Exploring the Use of External Data in the American Community Survey: Opportunities and Challenges

Amy O'Hara and Deborah Stempowski
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Overview

- Objective
- Findings
- Challenges
- Next Steps

Agility in Action -- Key Action Areas

- Using administrative records
- Reducing follow-up contact attempts
- Testing messaging in mail materials
- Modifying survey questions
- Asking less frequently or of fewer respondents
- Communicating with respondents
- Promoting awareness of data uses
- Engaging subject-matter experts
- Advocating for respondents
- Leveraging a communications strategy

http://www.census.gov/programssurveys/acs/operations-and-administration/2015-16survey-enhancements.html

Agility in Action: A Snapshot of Enhancements to the American Community Survey





Findings

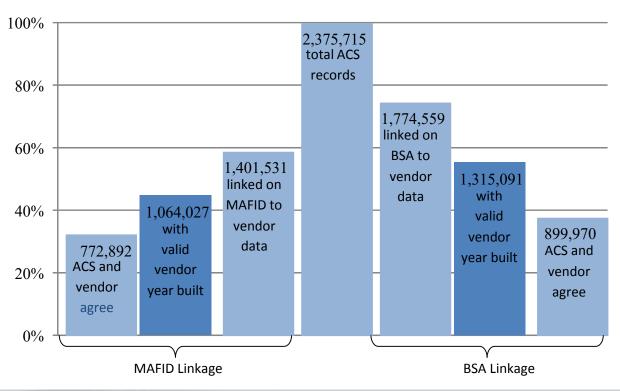
- Year Built
- Phone Service
- Condominium
- Income
- Residence One Year Ago

Year Built

E	Abo	out 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

Year Built: MAF ID and BSA Data Linkages

Unedited 2012 ACS records able to link to vendor data, link to vendor year built, and link to same year built category



Source: Unedited 2012 ACS and 2006-2010 vendor data

Phone Service

home have -	Yes	No
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?		25 (
√f, a refrigerator?		
g. telephone service from which you can both make and receive calls? <i>Include cell phones</i> .		

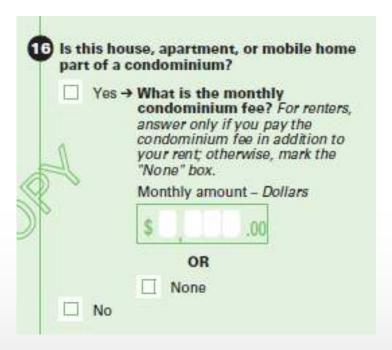
Phone Service

Unedited ACS phone service responses (2012) by 2015 CF (shaded cells indicate agreement between data sources)

		Administrati	ve Records Contac	t Frame
		Phone Service	No phone service	Total
	Phone service	1,877,788	202,915	2,080,703
ACS espon se	No phone service	44,813	11,077	55,890
Re .	Total	1,922,601	213,992	2,136,593

Source: 2012 edited unswapped American Community Survey with unedited phone service responses data and 2015 Contact Frame

Condominium



Condominium

Source	National Coverage	Unit Level Data Available	Condo Fee Data Available
Veterans Administration/Federal			
Housing Authority Loan Guarantee	No	No	No
Programs			
Fannie Mae/Freddie Mac Loan	No	No	No
Guarantee Programs	NO	NO	NO
National Flood Insurance Plan	No	No	No
Internal Revenue Service	No	No	No
State Databases	Partial	No	No
CoreLogic	No	No	No
CondoSafe (product of CoreLogic)	Partial	Yes	Yes
Real Estate Websites (e.g., Zillow, Redfin)	Partial	Yes	Partial

come	No TOTAL AMOUNT for past e. Supplemental Security Income (\$58).
	□ No TOTAL AMOUNT for post
Mark (X) the "Yes" box for each type of income the period received, and give your bist estimate of the INDTEL AMOUNT during the PAST 12 MONTHS. (NOTE: The "part 12" minister" is the period from today's date one year ago up through loday.) Mark (X) the "No" box to show types of income NOT received. If not income was a loss, must the "Loss" box to the right of the dailar amount. For income nearly purson or if that and possible, right of the dailar amount for only one planon and mark the "No" box for the other purson. 2. Wages, salary, contributions, boouses, or eight from all jobs. Report a mount be fine deductions for take to body, dues, or other fame. 1. Seef-employment books, dues, or other fame. 1. Yes +	Any public assistance or welfare payments from the same or local welfare office. Yes +

d. Social Security or Ratingad Resimments.

Income

- Among ACS persons age 15 and older, 94% have sufficient identifying information to allow linkage to administrative records.
- 88% of linkable persons age 18 to 64 have at least one of the eight common types of IRS information returns that are currently available to the Census Bureau.
- Of those 65 or older, 98% have an information return.

Income - Wages

- Linkable ACS persons age 15 and over had wage reporting (zero or positive) that agreed with IRS W-2s (absent or present) in 87% of cases.
- In this group, only 6% had reported wages in the ACS but did not have any W-2.
 - This type of "false positive" discrepancy may be due to income type confusion, matching error, or the misalignment of reference period or scope.
 - Wages were present only on the W-2 for another 6% of this universe, revealing underreporting or reference period misalignment.

Income - Pensions

- 87% of linkable ACS persons age 15 and over had ACS-reported retirement, survivor, and disability pension (RSDP) receipt that agreed with the absence or presence of an IRS 1099-R record.
- RSDP income was present only in ACS for 2% of this universe, but was present only on the 1099-R for 12%, possibly reflecting underreporting.

Residence One Year Ago

	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
	No, different house in the United States or Puerto Rico
h 100	ore did this person live 1 year and?
	ere did this person live 1 year ago? dress (Number and street name)
Ac	
Na Na	dress (Number and street name)

Residence One Year Ago

- 94% of ACS 2012 persons are validated for linkage
- 71% ACS reference persons matched a TY2011 1040
- 51% of the matched ACS-1040 records were at the same MAFID
- 90% of IRS 1040s match MAF
- 679k movers in 2012 ACS, look for match in TY2010
- Focus on reference persons (218k) and primary filers
- 68% match to a TY2010 return (148k)
- 50% are in same county (108k)

Challenges

- Data availability
- Concept and timing alignment
- Resources

Next Steps

- Subject matter teams extend and refine findings to date
- New analyses on acreage, real estate taxes, tenure, number of rooms and bedrooms, selfemployment earnings, mortgage, sale of agricultural products, facilities, fuel type, property value, social security benefits, and Supplemental Security Income