American Community Survey
Administrative Records Research

Association of Public Data Users
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Objective of Administrative Records Research

- Identify administrative records and third party data sources to replace questionnaire content
- Pursue access to new sources
- Evaluate coverage rates and agreement
Initial Research

- **Housing**
  - Phone service, Year built, Part of condominium, Tenure, Property value, Real estate taxes, Have mortgage/ mortgage amount, Second mortgage/HELOC and payment
  - Number of rooms and bedrooms, facilities, fuel type, acreage

- **Income**

- Sale of agricultural products
- Residence one-year ago
Data Sources

- Third party data for phone service and housing questions
- Internal Revenue Service (IRS) Form 1040, 1099, and W-2 for income question
- IRS for residence one-year ago question
Year Built

About when was this building first built?

☐ 2000 or later – Specify year

☐ 1990 to 1999
☐ 1980 to 1989
☐ 1970 to 1979
☐ 1960 to 1969
☐ 1950 to 1959
☐ 1940 to 1949
☐ 1939 or earlier
Presence of Year Built in Corelogic for 2012 ACS MAFIDs

Coverage Rate = \( \frac{\text{Number of 2012 ACS MAFIDs matched to at least one 2009 Corelogic record}}{\text{Number of 2012 ACS MAFIDs in the state}} \)
Presence of Phone

Does this house, apartment, or mobile home have –

- a. hot and cold running water?  
- b. a flush toilet?  
- c. a bathtub or shower?  
- d. a sink with a faucet?  
- e. a stove or range?  
- f. a refrigerator?  
- g. telephone service from which you can both make and receive calls? Include cell phones.

Yes | No
---|---
| |
Presence of Phone Number(s) in Contact Frame for 2012 ACS MAFIDs

Coverage Rate = (Number of 2012 ACS MAFIDs matched to at least one Contact Frame record) / (Number of 2012 ACS MAFIDs in the county)
Presence of Income Return in IRS for 2011 ACS PIKs

<table>
<thead>
<tr>
<th>Match Rate of 1099 Forms for TY2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) 2011 ACS w/ PIK and 1099</td>
</tr>
<tr>
<td>Age</td>
</tr>
<tr>
<td>&lt;18</td>
</tr>
<tr>
<td>18-64</td>
</tr>
<tr>
<td>65+</td>
</tr>
<tr>
<td>Urban</td>
</tr>
<tr>
<td>0.73</td>
</tr>
<tr>
<td>Rural</td>
</tr>
<tr>
<td>0.75</td>
</tr>
<tr>
<td>Northeast</td>
</tr>
<tr>
<td>0.76</td>
</tr>
<tr>
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<tr>
<td>0.76</td>
</tr>
<tr>
<td>South</td>
</tr>
<tr>
<td>0.72</td>
</tr>
<tr>
<td>West</td>
</tr>
<tr>
<td>0.71</td>
</tr>
</tbody>
</table>

Coverage Rate = (Number of 2011 ACS PIKs matched to at least one TY2010 IRS Information Return) / (Number of 2011 ACS PIKs)
Source: 2011 ACS and TY2010 IRS Information Returns
Agreement of 2011 ACS Wages and IRS W-2, Ages 15+

Percent of 2011 ACS PIKs with positive ACS wages that have one or more TY2010 IRS W-2 forms (YY) or zero ACS wages and the absence of a W-2 form (NN) for ages 15+

United States Census Bureau
Residence One Year Ago

15 a. Did this person live in this house or apartment 1 year ago?
- Person is under 1 year old → SKIP to question 16
- Yes, this house → SKIP to question 16
- No, outside the United States and Puerto Rico - Print name of foreign country, or U.S. Virgin Islands, Guam, etc., below; then SKIP to question 16

b. Where did this person live 1 year ago?
Address (Number and street name)
Name of city, town, or post office
Name of U.S. county or municipio in Puerto Rico
Name of U.S. state or Puerto Rico ZIP Code
Residence One Year Ago, ACS 2012 and IRS TY2010

ACS 2012 Movers, 000s
- Movers with same county: 679k
- Movers in TY2010 tax data: 218k
- PIKed reference person movers: 108k
- PIKed movers: 148k
- Movers: 679k

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
Planned Research

- Pursue regulations change to obtain 1099 income amounts
- Evaluate mortgage presence and amount using third party data
- Evaluate facilities using Multiple Listing Service and Zillow data
- Prepare edits and imputed values from administrative records rather than respondent provided data
- Evaluate distributions and constructed measures such as poverty rates
Questions?

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