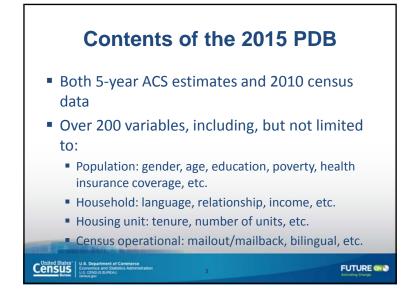
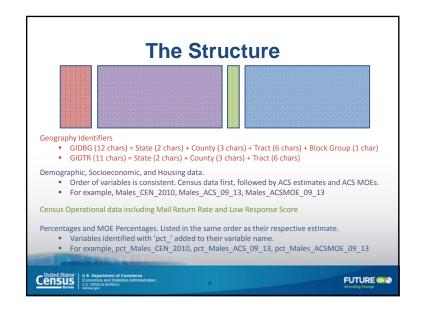


Overview A "greatest hits" of ACS 5 year estimates and 2010 Census variables Pulls together publicly available estimates in one convenient file Available at two levels of geography: Tract and Block Group

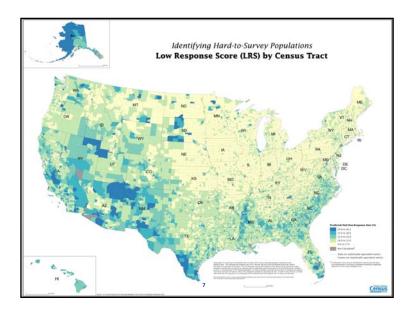




Potential Uses for the PDB in the Survey Process

- Identify areas with a predicted high mail nonresponse
- Stratify a sample on key variables
- Identify areas that require Non-English materials
- Identify potential non-response bias





The Low Response Score (Erdman and Bates, 2014)

- Similar to the 2000 Census Hard-to-Count Score
- A model based predicted mail response score
- Uses key predictors of mail non-response including
 - Household composition (Female householders, etc)
 - Tenure (percent of Renters)
 - Other key predictors and more information can be found in (Erdman and Bates, Forthcoming 2016)
- Can be used to target areas with potential high nonresponse



2016 Census Test Harris County Texas Demographics

 484,358 people live in 292 block groups in the test site

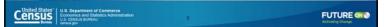
14.8%	4.6%
9.4%	10.0%
60.9%	35.1%
19.1%	13.9%
	9.4%

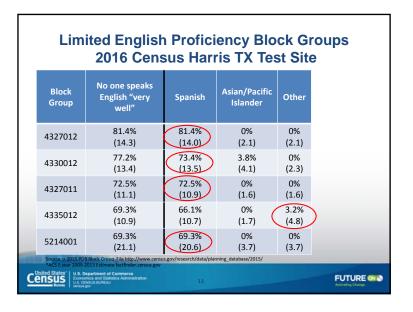
Source :+ 2015 PDB Block Group File http://www.census.gov/research/data/planning_database/2015/ *ACS 5 year 2009-2013 Estimate factfinder.census.gov

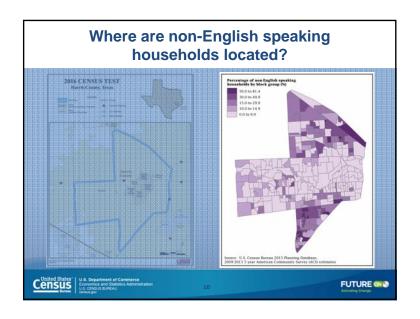


Limited English Proficiency

- Identify areas that need additional language materials
- Flag block groups or tracts that have a high percentage of housing units where no one over the age of 14 speaks English "very well"
- Identify what language is spoken in these block groups or tracts







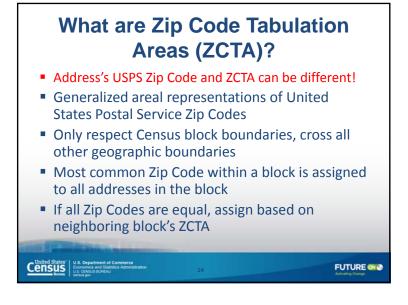


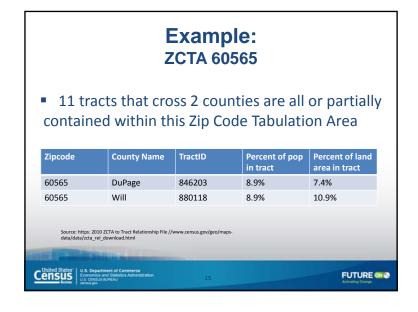
 If you know what tracts or block groups have high non-response in your survey you can estimate how non-respondents may differ on key demographics from respondents

	Respondent Characteristics	Sample Tract with high Non-response ⁺
Percent living in poverty	5.3% (1.2)	59.6% (9.3)
Population 25 and over, with less than a HS diploma	19.1% (2.3)	28.5% (10.6)
Renter Occupied Units	35.1% (3.2)	86.4% (5.9)
Source :+ 2015 PDB Tract File http://www.census ACS 5 year 2009-2013	.gov/research/data/planning_database/2015/	
nited States* U.S. Department of Commerce Economics and Statistics Administration List Conditio Building	12	FUTURE ON A

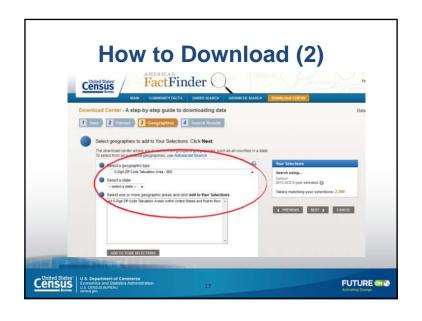
Downloading Data to Build a Custom PDB - ACS 5 year Estimates and 2010 Census Data are available at other geographies including - Zip Code Tabulation Areas - Congressional Districts - Counties - Other geographies as well

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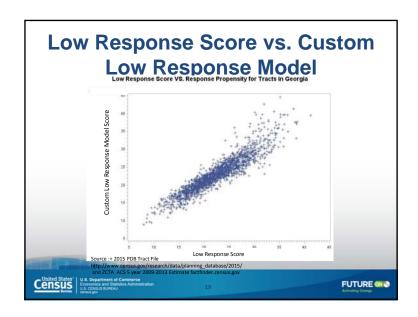


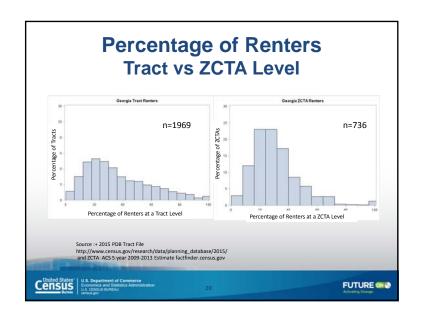


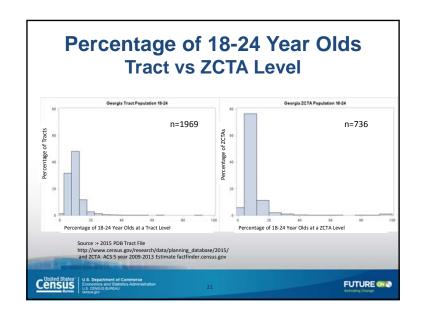


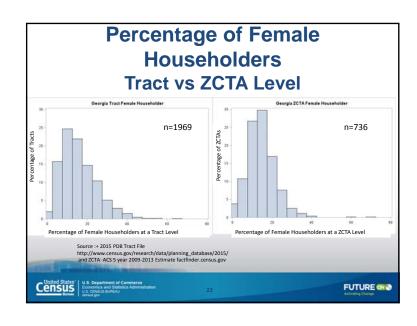


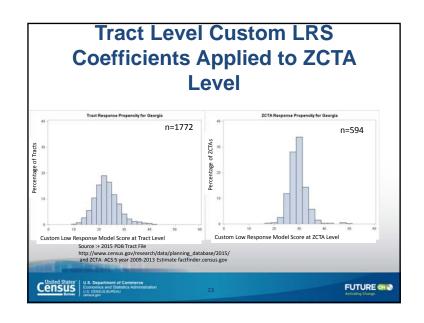
LRS Vs. Custom Low Response Model Created an OLS model similar to Low Response Score on Georgia tract level PDB, used ACS 2009-2013 Estimates as Predictors Not the same as official Low Response Score Uses just recent ACS estimates











Limitations ■ 2010 Census Operational Data (including 2010 Mail Return Rate) is only available at tract and block group level ■ Our Custom Low Response model is an approximation of Low Response Score ■ Uses only recent ACS estimates at a tract level to build coefficients ■ Does not perform well when scored on ZCTA level ■ Predicts only mail response, not other modes

Acknowledgements

- Thank you to Travis Pape and Julia Coombs for creating the code to generate the PDB
- Luke Larsen and Alina Kline for their work on the upcoming 2016 PDB
- Nancy Bates and Barb O'hare for their time and effort to bring the PDB back
- Suzanne McArdle for her work on PDB data visualizations



How to Access the PDB and Contact Info

- Available on the Census Bureau's Research @ Census page
- Link to the PDB CSV format: http://www.census.gov/research/data/planning database/
- API format: <u>www.census.gov/developers</u>

Questions?

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