2019 Texas Demographic Conference

Texas Demographic Center Projections:

State Agency Applications (Texas Health and Human Services)

June 6, 2019

Texas HHS Preferred Dataset:

Population Projections for the State of Texas and Counties in One File. Contains projections by year, county, single year of age, sex-race/ethnicity.

Advantages:

Comprehensiveness and flexibility.

Software:

MS ACCESS, SPSS, R, Excel (for already aggregated data; pivot tables).

Examples of Common Uses and Applications

- **Informational - management support**
- **Strategic planning - analysis of external challenges**
- **Population-based regional funds allocation**
- **Analysis of program participation rates at the state and local level.**
- **Theoretical and working program caseload/population ceilings.**

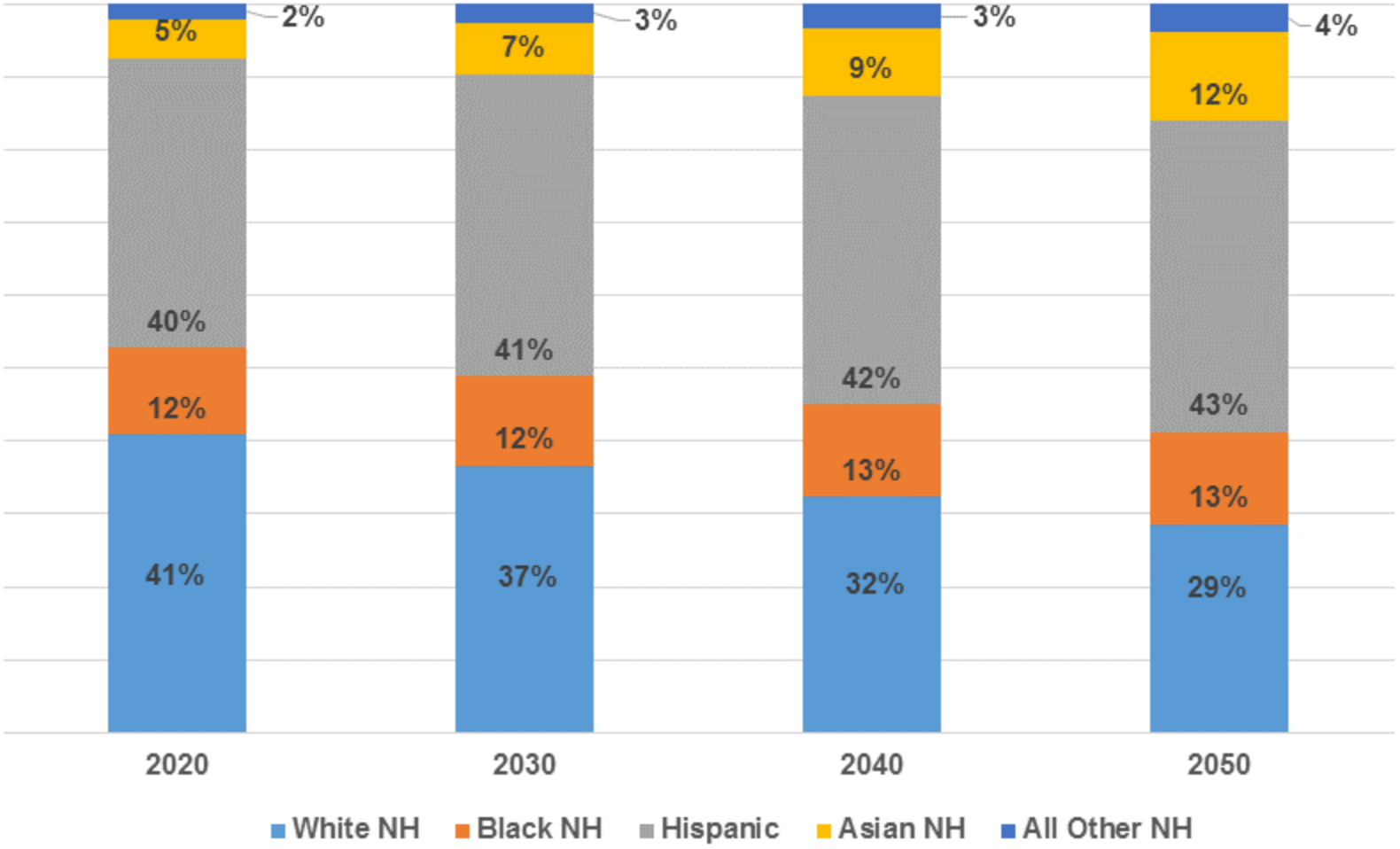
- **Development of additional person-level weight variables for datasets with micro (person-level) data such as the ACS (PUMS file) and the March Current Population Survey (CPS).**

- **One way of doing that: First, a sample, such as the 1-year ACS PUMS, is divided or organized into meaningful cohorts according to combinations of age, sex, and race/ethnicity. Then year-on-year, cohort-specific projected growth ratios are calculated by dividing the projected population for a particular cohort for a given year by the value that represents the sum of baseline person weights across the same cohort. The cohort-specific ratios are then multiplied by the baseline weights, and that**

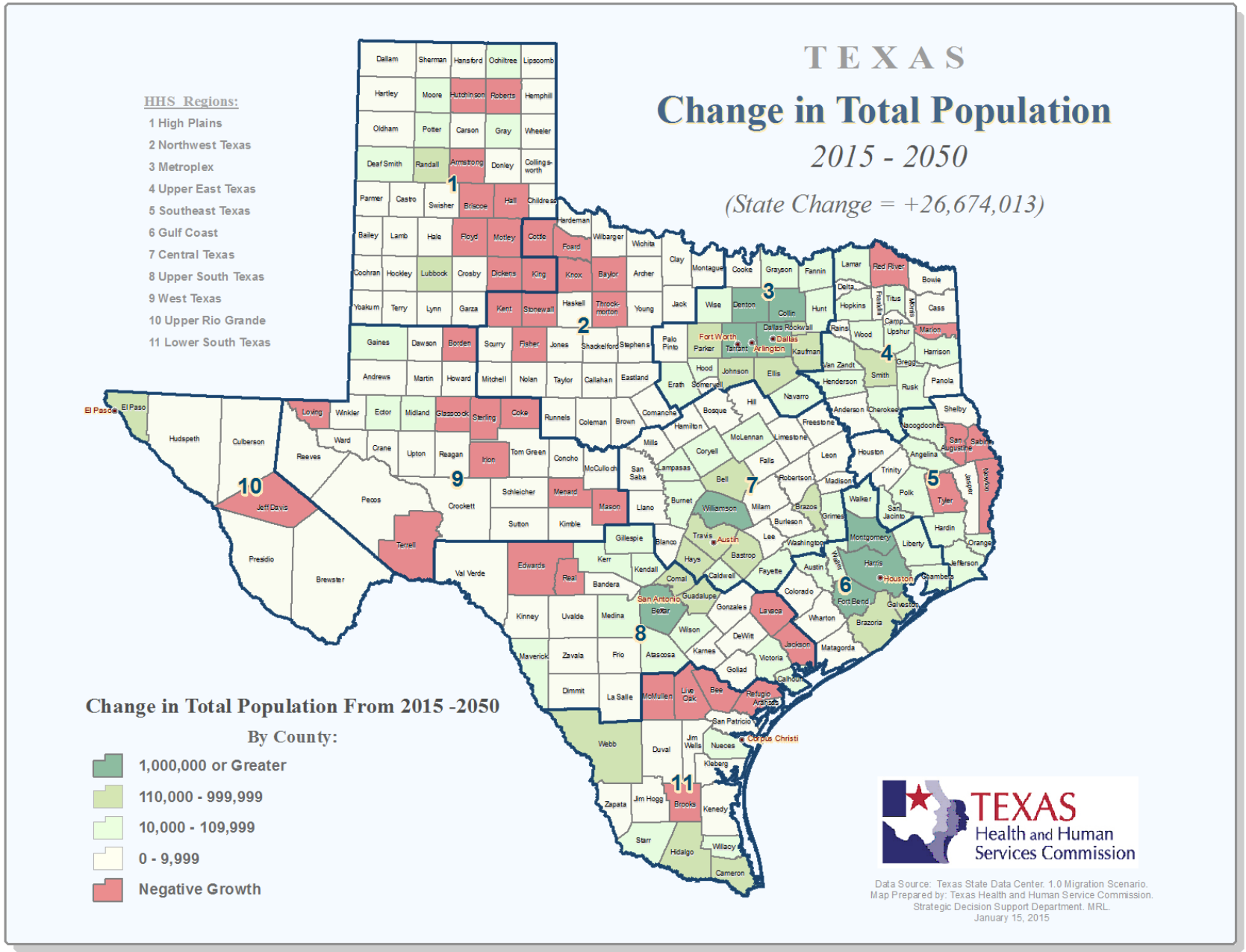
results in weight values that, when aggregated, largely match the projected size and composition of the population for a particular year. Don't forget to save the new weight variables in your working survey database.

- **Since the prevalence of an attribute may not be evenly distributed across the different cohorts as of the baseline year, and with the expectation that cohorts will experience different growth rates, applying the new year-specific weights to the baseline data will allow you to, among other things, explore the extent to which the prevalence of an attribute in a future year will be different in comparison to the baseline year - assuming other things remain equal.**

Projected Percent Share of Texas' Total Population by Race/Ethnicity: Selected Years, 2020-2050



Data Source: Texas Demographic Center. Texas Population Projections According to the 2010-2015 Migration Scenario.


TEXAS
Change in Total Population
2015 - 2050
(State Change = +26,674,013)
HHS Regions:
1 High Plains
2 Northwest Texas
3 Metroplex
4 Upper East Texas
5 Southeast Texas
6 Gulf Coast
7 Central Texas
8 Upper South Texas
9 West Texas
10 Upper Rio Grande
11 Lower South Texas
Change in Total Population From 2015 -2050
By County:
1,000,000 or Greater
110,000 - 999,999
10,000 - 109,999
0 - 9,999
Negative Growth
TEXAS
Health and Human
Services Commission
Data Source: Texas State Data Center. 1.0 Migration Scenario.
Map Prepared by: Texas Health and Human Service Commission.
Strategic Decision Support Department. MRL.
January 15, 2015

Preliminary Projection for 2019: Texans' By Percent of Federal Poverty Level (non-institutional population)	
Age / Percent of Federal Poverty Level (FPL)	**Projection**
Under Age 19	
At-Below 100%	1,601,000
101-138%	782,000
139-200%	1,070,000
201-400%	2,248,000
Above 400%	2,024,000
Total	7,725,000
Age 19 - 64	
At-Below 100%	2,197,000
101-138%	1,124,000
139-200%	1,961,000
201-400%	5,183,000
Above 400%	6,704,000
Total	17,169,000
Age 65+	
At-Below 100%	397,000
101-138%	291,000
139-200%	413,000
201-400%	1,139,000
Above 400%	1,408,000
Total	3,648,000

Thank You!

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