Diversifying the Classroom: Examining the Teacher Pipeline

Methodology

Constance Lindsay, Erica Blom, and Alexandra Tilsley

Methodology

All data for these charts come from the one-year American Community Survey (ACS) Public Use Microdata Sample (PUMS) data as provided by the Center for Economic and Policy Research.[1] The bar chart and teacher pipeline graph rely on the 2015 data only, and the state and city charts use data from the 2012–15 waves.

Definitions

Teachers: In general, teachers are defined as employed individuals with at least a bachelor's degree, no older than 65, and with occupation (OCCP) codes of 23XX. In the teacher pipeline graphs, we additionally restrict to teachers between the ages of 25 and 34 (inclusive) to reflect more recent entrants into the profession.

Students: Students are defined as individuals enrolled in kindergarten through 12th grade.

Race: Race is identified using the RAC1P and HISP variables, with the categories "American Indian alone" and "American Indian and Alaska Native tribes specified; or American Indian or Alaska Native, not specified and no other races" consolidated as "American Indian". "Native Hawaiian" includes other Pacific Islanders. "Some Other Race alone" and "Two or More Races" are excluded from the city and state graphs. Individuals who identify as Hispanic are coded as Hispanic only.

State: Teachers are assigned to their place of work state and students to their home state.

City: Teachers are assigned to their place of work public use micro area (POWPUMA) and students to their home PUMA. PUMAs nest within POWPUMAs and are mapped using the 2010 PUMA-MIGPUMA-PWPUMA Relationship provided by IPUMS. Names are applied to these PUMAs using the 2015 ACS PUMS Code List. These PUMAs are mapped to select cities where the cities can be reliably identified. For example, Cook County, IL, appears in our charts as Chicago, Los Angeles County as Los Angeles, and New York County, Bronx County, Kings County, Richmond County, and Queens County as New York City.

Weights: Individuals are weighted using person weights.

Note

1. ACS Uniform Extracts, Version 1.2. Washington, DC: Center for Economic and Policy Research, 2016.

Acknowledgments

For more information on this project, see https://www.urban.org/features/diversifying-classroom-examining-teacher-pipeline.

URBAN
INSTITUTE

2100 M Street NW
Washington, DC 20037

www.urban.org

ABOUT THE URBAN INSTITUTE

The nonprofit Urban Institute is dedicated to elevating the debate on social and economic policy. For nearly five decades, Urban scholars have conducted research and offered evidence-based solutions that improve lives and strengthen communities across a rapidly urbanizing world. Their objective research helps expand opportunities for all, reduce hardship among the most vulnerable, and strengthen the effectiveness of the public sector.