

The NCES ACS School District Tabulation: Annually-Updated Demographic Data

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Disclaimer: This presentation is to inform interested parties of research and to encourage discussion. The views expressed are those of the author and not necessarily those of the U.S. Census Bureau

Objectives

1. Introduce American Community Survey (ACS)
2. Explain unique data in the NCES ACS School District Tabulation
3. Provide examples and applications of ACS custom tab data
4. Identify where and how to get ACS school district data
5. Highlight data content for school districts across the US and Texas

Demographic Characteristics

- Age
- Sex
- Race
- Hispanic Origin



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Social Characteristics

- Educational attainment
- Marital status
- Place of birth
- Citizenship
- Residential mobility
- Language spoken at home
- Ability to speak English
- Veterans status
- Disability status
- Grandparents as caregivers
- Ancestry/Tribal affiliation
- Etc.



Stock Photo

Economic Characteristics

- Household income
- Poverty status/poverty ratio
- Employment Status
- Industry and occupation
- Transportation to work
- Place of work
- Etc.



Stock Photo

Housing Characteristics

- Type of unit
- Age of structure
- Number of rooms
- Own or rent
- Type of heating
- Mortgage payment
- Housing value
- Median rent
- Etc.



Stock Photos

ACS: Period Estimates

- ACS shows characteristics over a **period** of time
- Data aggregated over geographic areas and time
- ACS data availability depends on size of geographic area

Data Product	Population Size of Area	CY 2008	CY 2009	CY 2010	CY 2011	CY 2012	CY 2013
1-Year Estimates:	65,000+	2007	2008	2009	2010	2011	2012
3-Year Estimates:	20,000+	2005-2007	2006-2008	2007-2009	2008-2010	2009-2011	2010-2012
5-Year Estimates:	All Areas*			2005-2009	2006-2010	2007-2011	2008-2012

ACS: School District Data

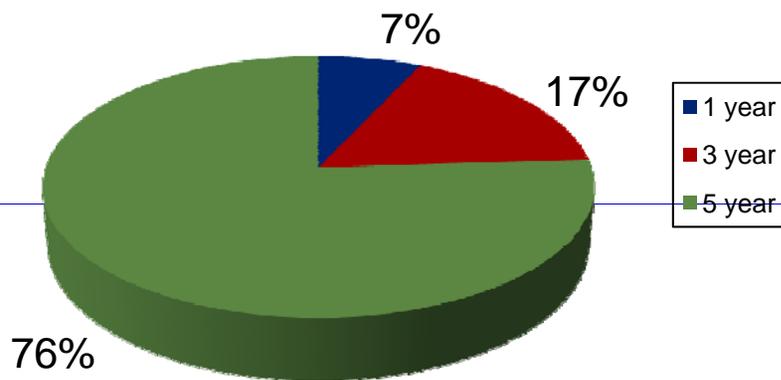
1. ACS - first standard Census data product to include school districts
2. ACS standard data products available via American FactFinder:
 - Detailed cross-tabulations (1000+ tables) by subject
 - Summary profiles: social, economic, housing, demographic
 - School district maps (in context with other census boundaries)

The screenshot displays the American FactFinder interface for the Apache Junction Unified District in Arizona. The main content area shows a table titled 'Selected Social Characteristics in the United States' with a sub-section for 'HOUSING BY TYPE'. The table provides estimates, means of error, and percentages for various housing categories.

Selected Social Characteristics in the United States	Estimate	Mean of Error	Percent	Mean of Error
HOUSING BY TYPE				
Total households	36,198	+1,883	5.2%	(0)
Female householders	20,260	+1,027	5.1%	+12.8
Male householders	7,911	+402	5.1%	+12.4
Married-couple family	16,716	+1,027	53.9%	+12.9
With own children under 18 years	6,026	+478.9	36.7%	+12.2
Male householder, no wife present, family	1,481	+142.7	5.2%	+11.5
With own children under 18 years	995	+120.3	3.3%	+11.1
Female householder, no husband present, family	2,951	+150.8	8.1%	+11.9
With own children under 18 years	1,987	+125.8	6.2%	+11.7
Nonfamily households	8,940	+1,012	24.7%	+12.8
Householder living alone	7,261	+828	20.4%	+12.5
18 years and over	3,326	+144.1	11.1%	+11.5
Householders with one or more people under 18 years	8,395	+1,080	23.2%	+12.4
Householders with one or more people 18 years and over	10,672	+1,532	29.4%	+12.9
Average household size	2.23	+1.08	(0)	(0)
Household head size	2.85	+1.08	(0)	(0)
RELATIONSHIP				
Population in households	61,425	+12,401	20.1%	(0)
Householder	36,198	+1,883	44.8%	+11.2
Spouse	16,593	+1,105	26.7%	+11.2
Child	14,993	+1,401	22.2%	+11.8
Other relatives	3,246	+418.1	5.3%	+12.9

ACS: School District Data

Percent of School Districts by Type of Estimate



Source: ACS 2009

Year

1, 3, 5 year

3, 5 year

5 year

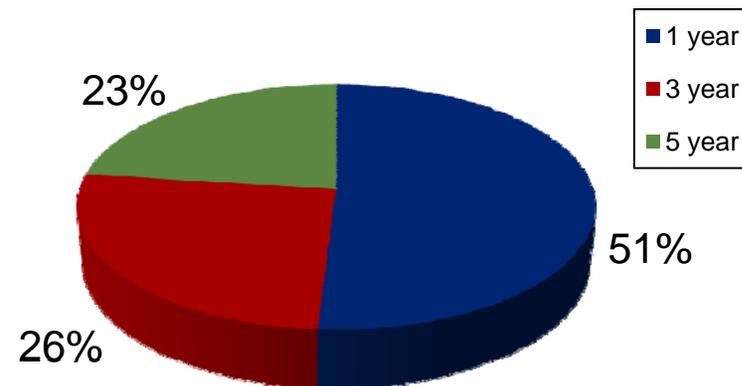
Pop Threshold

$\geq 65,000$

$\geq 20,000$

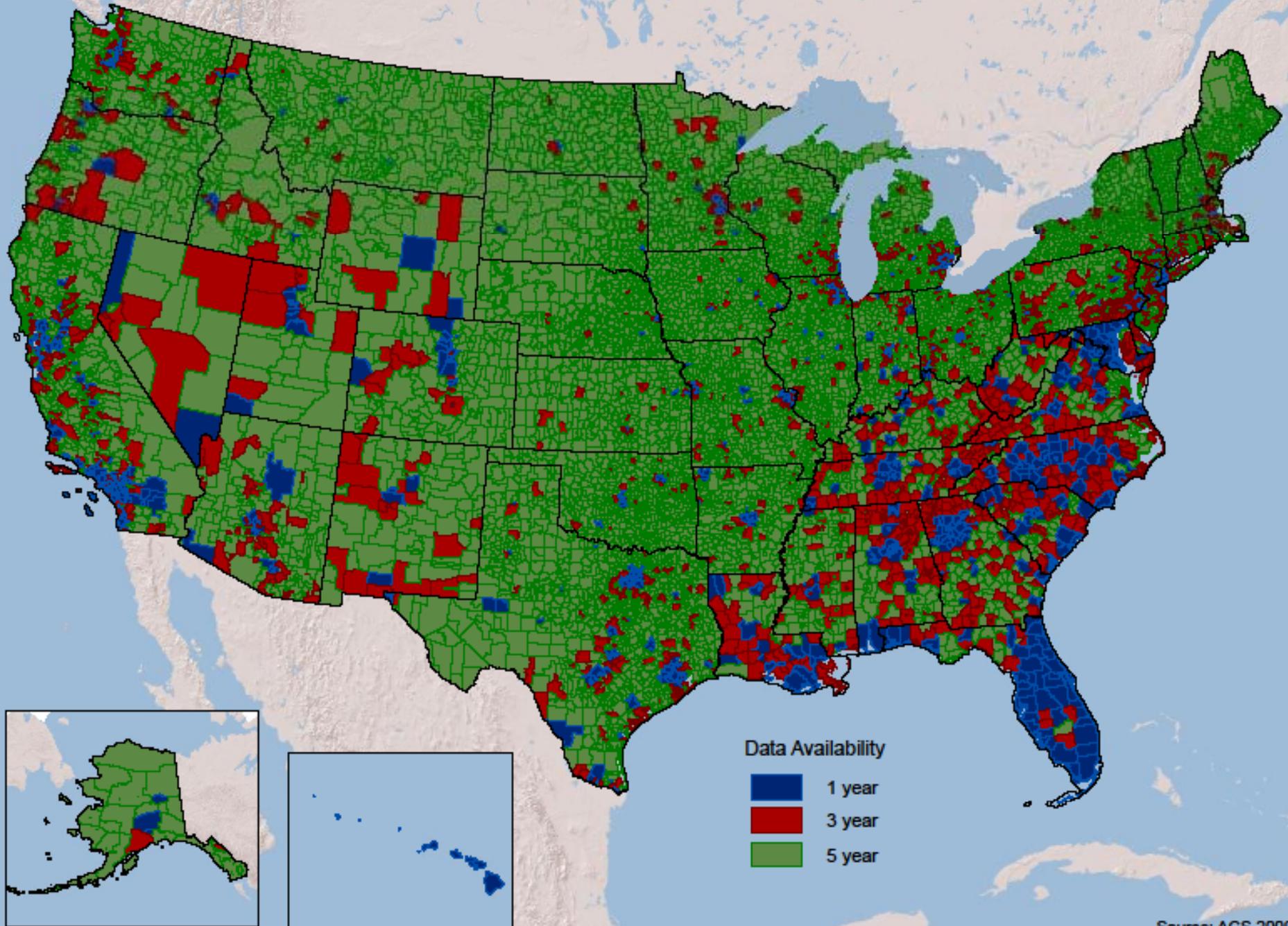
All areas

Percent of Public Enrollment by Type of Estimate



Source: 2000 Common Core of Data

School Districts by Type of ACS Estimate Available



Source: ACS 2009

ACS Data Uses

1. Planning

- Communities
- School Districts
- Local Governments



2. Researching

- Academics
- Non-Profit Organizations

3. Informing

- Public
- Media



American FactFinder (AFF)

U.S. Census Bureau



American FactFinder

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Data Sets

POPULATION FINDER

FACT SHEET

PEOPLE

HOUSING

BUSINESS AND GOVERNMENT

ABOUT THE DATA

DATA SETS

- Decennial Census
- American Community Survey**
- Puerto Rico Community Survey
- Annual Population Estimates
- Economic Census
- Annual Economic Surveys

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MAPS

TOOLS AND REFERENCES

[Main](#) ▸ [Data Sets](#)

AMERICAN COMMUNITY SURVEY

[Load Query](#) | [Clear all selections](#)

The American Community Survey is a nationwide survey designed to provide communities a fresh look at how they are changing. The Puerto Rico Community Survey is the equivalent of the American Community Survey for Puerto Rico. [more...](#)

[2009 Quick Guide](#) | [Errata Notes](#)

Other Resources

- [American Community Survey Main Page](#)
- [Quality Measures](#)
- [Public Use Microdata Sample \(PUMS\)](#) - download data and view documentation
- [Download Center](#)
- [Download 1996-2004 data via FTP](#)

[Explain Table and Map Formats](#)

2009

2005-2009 American Community Survey 5-Year Estimates

- Data from the American Community Survey and the Puerto Rico Community Survey
- Collected during calendar years 2005, 2006, 2007, 2008 and 2009
- Available for small geographic areas

[Explain 1-year vs. 3-year vs. 5-year estimates](#)
[Download 5-Year Block Group Data in Summary Files](#)

2007-2009 American Community Survey 3-Year Estimates

- Data from the American Community Survey and the Puerto Rico Community Survey

Select from the following:

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[Enter a table number](#)

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U.S. CENSUS BUREAU

ACS Standard Product Data Sources: Summary File

U.S. Census Bureau

People | Business | Geography | Newsroom | Subjects A to Z | Search@Census

American Community Survey

You are here: [Census.gov](#) > [American Community Survey](#) > [Data & Documentation](#) > [Summary File](#)

[Main](#) | [About the Survey](#) | [Guidance for Data Users](#) | [Data & Documentation](#) | [Methodology](#) | [Library](#)

- Data
- Documentation
- Geography
- Downloadable data via FTP
- **Summary File**
- Public Use Microdata Sample (PUMS)
- Custom Tabulations

Summary File

An ACS Summary File is a set of comma-delimited text files that contain all of the Detailed Tables for the ACS 1-year, 3-year or 5-year estimates. For example, the 2008 ACS 1-year Summary File includes hundreds of comma-delimited text files that are best viewed in a spreadsheet or using statistical software.

2009 | **2008** | 2007 | 2006 | 2005

2005-2009 ACS 5-year Summary File

- Includes **first-ever block group data** from the ACS (only available on the Summary File).
- Includes all of the Detailed Tables published on the Census Bureau's American FactFinder.
- Includes an additional 295 Detailed Tables* not available on American FactFinder.

Get Summary File on FTP

2005-2009 ACS 5-Year Estimates

[2005-2009 ACS 5-Year Summary File](#)

[2005-2009 ACS 5-Year Tech Document \[PDF 2.2MB\]](#)

2007-2009 ACS 3-Year Estimates



ACS Limitations of Standard School District Data

1. Standard ACS estimates based on *total* population in district
2. Estimates may include children not applicable to school district
 - Ex. Enrolled 3 yr old in district with only KG (no PK)
 - Ex. Secondary students in Elementary school district
 - Not 'relevant' (functionally out of scope)
3. Estimates do not disaggregate important sub-types:
 - Age-appropriate (relevant)
 - Public school
 - Enrolled in school

Problem: How to get disaggregated data for relevant kids in districts?

American Community Survey
NCES School District Custom Tabulation
(ST030)

ACS School District Custom Tabulation: General Structure

1. Child - Person age 0-17, and 18-19 years not high school grad
2. Census tabulation based on residence – not school attendance
3. Tabulation includes full ACS table set (1000+ tables):
 - Same tables and structure as standard ACS product
 - Reproduces ACS four times – once for each child-specific iteration
4. Custom iterations specify enrollment status and school type
 - Children (Total)
 - Relevant Children (Enrolled and Not Enrolled)
 - Relevant Children – Enrolled in school
 - Relevant Children – Enrolled in public school

ACS School District Custom Tabulation: Multiple Universe Components

1. Geography (selection):
 - School District (Unified, Secondary, Elementary)
 - U.S., American Indian Area (AIA), State
2. Universe of standard ACS table (default):
 - Ex. Population under 18 years
 - Ex. Foreign born population
3. Child iteration (selection):
 - Total Children
 - Total Relevant Children:
 - Enrolled in school
 - Enrolled in public school

ACS School District Custom Tabulation: Universe Example: ACS Table B10001

Table: B10001
Title: Grandchildren under 18 years living with grandparent householder by age of grandchild
Universe: Grandchildren under 18 years living with grandparent householder
Total:
 Under 6 years
 6 to 11 years
 12 to 17 years

- Default universe: Grandchildren under 18 years living with a grandparent householder
- Select additional filter from custom tabulation: Enrolled – Public

Total, enrolled – public:

 Under 6 years, enrolled – public:

 6 to 11 years, enrolled – public:

 12 to 17 years, enrolled – public:

- Select from thousands of geographic areas: School districts, States, AIA, U.S.

ACS School District Custom Tabulation: Flexible Structure Extends Analysis

1. Provides demographic data to inform district policy and strategy:
 - How many households in my district have school-age children?
 - What is the average income for households with children enrolled in school?
2. Provides comparative data between districts:
 - Which districts have the highest percentage of enrolled students who speak a language other than English at home?
 - Which districts have the highest percentage of foreign born children?
3. Provides comparative data between districts and other geographies:
 - Is the percentage of Hispanic children in my district higher than the state percentage?
 - How do housing prices in my district compare to the whole state?
4. Provides data for other types of geographic areas:
 - How many languages are represented by children in my state?
 - How many enrolled children in my state live in rental housing?

ACS School District Custom Tabulation: Benefits

1. Unique data for children not available in standard ACS
2. Data disaggregated for policy-relevant sub-groups
3. Demographic and economic data updated annually
4. Data measured consistently across all school districts in U.S.
5. NCES ID offers link between census, NCES, and state data
6. Most current and comprehensive data source available:
 - For school districts
 - For school-age children
7. Data provided for different types of geographic areas:
 - School district: Unified, Secondary, Elementary
 - Other: U.S., American Indian Areas, State

ACS School District Custom Tabulation: Cautions and Considerations

1. Sample data are *estimates* with standard errors— not counts
2. 5-year estimates only
3. Census Bureau requires *rounding* to avoid disclosure
4. School district *boundaries* updated every two years.
5. Data do not specify *home school* or *charter school* attendance
6. Poverty data different from official *Title I* estimates program (SAIPE)

ACS School District Custom Tabulation: Data Access – School District Data System

1. Data created by Census Bureau for NCES
2. NCES is primary provider of custom tabulation
3. SDDS - <http://nces.ed.gov/surveys/sdds/>
4. Content includes:
 - Decennial census tabulations: 1990, 2000 SF1, 2000 custom tab, (2010)
 - ACS: 2005, 2006, 2005-2007, 2006-2008 (2005-2009)
 - School district boundaries: 2005-2006, 2007-2008
 - Common Core of Data (limited items)
5. Functions include:
 - Drill-down
 - Profiles and snapshot reports
 - Comparison
 - Mapping (spatial analysis)

What is SDDS?

The School District Demographics System provides access to school district demographic and related geographic data. The site's purpose is:

- 1 To provide access to information about demographics, social characteristics, and economics of children and school districts from the National Center for Education Statistics (NCES) of the U.S. Department of Education.
- 2 To enable users to directly access school district geographic and demographic data.
- 3 To provide information about school district demographic concepts, uses, and applications to facilitate effective use of these information resources.

Map Viewer



Map Viewer allows users to view maps of states, school districts and school points, while overlaying U.S. Census Bureau and Education data.

Select

Snapshot Reports



Snapshot Reports provide a quick overview of the demographics, economics, financials, occupation and employment American Community Survey (ACS) and Common Core of Data (CCD) at the school district level.

Select Select Year

Profiles & Comparisons



Profiles provides a statistical comparison of a single school district over multiple years, or two districts compared for the same year using U.S. Census Bureau demographic data.

Select Year

American Community Survey 2006-2008

This application allows users to view the American Community Survey data based on State, County and School Districts.

Geography Type 

School Districts 

State

Texas 

School District

AUSTIN INDEPENDENT SCHOOL DISTRICT, Texas 

Enrollment Type 

ACS 2006-2008 Data - With No Enrollment Selected 

ACS 2006-2008 Data - With No Enrollment Selected

Total Children

Total Relevant Children - Enrolled and Not Enrolled

Total Relevant Children - Enrolled (Public and Private)

Total Relevant Children - Enrolled Public

Secondary Table Category 

--Please Select a Table Category-- 

THERE ARE NO TABLES THAT MATCH THE CRITERIA

American Community Survey 2006-2008

[Export to Excel File](#) | [Format for Printing](#)

Geography: AUSTIN INDEPENDENT SCHOOL DISTRICT, Texas

Enrollment Type: Total Relevant Children – Enrolled (Public and Private)

Primary Table Category: Social Characteristics

Secondary Table Category : Language (Spoken at Home and Ability to Speak English)

C16008-CITIZENSHIP STATUS BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 5 YEARS AND OVER	
Universe: Population 5 years and over	
Total:	90,580
Native population:	79,350
Speak only English	54,885
Speak Spanish	22,175
Speak other Indo-European languages	850
Speak Asian and Pacific Island languages	960
Speak other languages	475
Foreign-born population:	11,235
Naturalized citizen:	895
Speak only English	420
Speak Spanish	250
Speak other Indo-European languages	45
Speak Asian and Pacific Island languages	70
Speak other languages	105
Not a citizen:	10,340

SDDS | SCHOOL DISTRICT DEMOGRAPHICS SYSTEM

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Snapshot Reports



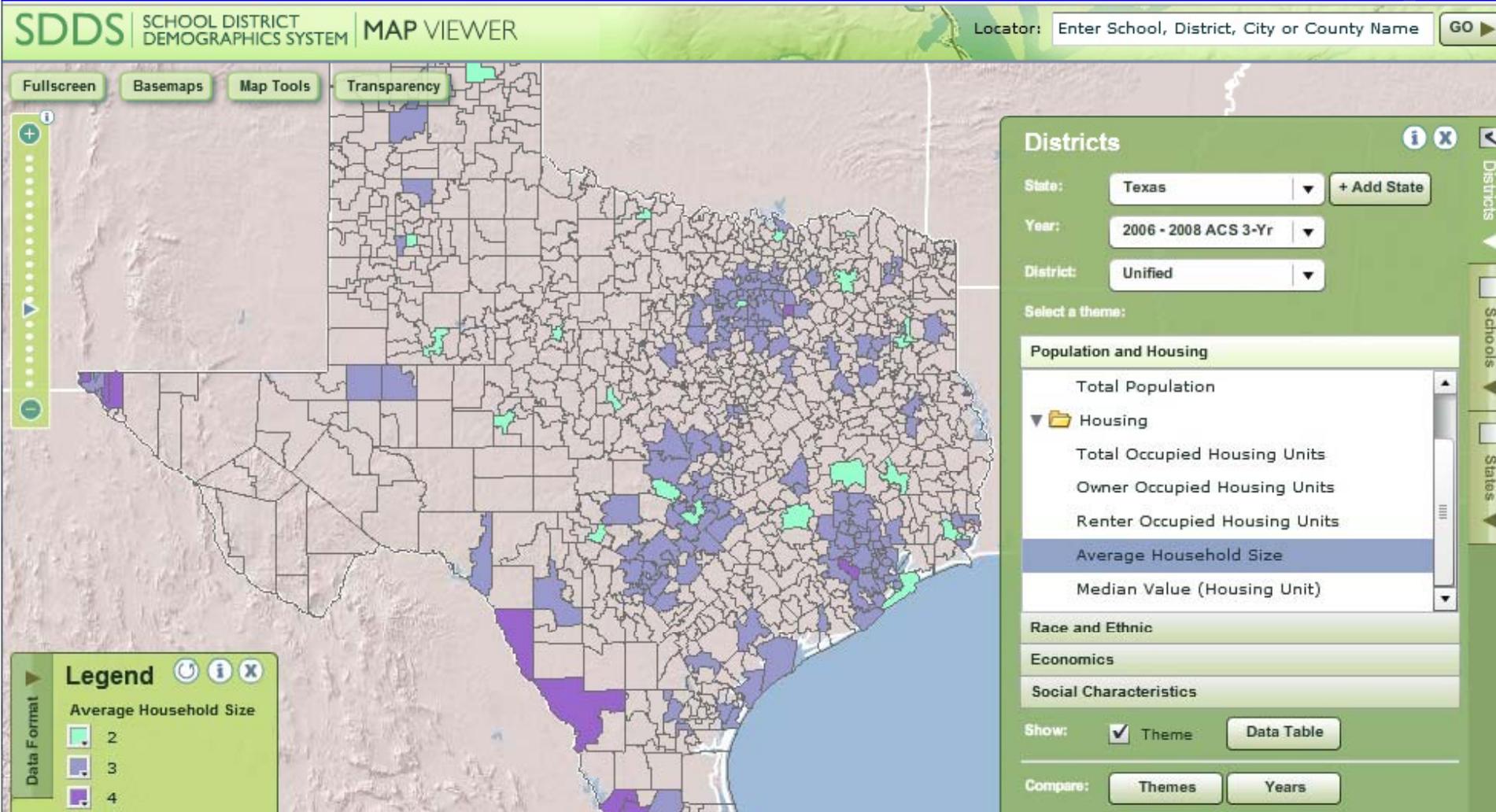
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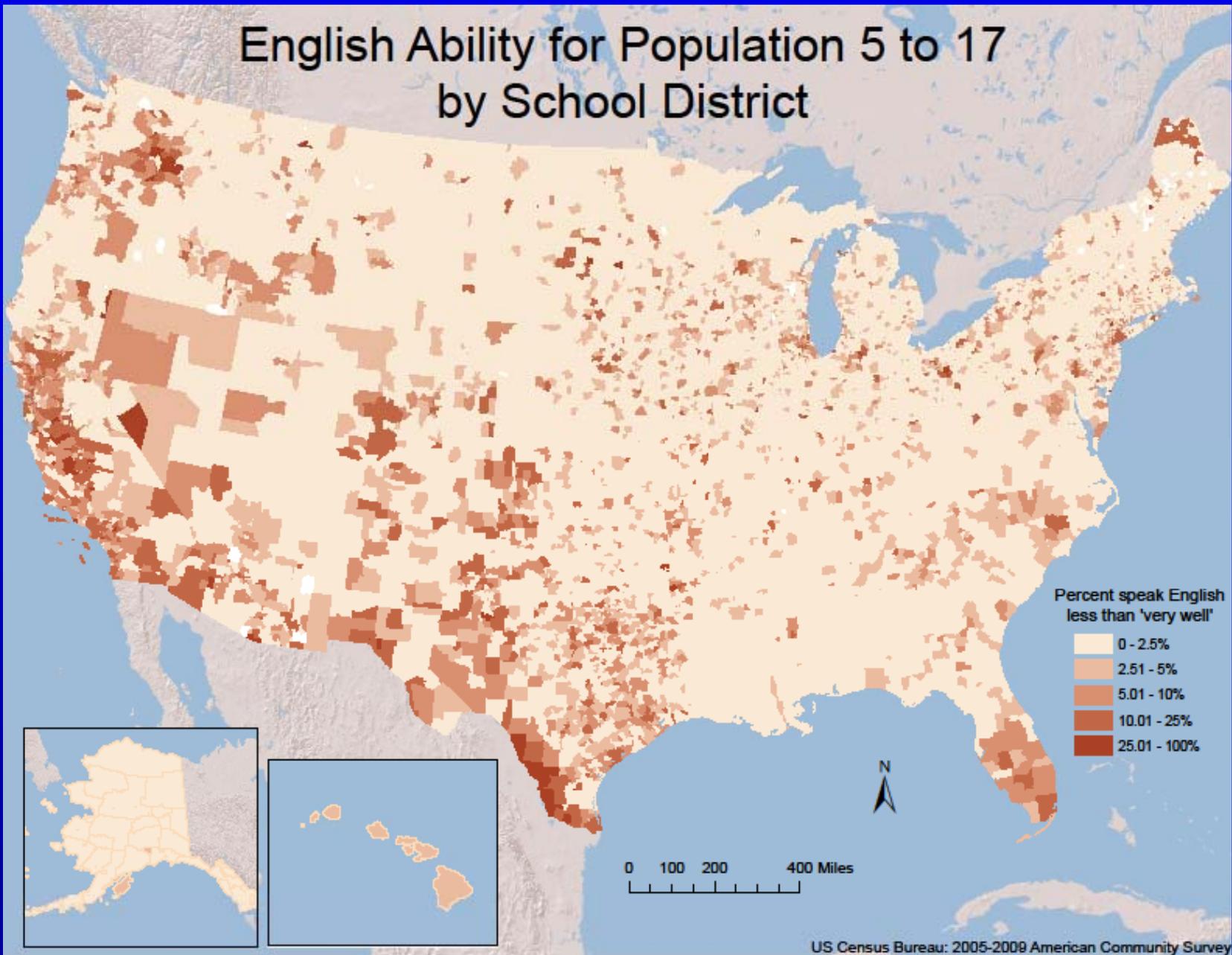


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SDDS Map Example (2006-2008 ACS)



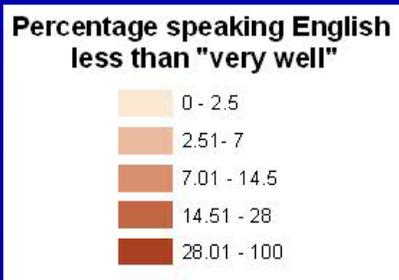
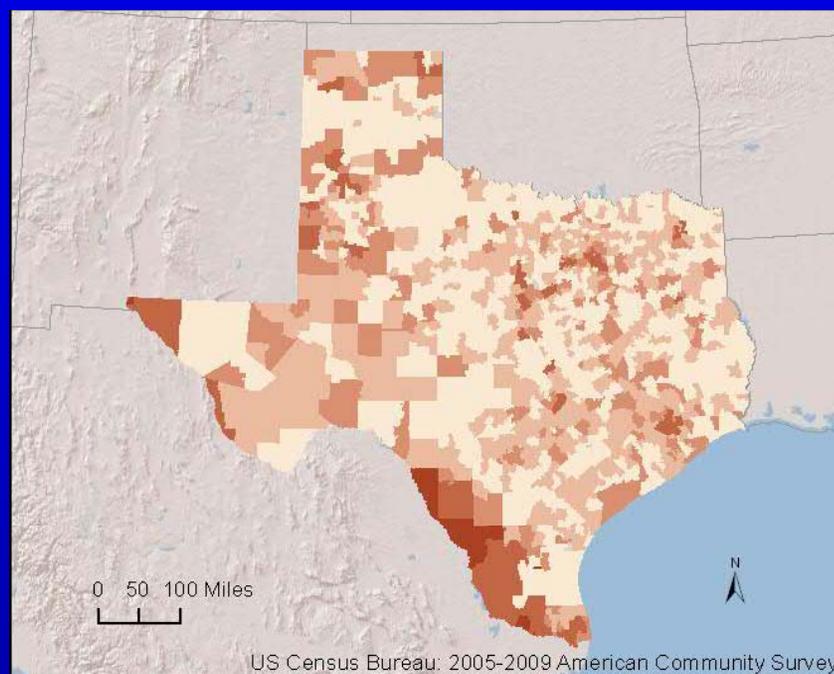
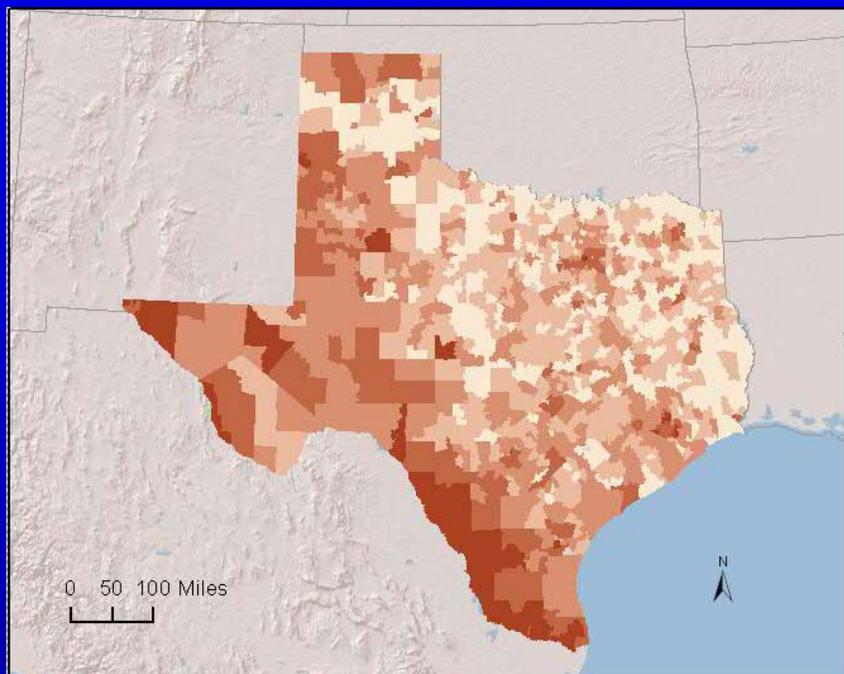
English Ability for Population 5 to 17 by School District



USCENSUSBUREAU

Percent total population who speak English less than “very well”

Percent population ages 5 to 17 who speak English less than “very well”



Contact Information

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Additional ACS Information

<http://www.census.gov/acs/www/>

NCES ACS Custom Tab Data

<http://nces.ed.gov/surveys/sdds/>