

Statistics of Income IRS Migration Data

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Kevin Pierce

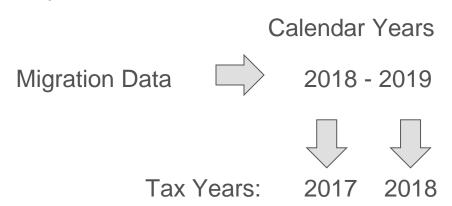
- Background on IRS Migration Data
- Data Anomalies
- Comparison between IRS Migration Data and Census Bureau's Population Estimates
 Program
- Future Plans
- Demonstration

Outline

Background: What are the Migration Data?

Migration data show the movement of individuals, via the address listed on Form 1040, over a two-year period

As an example...



The data are available at the State or county level:

- Number of inflows residents moving in
- Number of outflows residents moving out

Background: What are the Migration Data?

State level

County level

(1) State-to-State Inflow

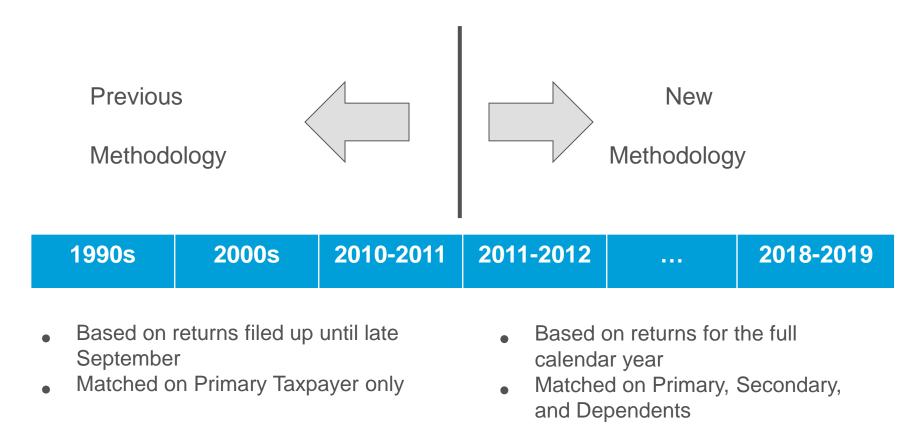
(1) County-to-County Inflow

(2) State-to-State Outflow

(2) County-to-County Outflow

Origin from Alabama (State		Des	stination into	Number of returns	Number of exemptions	Adjusted gross income (AGI)
Code)	State Code	State	State Name	(1)	(2)	(3)
01	96	AL	AL Total Migration US and Foreign	51,971	107,304	2,109,108
01	97	AL	AL Total Migration US	50,940	105,006	2,059,642
01	98	AL	AL Total Migration Foreign	1,031	2,298	49,465
01	01	AL	AL Non-migrants	1,584,665	3,603,439	87,222,478

Background: History of the Migration Data



What didn't change?

Maintained consistency between final tables, layout, codes, and disclosure

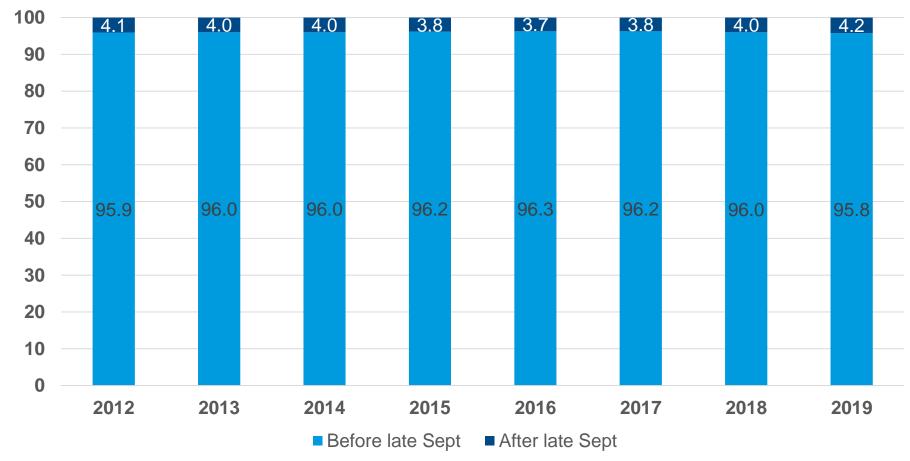
Why change the methodology?

- Greater flexibility
- Increased population
- Inclusion of higher income tax filers

Including Tax Returns after late September, Increases Population Size by 4%

Percent of total





Tax Returns after late September account for 4% of Returns, but over 10% of Total Income

Percent of total





Tax Returns after late September have Higher Average AGI

Dollars



Enhanced Merging Increases Population by 5%

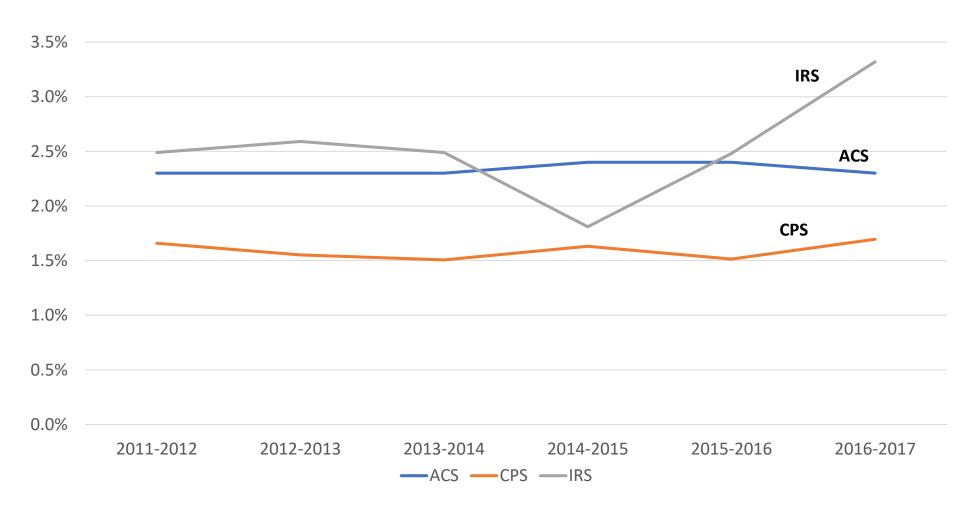
Filing position	2011- 2012	2013- 2014	2014- 2015	2016- 2017	2017- 2018	2018- 2019
Primary-Primary	94.60	94.73	94.89	94.48	94.75	94.96
Primary-Secondary	0.84	0.85	1.08	1.07	1.04	1.02
Secondary- Primary/Secondary	1.67	1.60	1.83	1.73	1.69	1.66
Dependent- Primary/Secondary	2.88	2.82	2.20	2.72	2.52	2.36

Data Anomalies

- ACS, CPS, IRS Comparison
- Updated Methodology vs Previous Methodology

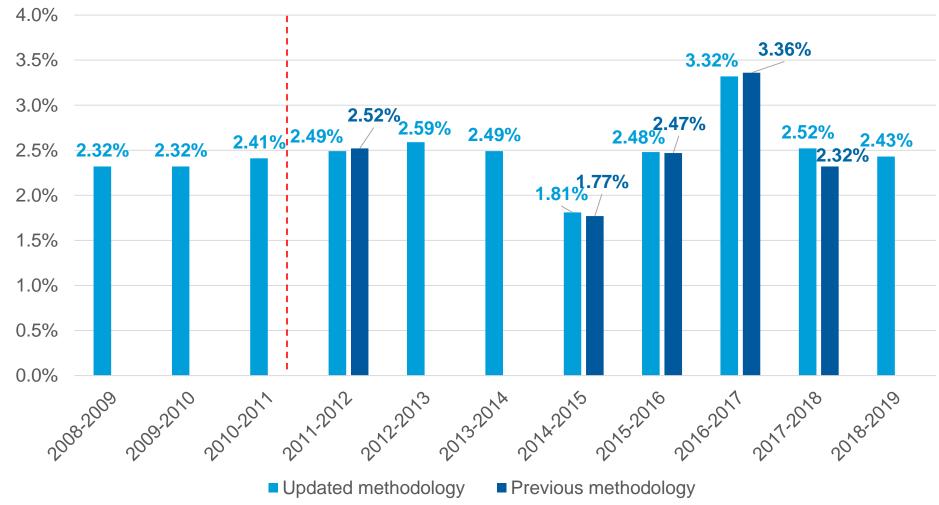
Percent of Interstate Movers: ACS, CPS, IRS

Percent of movers



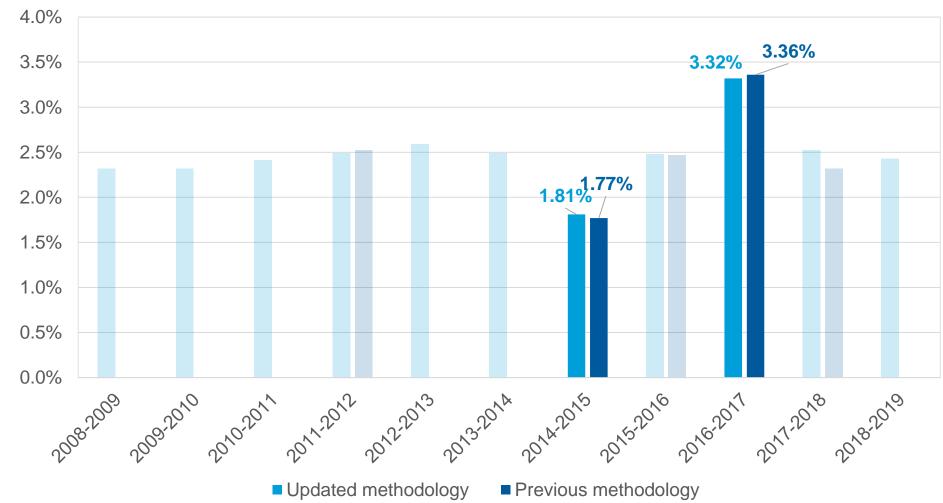
Percent of Movers: Updated Methodology vs Previous Methodology, 2008-2019





Percent of Movers, Updated Methodology vs Previous Methodology, 2008-2019

Percent of movers



IRS Migration and Census PEP

IRS Migration and Census PEP Comparisons

	IRS Migration Data	Census PEP Migration Estimates
Data used	IRS tax return filing population + SSA Numerical Identification File	IRS tax return filing population + Medicare enrollment data + Group Quarters data + SSA Numerical Identification File
Tax return time period covered	Returns processed by end of December	Returns processed by late September
Matching procedure	 Primary, Secondary, Dependent filers (year 1) to Primary/Secondary (year 2)* Only matched records over 2 years are included Dependent returns in year 1 and year 2 are excluded Nonfilers are excluded 	 Individuals (from IRS + Medicare data) in year 1 to individuals in year 2 Only matched records over 2 years are included Because of person-based method, dependent records are included Nonfilers could be represented in Medicare data
Geographic coding	Records are geocoded based on 9-digit ZIP code • If county cannot be determined, records are excluded	 Records are geocoded based on 9-digit ZIP code If county cannot be determined, records are coded based on address

^{*}Beginning with 2011-2012 IRS data

IRS Migration and Census PEP Comparisons

	IRS Migration Data	Census PEP Migration Estimates
Data released	Data are released and updated annually independent of previous iterations	Data are released annually and include an updated time-series beginning with the previous Census or point in time series
Methodology	 Direct method of calculating migration using matched population of tax returns Identify inmigrant, outmigrant, and nonmigrant returns based on ZIP code of origin (year 1) and destination (year 2) Microdata are aggregated into state and county flows Data below 10 returns are grouped into various "Other" categories or suppressed 	 Indirect method of calculating domestic migration based on matched IRS + Medicare records Data split into age groups (0-17, 18-64, and 65+) Identify inmigrants, outmigrants, and nonmigrants based on ZIP code of origin (year 1) and destination (year 2) Calculate net domestic migration rate (NDMR) for an area (Ins-Outs)/(Nonmigrants + Outs) Apply NDMR to household population to create net domestic migration estimate Add the domestic migration estimate for the 3 age groups to the total GQ change

Future Plans

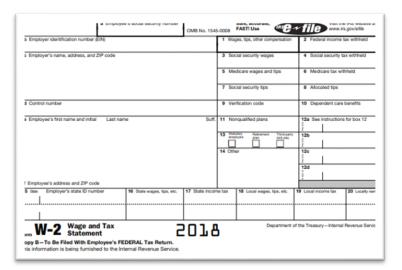
Future Plans

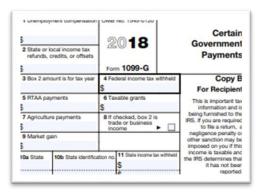
Future plans include the continued use of tax return information, as well as greater use of information returns (W-2, 1099-R, 1099-SSA, 1099-MISC, 1099-G)

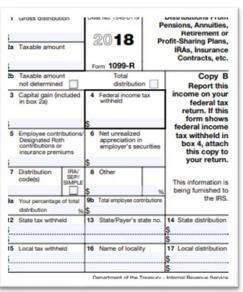
- Include nonfilers in population
- Use of info return ZIPs + tax return ZIPs, could be less susceptible to identity theft/IRS processing changes

Under consideration

- Moving to an individual-based matching procedure
- How should we assign income for joint tax filers?
- What types of income should be included for nonfilers?
- How far back should we apply any new methodology?
- What other items should we consider?







IRS Migration Data Websites

IRS Statistics of Income Main Page:

Statistics | Internal Revenue Service (irs.gov)

IRS Migration Page:

SOI Tax Stats - Migration Data | Internal Revenue Service (irs.gov)

Migration Papers

- SOI Migration Data: A New Approach
- U.S. Population Migration Data: Strengths and Limitations

Thank you. I welcome your feedback. www.irs.gov/statistics

Kevin Pierce

kevin.k.pierce@irs.gov