Texas Demographic Trends, Population Projections, and the 2020 Census

Presented to

greater Arlington chamber of commerce

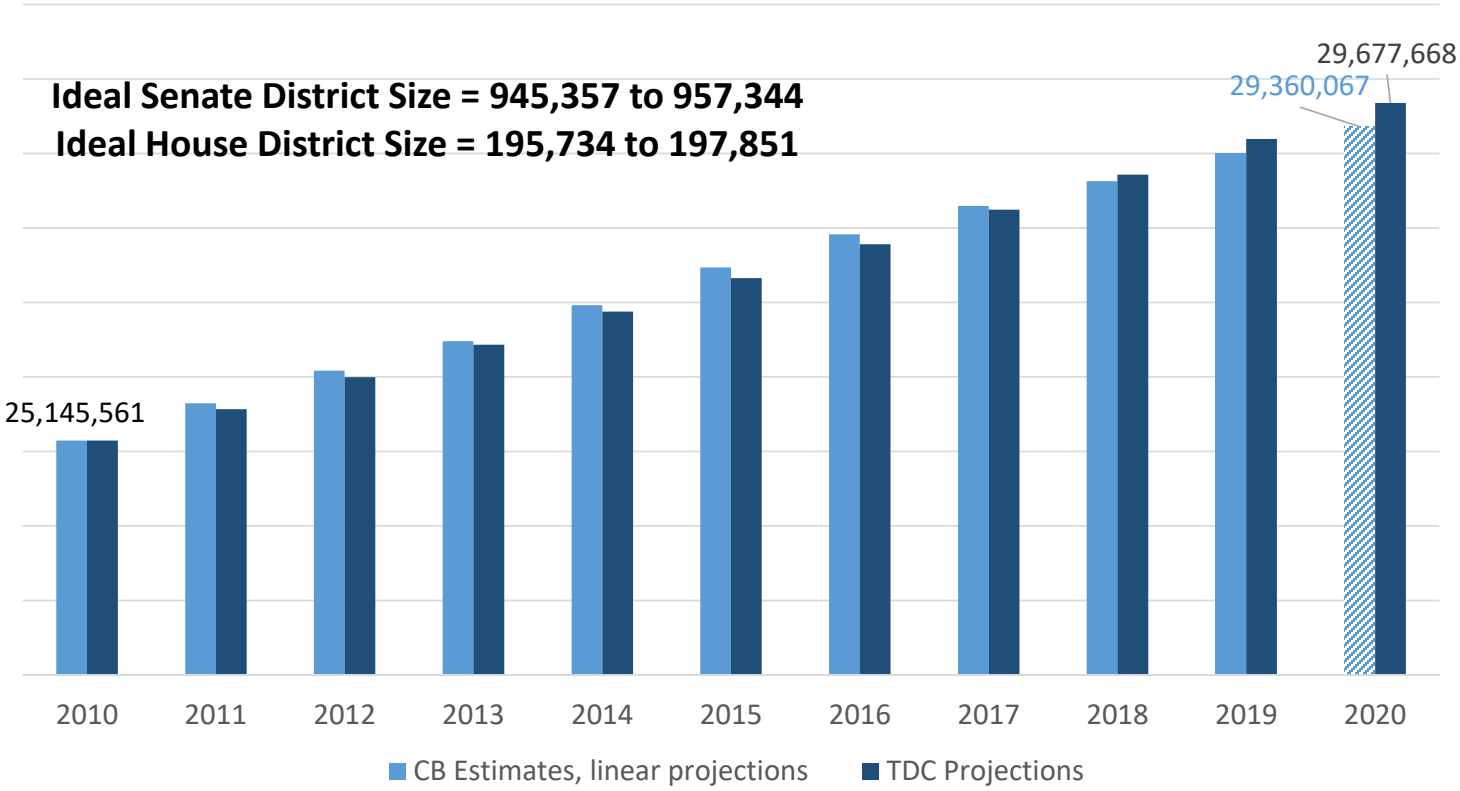
December 3, 2020

TEXAS DEMOGRAPHIC CENTER

We will be:

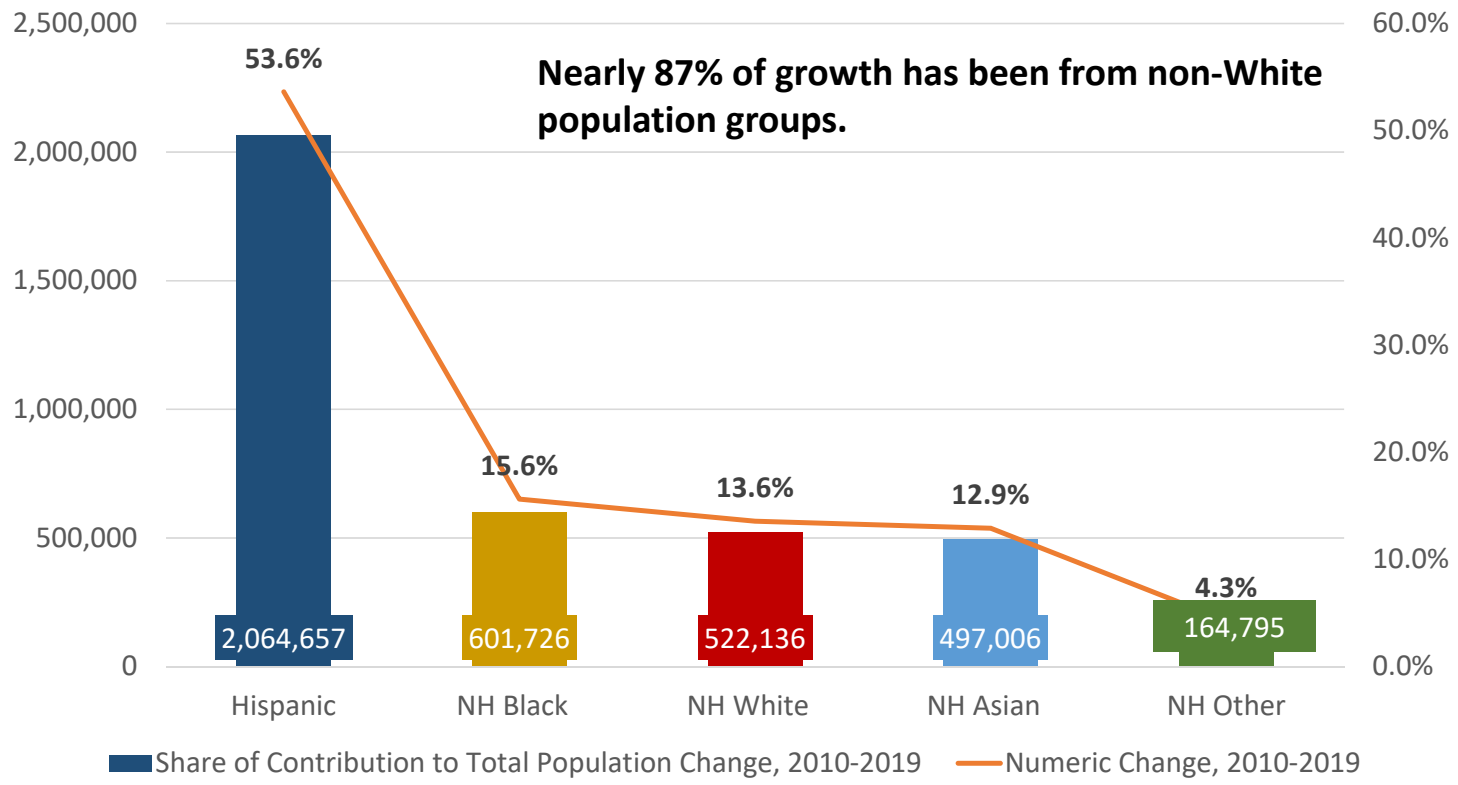
- Looking back at population growth over the decade
- Using Texas Demographic Center population projections to anticipate results of 2020 Census
- Reviewing the importance of the 2020 Census to Texas
- Reviewing response rates from the 2020 Census and important dates

Texas Population Change, 2010 to 2020



Source: U.S. Census Bureau, 2019 Population Estimates; Texas Demographic Center, Population Projections 2018 Vintage

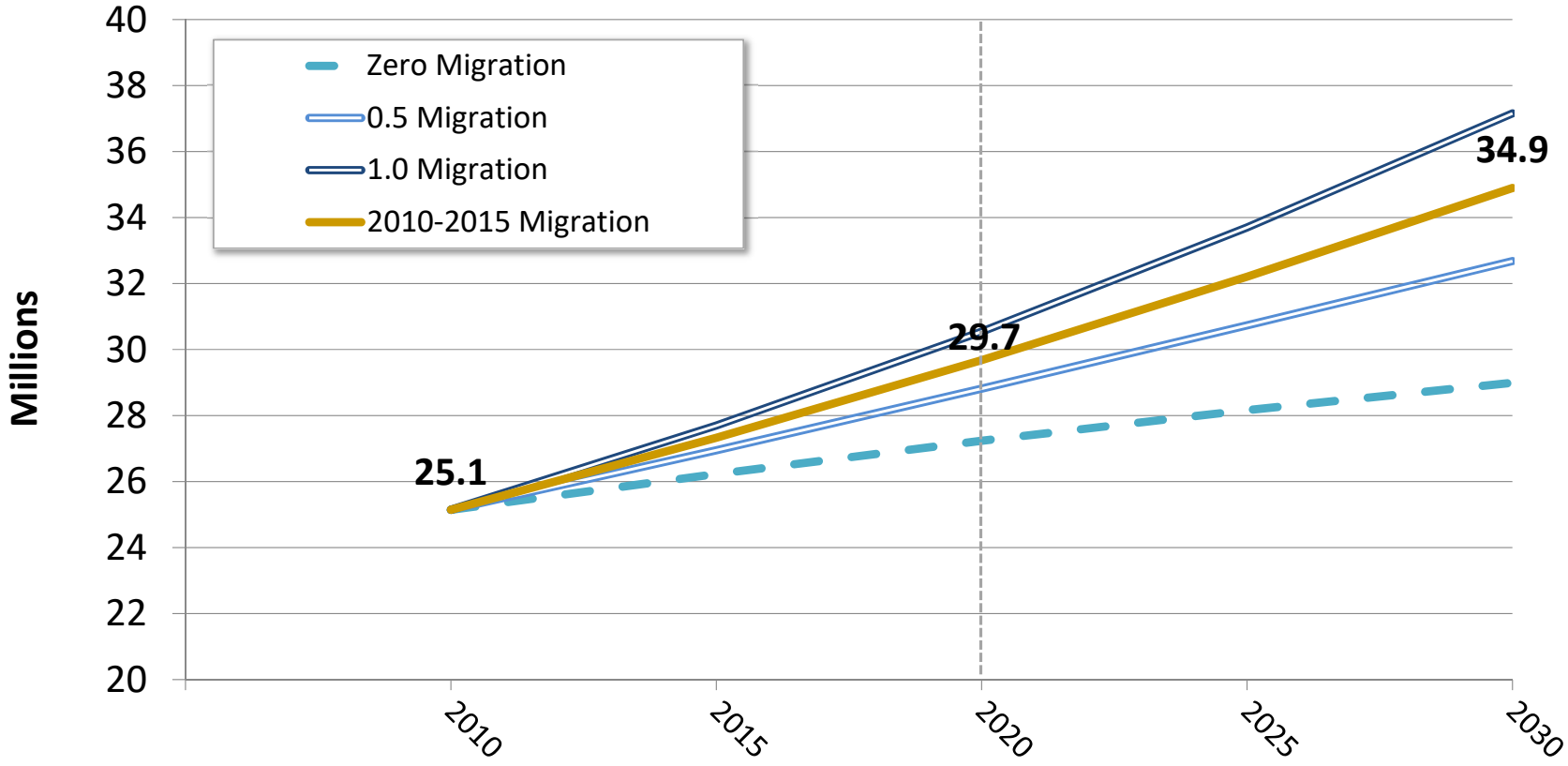
Population Change by Race/Ethnicity, 2010-2019



Source: U.S. Census Bureau. 2019 Population Estimates

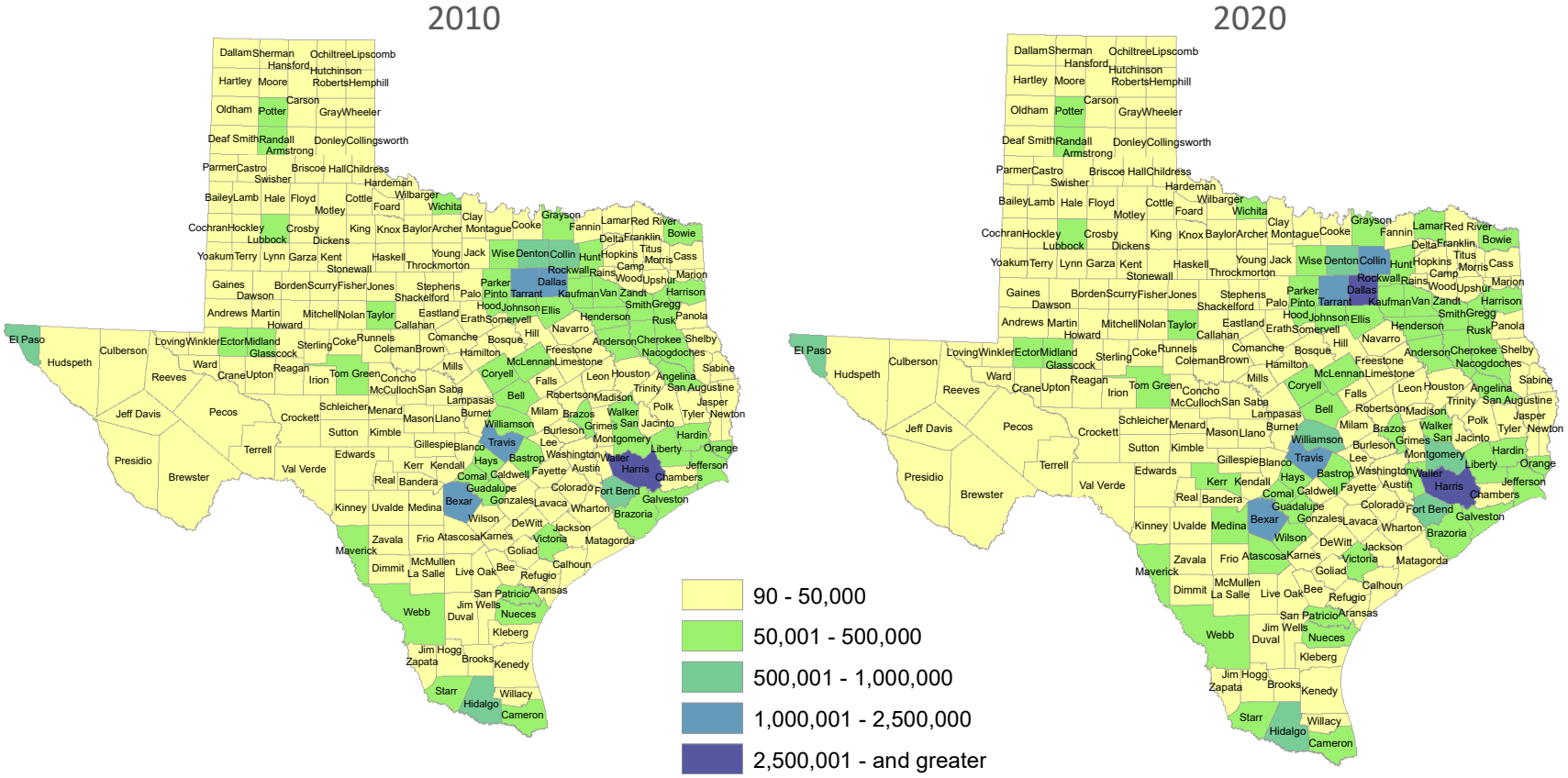
What's ahead for the population of Texas?

Projected Population, Texas, 2010-2030



Source: Texas Demographic Center, 2014 and 2018 Population Projections

Projected Numeric Change, Texas Counties and DFW Metro Area 2010-2020



Source: Texas Demographic Center, Population Projections, 2010-2015 Migration Scenario, Vintage 2018

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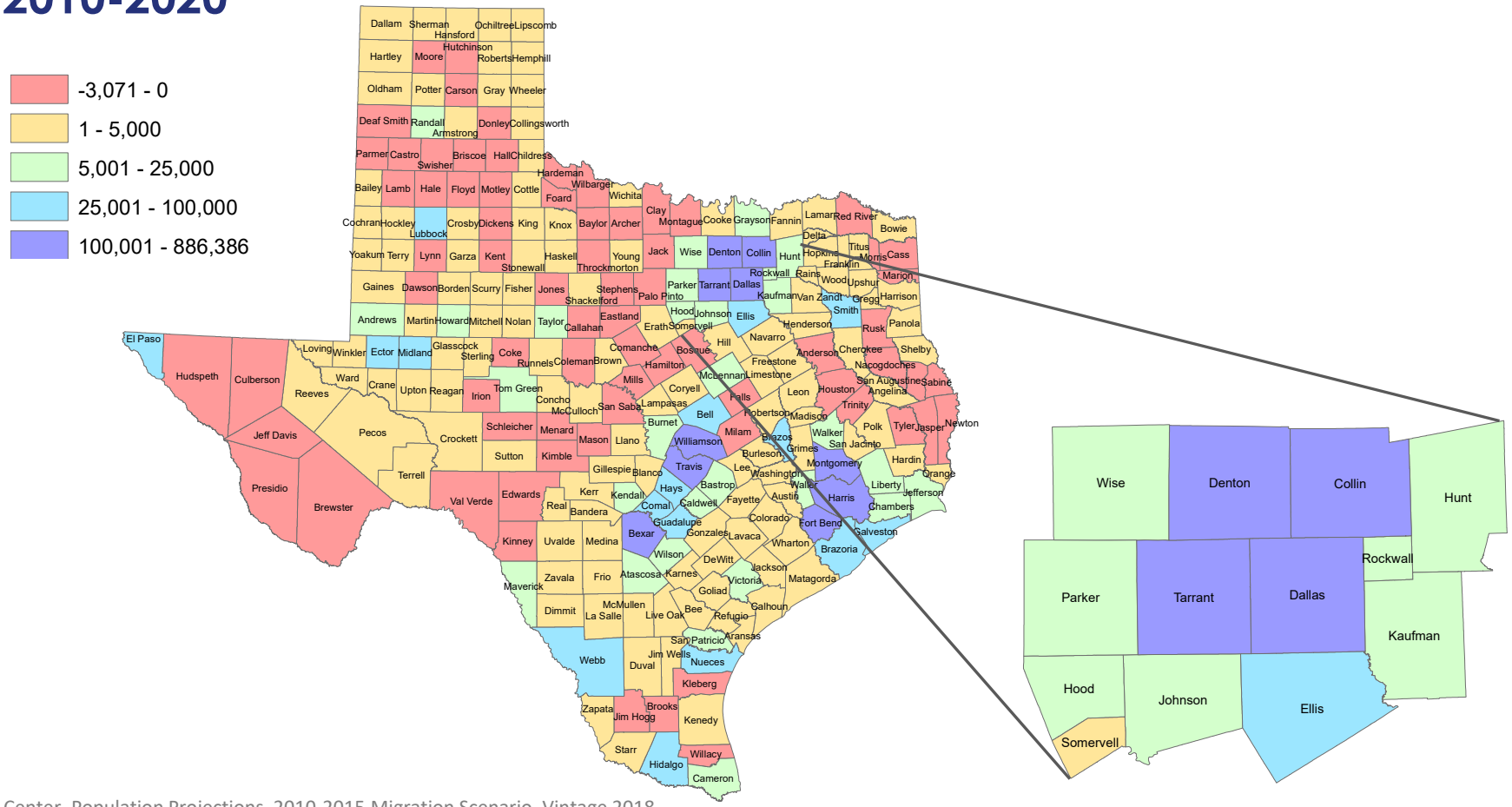
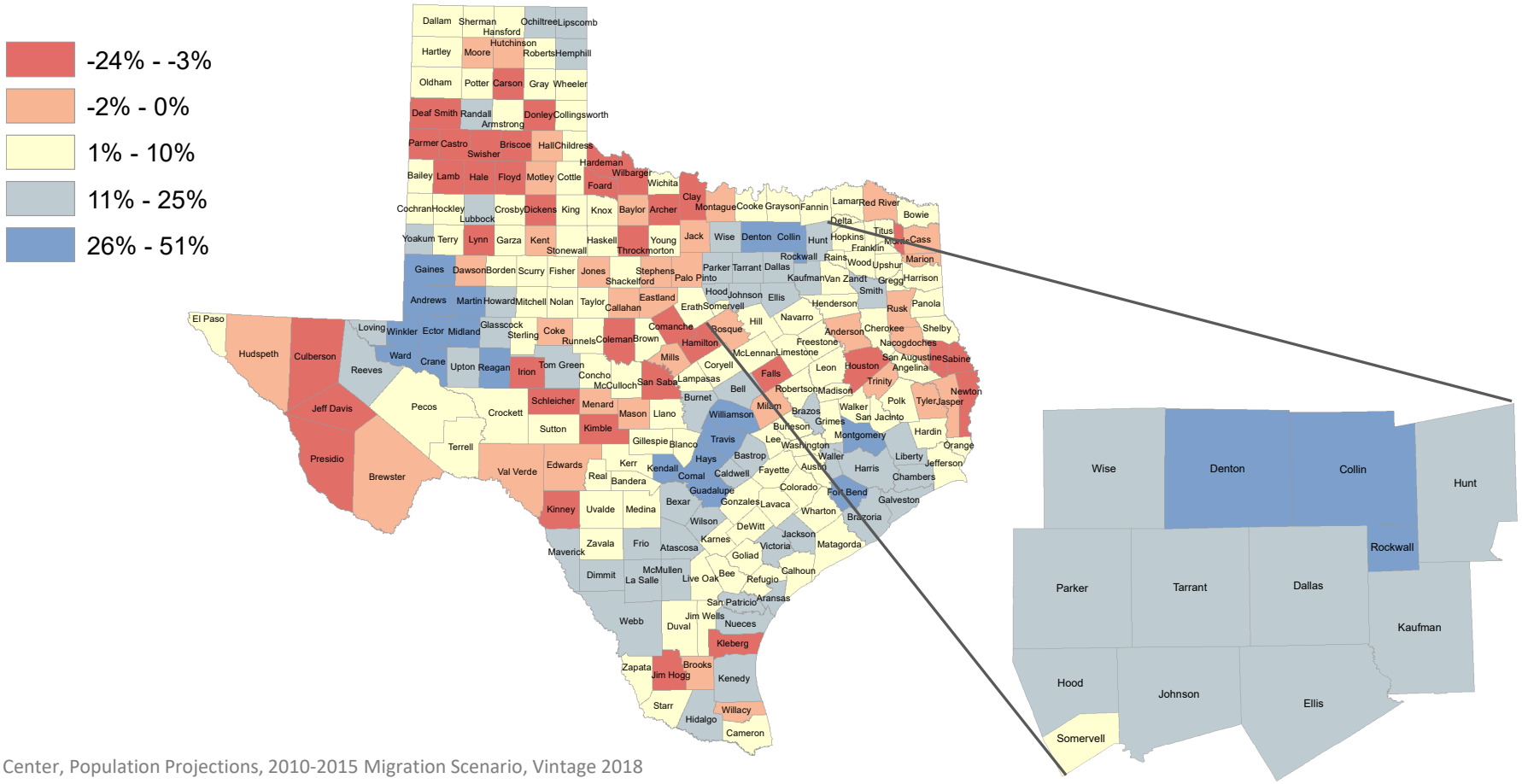


Source: Texas Demographic Center, Population Projections, 2010-2015 Migration Scenario, Vintage 2018

Projected Percent Change of the Total Population, Texas Counties and DFW Metro Area 2010-2020



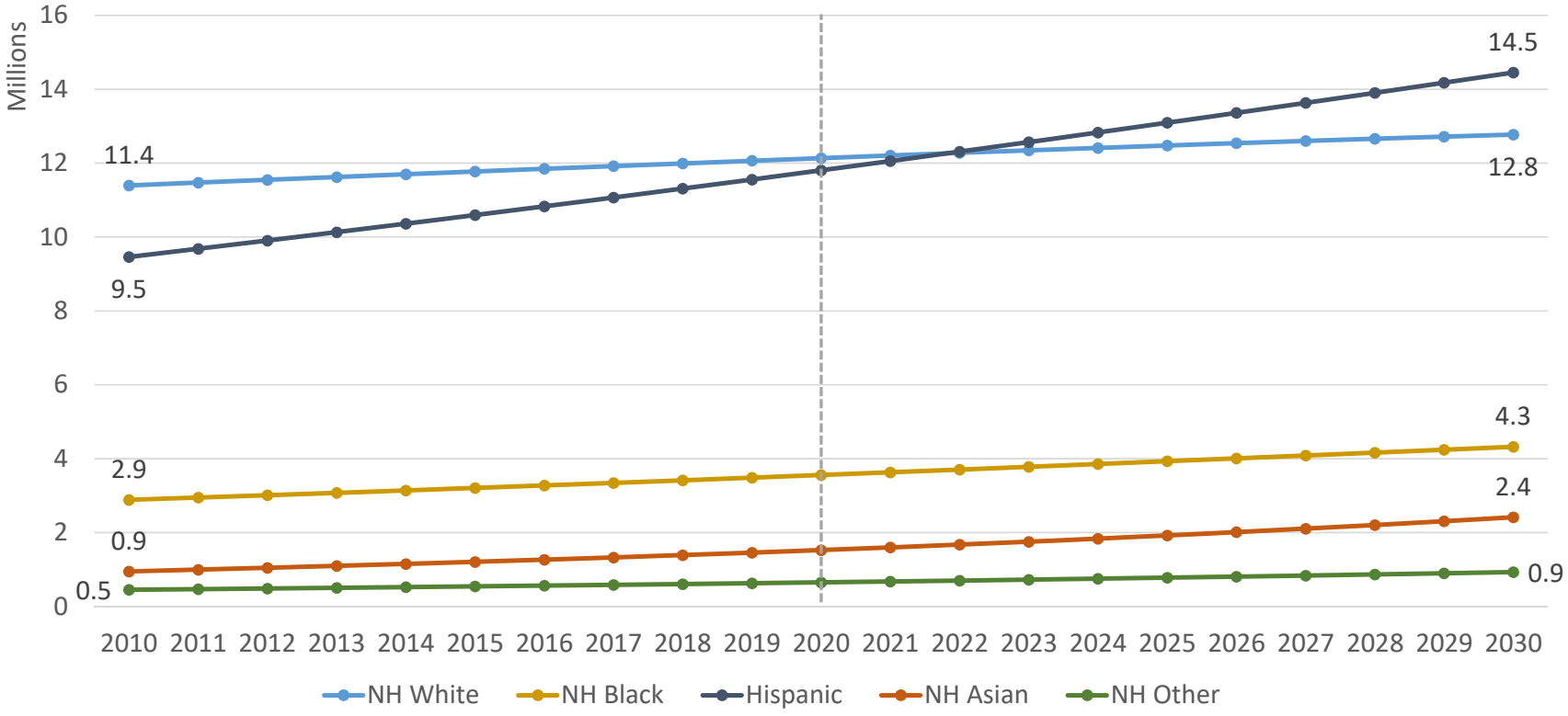
Source: Texas Demographic Center, Population Projections, 2010-2015 Migration Scenario, Vintage 2018

Population and Projected Population Change, DFW Metro Counties, 2010-2020

County	Population 2010	Projected Population 2020	Numeric Change, 2010-2020	Percent Change, 2010-2020
Dallas	2,368,139	2,734,111	365,972	15.5%
Tarrant	1,809,034	2,143,755	334,721	18.5%
Collin	782,341	1,039,369	257,028	32.9%
Denton	662,614	897,953	235,339	35.5%
Ellis	149,610	177,721	28,111	18.8%
Johnson	150,934	171,701	20,767	13.8%
Parker	116,927	135,621	18,694	16.0%
Kaufman	103,350	125,134	21,784	21.1%
Rockwall	78,337	102,243	23,906	30.5%
Hunt	86,129	95,324	9,195	10.7%
Wise	59,127	65,807	6,680	11.3%
Hood	51,182	58,643	7,461	14.6%
Somervell	8,490	9,294	804	9.5%

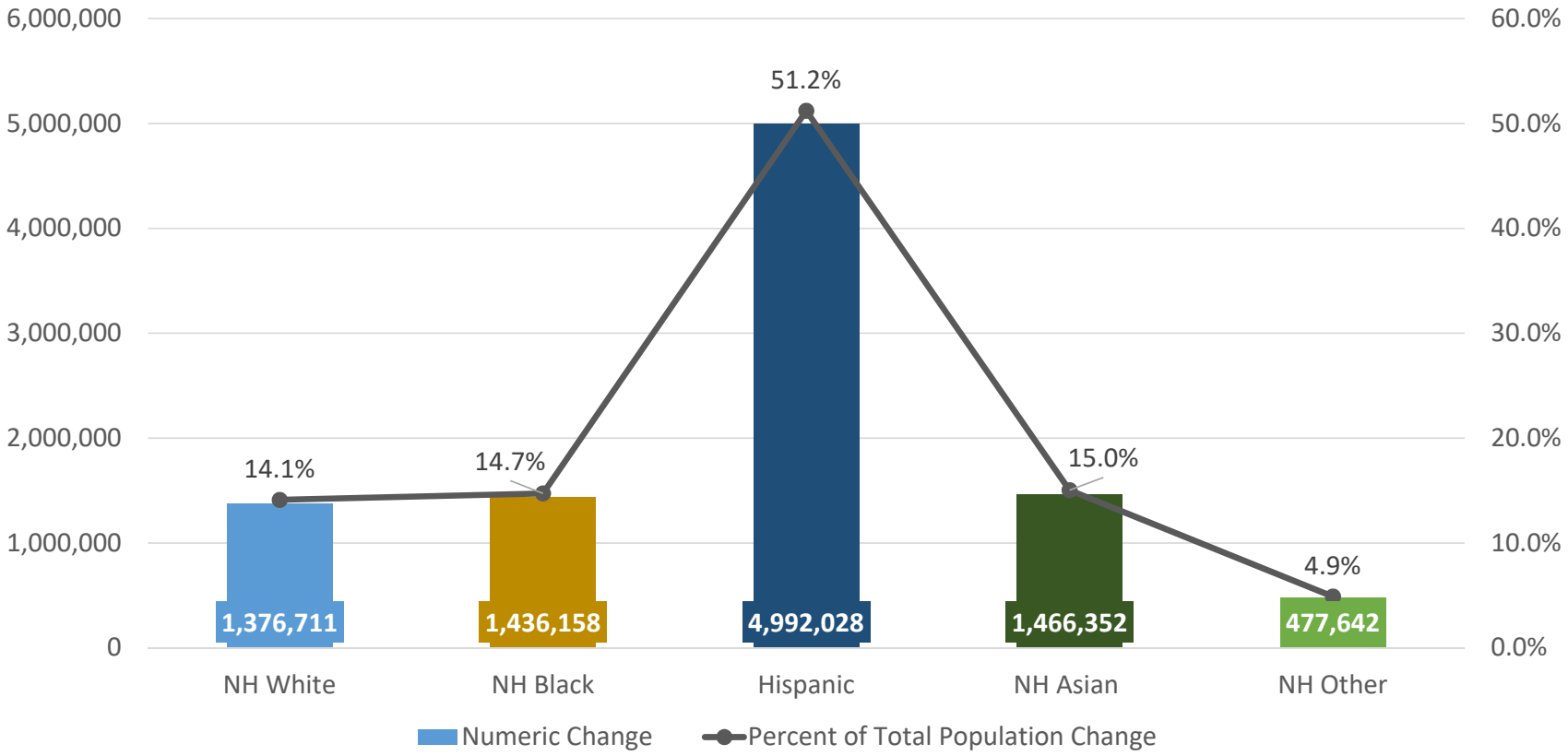
Source: Texas Demographic Center, Population Projections, 2010-2015 Migration Scenario, Vintage 2018

Population Projections by Race/Ethnicity, Texas, 2010-2030



Source: Texas Demographic Center, 2018 Vintage Population Projections, 2010-2015 Migration Scenario

Projected Population Change and Percent of Total Change by Race/Ethnicity, Texas, 2010-2030



Source: Texas Demographic Center 2018 Population Projections

Percent of Total Projected Population Change by Race/Ethnicity, DFW Metro Counties, 2010-2020

County	Percent of Total Population Change, 2010 to 2020				
	NH White	NH Black	Hispanic	NH Asian	NH Other
Collin	**32.8%**	16.1%	19.8%	**26.5%**	4.7%
Dallas	-1.5%	27.6%	**49.9%**	19.7%	4.3%
Denton	**35.3%**	**20.1%**	**24.4%**	**16.5%**	3.8%
Ellis	30.9%	17.0%	**47.8%**	0.6%	3.8%
Hood	**56.0%**	0.9%	39.8%	0.6%	2.7%
Hunt	28.9%	15.6%	**50.8%**	3.2%	1.4%
Johnson	27.4%	9.1%	**55.2%**	0.9%	7.4%
Kaufman	33.0%	12.6%	**50.2%**	1.0%	3.2%
Parker	**65.5%**	0.9%	28.9%	0.6%	4.0%
Rockwall	**57.7%**	8.2%	26.8%	5.2%	2.1%
Somervell	**44.7%**	2.2%	**47.1%**	1.2%	4.7%
Tarrant	13.1%	26.4%	**42.5%**	12.9%	5.1%
Wise	**43.4%**	1.6%	**49.8%**	0.7%	4.5%

Source: Texas Demographic Center, Population Projections, 2010-2015 Migration Scenario, Vintage 2018

A complete 2020 Census count is critical to Texas.

What is the Census?

- Every ten years, the country conducts a census to count every person in the United States.
- April 1, 2020 is the official Census date.
- Census counts used to reapportion the U.S. House of Representatives, determining how many seats each state gets.
- Census counts also used to determine the number of electoral college votes a state gets.
- Census counts used by state and local officials to redraw congressional, legislative, and local boundaries to account for population shifts.
- Businesses rely on Census data for market research, locations, and economic development.
- Census derived data are used to allocate over $1.5 trillion in federal funds to support healthcare, education, transportation, or other service programs.*

*Source: Reamer, Andrew; George Washington Institute of Public Policy, Counting for Dollars

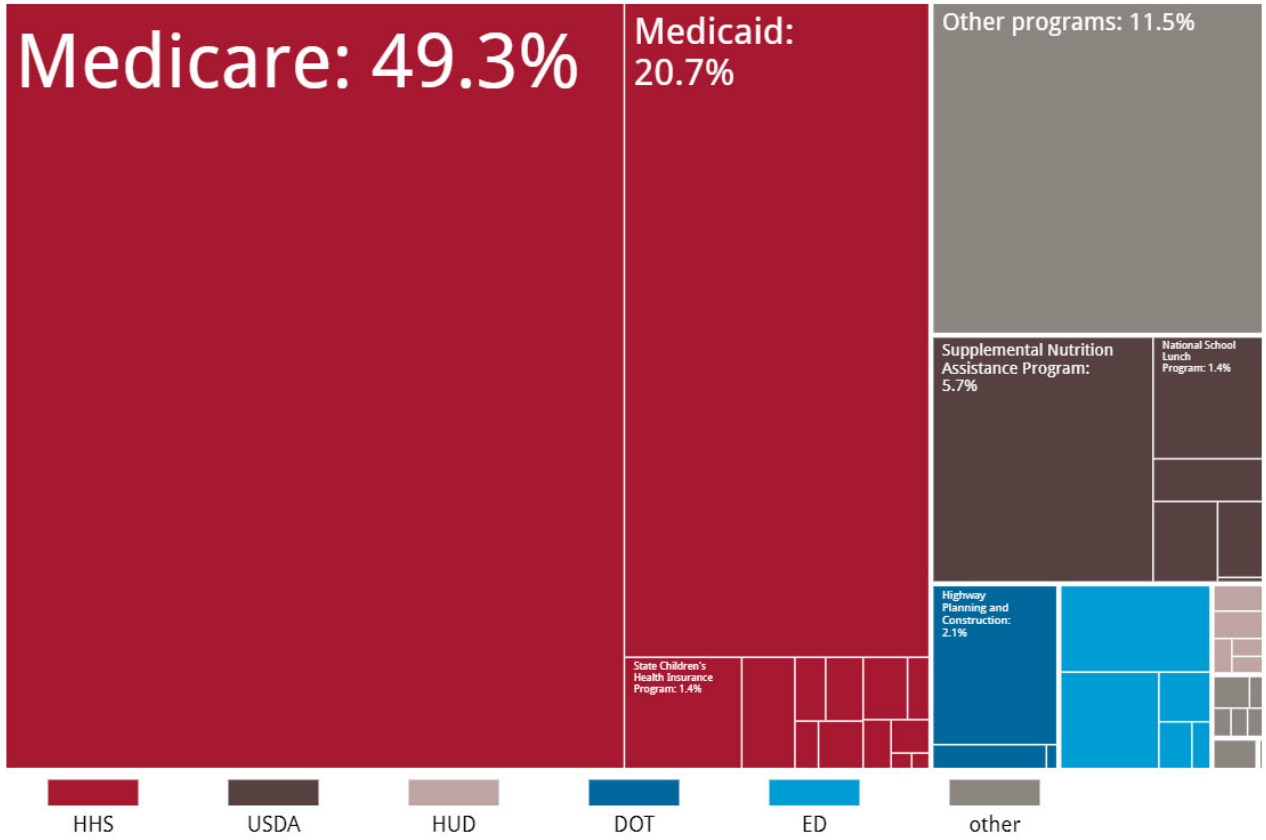
Census Derived Funding in Texas

In FY 2017, Texas received **$101 billion** in federal funding for programs that use Census derived data.

$50 billion for Medicare

$21 billion for Medicaid

$30 billion for other programs.



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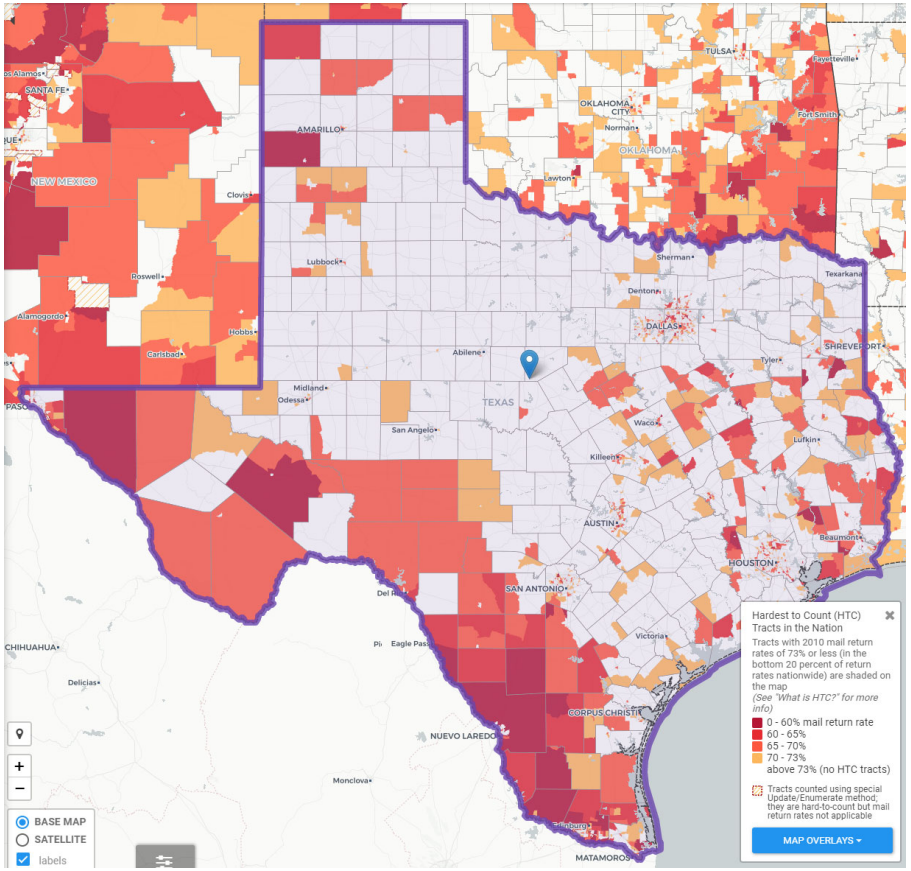
Texas Hard to Count Populations



An estimated 7 million, or nearly 25% of Texans live in HTC areas.

- People of color
- Children under 5 years
- Populations in/near poverty
- Single-parent households
- Immigrants
- Limited English proficiency
- People in multi-family housing
- Renters
- People in larger households

Source: Center for Urban Research of the City University of New York (CUNY) Graduate Center. https://www.censushardtocountmaps2020.us

Thank you.

The 2020 Census has finished collecting responses.

Shape your future
START HERE >

United States® Census 2020

So how did we do in the 2020 Census?

U.S. Response Rates to the 2020 Census

Mapping Response Rates for a Fair and Accurate 2020 Census

U.S. response rates:

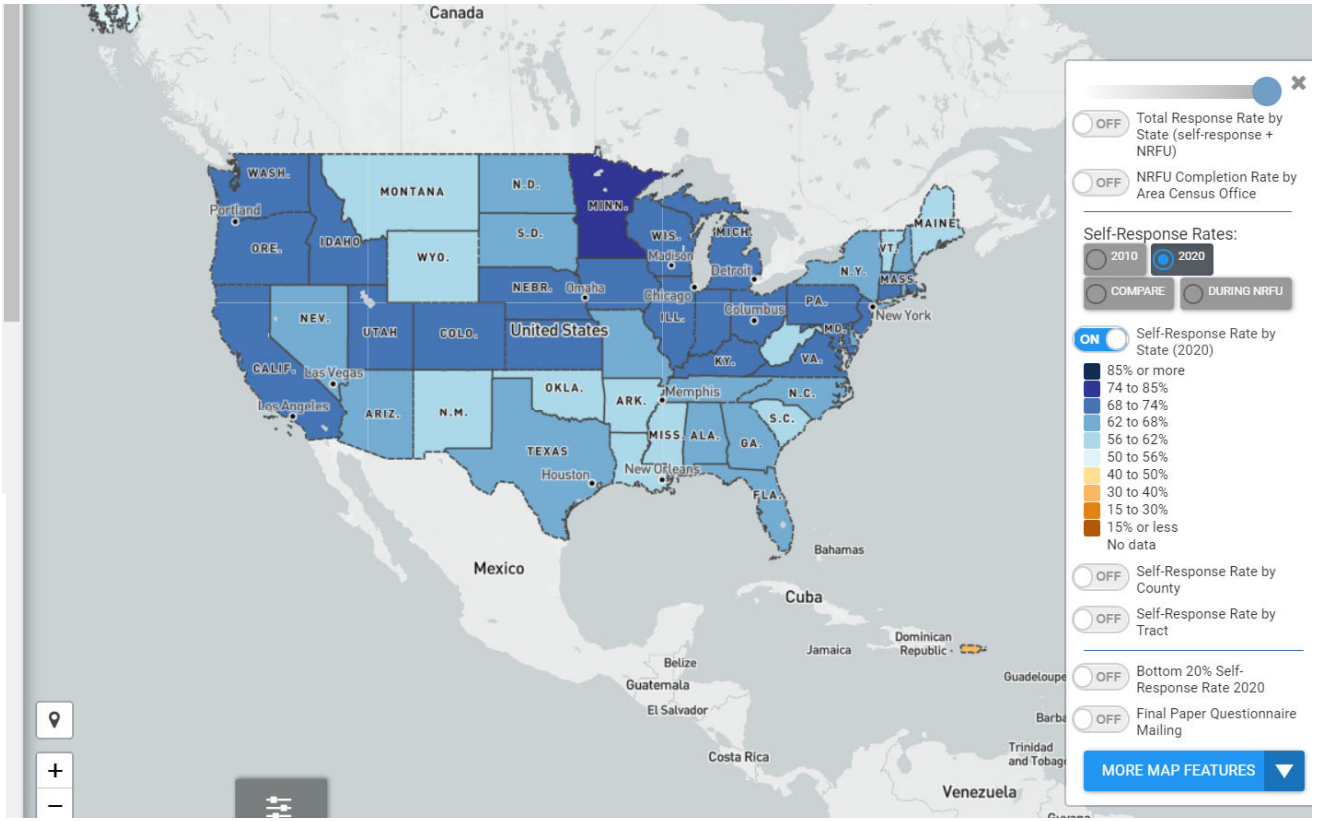
63.2%	+3.8%
Self-response pre-NRFU*	Self-Response during NRFU
67.0%	+32.9%
Self-response as of 10/17	Share of all units resolved via NRFU

On Sept. 29, America met its final 2010 self-response rate of 66.5%.

99.9%
TOTAL SHARE OF HOUSING UNITS ENUMERATED
nationwide as of 10/17

The Census Bureau says it's on track to count at least 99% of U.S. households. But that may not mean the count is complete or accurate.

Total Response Rate
=
Self-Response Rate
+
NRFU Enumerated Rate



Source: Center for Urban Research of the City University of New York (CUNY) Graduate Center. https://www.censushardtocountmaps2020.us

U.S. Response Rates to the 2020 Census

- **99.98%** of all housing units and addresses nationwide were enumerated.
- **2020 Self-Response Rate of 67.0%** surpassed 2010 Self-Response Rate of 66.5%.
- **32.9%** housing units enumerated through Non-Response Follow-Up (**NRFU**).
- **24.1%** of NRFU workload enumerated through **proxy** (landlord, neighbor, etc.).
- **5.6%** of address nationwide (13.9% of NRFU workload) resolved using **administrative records**

Source: U.S. Census Bureau, News Briefing to Provide Updates on 2020 Census Operations, 10/20/2020

2020 Census Total Response in Texas

Total Response Rate
=
Self-Response Rate
+
NRFU Enumerated Rate

Texas Response Rate:

99.9% = 62.8% + 37.1%

2020 Census Housing Unit Enumeration Progress by State

Sort by: Nonresponse Followup

	Report Date: 10/17/2020 As of 10/16/2020, percentage of housing units:		
State	Enumerated	Enumerated in Nonresponse Followup (NRFU)	Self-Responded
U.S. Total	**99.9**	**32.9**	**67.0**
Puerto Rico	99.9	64.2	35.7
Alaska	99.9	45.2	54.7
West Virginia	99.9	43.7	56.2
Maine	99.9	41.7	58.2
New Mexico	99.9	41.2	58.7
Mississippi	99.9	39.5	60.4
Montana	99.9	39.5	60.4
Vermont	99.9	39.4	60.5
Arkansas	99.9	39.3	60.6
Oklahoma	99.9	38.9	61.0
South Carolina	99.9	38.9	61.0
Wyoming	99.9	38.8	61.1
Louisiana	99.0	38.6	60.4
Georgia	99.9	37.1	62.8
Texas	99.9	37.1	62.8

Source: U.S. Census Bureau, Total Response Rates by State. https://2020census.gov/en/response-rates/nrfu.html

Not all rates are created equal.

Self response rates | total response rates | enumeration rate
NRFU completion rates

What we do know:

- Texas self-response rate lags 2010 rate: 62.0% vs. 64.4%
- Self-response rates vary across the state.
- Enumeration does not mean count.
- Self-response yields the most accurate census data.

2020 Census Response Across Texas

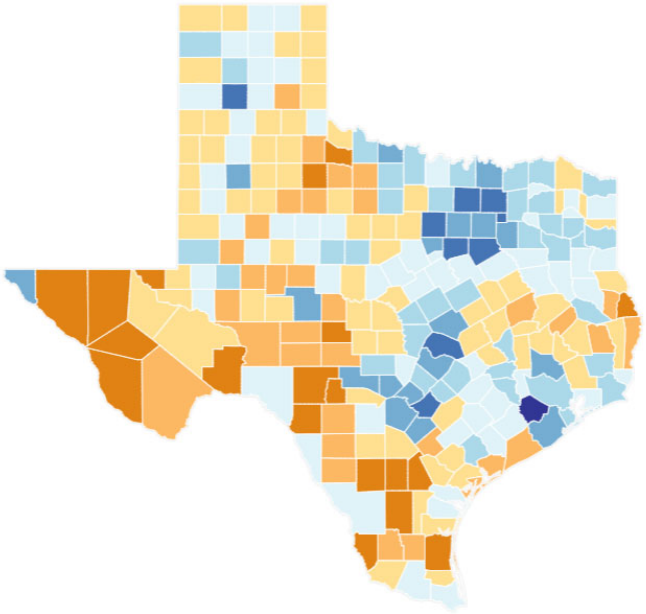
Self-Response Rates among Texas Counties ranged from 75.8% in Fort Bend County to 18.6% in Edwards County.

29/254 (11%) Counties met or surpassed their 2010 SRR.

283/1221 (23%) Places/Cities met or surpassed their 2010 SRR.

Texas Self-Response
62.8%

Anderson Self-Response
53.6%



Self-Response Rate (%)

0-15 | 16-30 | 31-40 | 41-50 | 51-56 | 57-62 | 63-68 | 69-74 | 75-85 | 86-100

Source: U.S. Census Bureau, Self-Response Rates Map. https://2020census.gov/en/response-rates/self-response.html

TDC Analysis of Census Tracts with Self-Response Rates in Bottom 20% as of 9/28/20

- Texas has **1347 census tracts** (CTs) with self-response rates **below 50%** (bottom 20% of self-response rates across all Texas CTs)
- These lower responding CTs are distributed across the state, in 231 of 254 counties. However, there are more census tracts in the lower NRFU completion ACOs, specifically **Laredo, Fort Bend, Lubbock,** and **El Paso**.
- **47.9%** of these CTs have **majority (>50%) Hispanic** populations and **55.9%** have a **greater share of Hispanics** than their state share (>40%).
- **5%** of these CTs have **majority (>50%) African American** populations and **35.3%** have a **greater share of Blacks** than their state share (>12%).
- **77.1%** of these CTs greater shares than the Texas share of **Hispanic and/or Black** populations.

Source: Texas Demographic Center, Analysis of Bottom 20% Self-Response Rate Census Tracts as of 9/28/2020

Tarrant County and Arlington 2020 Census Self-Response Rates

- Tarrant County Self-Response Rates

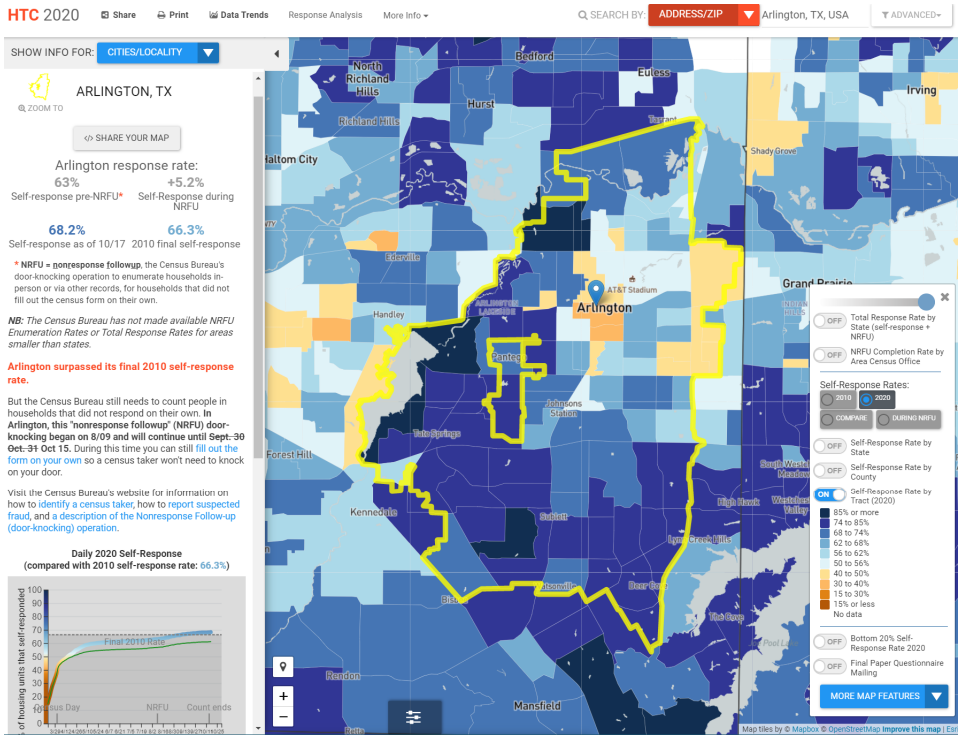
  2010 = 66.8%

  2020 = 68.8%

- Arlington, TX Self-Response Rates

  2010 = 66.3%

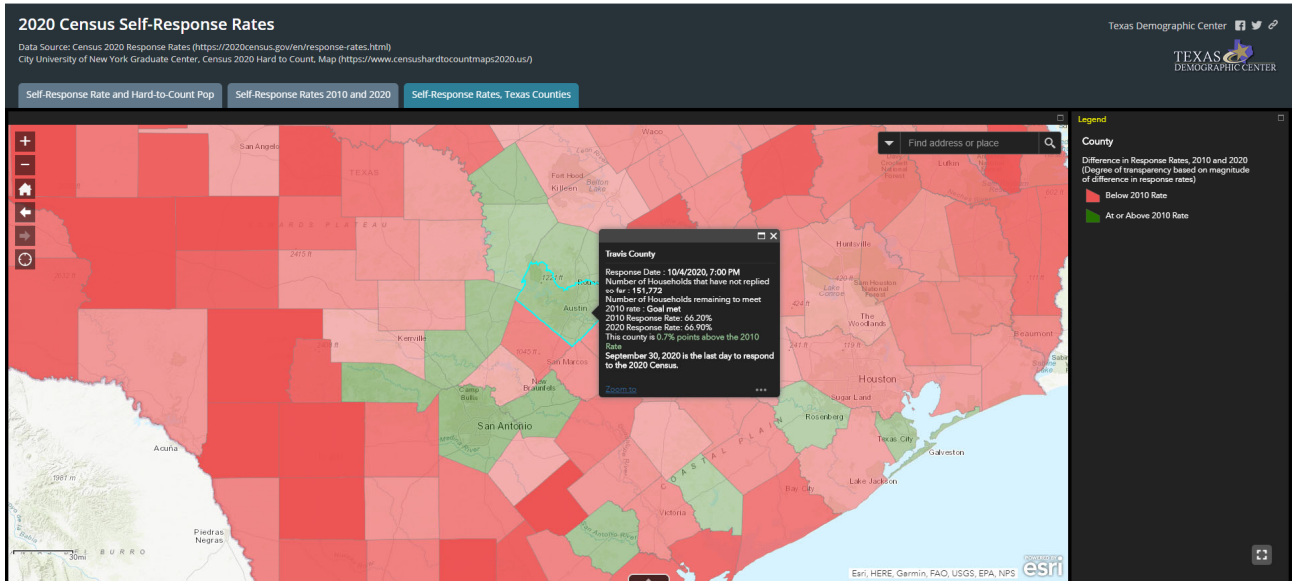
  2020 = 68.2%

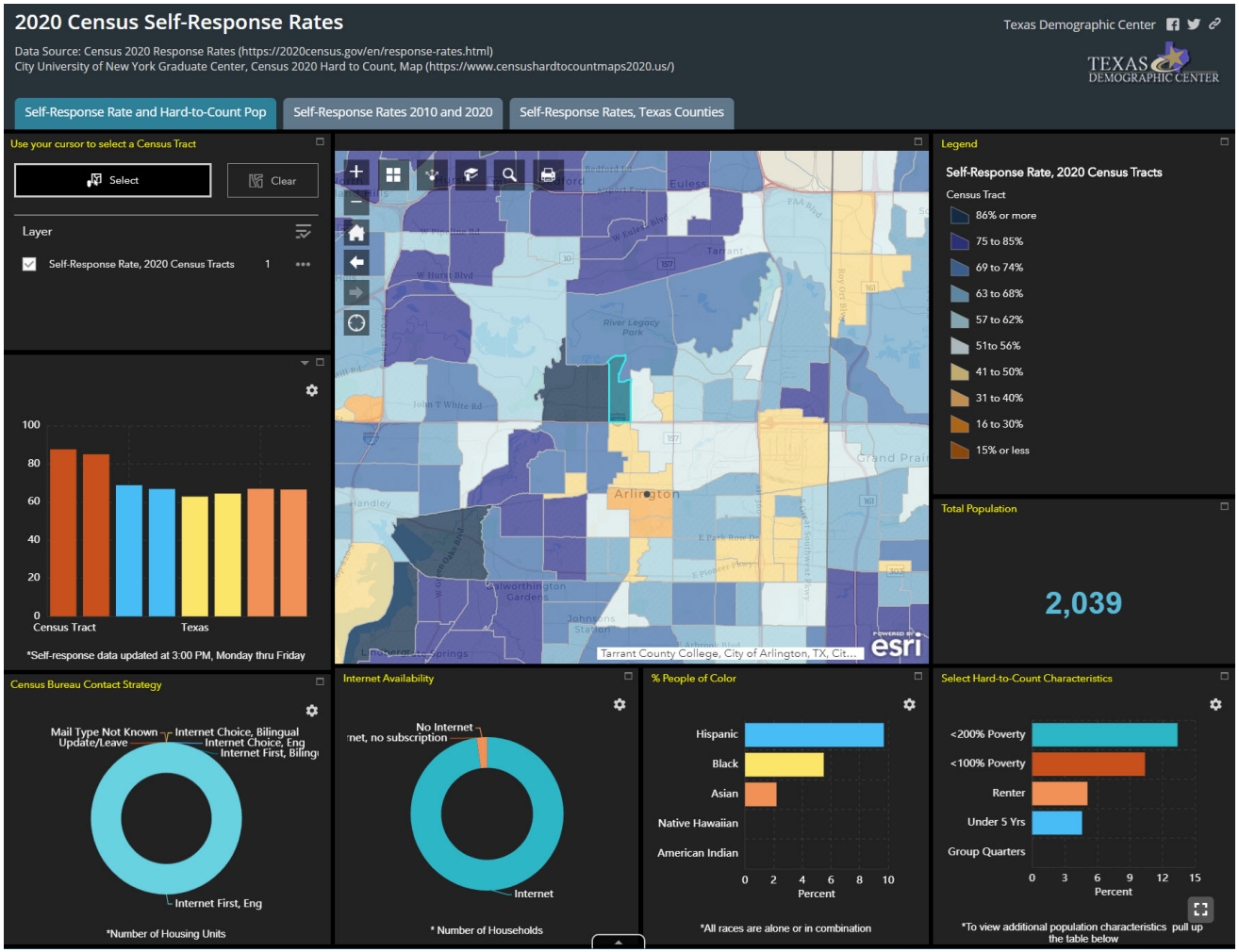


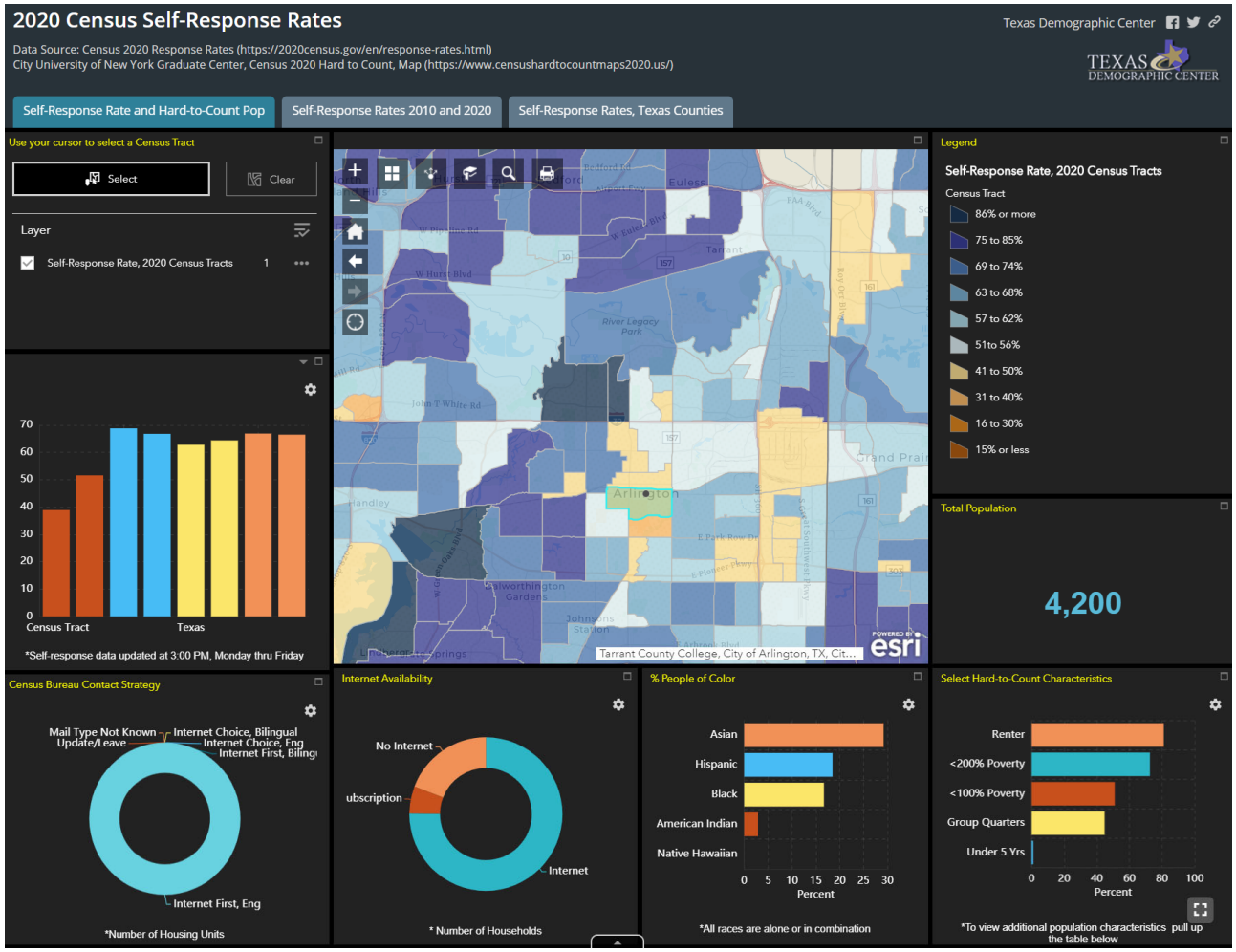
Source: Center for Urban Research of the City University of New York (CUNY) Graduate Center. https://www.censushardtocountmaps2020.us

Texas Demographic Center Data and Data Products

- TDC 2020 Census Resources
  - Map and dashboard
  - Static maps
  - Redistricting resources




2020 Census Self-Response Rates
Texas Demographic Center
Data Source: Census 2020 Response Rates (https://2020census.gov/en/response-rates.html)
City University of New York Graduate Center, Census 2020 Hard to Count, Map (https://www.censushardtocountmaps2020.us/)
TEXAS DEMOGRAPHIC CENTER
Self-Response Rate and Hard-to-Count Pop
Self-Response Rates 2010 and 2020
Self-Response Rates, Texas Counties
Use your cursor to select a Census Tract
Select
Clear
Layer
Self-Response Rate, 2020 Census Tracts 1
100
80
60
40
20
0
Census Tract
Texas
*Self-response data updated at 3:00 PM, Monday thru Friday
Legend
Self-Response Rate, 2020 Census Tracts
Census Tract
86% or more
75 to 85%
69 to 74%
63 to 68%
57 to 62%
51to 56%
41 to 50%
31 to 40%
16 to 30%
15% or less
Total Population
2,039
Arlington
Tarrant County College, City of Arlington, TX, Cit...
esri
Census Bureau Contact Strategy
Mail Type Not Known
Update/Leave
Internet Choice, Bilingual
Internet Choice, Eng
Internet First, Bilingu
Internet First, Eng
*Number of Housing Units
Internet Availability
No Internet
Internet
* Number of Households
% People of Color
Hispanic
Black
Asian
Native Hawaiian
American Indian
0 2 4 6 8 10
Percent
*All races are alone or in combination
Select Hard-to-Count Characteristics
<200% Poverty
<100% Poverty
Renter
Under 5 Yrs
Group Quarters
0 3 6 9 12 15
Percent
*To view additional population characteristics pull up the table below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Legend
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86% or more
75 to 85%
69 to 74%
63 to 68%
57 to 62%
51to 56%
41 to 50%
31 to 40%
16 to 30%
15% or less
Total Population
4,200
Census Bureau Contact Strategy
Mail Type Not Known
Update/Leave
Internet Choice, Bilingual
Internet Choice, Eng
Internet First, Bilingu
Internet First, Eng
*Number of Housing Units
Internet Availability
No Internet
ubscription
Internet
* Number of Households
% People of Color
Asian
Hispanic
Black
American Indian
Native Hawaiian
0 5 10 15 20 25 30
Percent
*All races are alone or in combination
Select Hard-to-Count Characteristics
Renter
<200% Poverty
<100% Poverty
Group Quarters
Under 5 Yrs
0 20 40 60 80 100
Percent
*To view additional population characteristics pull up the table below

Areas of Concern

- Communities of color
- Under-represented groups in administrative records
- Areas with low internet access
- Off-campus college students
- Public perception of the Census Bureau and its data

Census Bureau Data Quality Measures

- Census Coverage Measures: provide undercount by demographic groups, geography, and method
- Post-Enumeration Survey: interview a small sample of HHs who to check accuracy of data collected on 2020 census forms (November 2021-February 2022)
- Demographic Analysis: produce population estimates using vital statistics, estimates of international migration and administrative records (December 2020)
- For more info: https://www.census.gov/newsroom/press-releases/2020/2020-census-metrics-data-quality-measures.html
- https://www.census.gov/programs-surveys/decennial-census/about/coverage-measurement.html (2010 Census)

Important Dates:

- 11/30/2020: Supreme Court to weigh in on whether POTUS can change who is counted for apportionment
- 1/26/2021 ~~12/31/2020**~~ ~~4/30/2021~~*: Apportionment File sent to POTUS 1/10/2021: Hand-off to Congress for certification
- 1/20/2021: Inauguration of new president
- 1/22/2021 and no later than 2/28/2021: Redistricting Geographic Files
- No later than 4/1/2021 ~~7/31/2021*~~: Redistricting Data File (Public Law 94-171 File)
  - PL 94-171 released to states in groups of 8 states per week, with one week prior notice
  - PL 94-171 File to include:
    - Race, Ethnicity, 18 plus, Occupancy Status, Group Quarters by Type
  - Data available at WWW.CENSUS.GOV/RDO
- No schedule yet on other 2020 Census data products, but expected throughout 2022

*reverted to original date after lack of Congressional action

**moved to allow for processing of anomalies

Questions?

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