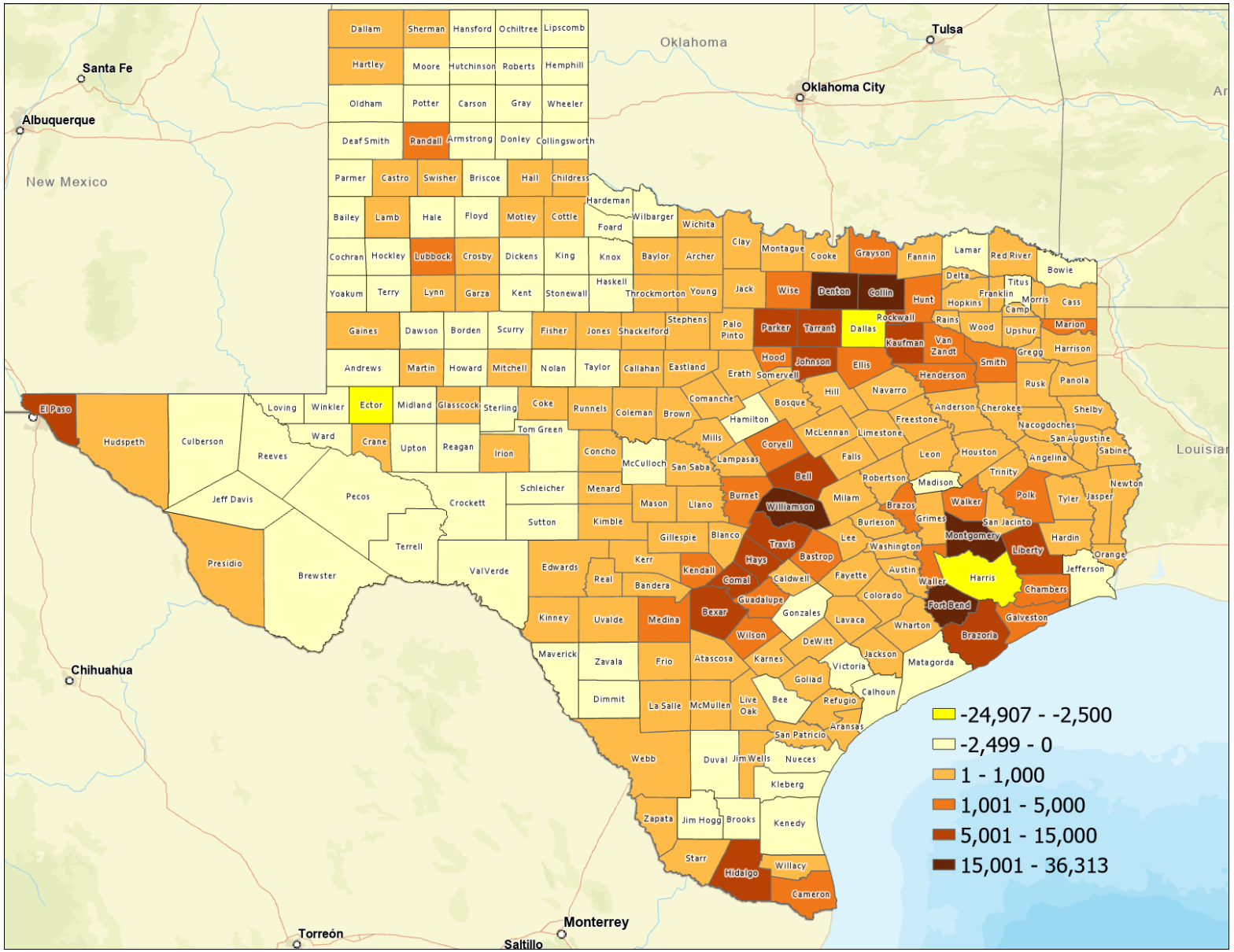
2021 Estimated Population, Texas Counties



89.4%

Source: US Census Bureau, 2021 Population Estimates

Estimated Numeric Change, Texas Counties, 2020-2021



82 Counties Lost Population

SOURCE: US Census Bureau, Population Estimates, 2021 Vintage

Top Counties for Numeric Growth in Texas, 2020-2021

County	US Rank	2021 Population Estimate	Population Change 2020-2021	Percent of Change from Natural Increase	Percent of Change from International Migration	Percent of Change from Domestic Migration
Collin	2	1,109,462	36,313	13.2%	4.4%	82.4%
Fort Bend	4	858,527	29,895	12.6%	5.6%	81.8%
Williamson	5	643,026	27,760	9.2%	1.3%	89.5%
Denton	6	941,647	27,747	14.8%	2.6%	82.6%
Montgomery	8	648,886	23,948	7.7%	1.9%	90.4%
Bexar	17	2,028,236	14,184	59.1%	6.6%	34.2%
Tarrant	23	2,126,477	11,768	82.5%	15.6%	1.9%
Hays	24	255,397	11,588	8.5%	1.2%	90.3%
Comal	25	174,986	11,413	0.4%	0.2%	99.3%
Kaufman	28	157,768	10,782	4.3%	0.1%	95.6%
Travis	35	1,305,154	9,054	82.1%	19.9%	-1.9%
Ellis	44	202,678	8,406	5.2%	0.1%	94.6%

Source: US Census Bureau, 2021 Population Estimates

Top Counties for Percent Growth in Texas, 2020-2021*

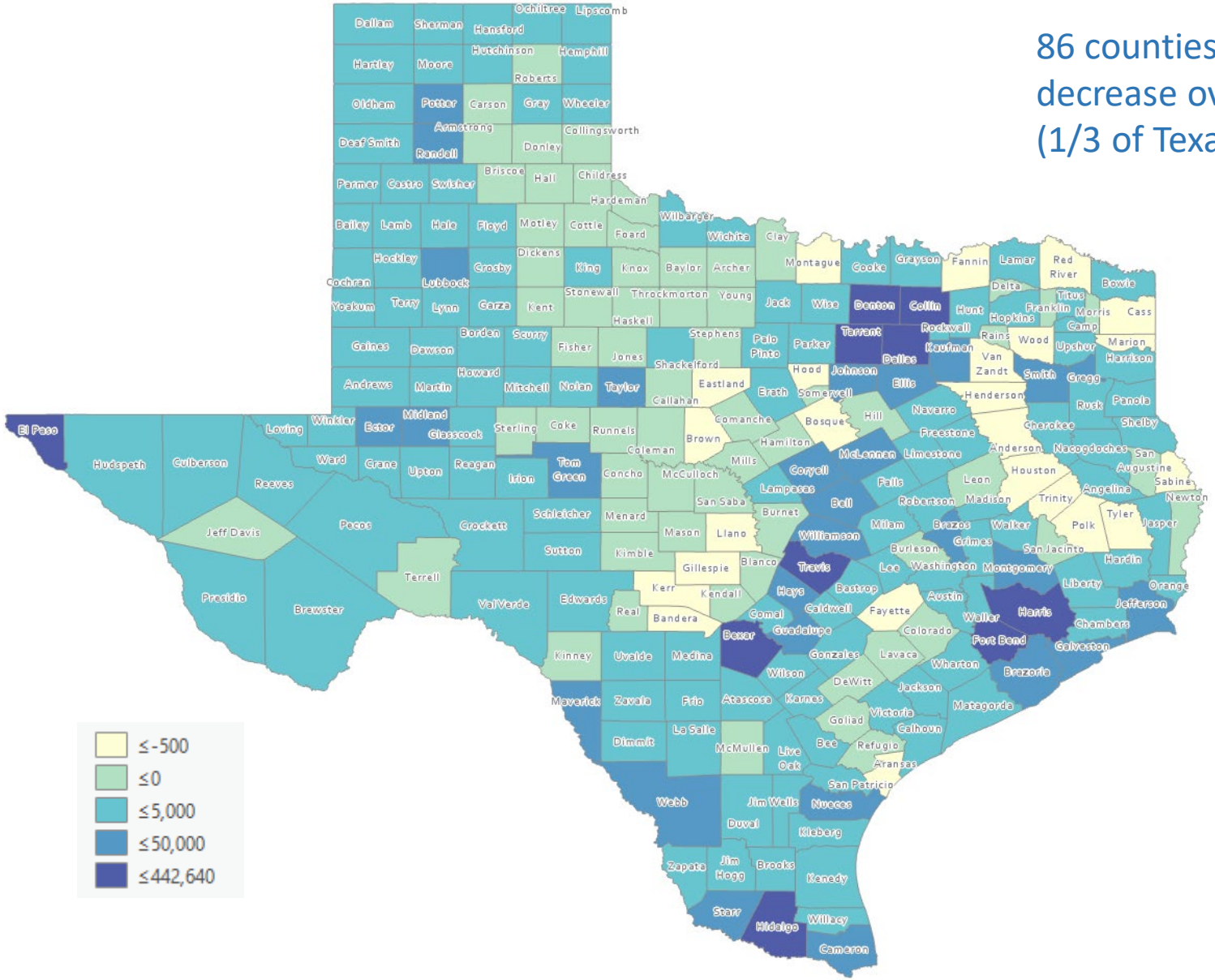
County	US Rank	2021 Population Estimate	Population Change 2020-2021	Percent Population Change 2020-2021	Percent of Population Change from Natural Increase	Percent of Population Change from International Migration	Percent of Population Change from Domestic Migration
Kaufman	1	157,768	10,782	7.3%	4.3%	0.1%	95.6%
Comal	2	174,986	11,413	7.0%	0.4%	0.2%	99.3%
Rockwall	3	116,381	7,291	6.7%	3.9%	0.6%	95.5%
Liberty	4	97,621	5,270	5.7%	3.7%	0.1%	96.2%
Parker	9	156,764	7,332	4.9%	0.9%	0.6%	98.6%
Hays	10	255,397	11,588	4.8%	8.5%	1.2%	90.3%
Williamson	14	643,026	27,760	4.5%	9.2%	1.3%	89.5%
Ellis	17	202,678	8,406	4.3%	5.2%	0.1%	94.6%
Waller	19	59,781	2,432	4.2%	9.3%	0.4%	90.3%
Bastrop	20	102,058	4,075	4.2%	3.4%	-0.3%	97.0%
Wise	22	71,714	2,848	4.1%	-1.4%	0.1%	101.2%
Montgomery	25	648,886	23,948	3.8%	7.7%	1.9%	90.4%
Johnson	32	187,280	6,547	3.6%	4.6%	0.3%	95.1%

*Among counties with populations of 50,000 or more in 2020

Source: US Census Bureau, 2021 Population Estimates

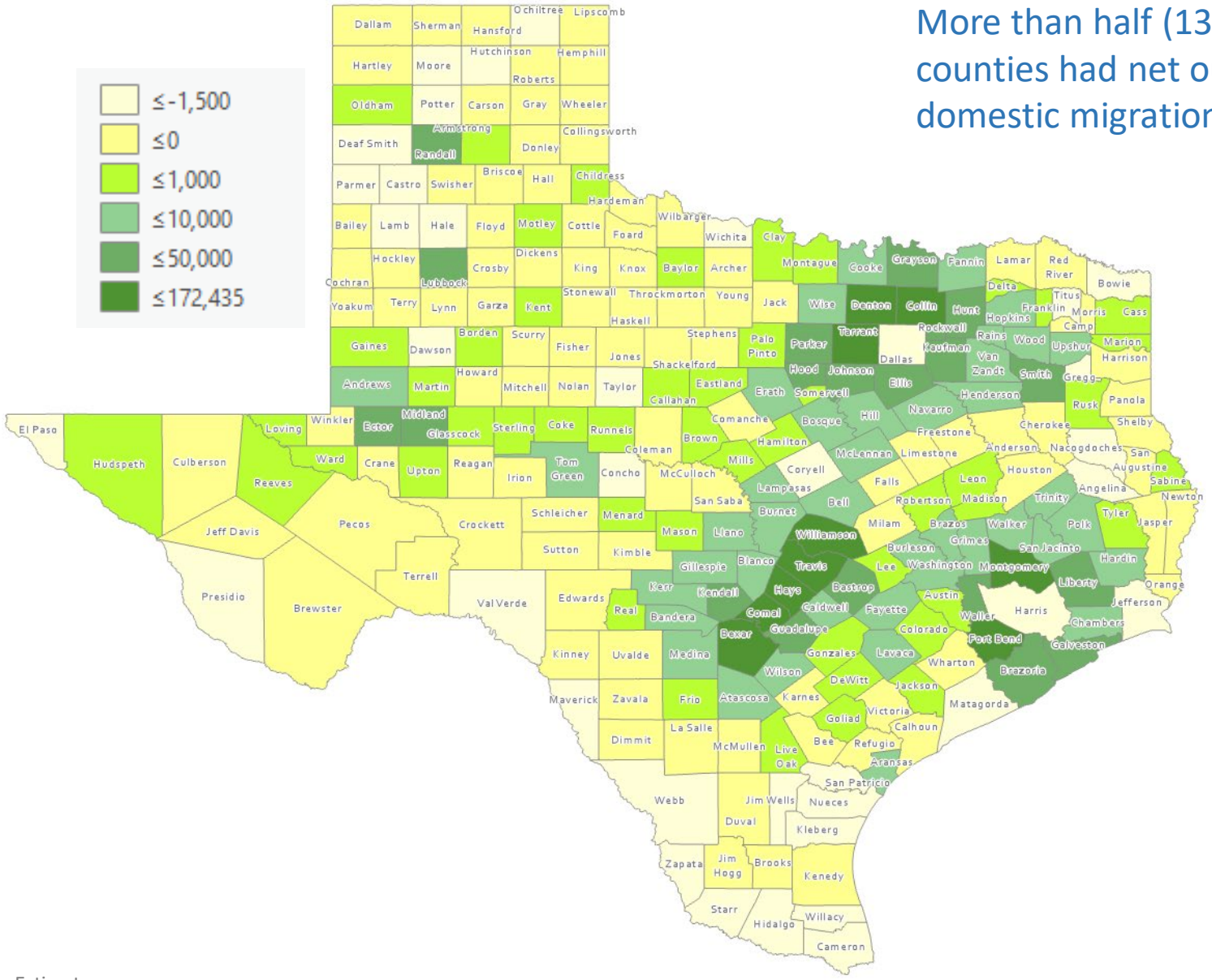
Estimated Natural Increase (Decrease), Texas Counties, 2010-2020

86 counties had natural decrease over the decade (1/3 of Texas' counties)



Source: US Census Bureau, 2020 Population Estimates

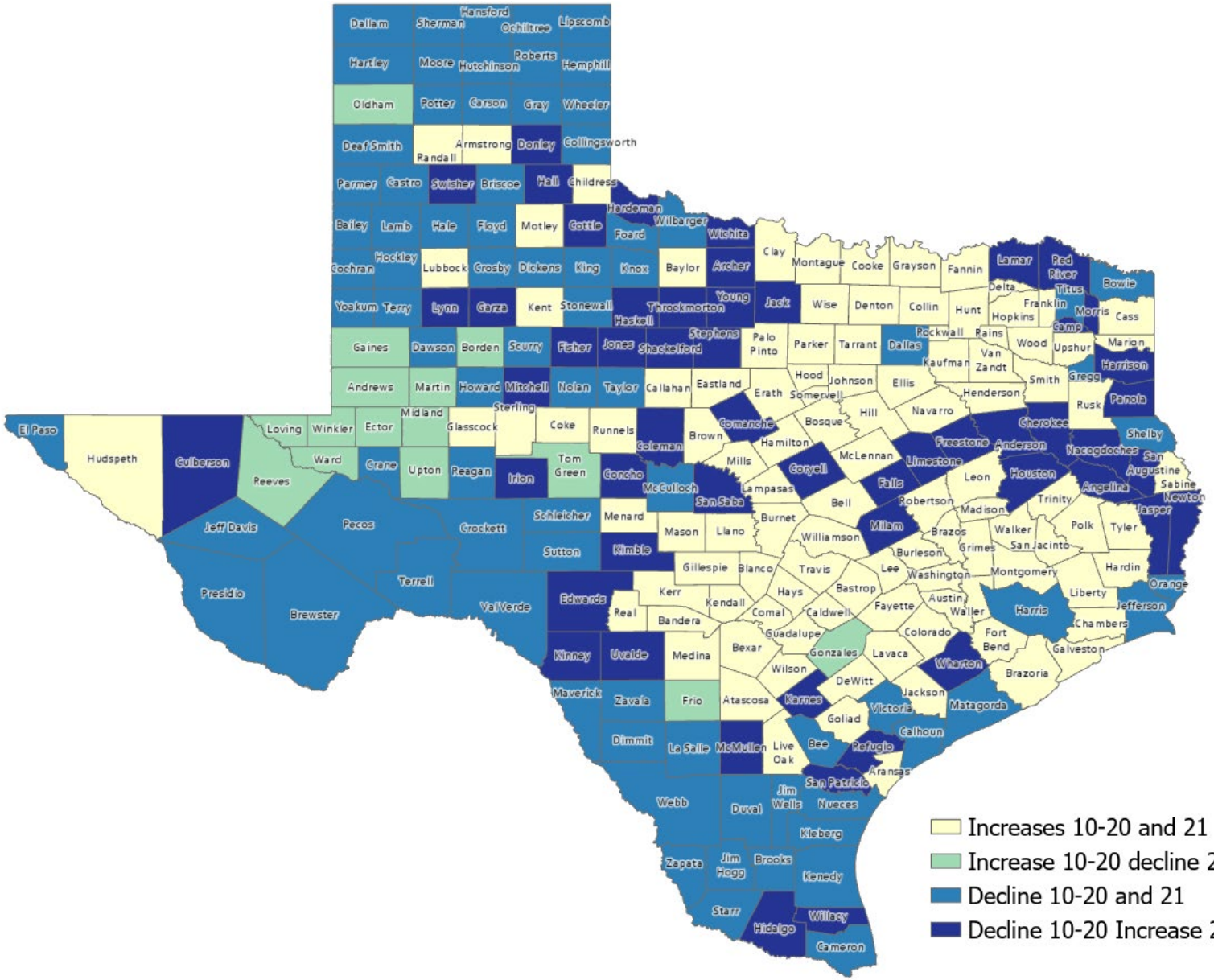
Estimated Population Change from Domestic Migration, Texas Counties, 2010-2020



More than half (134) of counties had net out domestic migration

Source: US Census Bureau, 2020 Population Estimates

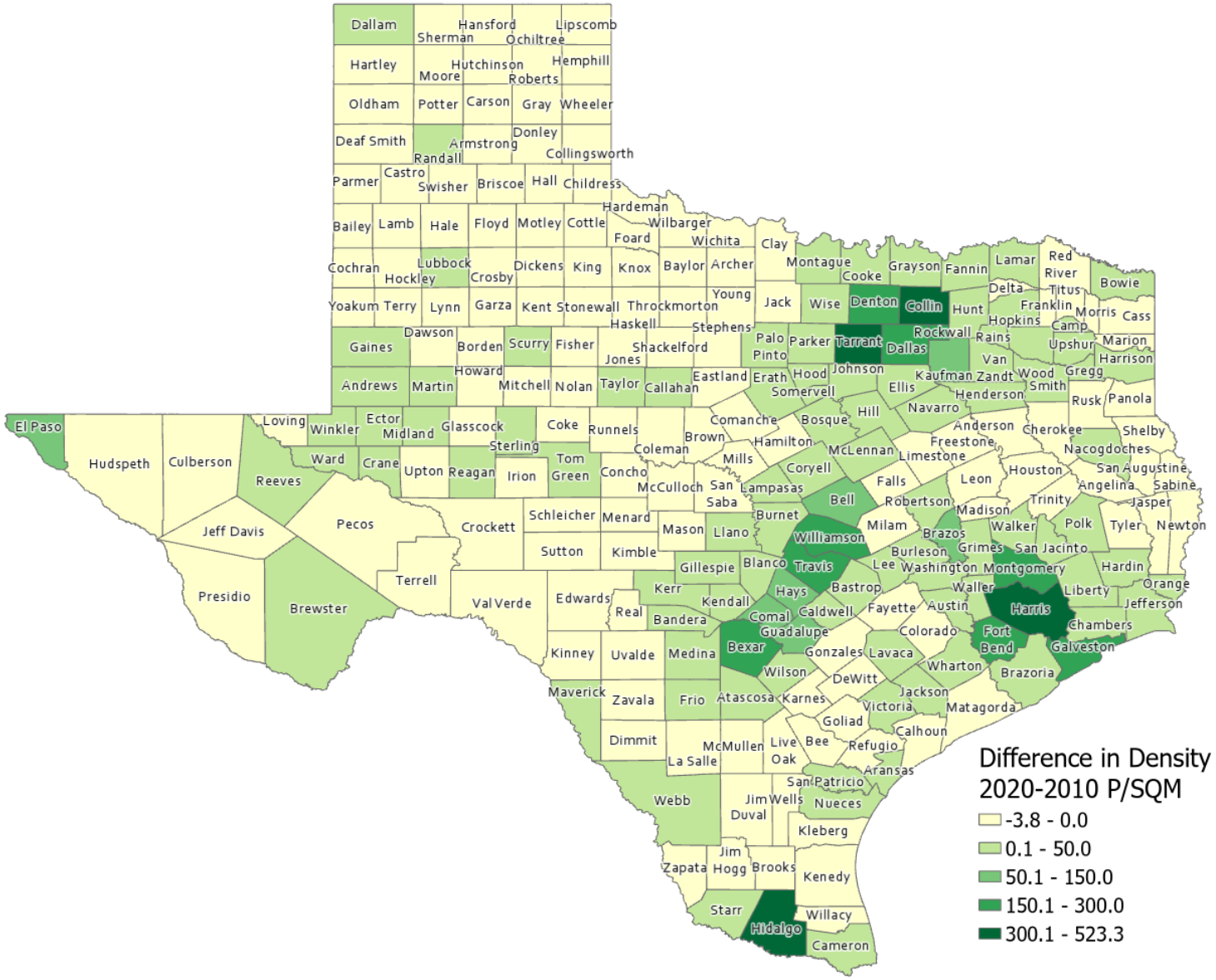
Estimated Change from Domestic Migration Comparing 2010-20 and 2020-21, Texas Counties



	Number of Counties
Increases 10-20 and 21	106
Increase 10-20 decline 21	15
Decline 10-20 and 21	79
Decline 10-20 Increase 21	54

Source: US Census Bureau, 2021 Population Estimates

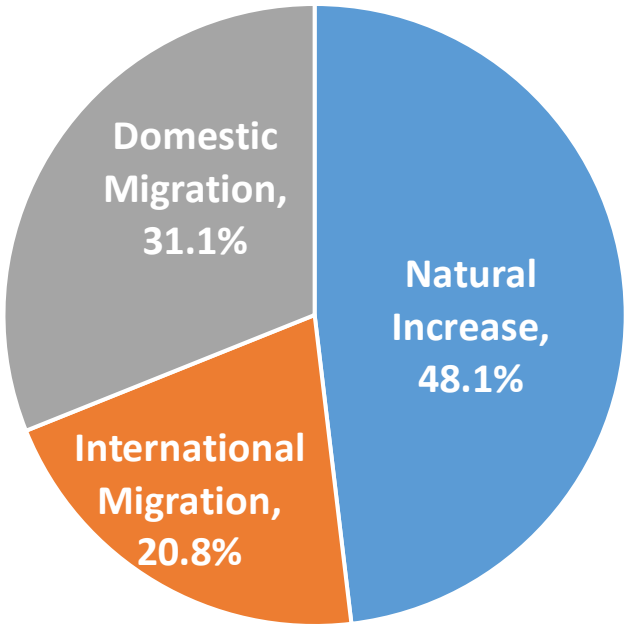
Difference in Population Density per Square Mile (2020-2010), Texas Counties



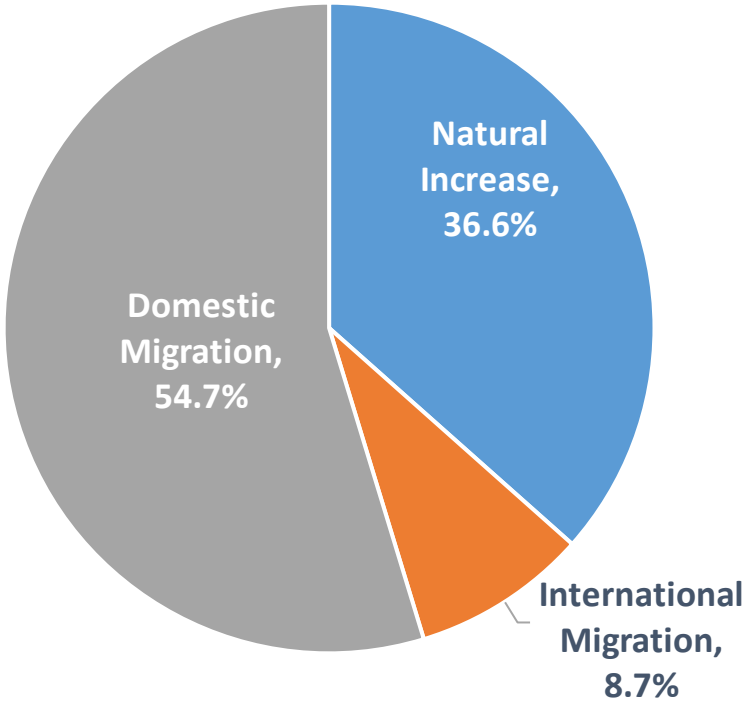
SOURCE: US Census Bureau, 2010 and 2020 Census, P.L. 94-171 Redistricting Files

Estimated Components of Population Change for Texas, 2010-2020, 2020-2021 and 2021-2022

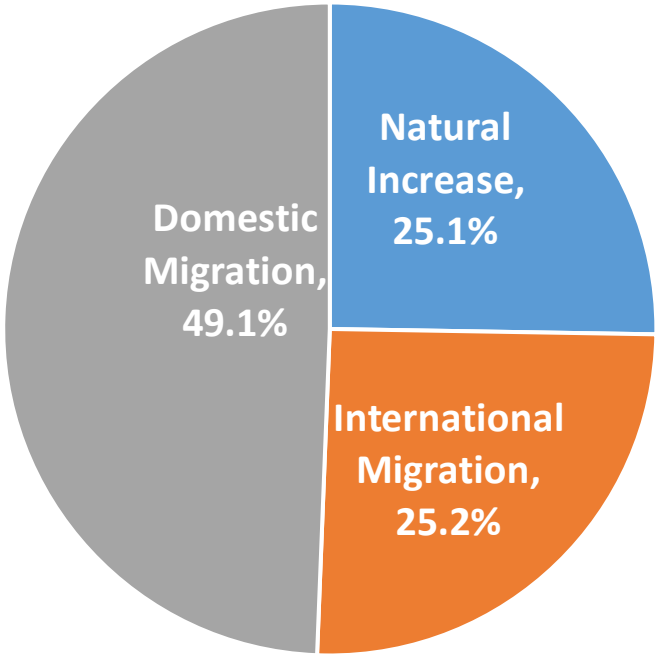
2010 to 2020



2020 to 2021

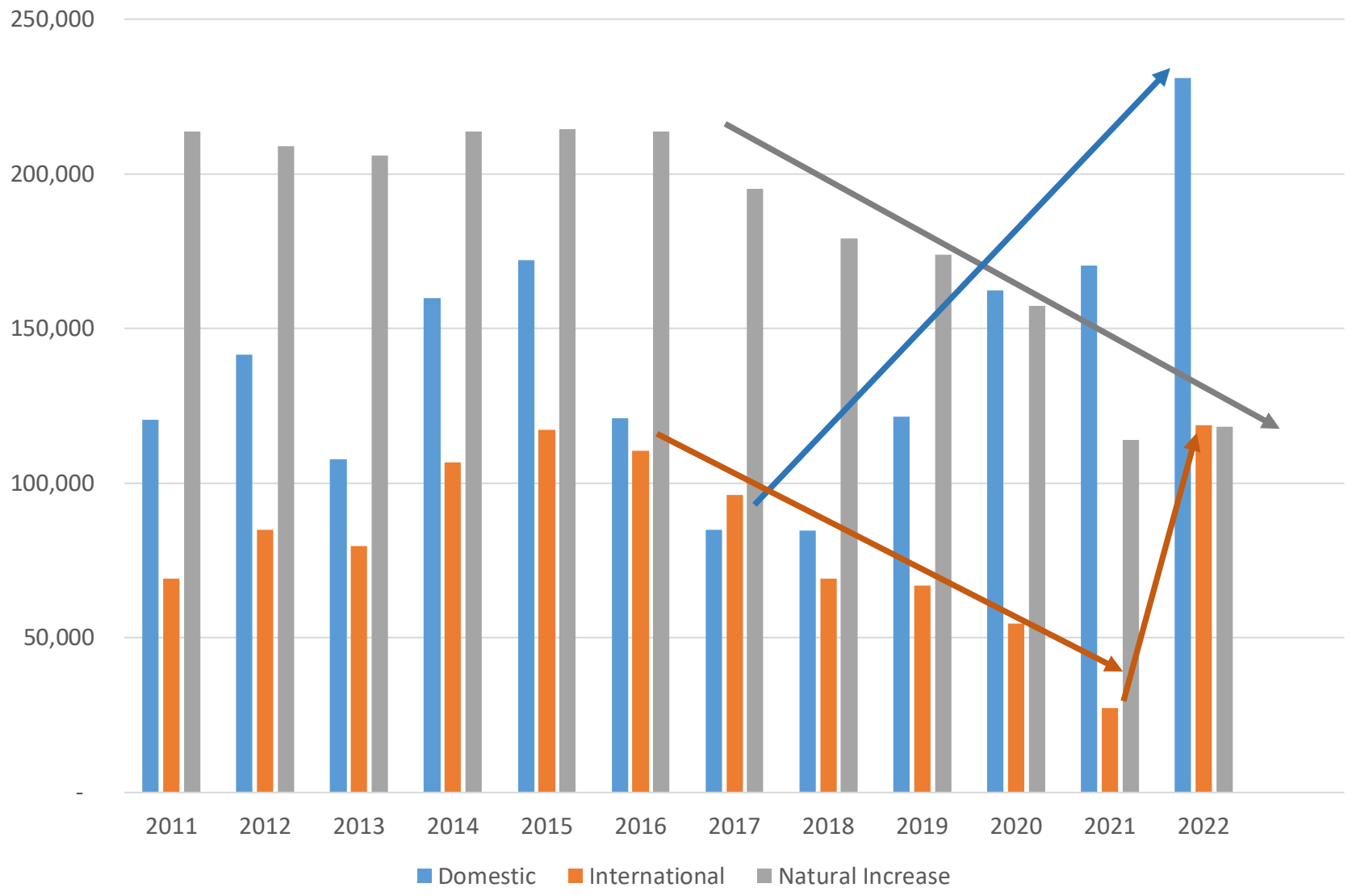


2021 to 2022



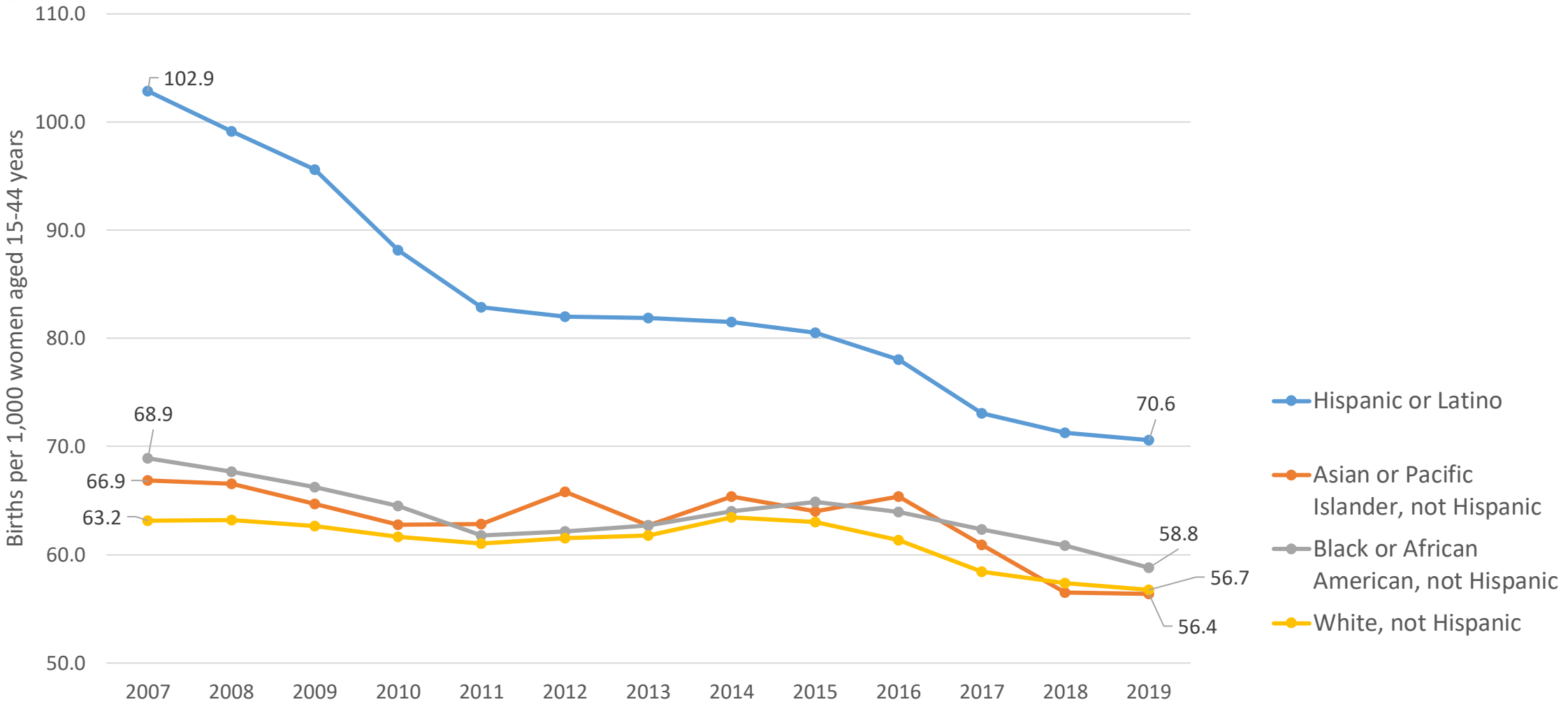
SOURCE: U.S. Census Bureau. 2020 Evaluation Population Estimates and 2021 and 2022 Vintage Population Estimates

Estimated Domestic and International Migration for Texas, 2011-2022



SOURCE: U.S. Census Bureau. 2020 Evaluation Population Estimates and 2022 Vintage Population Estimates

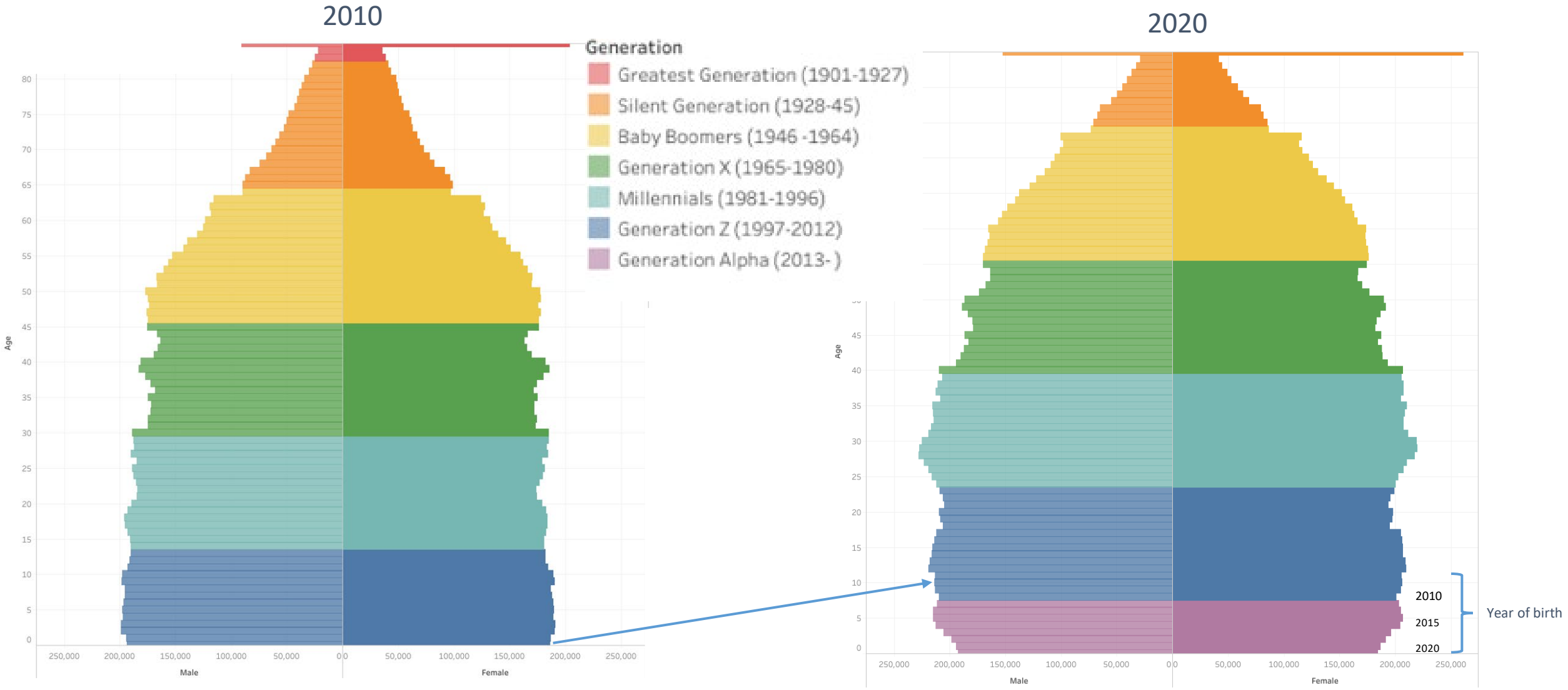
Texas Birth Rates, 2007-2019



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics.

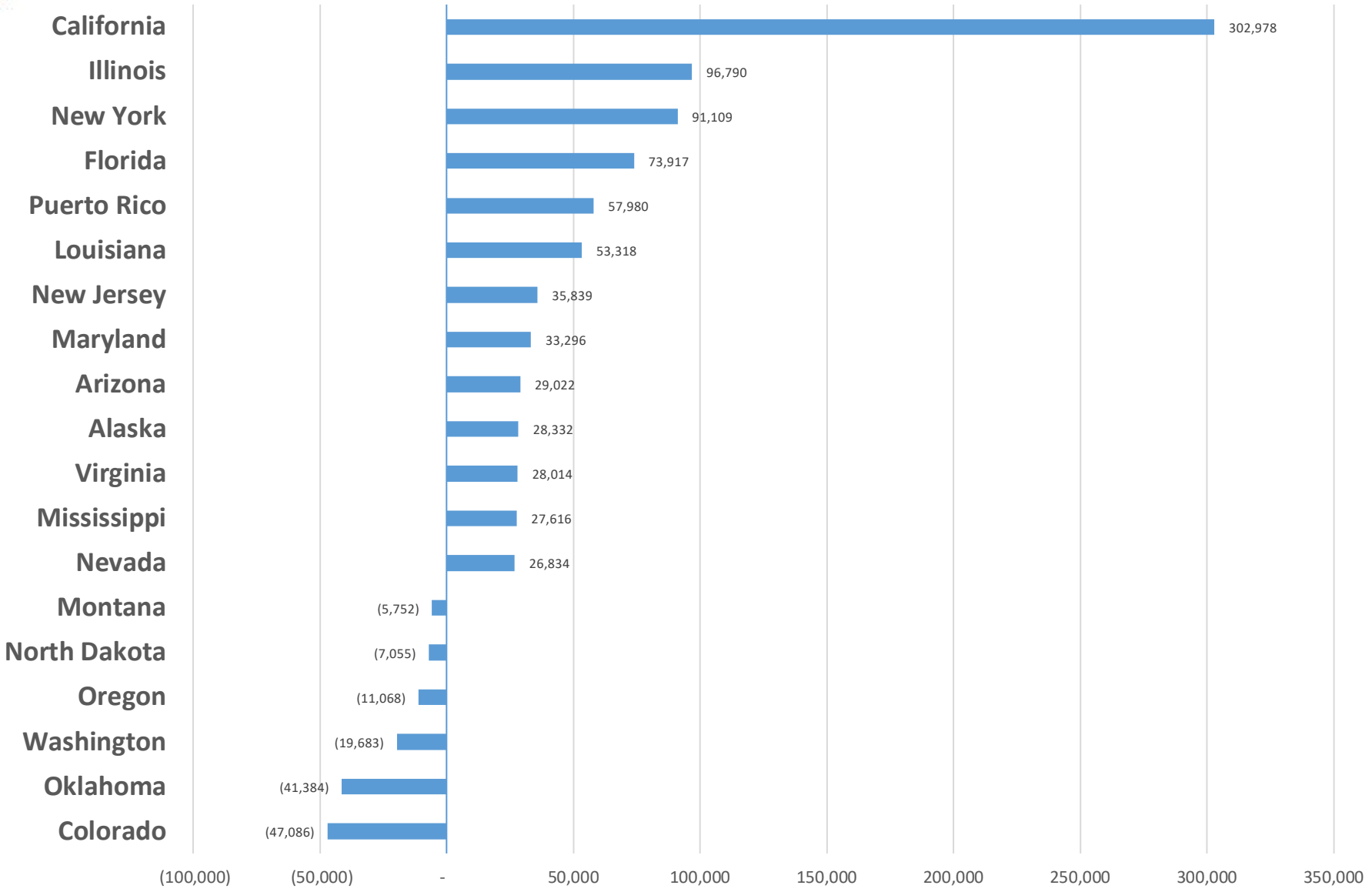
Generational Population Pyramids, Texas, 2010 and 2020

Texas Population Pyramids 2010-2020



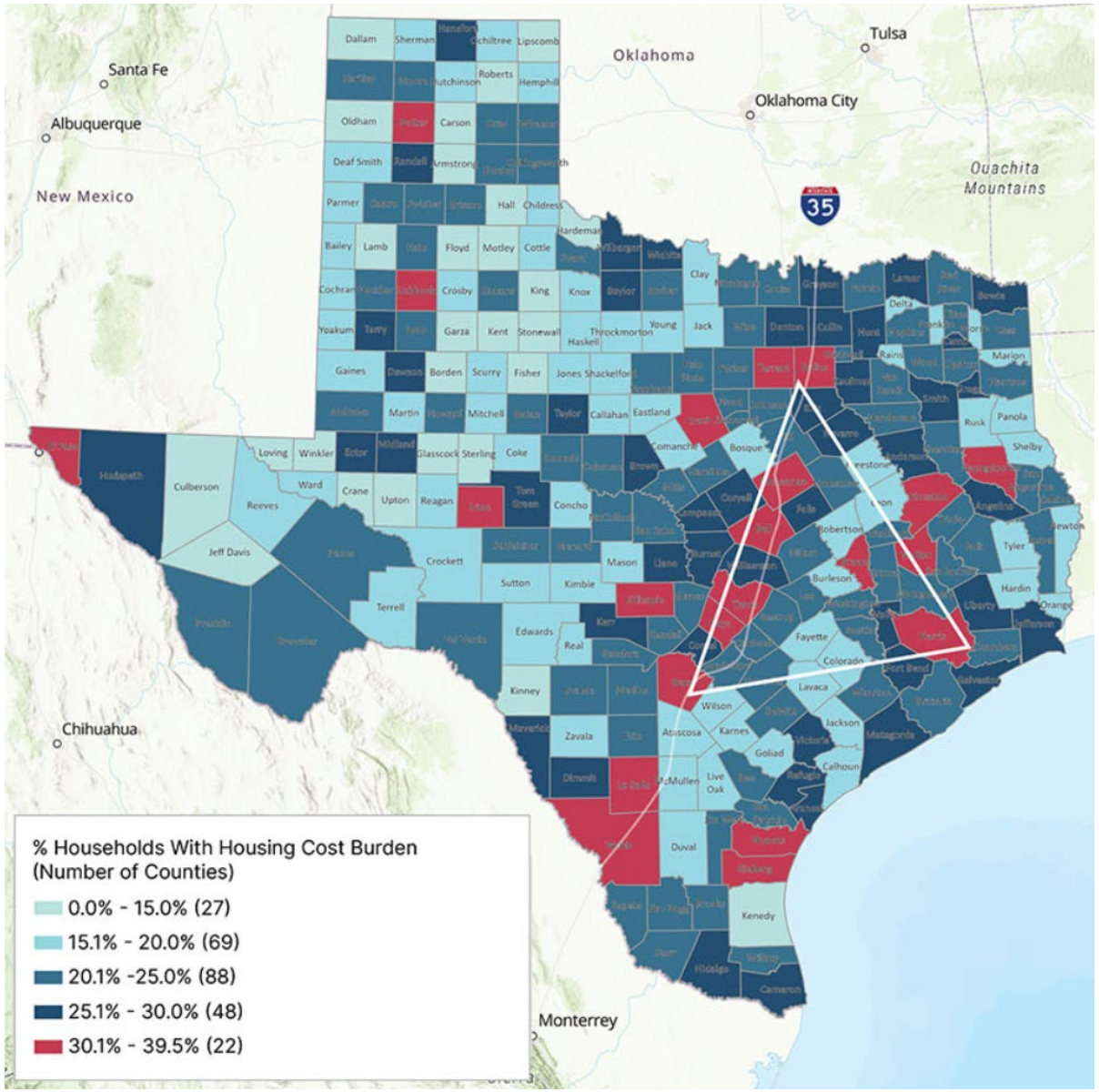
SOURCE: U.S. Census Bureau. 2010 and 2020 Vintage Population Estimates

Estimated Net Domestic Migrants Between Texas and Other States, 2010-2019

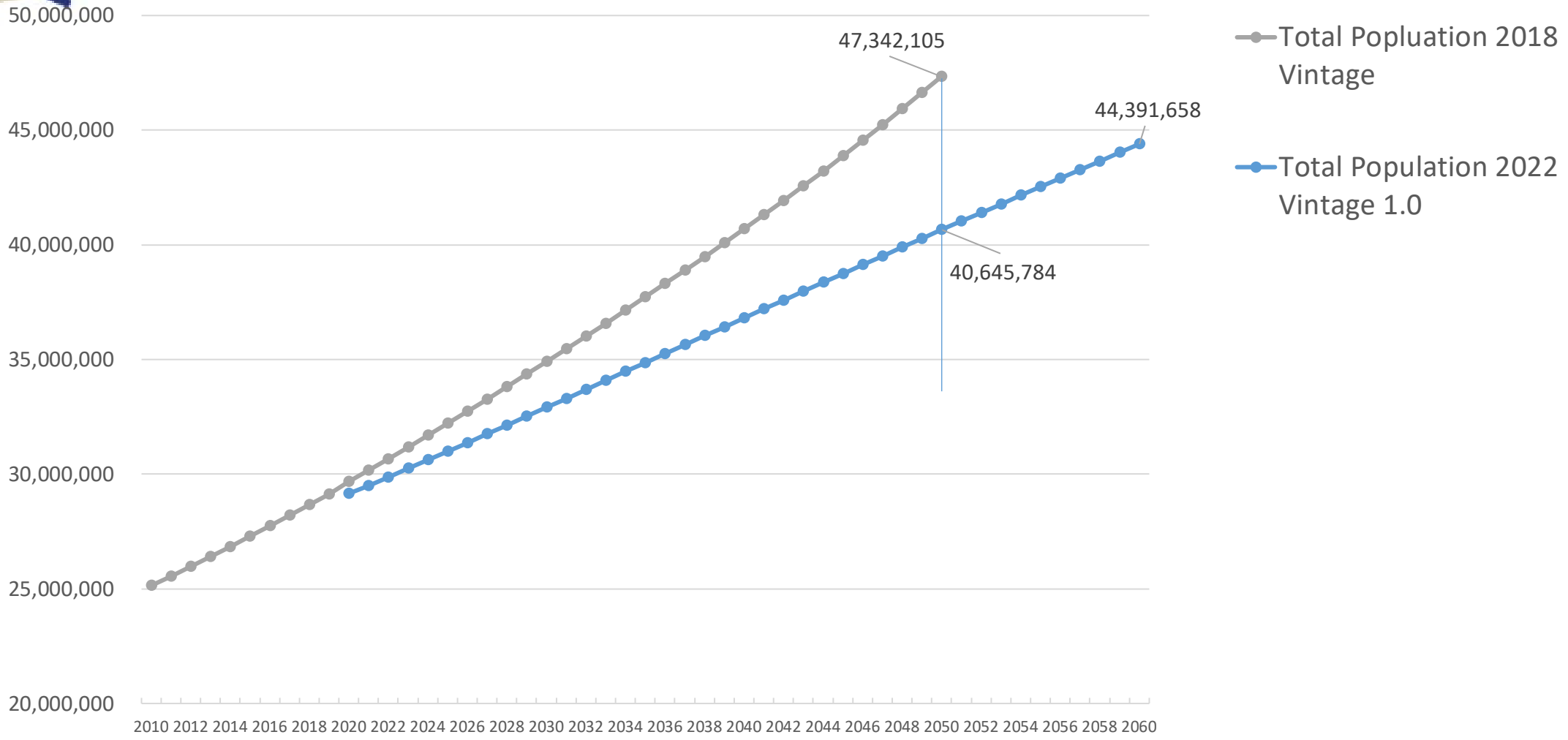


Source: U.S. Census Bureau, State-to-State Migration Flows, 2010-2019

Housing Cost Burden in Texas, 2017-2021

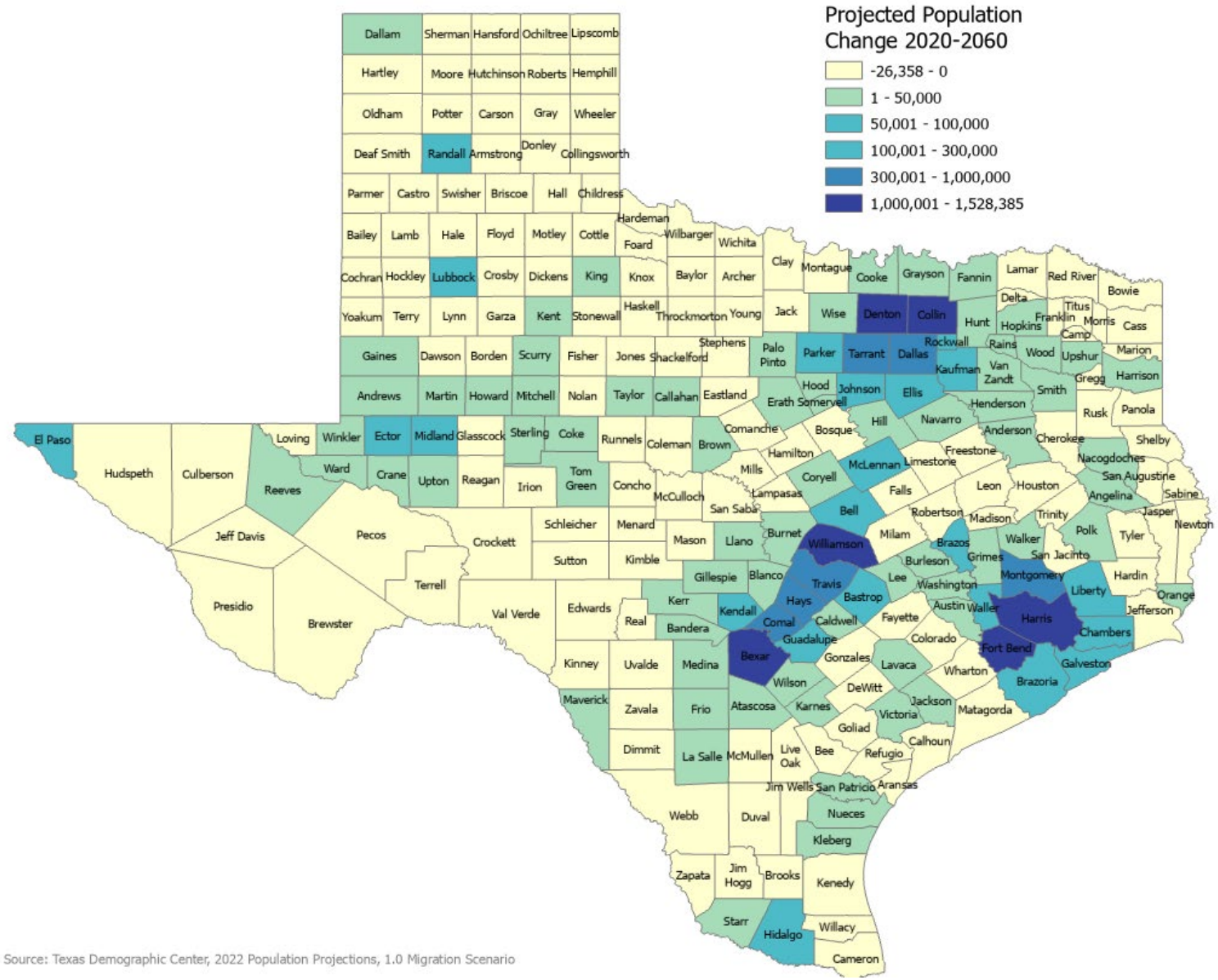


Projected Population Growth in Texas, 2010-2060



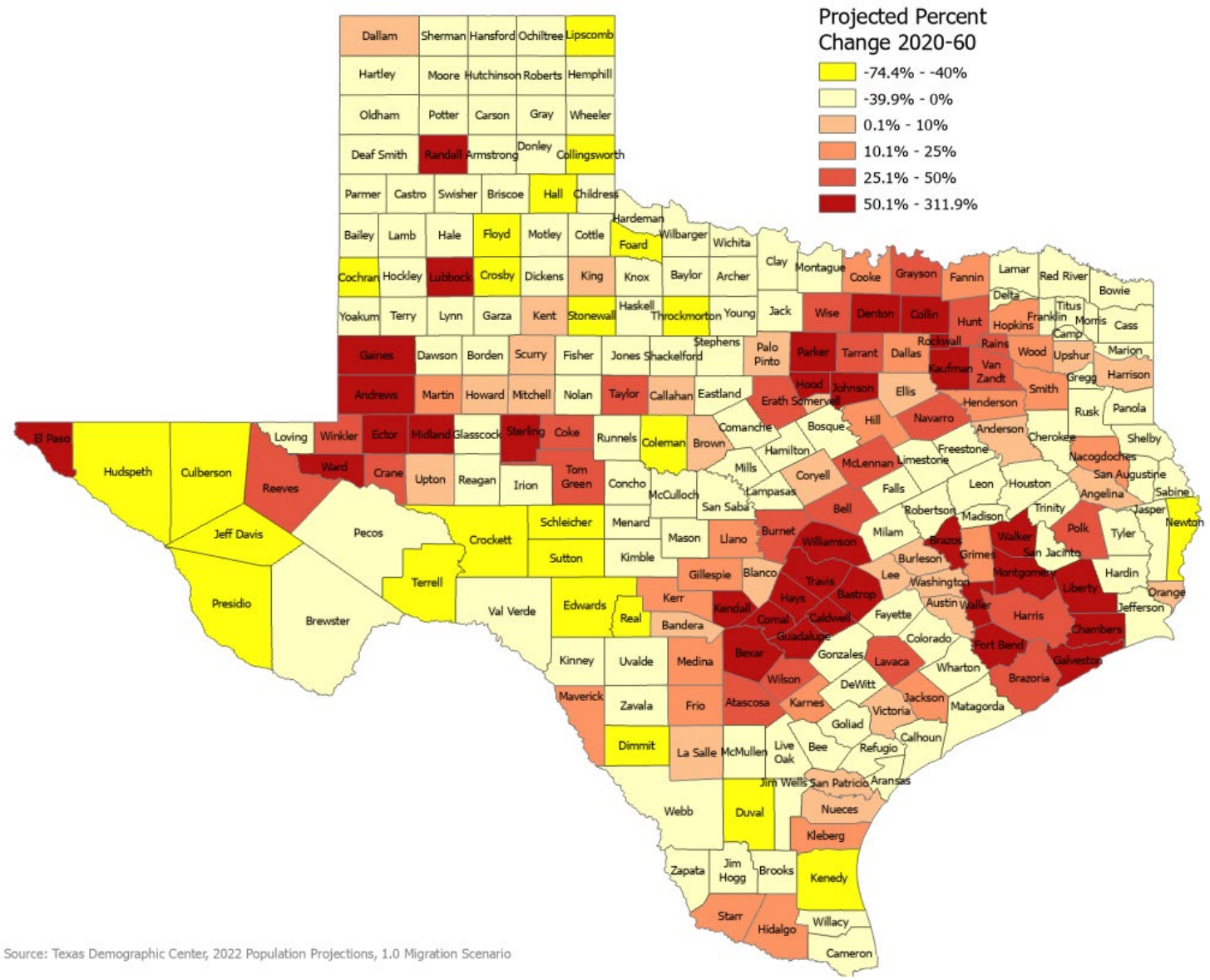
SOURCE: Texas Demographic Center, Vintage 2022 and 2018 Population Projections

Projected Population Change, Texas Counties, 2020-2060



Source: Texas Demographic Center, 2022 Population Projections, 1.0 Migration Scenario

Projected Percent Population Change, Texas Counties, 2020-2060



Source: Texas Demographic Center, 2022 Population Projections, 1.0 Migration Scenario

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