Alternative Data Sets for Redistricting

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Late Census Data Complicates Iowa Census delay leaves Oregon's redistricting process in a lurch Redist-icting NEWS 16 states back Alabama's challenge to Census privacy tool By MIKE SCHNEIDER 41 minutes agoy on return for Iowa Supre Redistricting must occur every ten years. 2021 is one of those years. The lowa constitution dives the nrimany reenoneihility for reannertinement of legislative Redistricting must occur every ten years. 2021 is one of those years. The lowa Constitution gives the primary responsibility for reapportionment of legislative districts to the general accombly. The general accombly has adopted a .02 Consulution gives the primary responsibility for reapportionment or leg districts to the general assembly. The general assembly has adopted popparties redistricting law to porter this tool. Contains contains Home , Newsroom usince to the general assembly. The general assembly has adopted a code ch. 42. Nonpartisan redistricting law to perform this task. See lowa Code ch. 42. April 8, 2021 Under the Iowa Constitution, the supreme court has responsibility for fails to enact a reapportionment of legislative districts only if the general assembly fails to enact a Under the Iowa Constitution, the supreme court has responsibility for Lawmakers given more time to redraw Oregon political lines By SARA CLINE April 9, 2021

What's a State To Do?

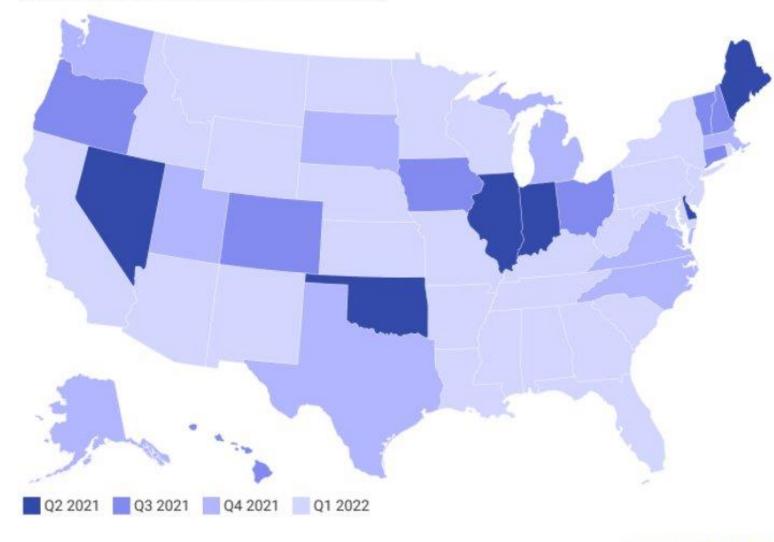
Take that one last vacation before the data arrives in September?



Calendar can be your ally or your enemy

State legislative redistricting deadlines, 2021-2023

The map below groups states by the quarter in which their redistricting deadlines fall. The legend below the map explains which colors correspond with which quarters.



BALLOTPEDIA

So Make Use of Your Calendar

Investigate Alternative Datasets

Not a permanent solution

Only temporary until PL files are released

Some States are seeking different data to actually draw their final plans



NOT In Today's Discussion



Alternative Data Sets for temporary line drawing

"ACS" American Community Survey Commercially Available Databases

Pluses And Minuses

"ACS" American Community Survey <u>History</u>

- Designed in 1990s by Census Bureau to replace high cost of long-form questionnaire (continuous measurement)
- Instead of being created once a decade, could come out between decades
- Tests done 2002-2005, sample sites
- First appeared 2006 Yearly estimates (large areas)
- 3 year estimates 2008 (2005-2007)
- 5 year estimates 2010 (2005-2009) (block groups)



Pluses

- Created by Census Bureau
- Use recognized by the courts



Minuses

 Covers long period of time to get small geographic estimates

Current Release

2019 – Covers 2015-2019 to get block group level data

Midpoint

2015 2016

2017 2018

2019

Really 3 years away from 2020



<u>Minuses</u>

- It's a survey <u>VS</u> Census count of everyone
- Small Sample size survey
- Like survey's, there are deviations +/-
- 2009 ACS varied from +14% to -11% from 2010 decennial
- Designed to provide <u>demographic</u> information, not really <u>total</u> population estimates
- At most at <u>block group</u> level, not block



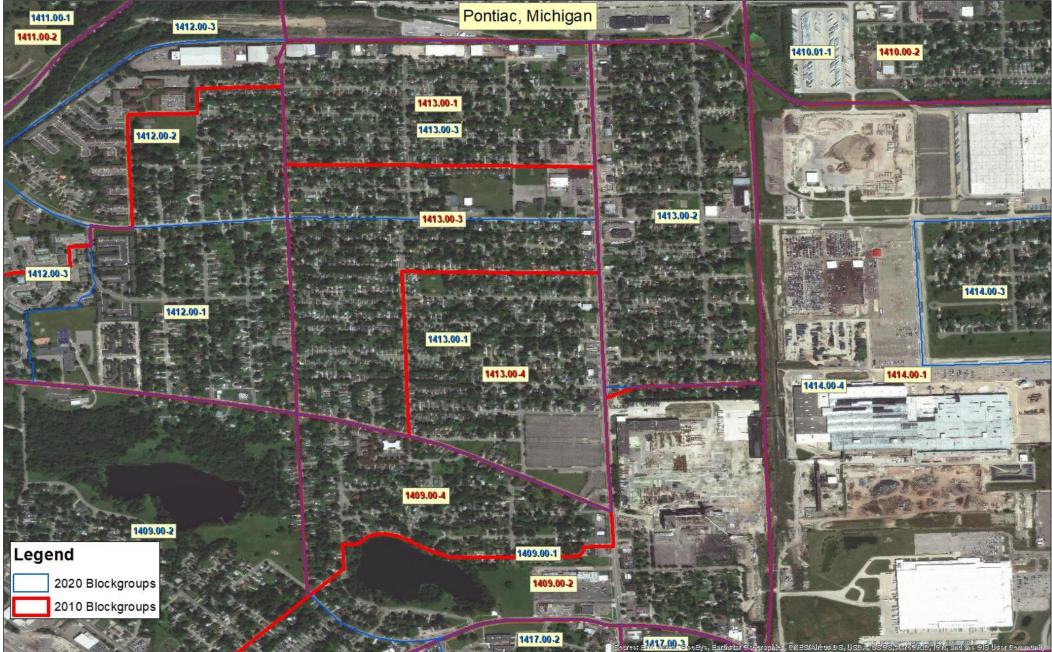
<u>Minuses</u>

Currently built off 2010 block groups

2010 Blockgroups



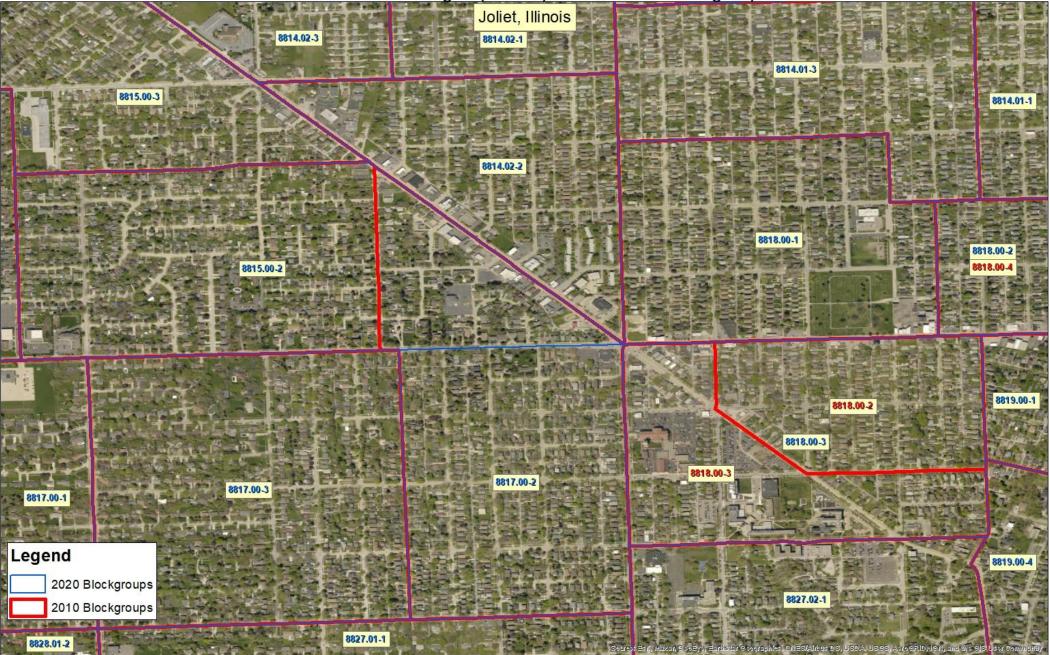
2020 Census Blockgroups compared to 2010 Blockgroups



2010 Blockgroups



2020 Census Blockgroups compared to 2010 Blockgroups



Don't be mistaken by

Block Group 3 data for 2010

NOT Equals

Block Group 3 geography for 2020

Don't go backwards in time Only move forward

Don't attempt to squeeze 2020 data onto your 2010 geography from your old system

Use your time now to migrate forward. 2020 Geography files released in February. Start studying them now

Subtle changes in 2010 to 2020 geography

Bringing a shape file of your districts from your 2010 system will need to be cleaned up to match the 2020 geographic blocks

> Bureau has some tools to help, but true "n to n" circumstance

- Single 2010 block = single 2020 block
- Single 2010 block = multiple 2020 blocks
- Multiple 2010 blocks = single 2020 block
- Multiple 2010 blocks = multiple 2020 blocks

Adding 2010 population data to 2020 geography not always easy

Commercially Available Databases

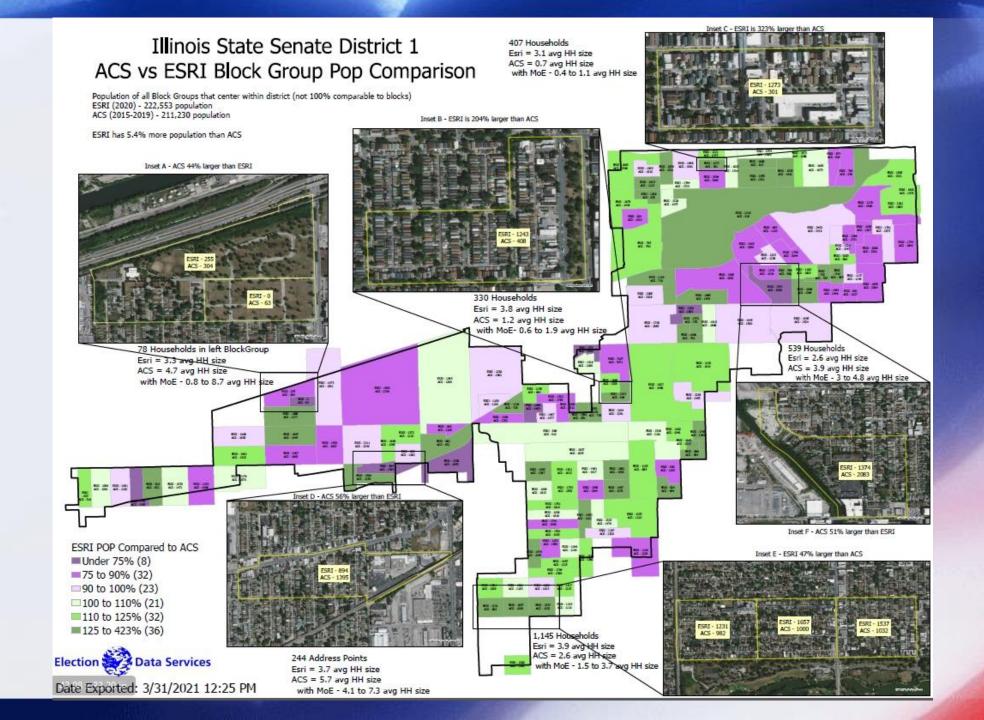
Pluses

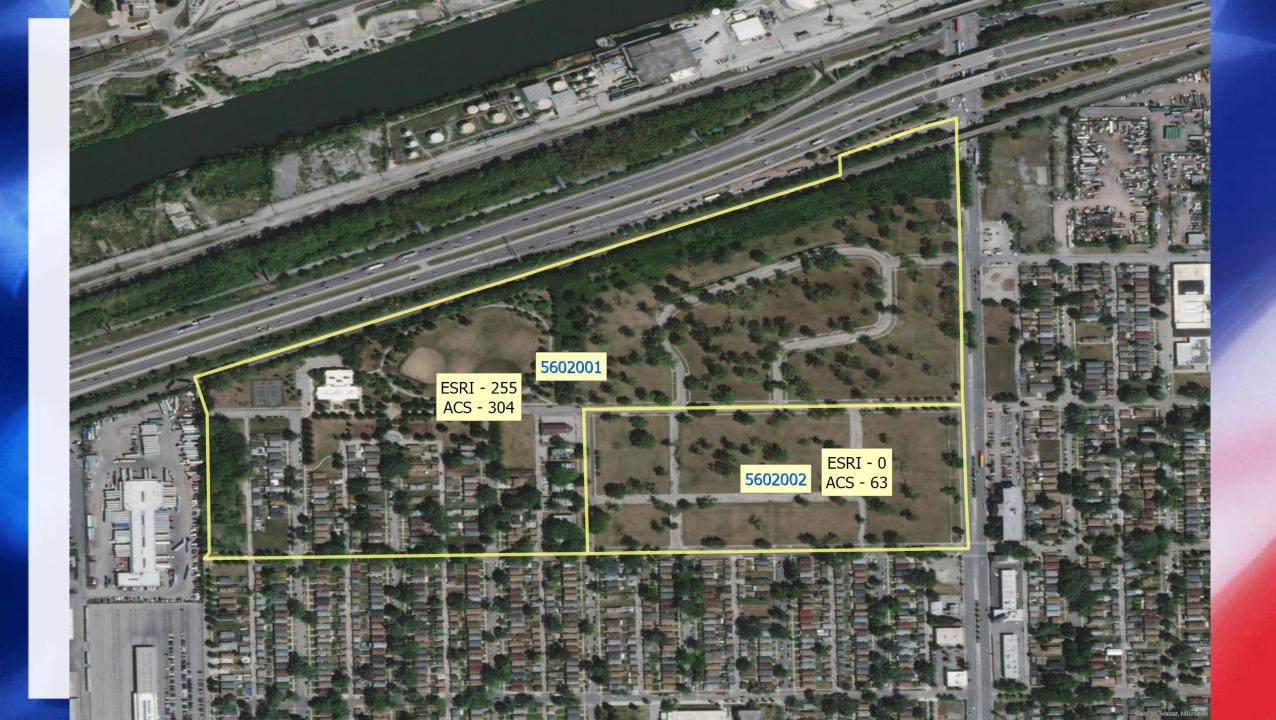
- Current data available for 2020
- Has total population estimates, plus racial demographic information

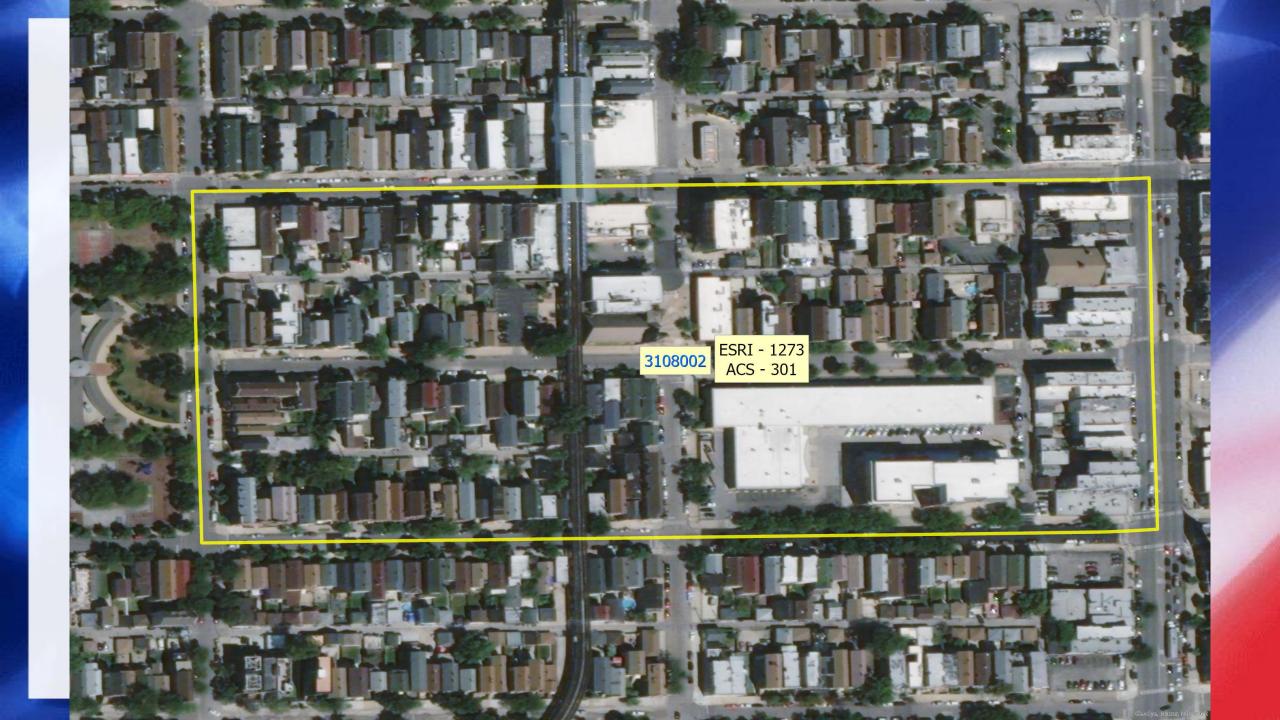
Commercially Available Databases

<u>Minuses</u>

- Available at Block Group level
 - Have to disaggregate like precinct data
- Dealing with 2010 Block Groups
- Expense item in budget
 - State estimates: \$5K-\$8K

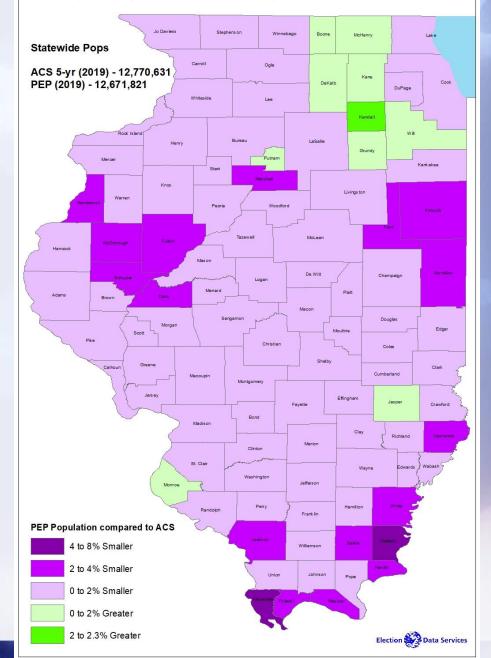






Illinois Counties

District Population comparison between 2019 Census Pop Estimates and 2019 5-year ACS Estimates



N Y 🖬 🖯

State Population Estimates and Census 2010 Counts: Did They Match?

Digging into the estimates data, Pew Research Center demographer Jeffrey Passel has analyzed how the bureau's population estimates for states compare with the official 2010 Census counts for states. He began with state estimates for July 1, 2009 (the latest available), and projected them forward to Census Day based on average growth rates for each state for 2007-2008 and 2008-2009. (This method produces a slightly different total for the nation than the Census Bureau computed, 309,081,328.)

According to his analysis, for most states, the census count and projected population estimates are quite close, showing a difference of less than 1%. In only six states—Arizona, Georgia, Hawaii, North Dakota, Utah and Wyoming—did the count and estimates differ by 2% or more. Arizona had the largest numerical and percentage difference. The population estimates had about 294,000 more people living in the state on Census Day than the 2010 Census counted, a difference of 4.6% from the census count.

Getting Data Now

- Begin Analyzing population
 - By your jurisdictions
 - Change since 2010
 - Various minority group concentrations
 - District populations & deviations
 - Where are shifts in districts needed

Remind Members:

Even if their district is setting at the ideal population, unless they are in the corner of the state, some portion of their <u>district will change</u>

No one is exempt



"Time is more important the later it is in the project"

John Morgan

Thank you

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Questions?

