Migration in New York State

Leslie Reynolds

Jan Vink

Cornell Program on Applied Demographics (PAD)

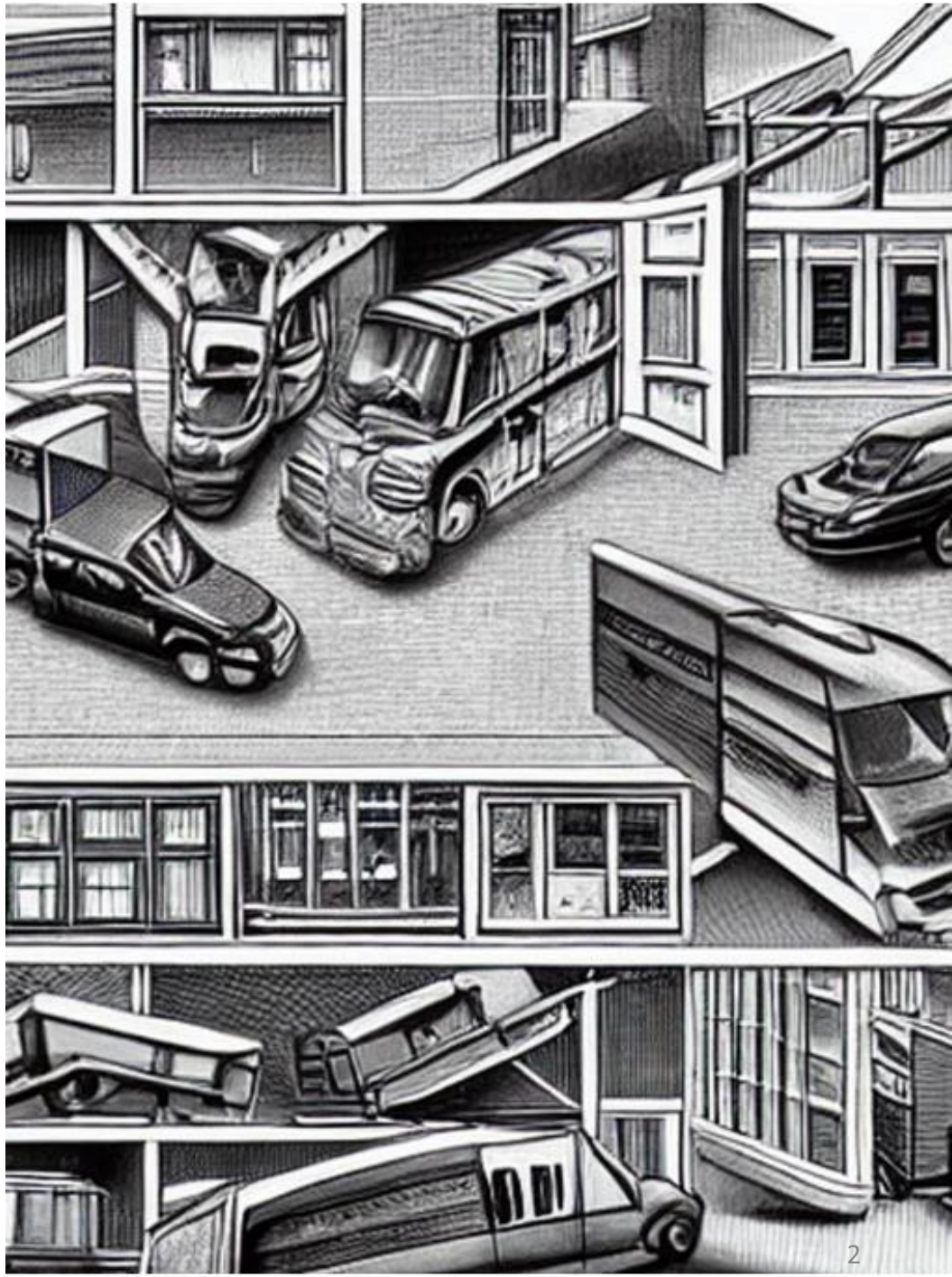
Talk Outline

Part I: Background

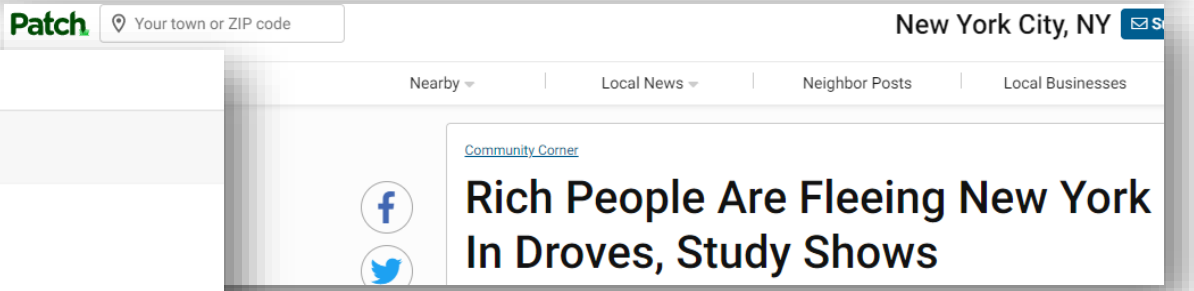
- Recent Headlines on New York State Migration
- Migration Data Sources

Part 2: Results

- Net Migration
- Moving to and from...?
- Who is moving?



Migration in the News



Headlines Spur thoughts:

New phenomenon, or continuation of a longer trend?

Did COVID-19 have a unique migration effect?

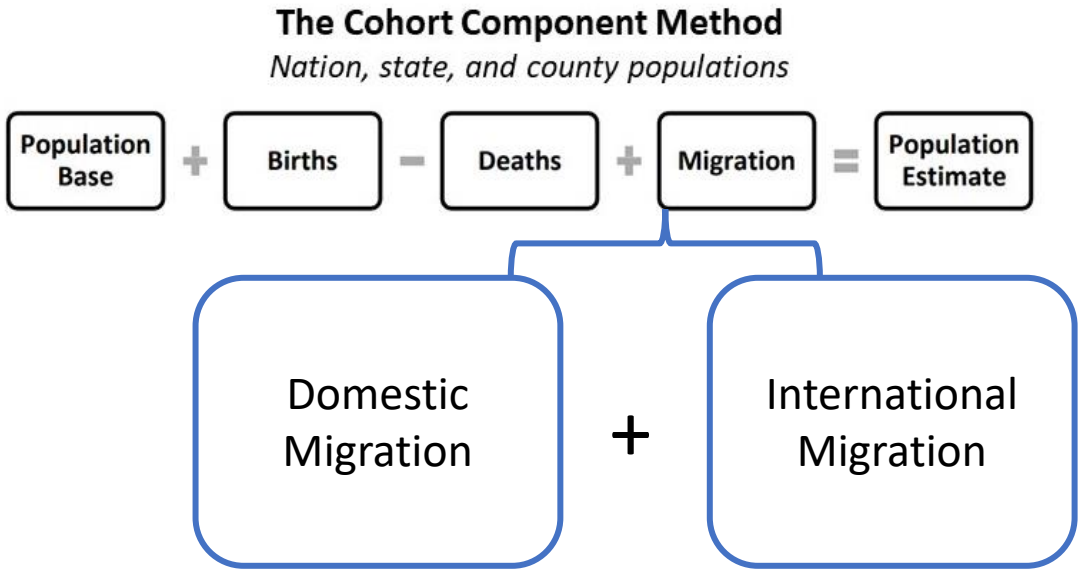
Who is part of the "Mass Exodus" to Florida? Is it part of an early retirement trend, or something else?

Are people dispersing through New York, moving to nearby states, or other regions entirely?

Answers to these questions could necessitate policy changes. We want to contextualize new data within historical trends

Migration Data: Annual Population Estimates

Pop Estimates created from...



$$NDM\ Rate_{0-17} = \frac{In\ migrants_{0-17} - Out\ migrants_{0-17}}{Non\ migrants_{0-17} + Out\ migrants_{0-17}}$$

$$NDM\ Rate_{18-64} = \frac{In\ migrants_{18-64} - Out\ migrants_{18-64}}{Non\ migrants_{18-64} + Out\ migrants_{18-64}}$$

Net Domestic Migration (July 1, year A to June 30, year B)

Data from multiple data sources:

- IRS Tax Return data, ages 0-64
- Center for Medicare and Medicaid Services (CMS) Medicare Enrollment Data, 65+
- Social Security Administration (SSA) NUMIDENT File, all ages
- Change in Group Quarters

Method:

-Net Domestic Migration rates for each age group (under 18, 18-64, and 65+)

  -Using NUMIDENT and IRS data for under 65

  -NUMIDENT and CMS data for 65+

-At county-level, combine age-specific NDM rates with total GQ change for each age group

-Sum to state level and repeat same process

-Controlled to sum to 0 at national level

Migration Data: Annual Population Estimates (cont.)

Net International Migration

Components and Data Sources

- Non-U.S. born immigration (1-year ACS residence one year ago (ROYA))
- Non-U.S. born emigration (NCHS Hispanic life tables by age and sex, 1-year ACS year of entry)
- Net migration between the U.S. and Puerto Rico (1-year ACS and PRCS)
- Net migration of U.S. born population to/from the U.S. (census, survey, and population register data from 100 countries)
- Net movement of armed forces to and from the U.S. (Defense Manpower Data Center (DMDC))

Method:

- Estimate national totals for each component
- National totals → nation and state characteristics, using PU from three 1-year ACS files
  - For all components but movement of the Armed Forces
- Nation and state characteristics → county characteristics, using PU from ACS 5-year file
- *Armed forces:* characteristics and state/county distributions come from DMDC and pooled 1-year ACS

Migration Data (cont.): U Wisconsin Applied Population Lab

- Data on Net Migration by Decade, from 1950-2020
  - For the U.S., Counties and states
  - By age, race. Hispanic origin, and sex
- Population at the beginning of the decade (Census count) aged forward over time
  - Births added, deaths subtracted = Expected population at end of decade
  - Net Migration= observed population from the end of decade Census minus the expected population
- 2020 Population is from the blended base
  - Beta version: no data for ages 75+, use caution when interpreting migration of children under 10

Residual Method

$$Census_{Cohort}^{2020} = Census_{Cohort}^{2010} - Mortality_{cohort} + NetMigration_{cohort}$$

$$Observed = Expected + NetMigration$$

or

$$NetMigration = Observed - Expected$$

$$NetMigrationRate = 100 * NetMigration/Expected$$

Migration Data (cont.): American Community Survey (ACS)

Standard Tabulations (data.census.gov):

- In-migration and outmigration using residence one year ago (ROYA)
- Geographical mobility categories (e.g. non-movers, mover from same state different county etc.)
- By Select characteristics (e.g. 5-year age group, sex, tenure, race/ethnicity etc.)

➢ Microdata for more nuanced analysis (specific age groups or by household structure)

ACS Migration flow data:

- Household and GQ locations + responses to migration questions
- Period estimates (5 years) of current residence versus ROYA
- Annual number of movers between...
  - ❑ Counties
  - ❑ Counties/minor civil divisions (MCD)
  - ❑ Metropolitan Statistical Areas (MSA)

Other sources of migration data

Internal Revenue Service (IRS)

County-to-county migration

Current Population Survey (CPS)

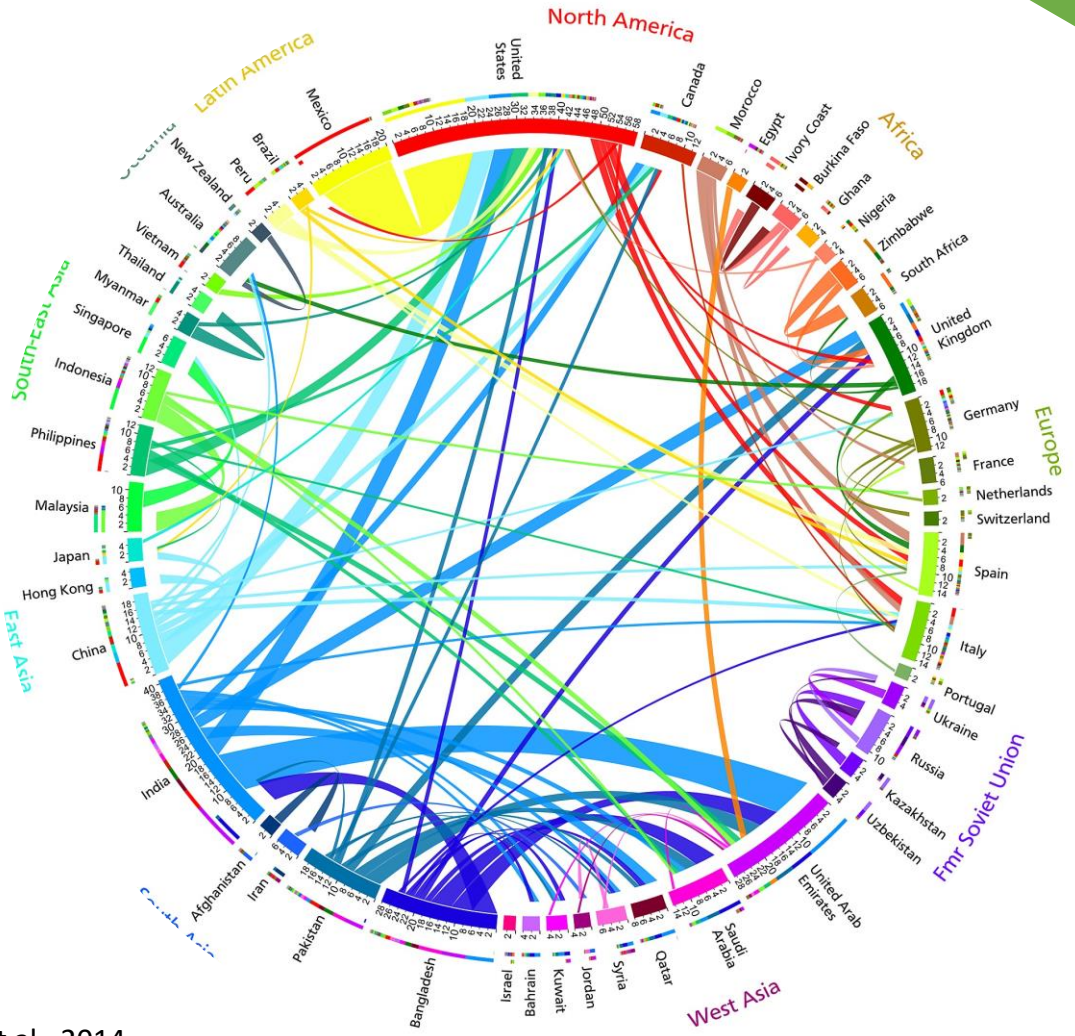
Driver licenses surrendered

Commercial data, e.g.:

Moving Companies

Credit card transactions

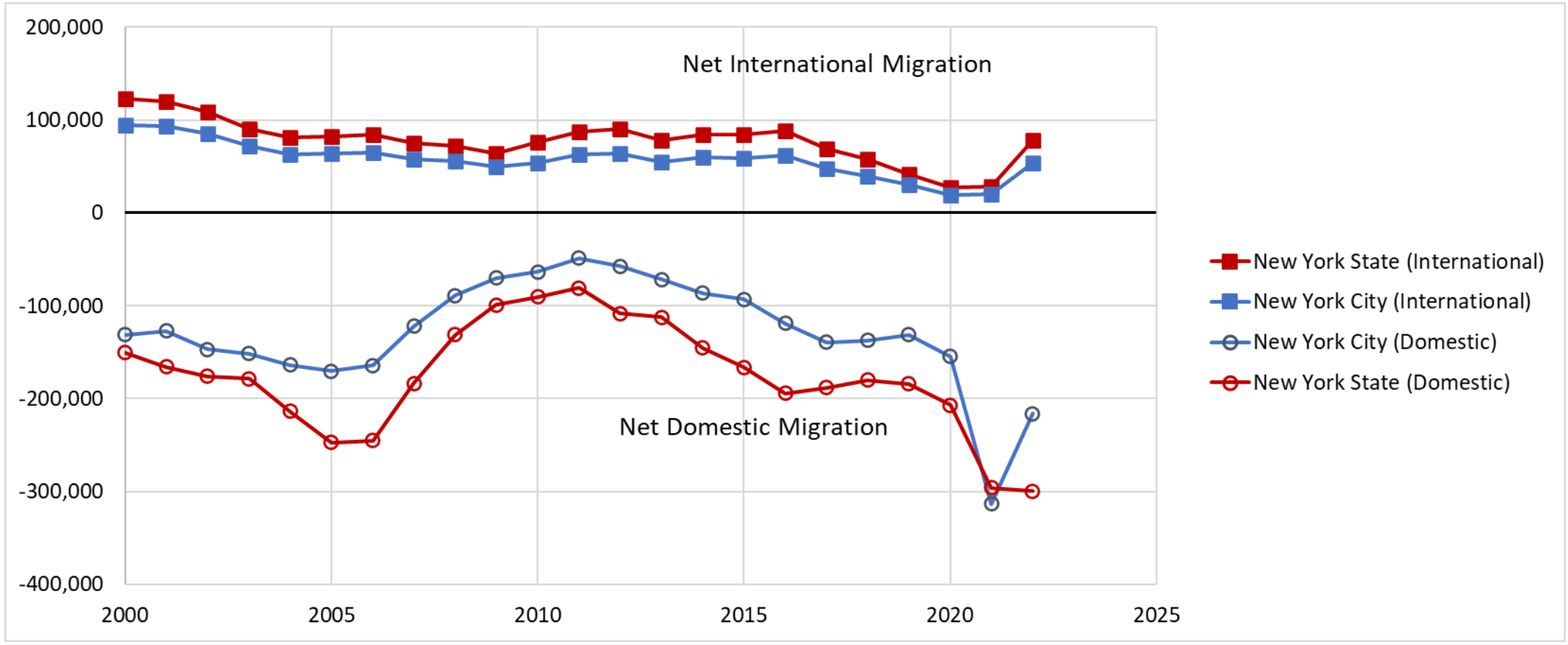
Facebook



Sander et al., 2014

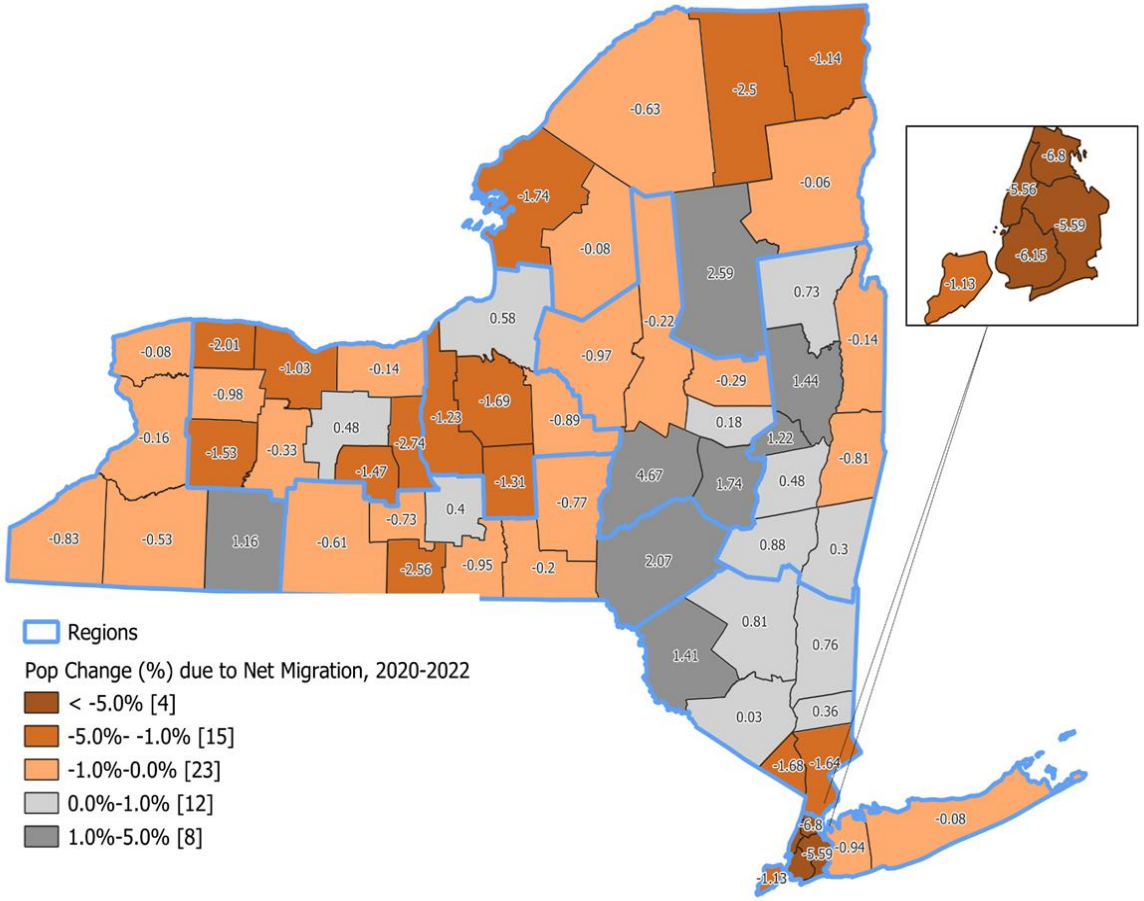
Part II: Results

Annual Population Estimates of net migration

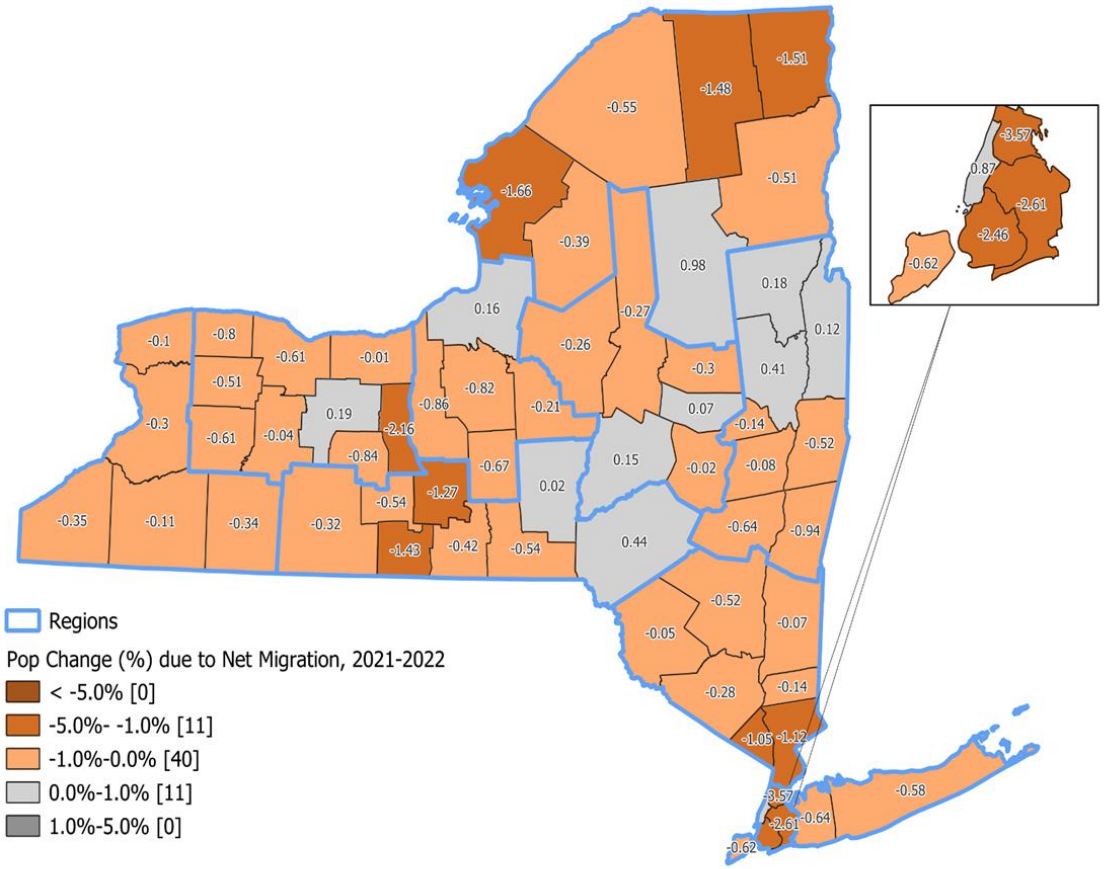


Population Change Due to Net Migration

From 2020 to 2022

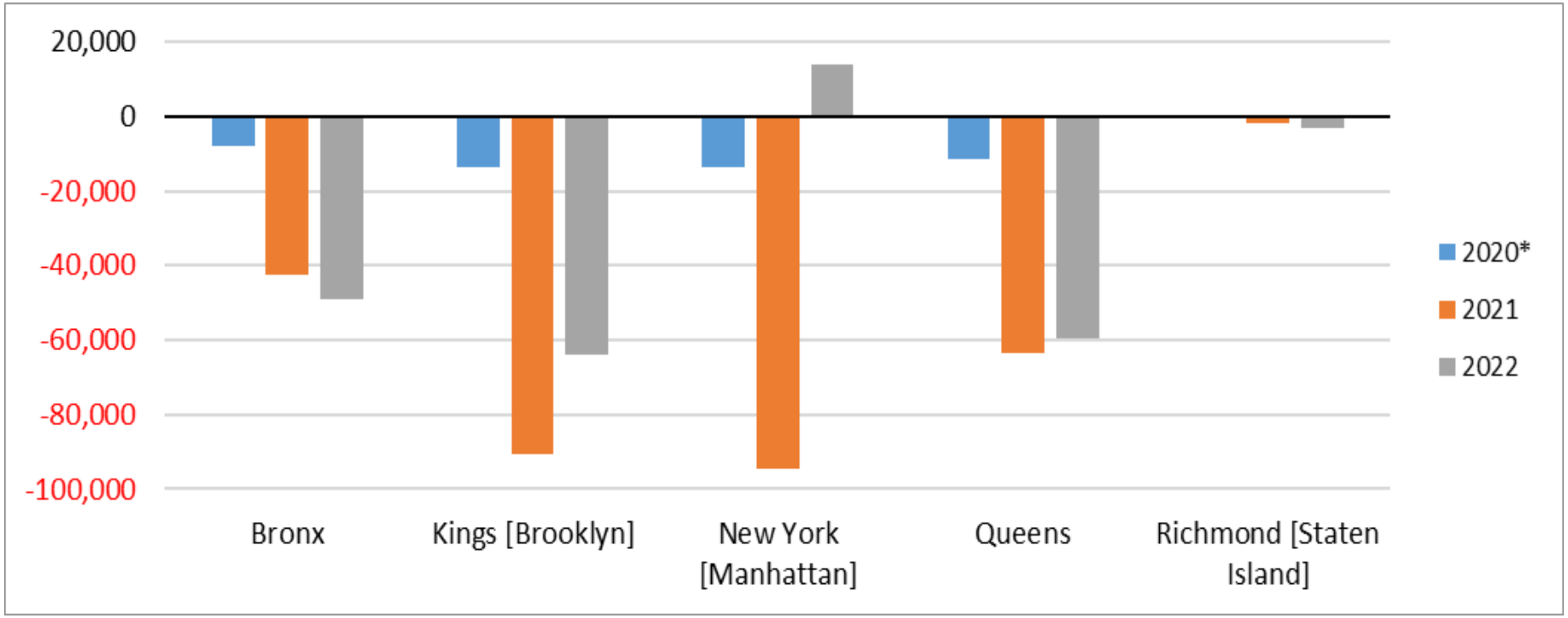


From 2021 to 2022



Net Migration in New York City by Borough

Estimated Annual Net Migration in New York City Boroughs, 2020-2022*

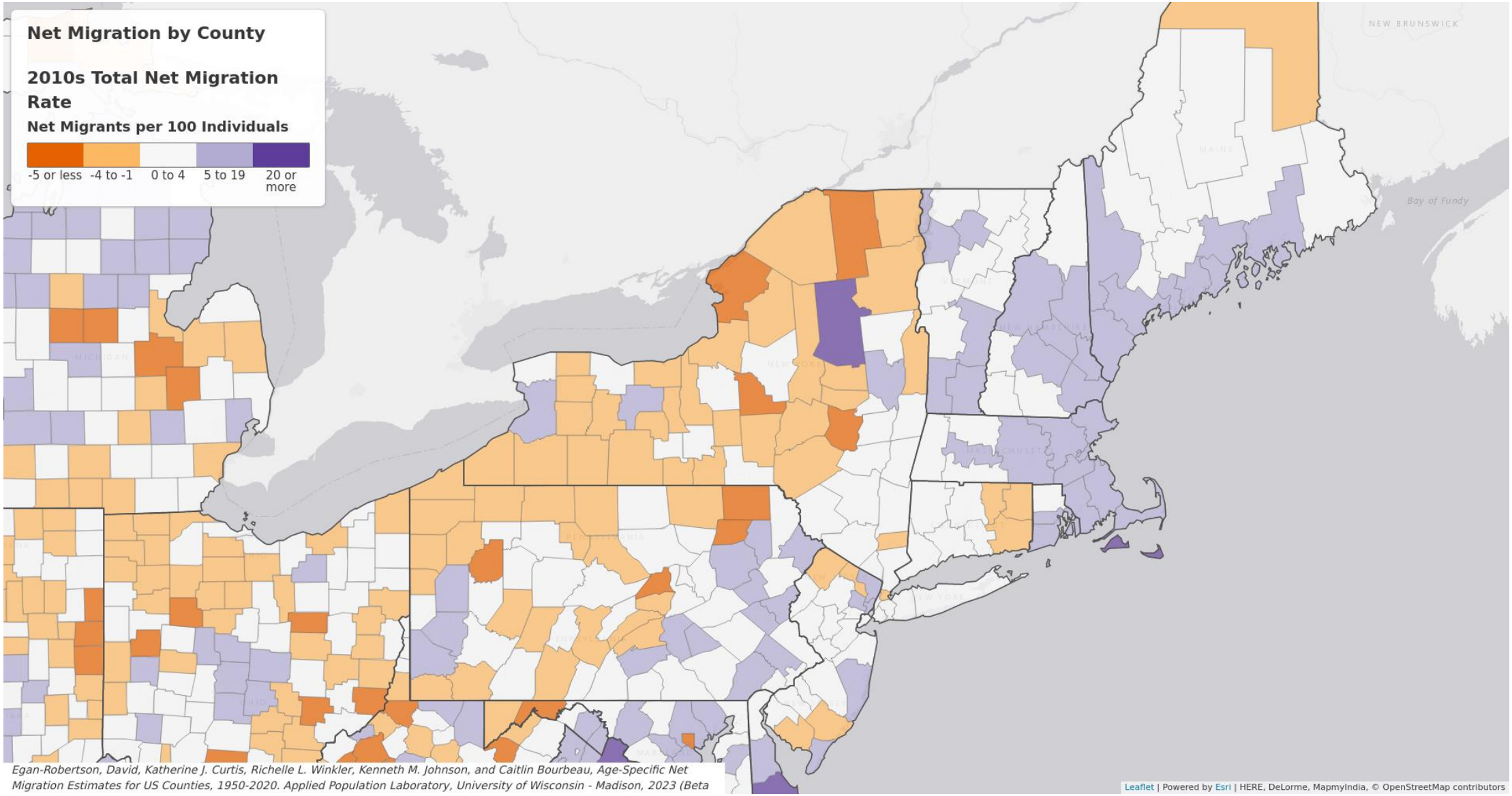


*2020 data only covers 3 months

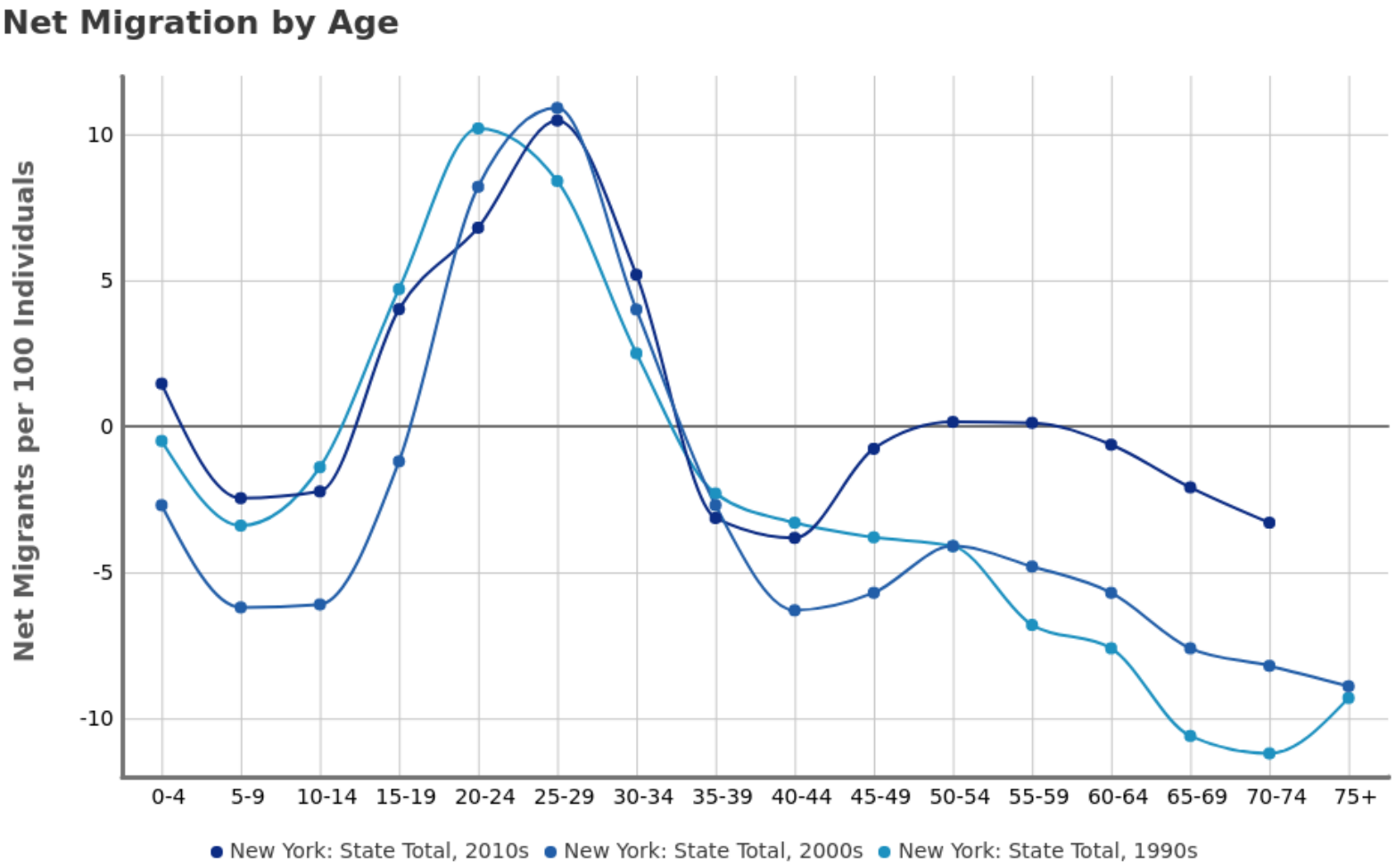
- More people moved out of than into all NYC boroughs in 2021
  - Manhattan had the steepest loss of 94,588 people, followed by Brooklyn (-90,759)

- In 2022, Manhattan was the only borough to gain population due to net migration (+13,855)
  - Brooklyn continued steep losses due to net migration (-63,801)

UW Net Migration Data

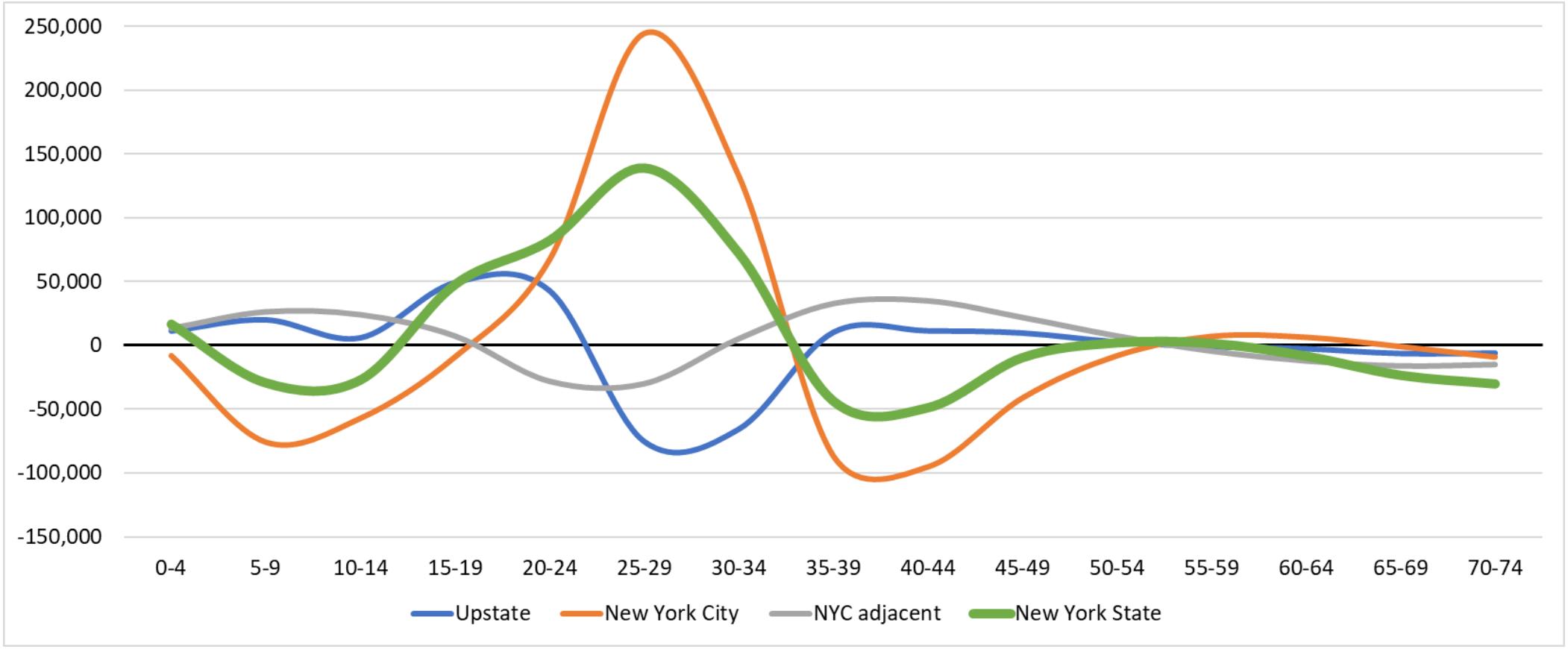


Net Migration by age group, 1990-2020

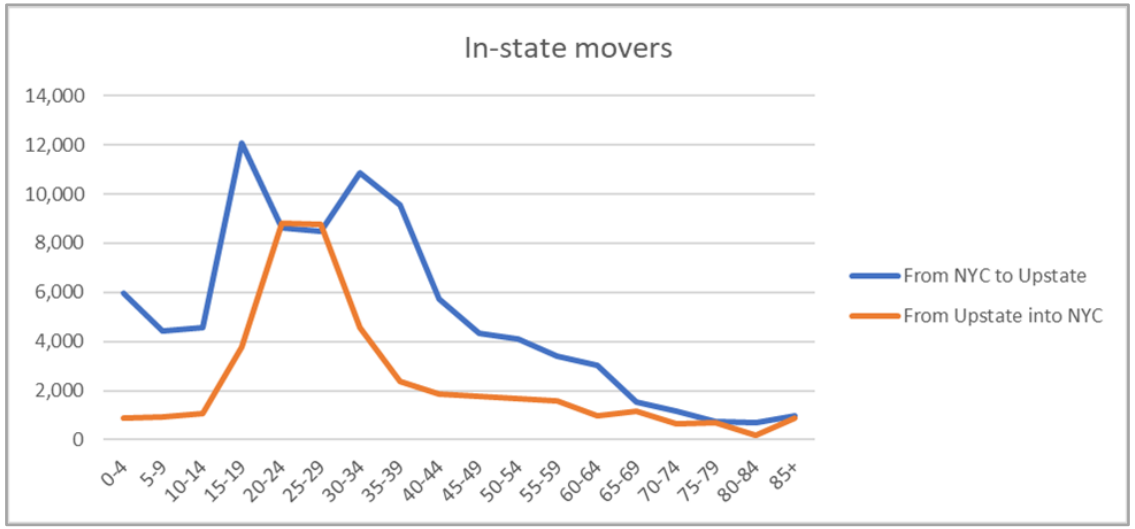


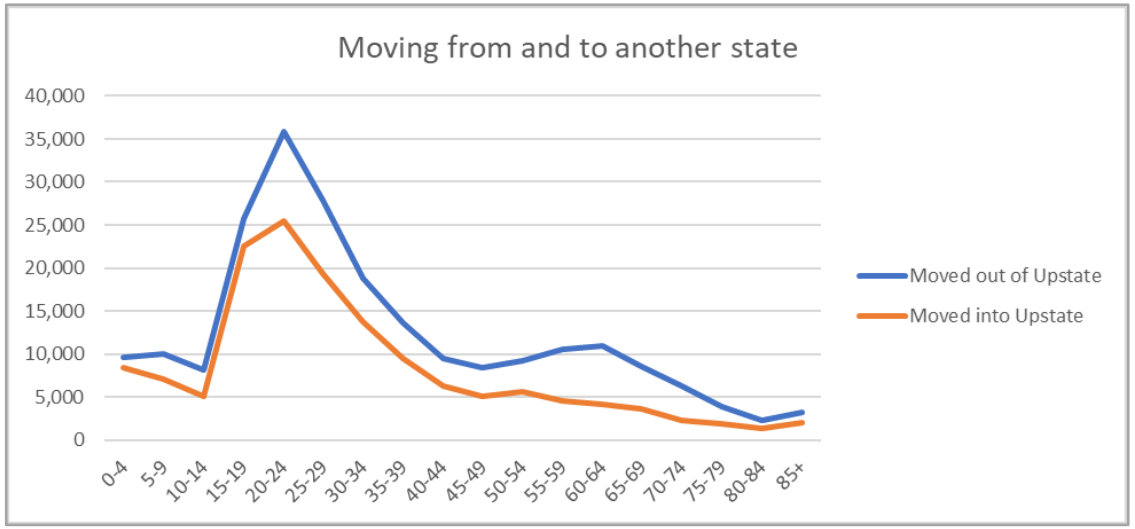
Egan-Robertson, David, Katherine J. Curtis, Richelle L. Winkler, Kenneth M. Johnson, and Caitlin Bourbeau, Age-Specific Net Migration Estimates for US Counties, 1950-2020. Applied Population Laboratory, University of Wisconsin - Madison, 2023 (Beta Release). Web.

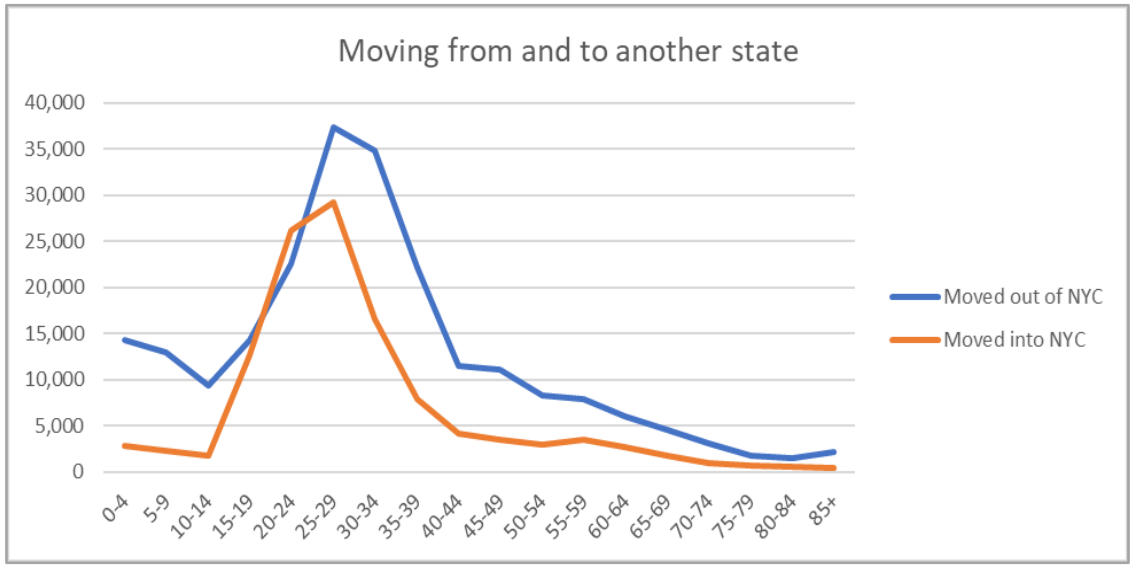
Net migration by age (2010-2020)

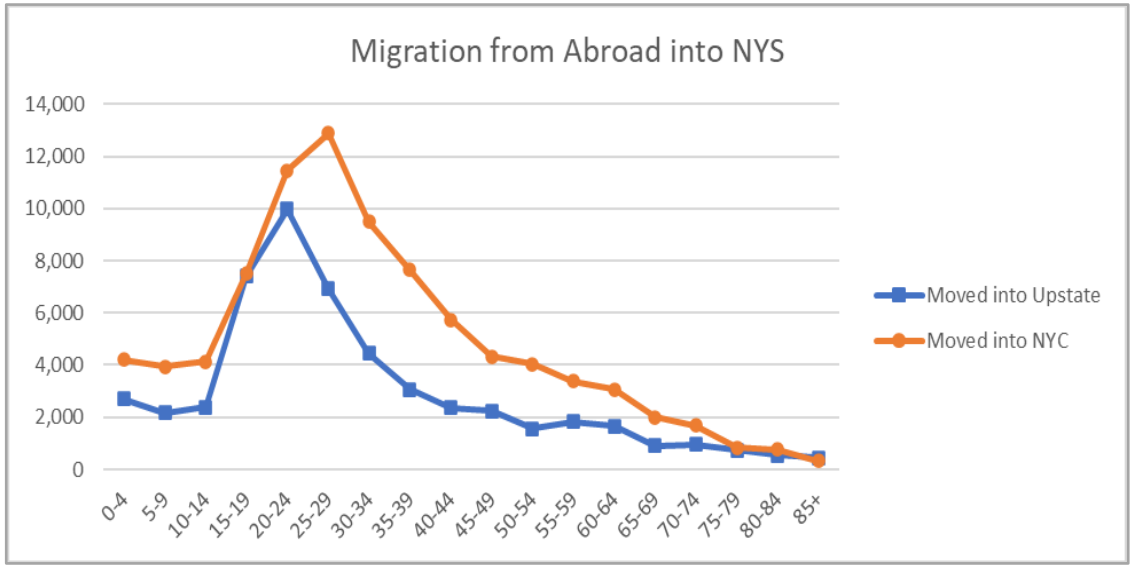


Age Distribution of Movers, 2019 ACS



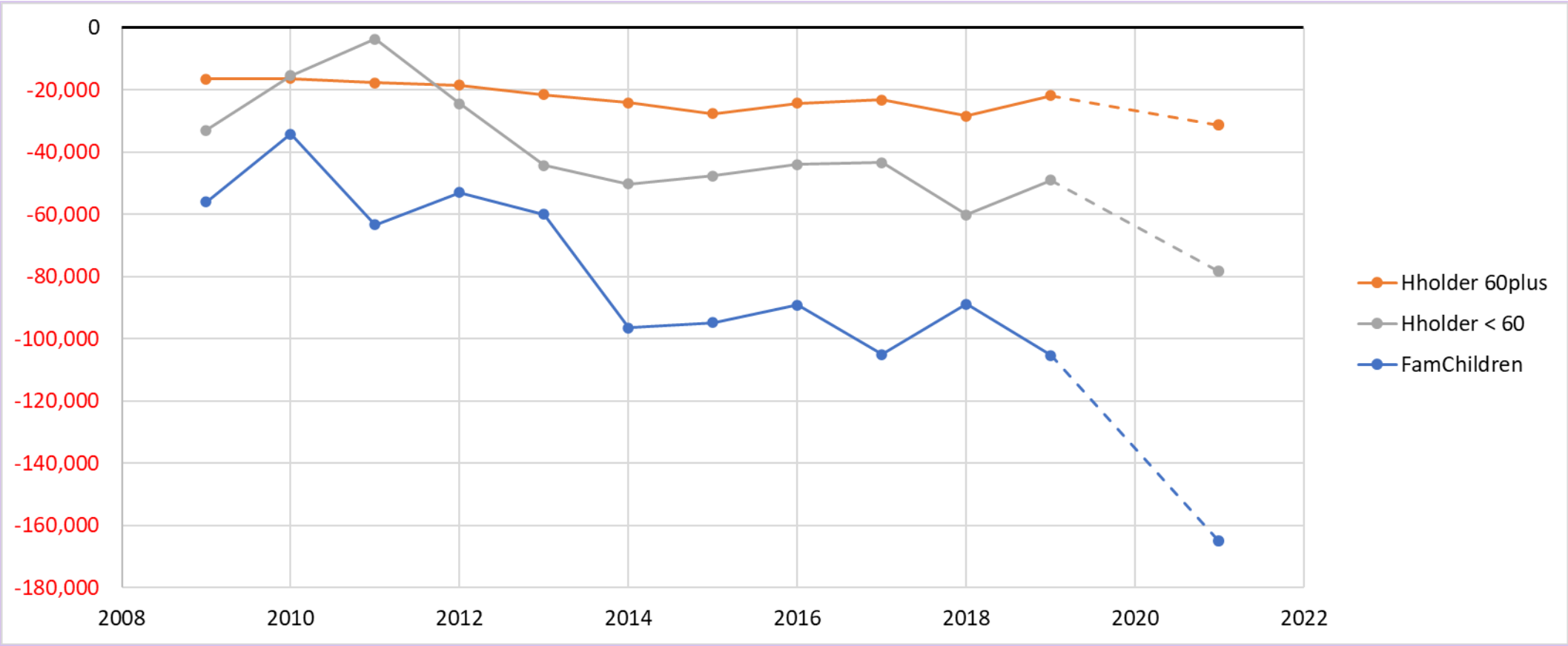






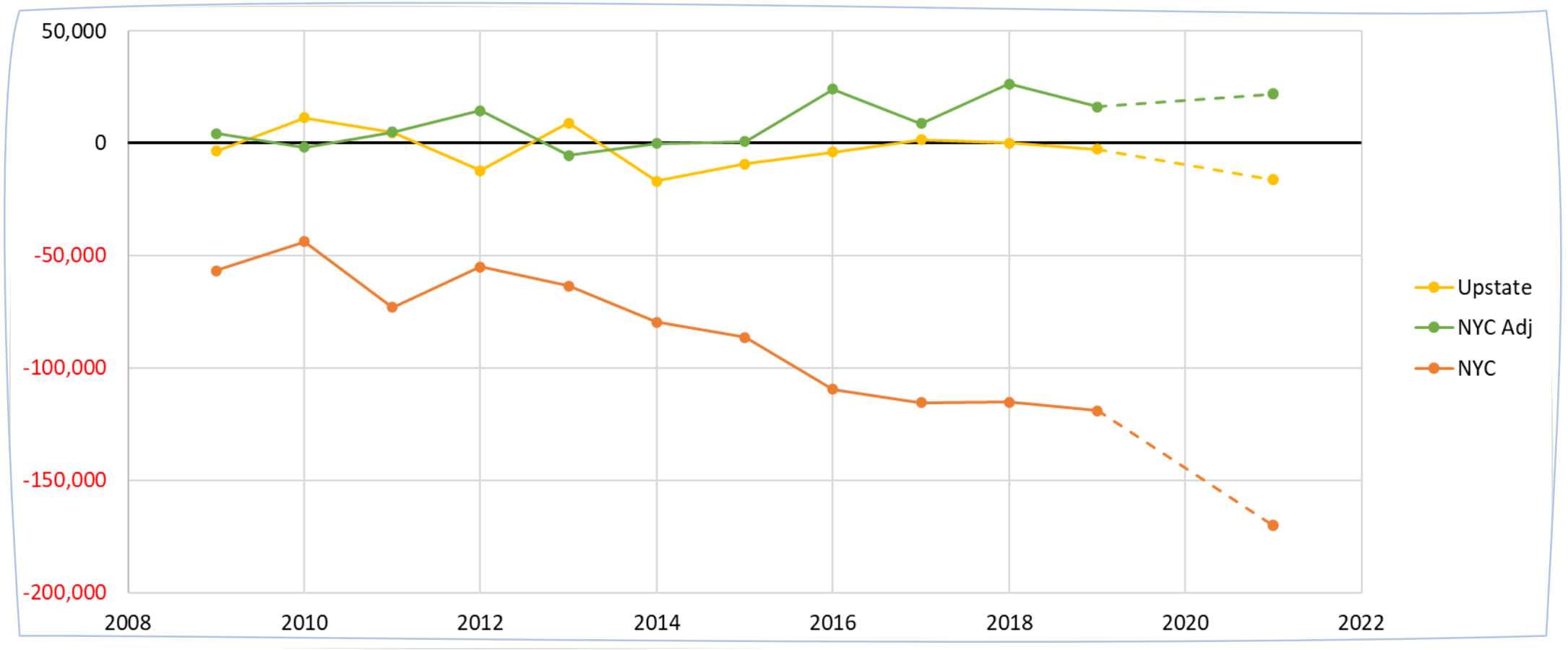
Net domestic migration

Household population by household type



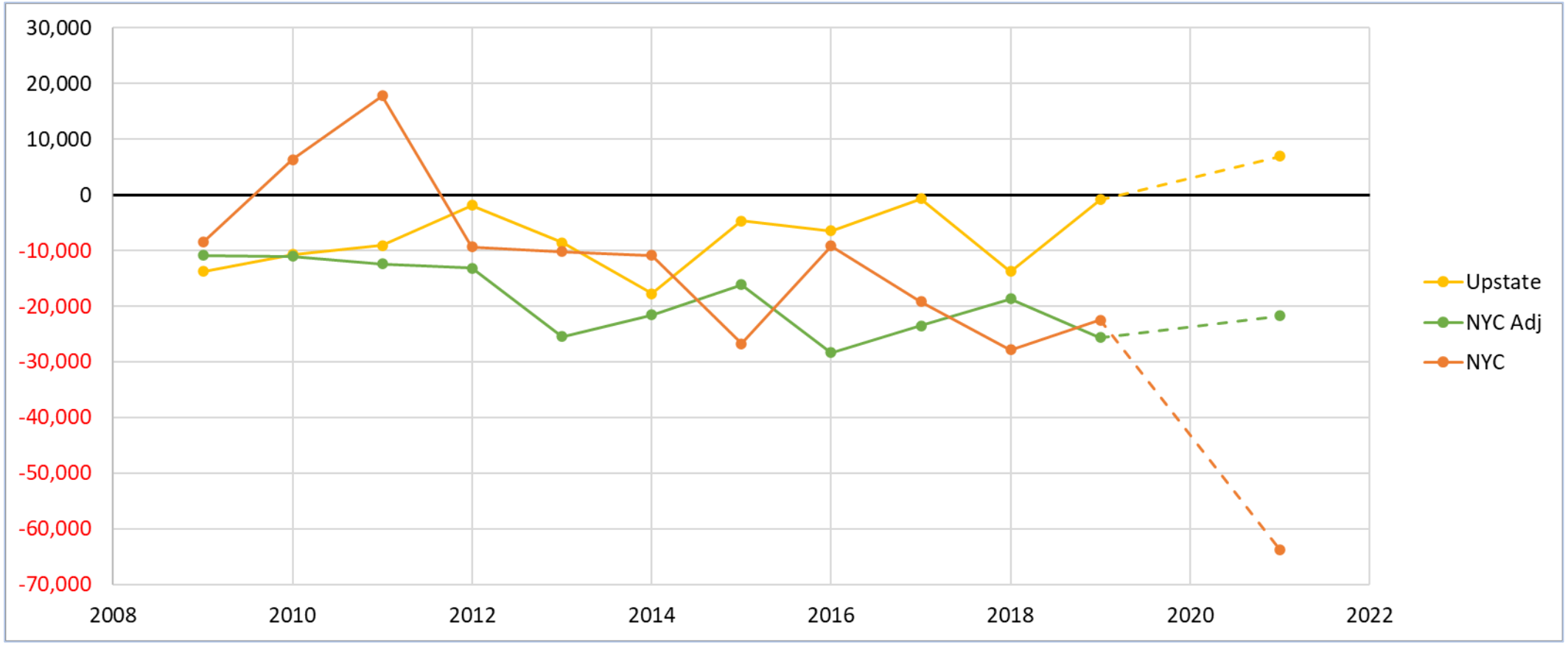
Net domestic migration by region

Household population in families with children



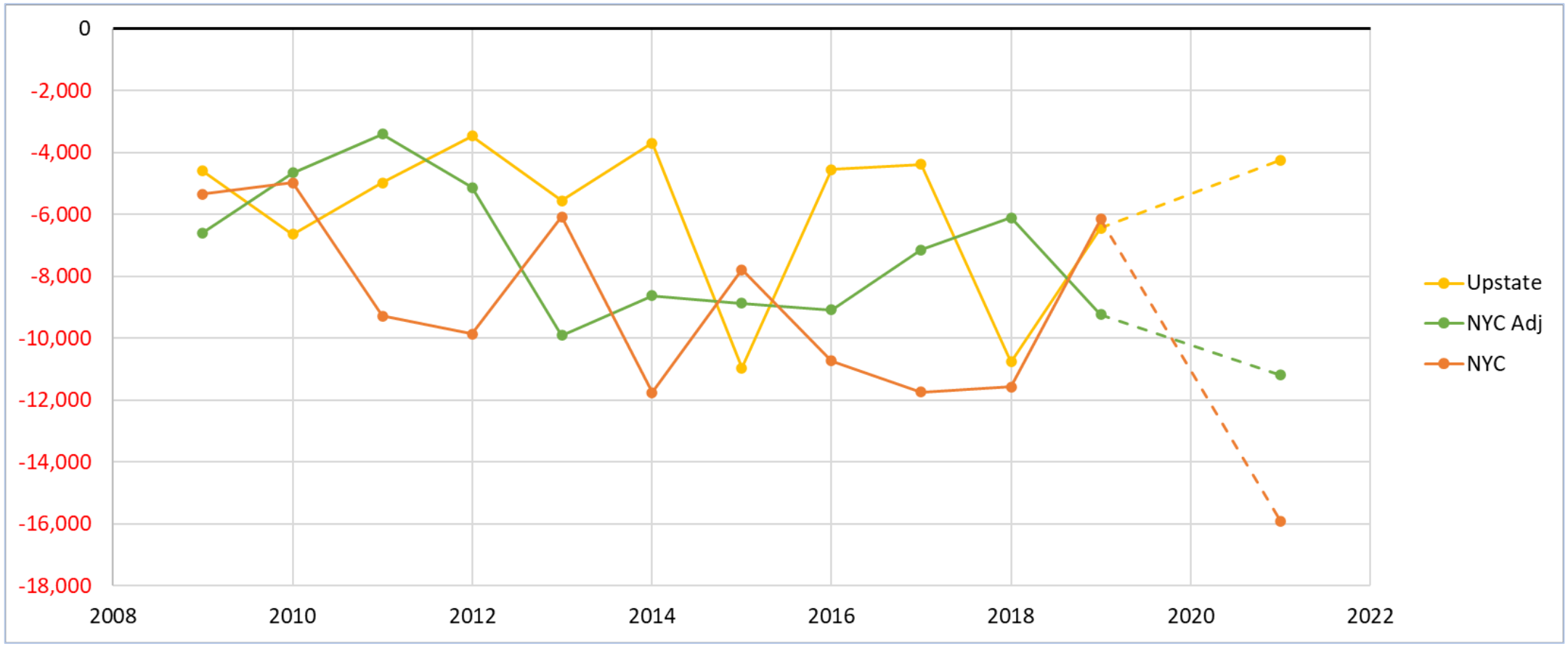
Net domestic migration by region

Population in households with householder < 60

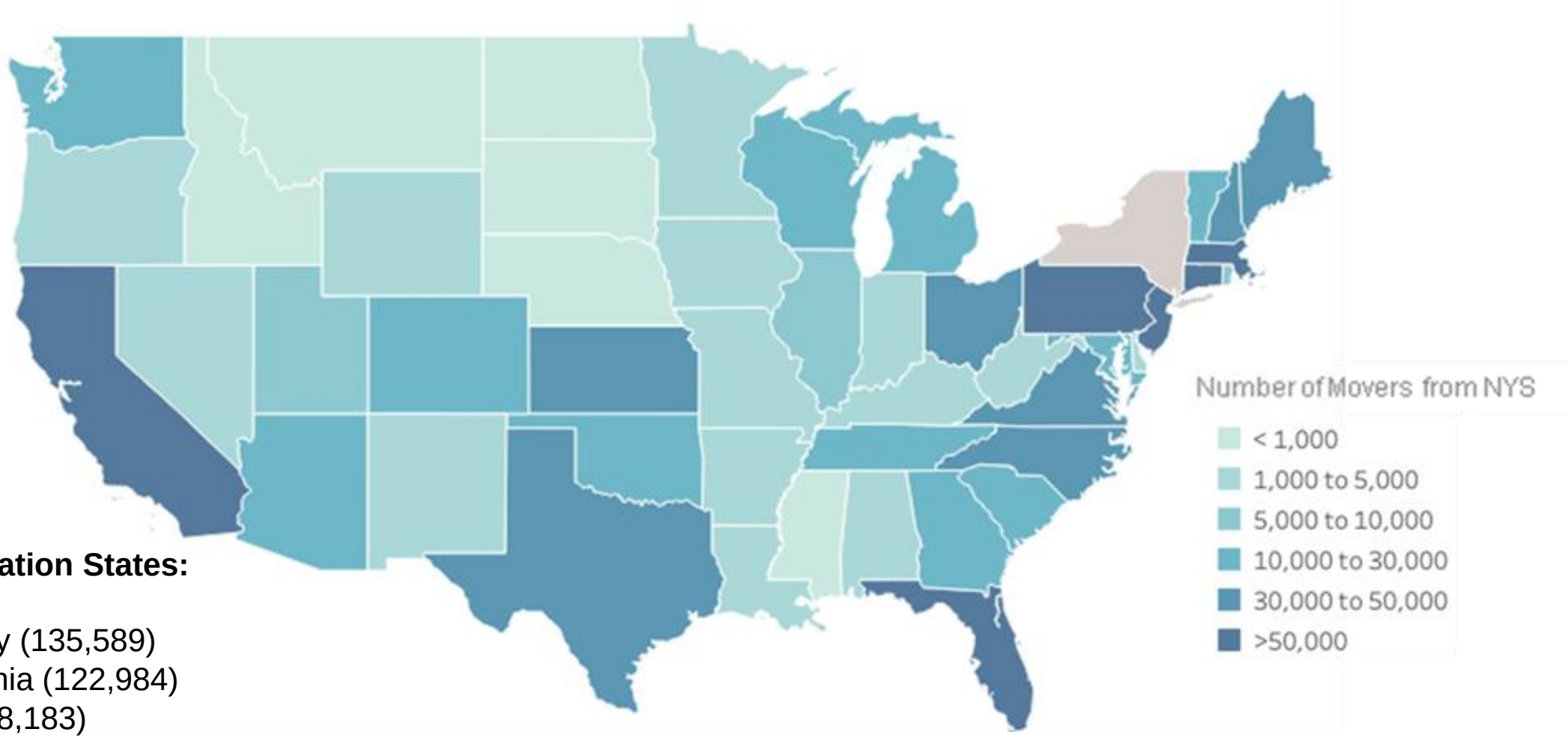


Net domestic migration by region

Population in households with householder over 60



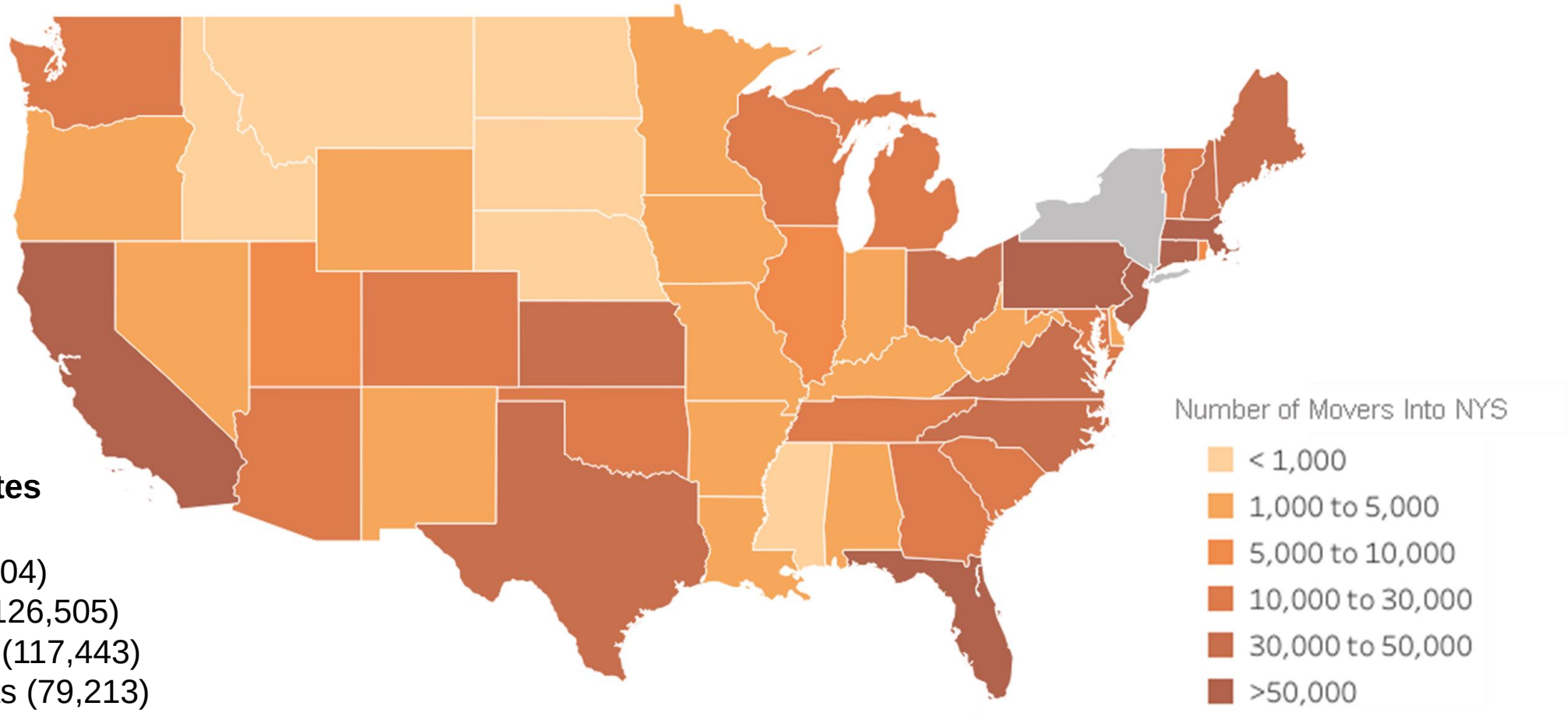
Number of Movers From New York into Other States, 2015-2019



Top 5 Destination States:

1. New Jersey (135,589)
2. Pennsylvania (122,984)
3. Florida (108,183)
4. Massachusetts (81,648)
5. California (77,826)

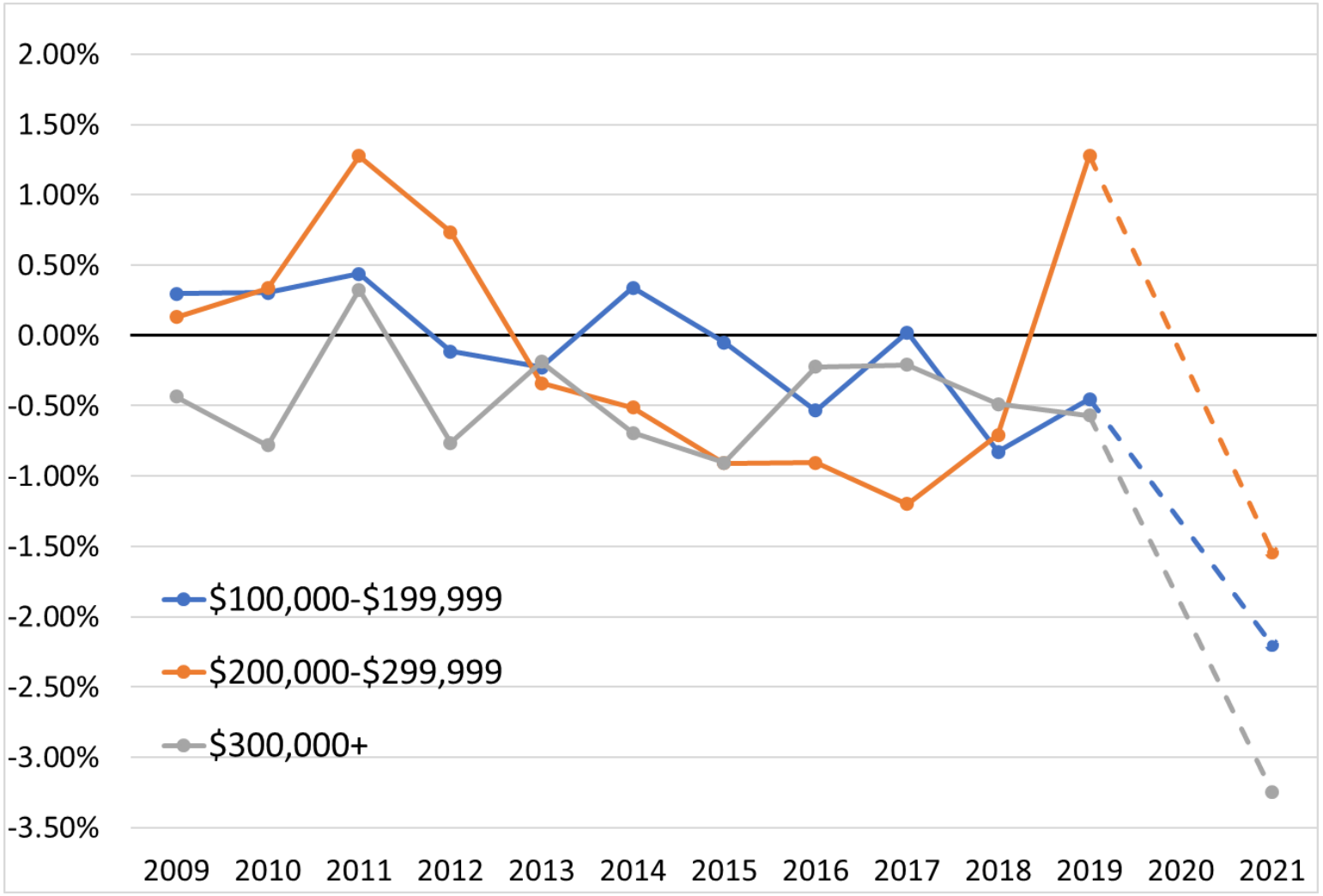
Number of Movers Into New York From Other States, 2015-2019



Top 5 Origin States

1. Florida (136,004)
2. New Jersey (126,505)
3. Pennsylvania (117,443)
4. Massachusetts (79,213)
5. California (77,924)

Net Migration Rate by Income Group, 2009 to 2021



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PADinfo@cornell.edu ●https://pad.human.cornell.edu

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