

A Prosperous Boston for All



COMMUNITY ECONOMIC IMPACT SERIES

Mayor Martin J. Walsh

A Prosperous Boston for All

COMMUNITY ECONOMIC IMPACT SERIES



Community Discussions hosted by the Mayor's Office of Economic Development

April 10th, 2019 – Cape Verdeans

May 14th, 2019 – Haitians

June 13th, 2019 – Dominicans

August 14th, 2019 – Puerto Ricans

November 21st, 2019 – Brazilians

December 18th, 2019 – Caribbeans*

March 11th, 2020 – Vietnamese

*This presentation covers Caribbean islands not included in previous presentations (Haiti, Dominican Republic, Puerto Rico)

This packet includes all presentations given to date.

Individual presentations are available through links at <http://www.bostonplans.org/research/research-publications>.

Cape Verdeans



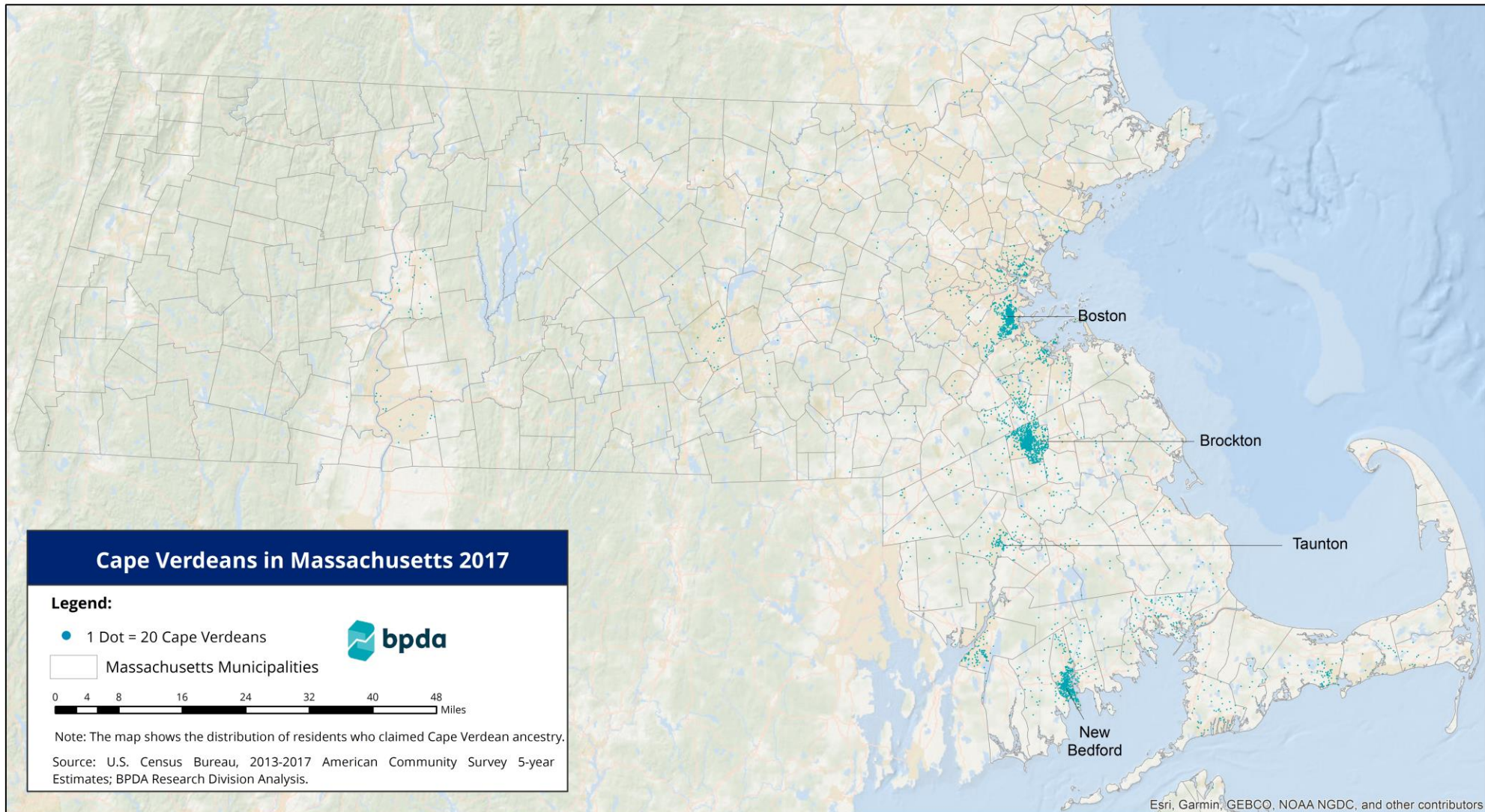
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Cape Verdean's contribution to the economy as entrepreneurs and workers is significant.



- Cape Verdeans in Boston had an income of \$326 million in 2016.
- Cape Verdeans made up 2.4% of Boston's population (15,681 people).
- Cape Verdeans living in Boston held 8,140 jobs and owned about 100 businesses.
- Cape Verdeans' consumer demand supported an additional 1,069 jobs and contributed \$163.6 million to Boston's gross city product in 2016.
- Cape Verdeans contributed \$16.6 million in state income taxes and \$5.4 million in state sales taxes in 2016.

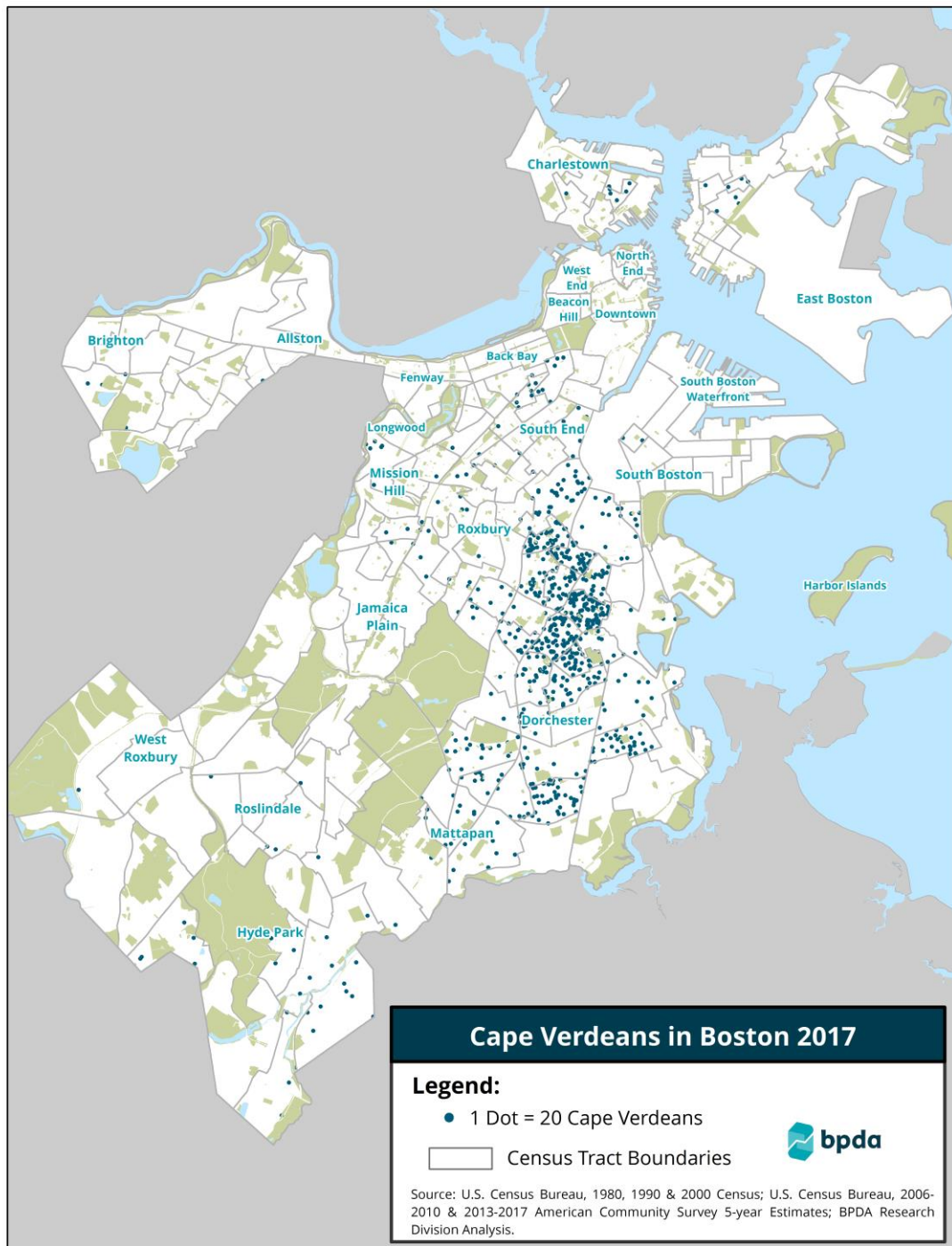
The 65,000 Cape Verdeans in Massachusetts live primarily in Boston, Brockton, Taunton, and New Bedford.



Cape Verdeans in Boston



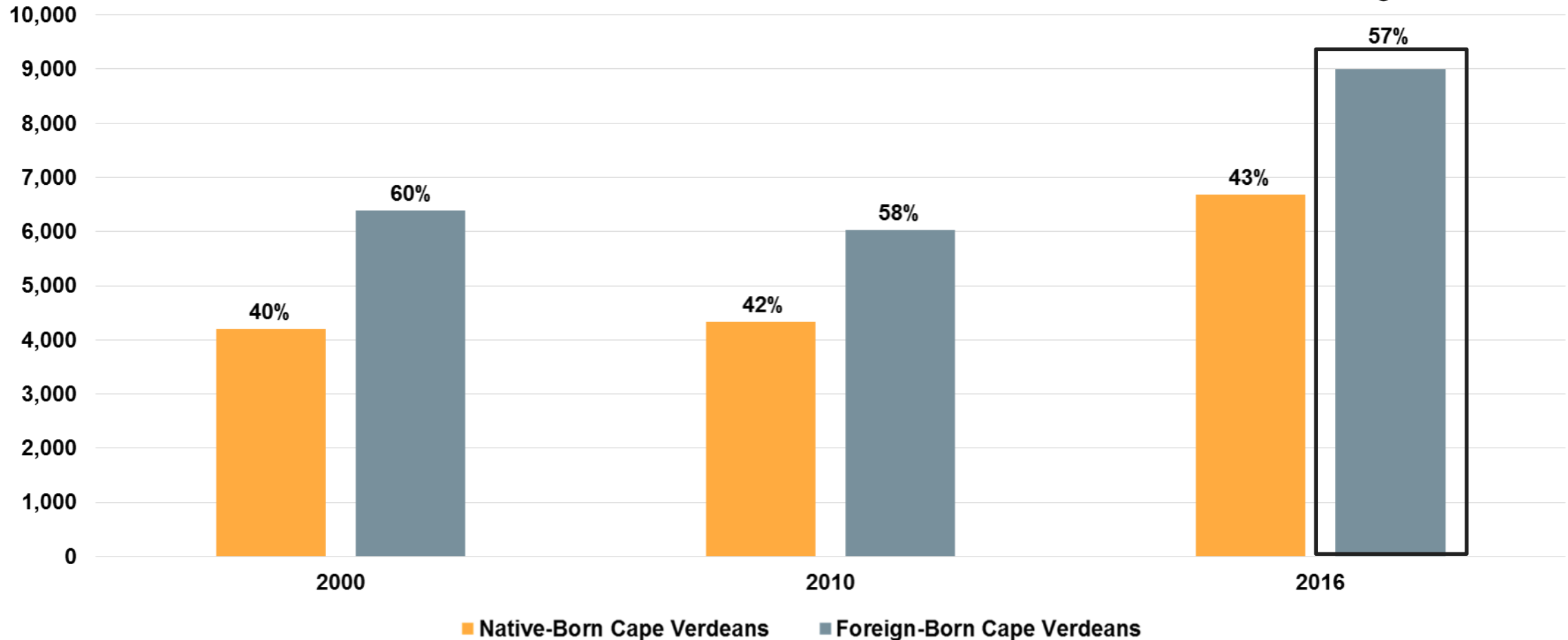
Cape Verdeans in Boston live predominantly in parts of Roxbury and Dorchester.



The Cape Verdean community of Boston has grown 48% since 2000.

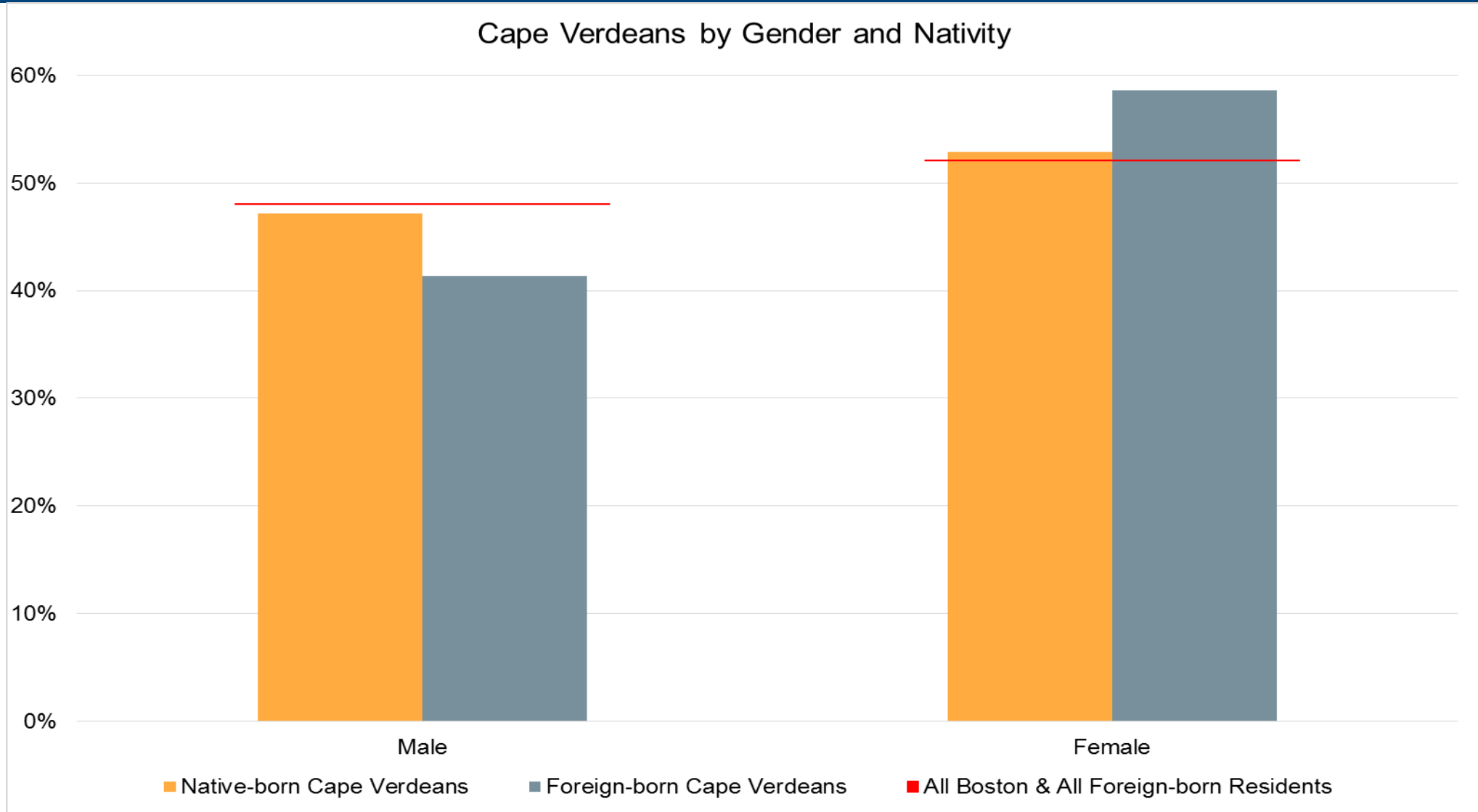


Cape Verdeans in Boston by Nativity

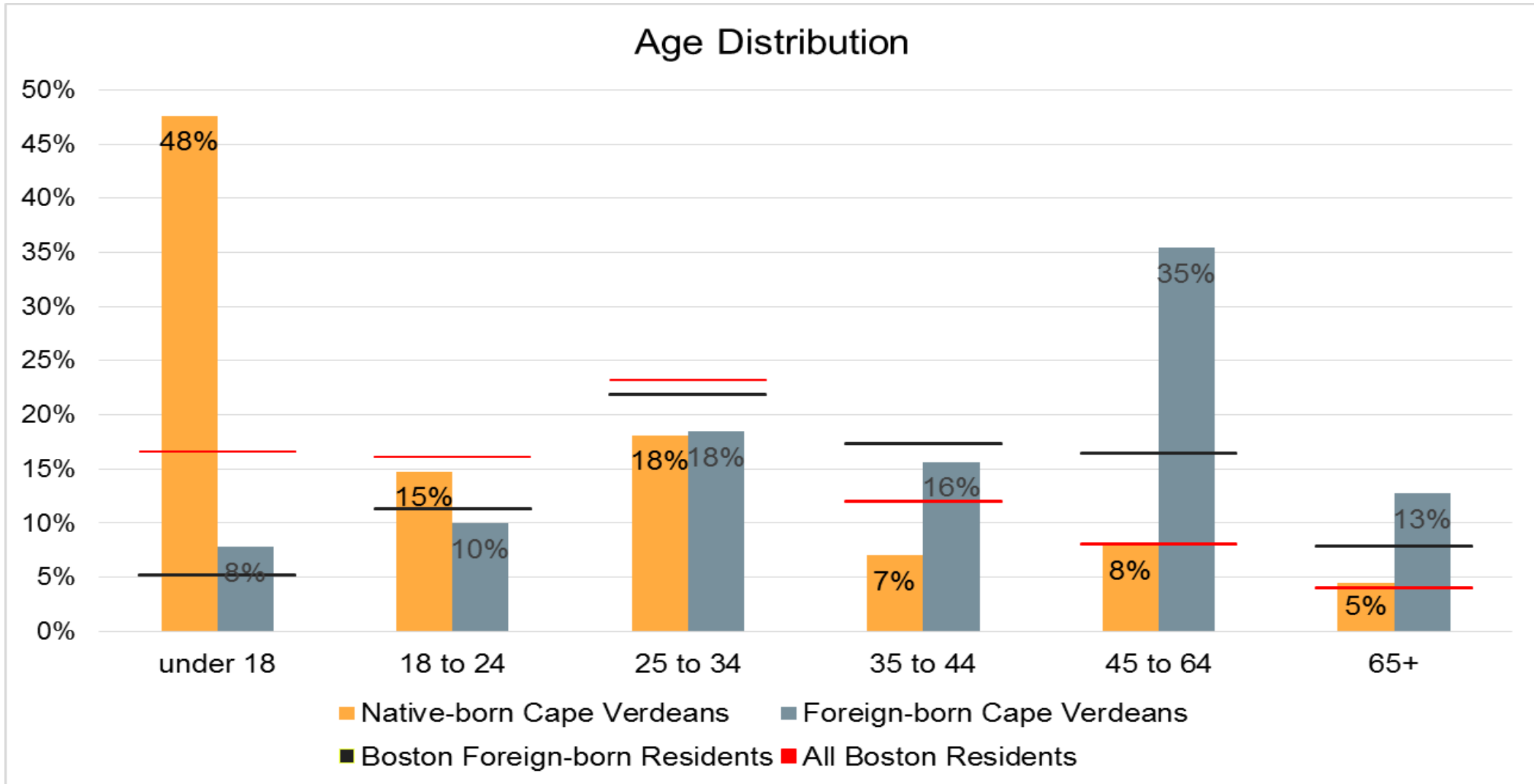


57% of Cape Verdeans are foreign-born.

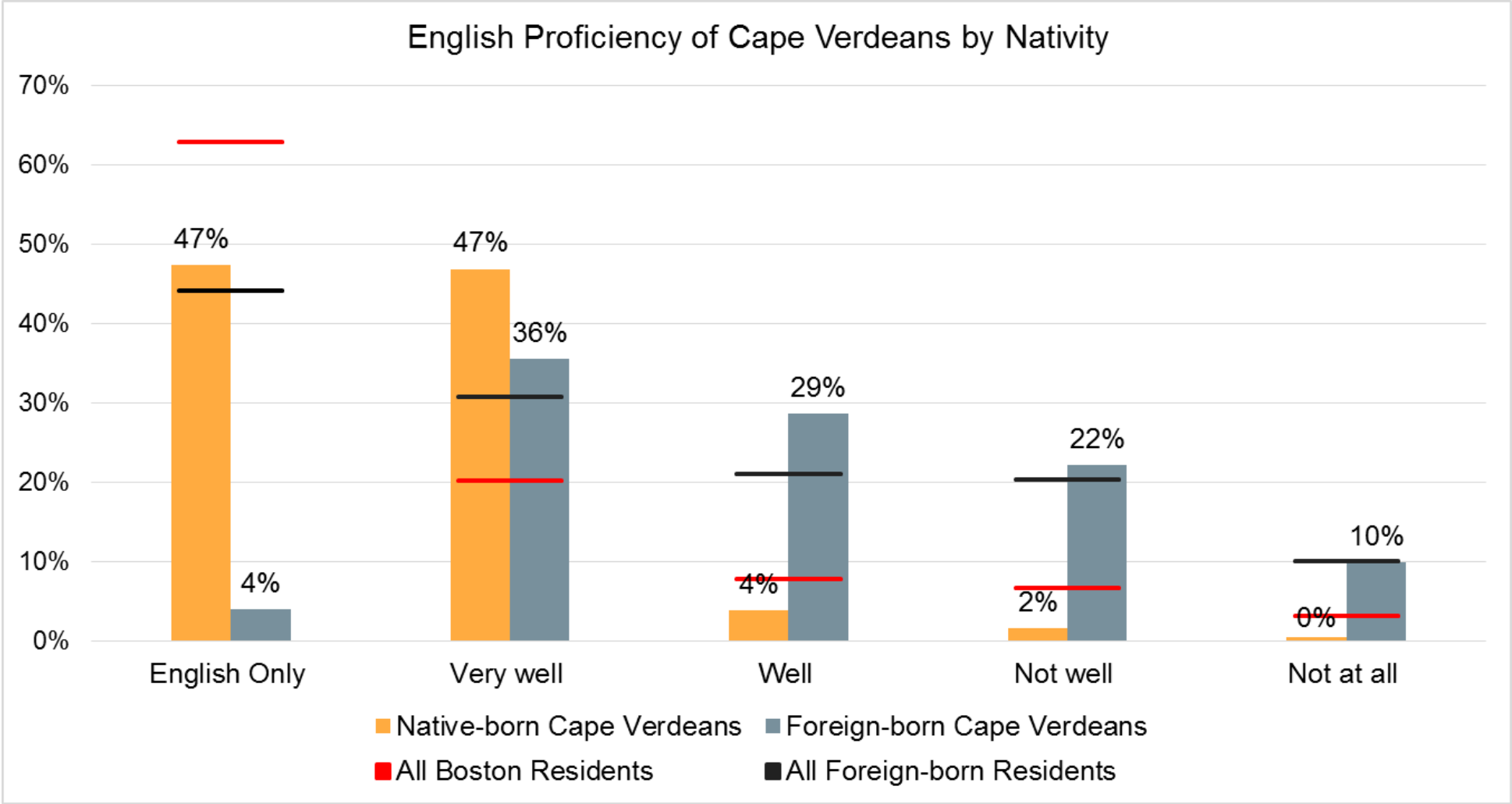
The Boston Cape Verdean population is predominantly female.



Foreign-born Cape Verdeans are older, while half of native-born Cape Verdeans are children.



Native-born Cape Verdeans speak English very well, while many foreign-born Cape Verdeans are not proficient in English.

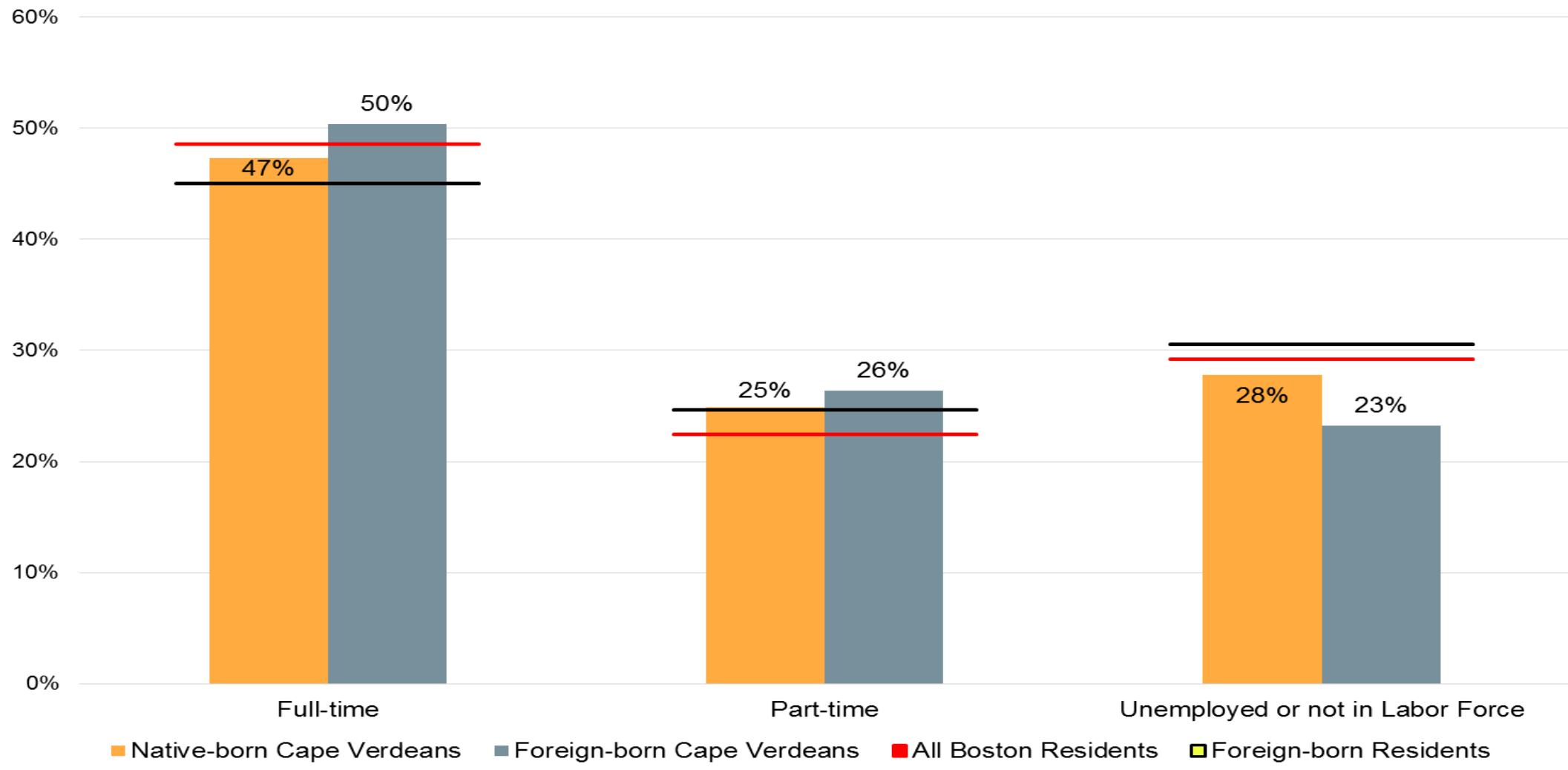


Source: U.S. Census Bureau, 2012-2016 ACS Community Survey, PUMS, BPDA Research Division.

83% of adult Cape Verdeans are in the labor force, half of which work full-time.



Employment Type (18 to 64 years)



Source: U.S. Census Bureau, 2012-2016 ACS Community Survey, PUMS, BPDA Research Division.

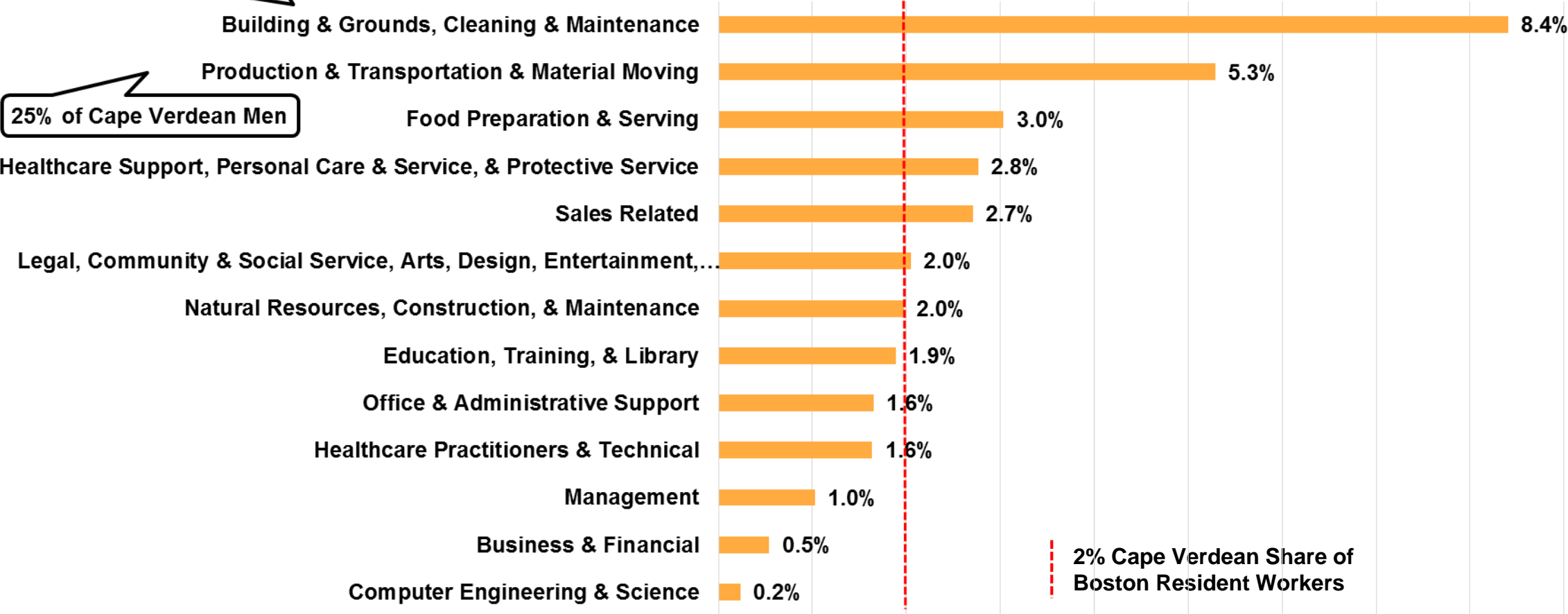
Cape Verdeans make up 8% of Boston residents working in Building and Grounds Cleaning and Maintenance.



21% of Cape Verdean Women

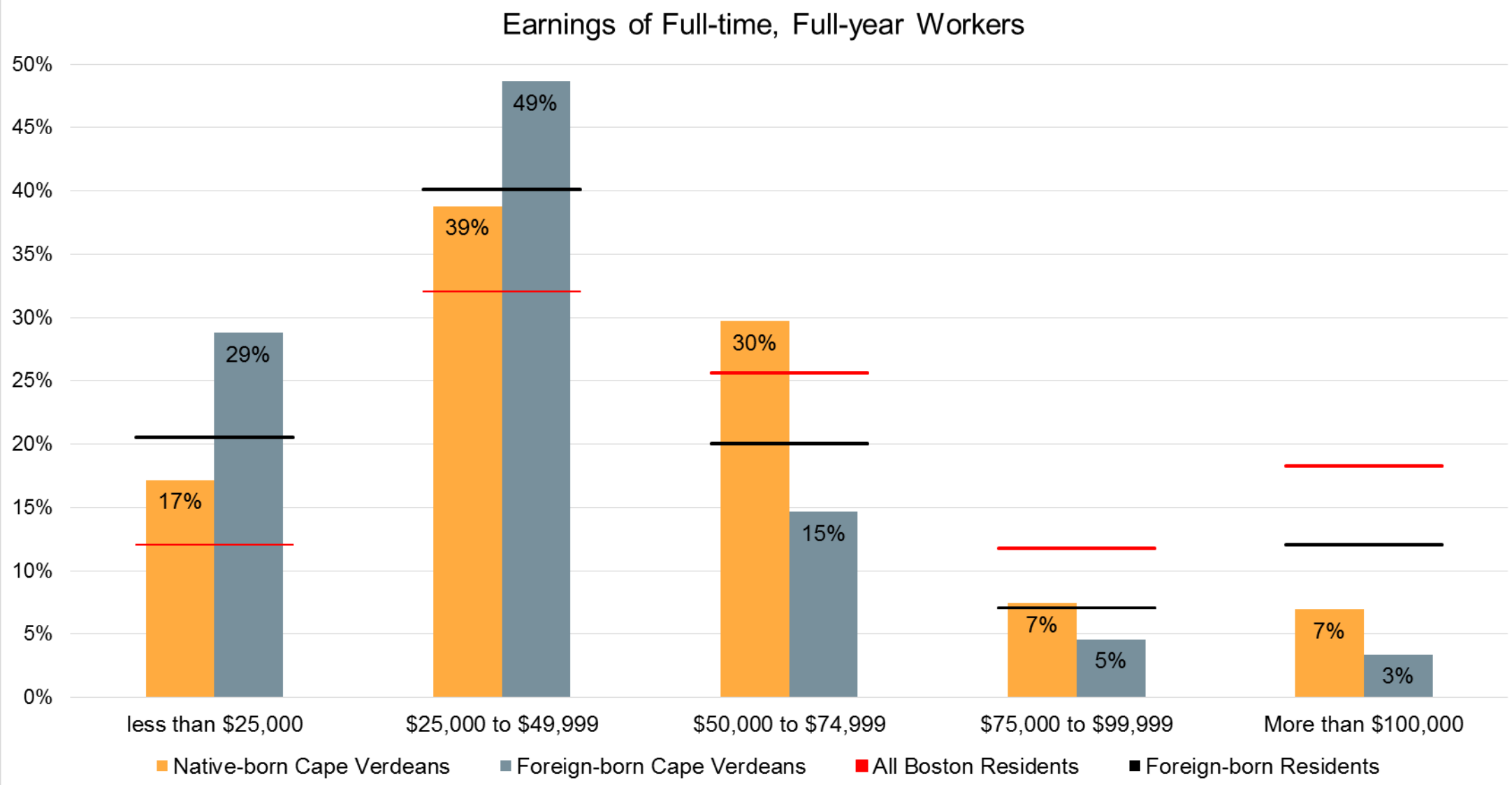
Cape Verdean Share of Occupations

25% of Cape Verdean Men



Source: U.S. Census Bureau, 2012-2016 ACS Community Survey, PUMS, BPDA Research Division.

Native-born Cape Verdean workers earn more than foreign-born Cape Verdean workers.

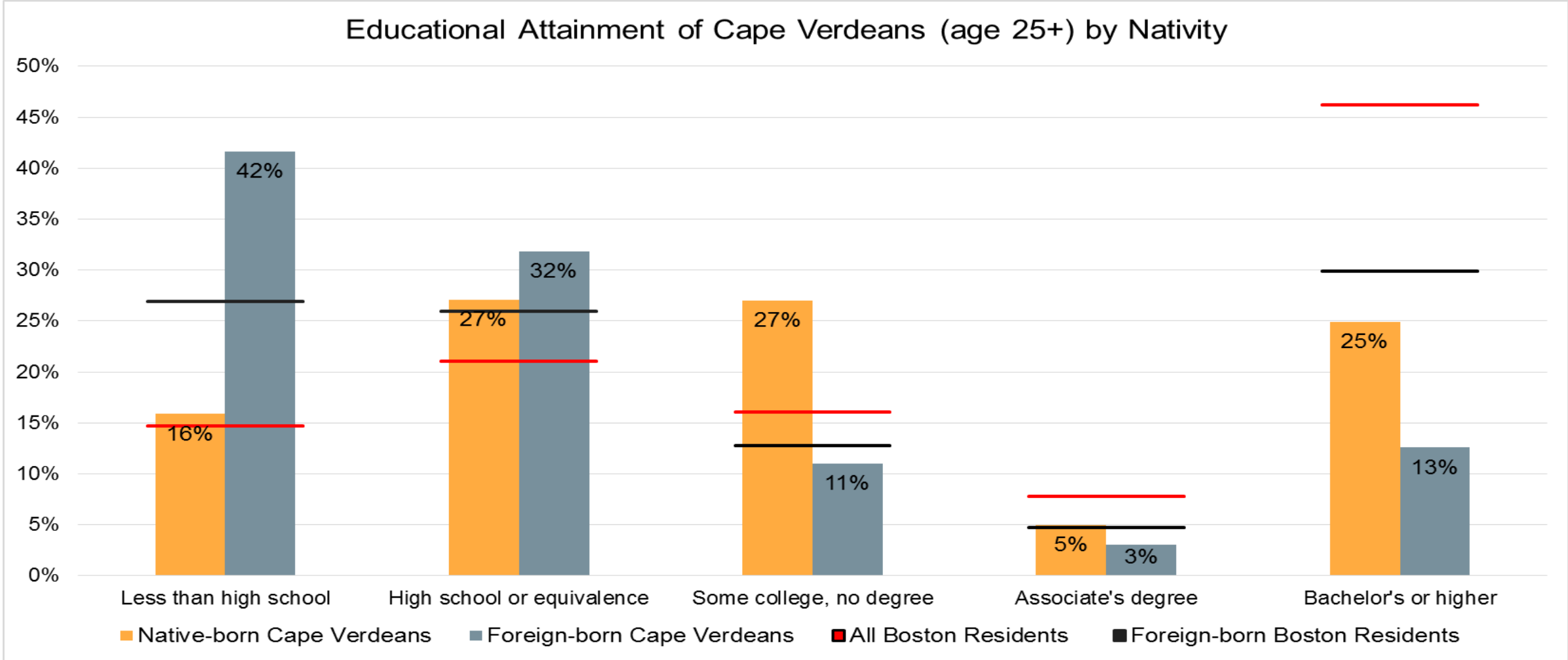


Source: U.S. Census Bureau, 2012-2016 ACS Community Survey, PUMS, BPDA Research Division.

Improving Cape Verdeans' educational attainment will allow greater contribution to Boston's economy.



42% of foreign-born Cape Verdeans have less than a high school education.
27% of native-born Cape Verdeans aged 25 or older started college, but have not finished a degree.



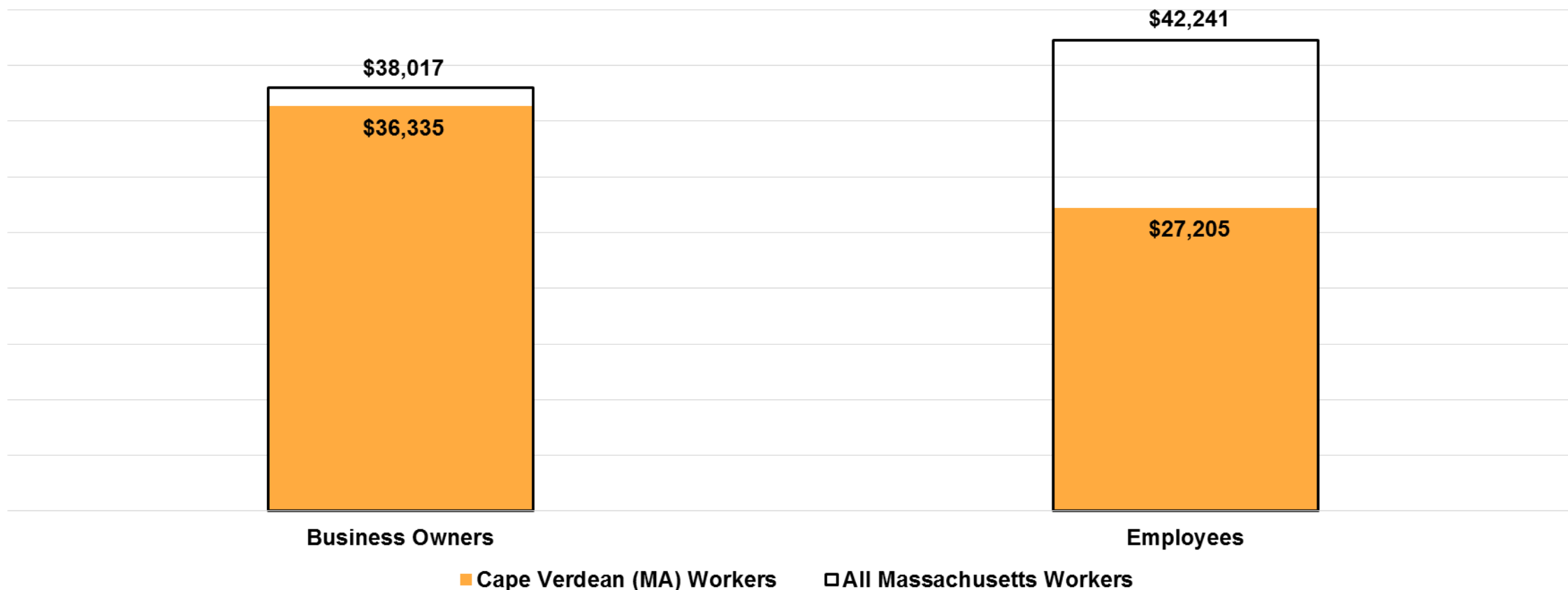
Source: U.S. Census Bureau, 2012-2016 ACS Community Survey, PUMS, BPDA Research Division.

Cape Verdean business owners earn more than their counterparts who are employees.



Self-employment is an effective route to economic mobility for Cape Verdeans, more so than for the general population, but only 1% of Cape Verdeans are business owners, compared to 6% of all Boston resident workers.

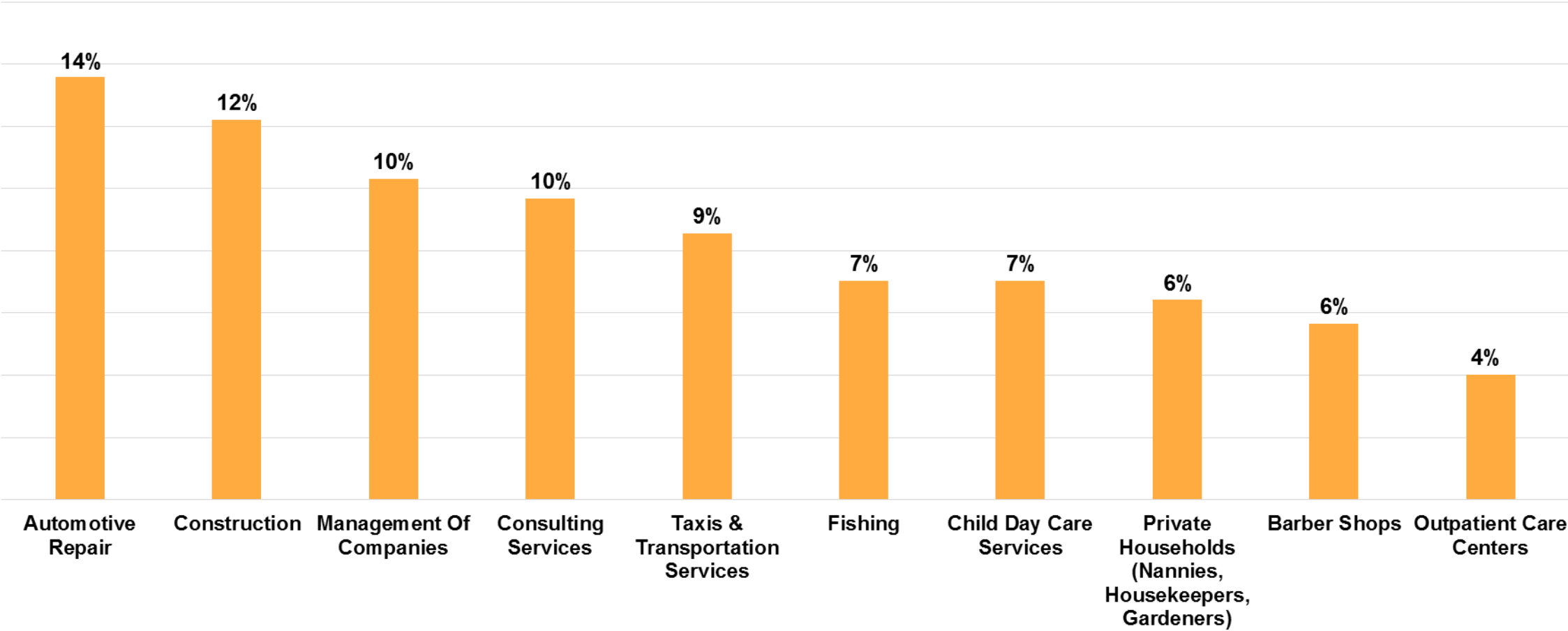
Median Earnings by Type of Work



Cape Verdean businesses tend to be small and concentrated in low-paying service industries.



Self-Employed Cape Verdeans (Massachusetts) by Top Industries

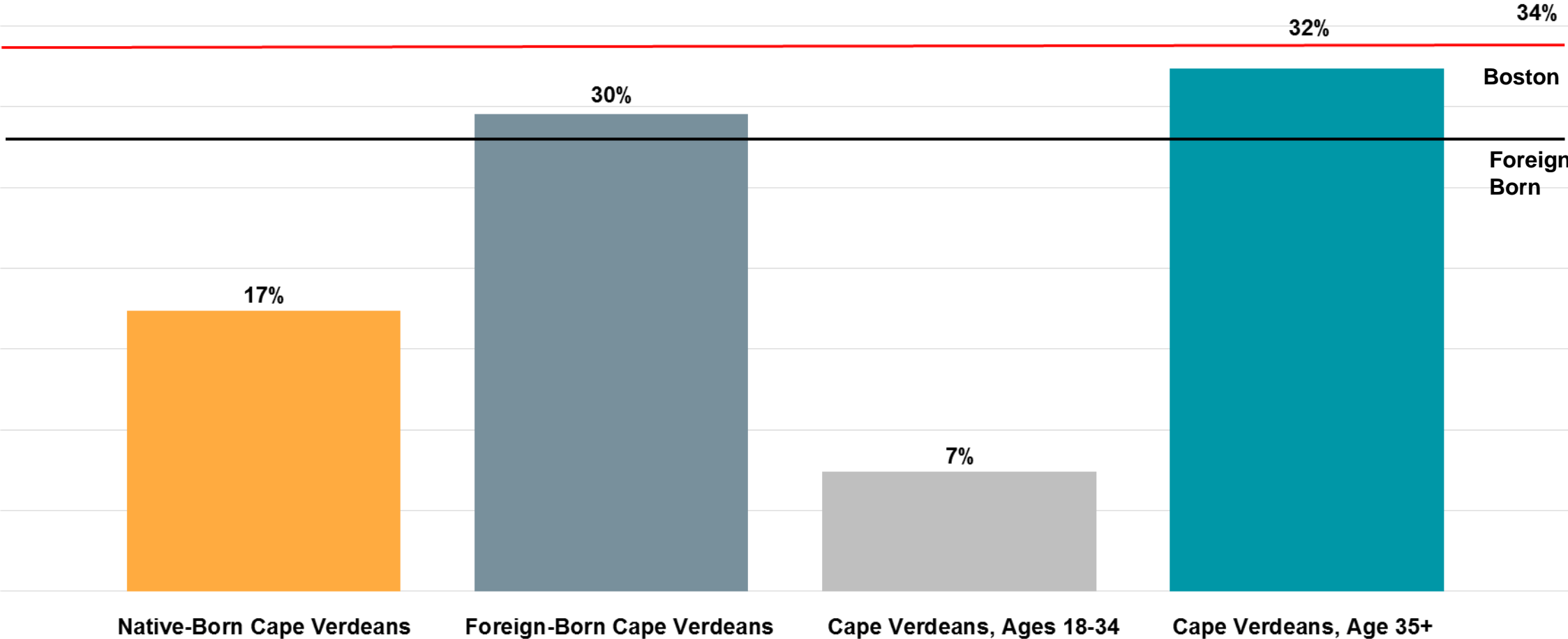


Source: U.S. Census Bureau, 2012-2016 ACS Community Survey, PUMS, BPDA Research Division.

Only 17% of native-born and 30% of foreign-born Cape Verdean householders own their homes.



Homeownership Rates by Nativity and Age of Householder



Source: U.S. Census Bureau, 2012-2016 ACS Community Survey, PUMS, BPDA Research Division.

Haitians



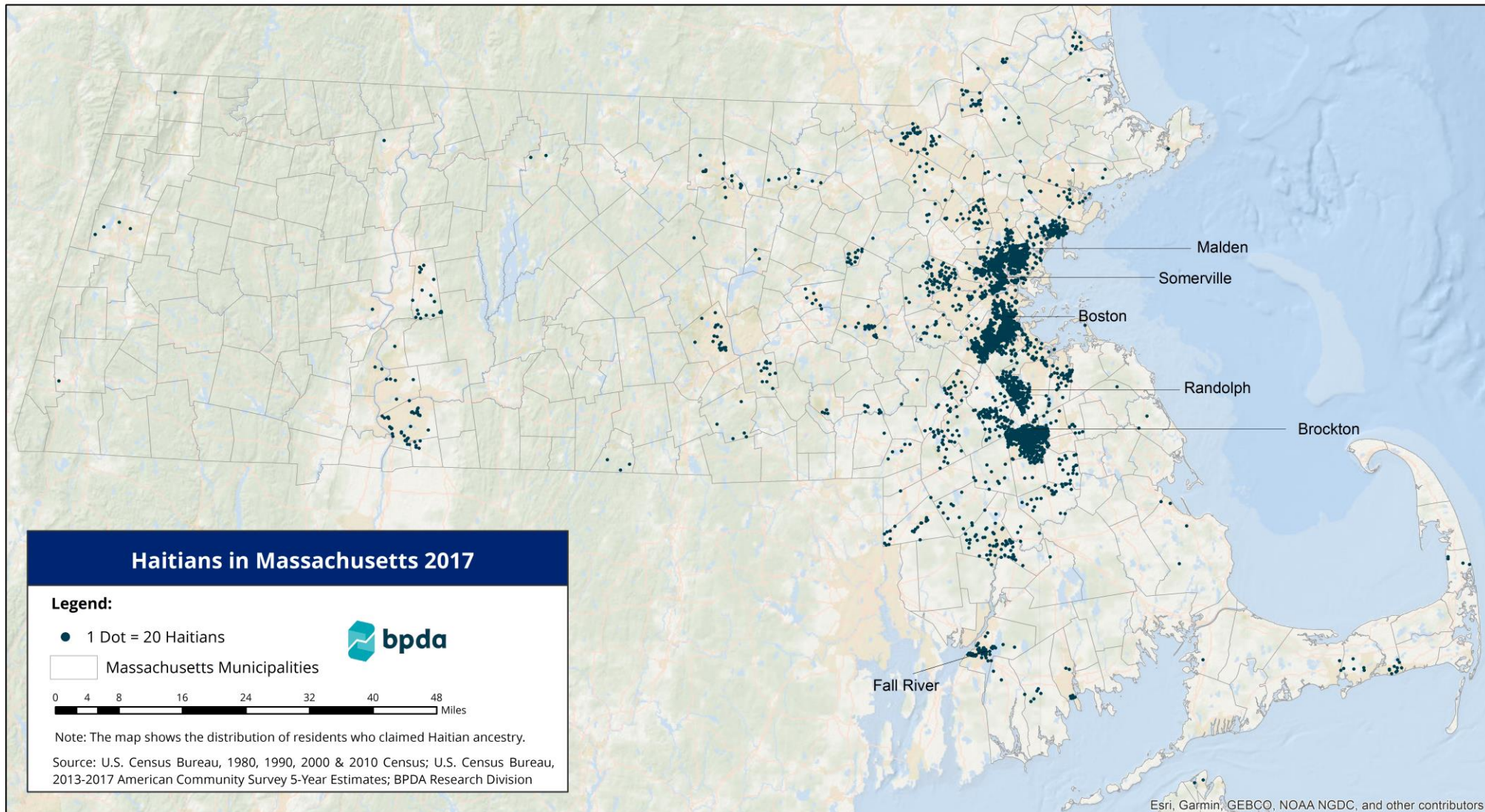
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Haitians' contribution to the economy as entrepreneurs and workers is significant.



- **Haitians, those who were born in Haiti or who identify as Haitian, make up 3.7% of Boston's population (24,955 people).**
- **Haitians living in Boston hold 12,219 jobs and own approximately 455 businesses.**
- **Haitians in Boston earned \$511 million in income in 2017.**
- **Haitians' consumer demand supported an additional 1,674 jobs and contributed \$256 million to Boston's gross city product in 2017.**
- **Haitians contributed \$26 million in state income taxes and \$8.4 million in state sales taxes in 2017.**

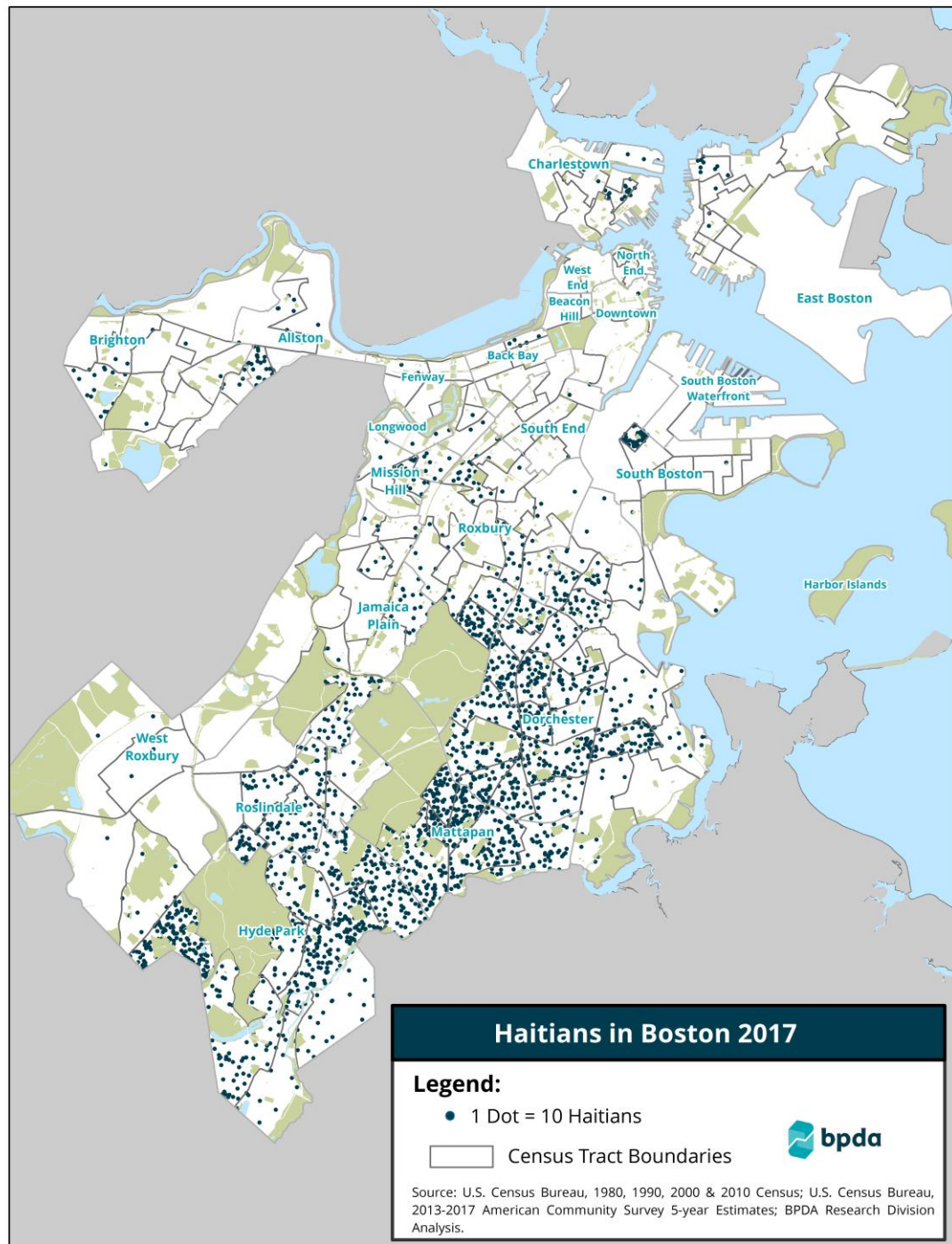
The 86,000 Haitians in Massachusetts live primarily in Boston, Somerville, Malden, Randolph, and Brockton.



Haitians in Boston



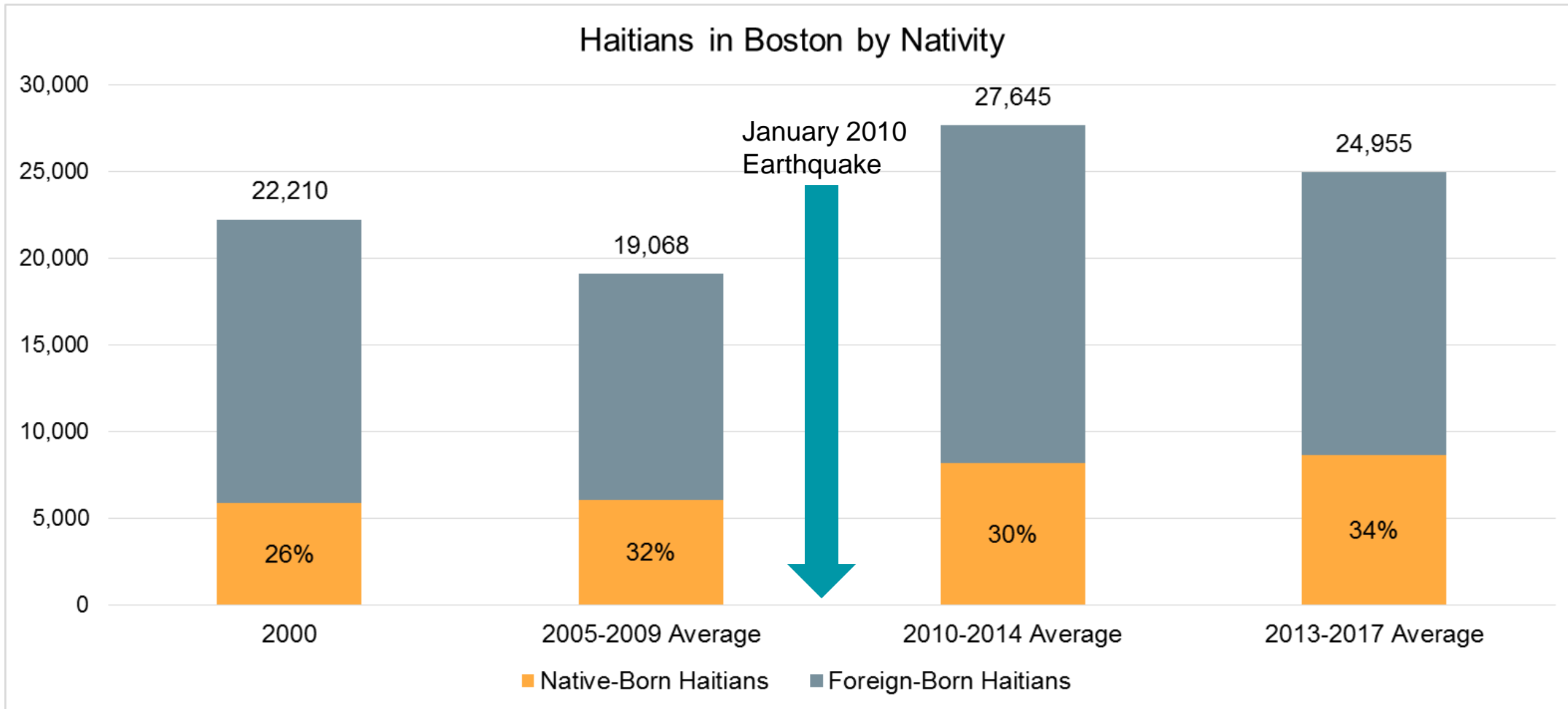
Haitians in Boston live predominantly in parts of Mattapan and Dorchester.



The Haitian population of Boston grew in the aftermath of the 2010 earthquake in Haiti.



“Native-born” Haitians were typically born in the United States and are U.S. citizens from birth.
“Foreign-born” Haitians were typically born in Haiti, but 54% are naturalized U.S. citizens.

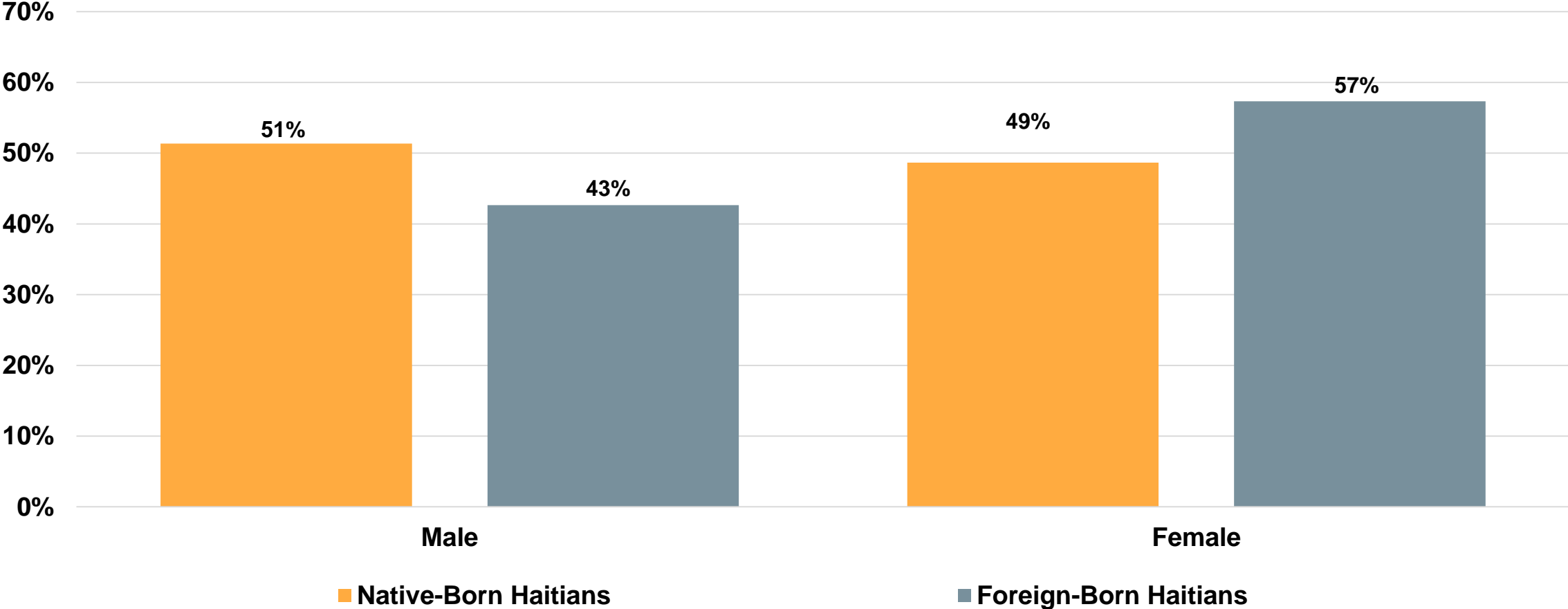


Source: U.S. Census Bureau, 2000 Decennial Census, 2005-2009, 2010-2014 & 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

More than half of the Boston Haitian population is female.



Haitians by Gender and Nativity

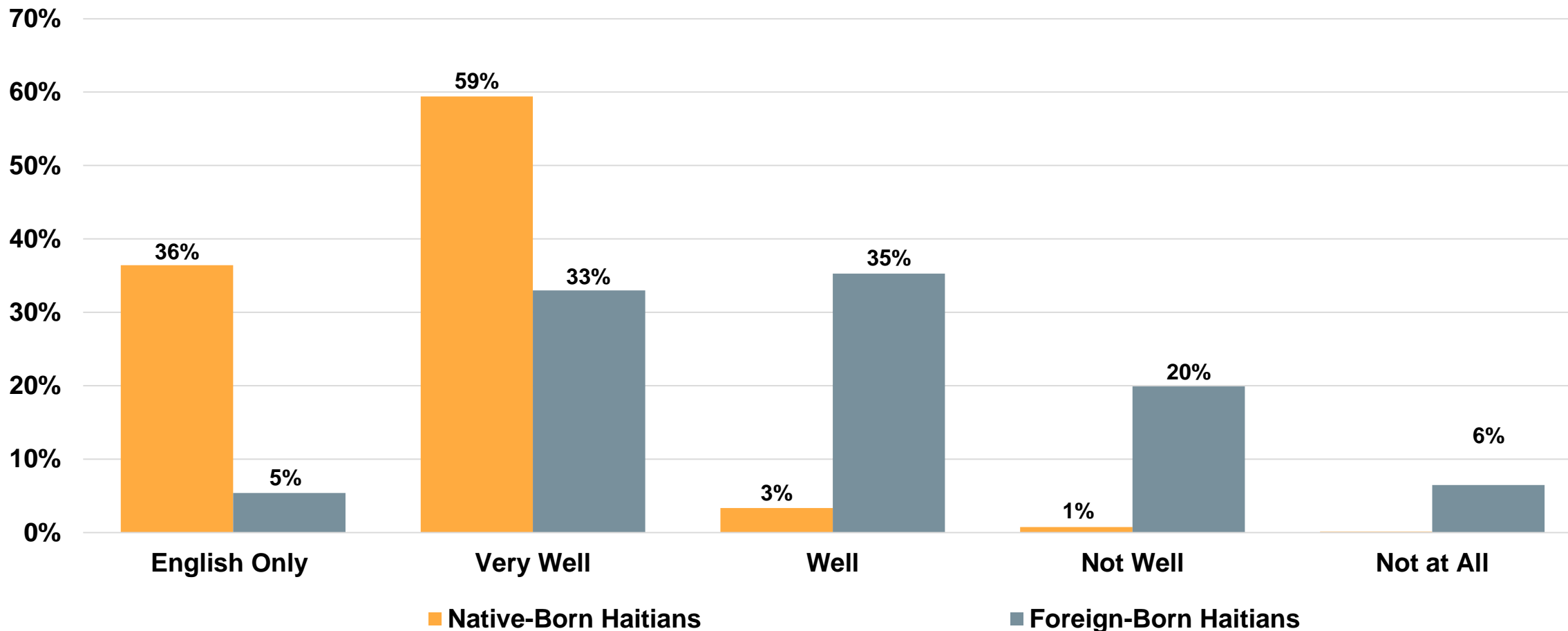


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

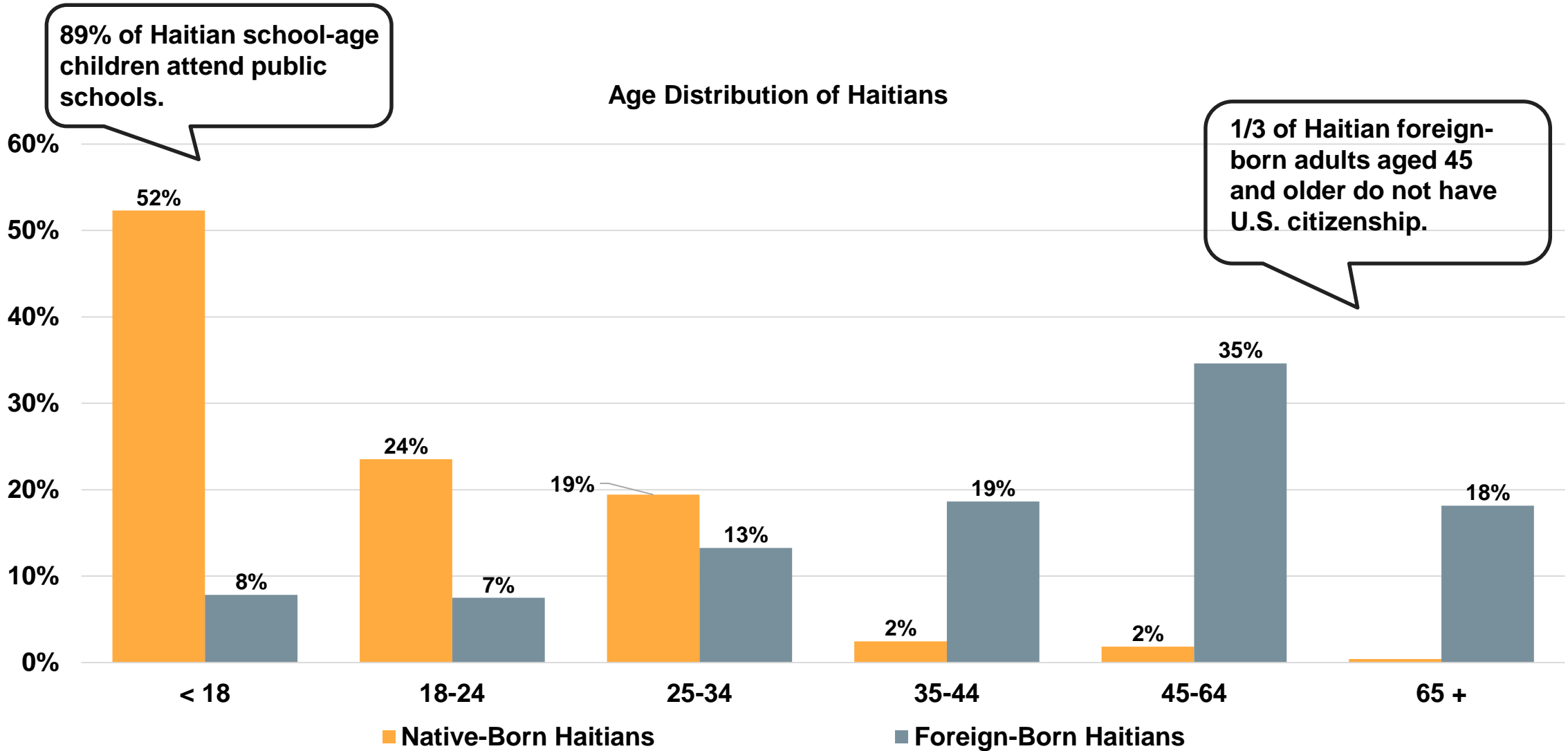
Native-born Haitians speak English very well, while many foreign-born Haitians are not proficient in English.



English Proficiency of Haitians by Nativity



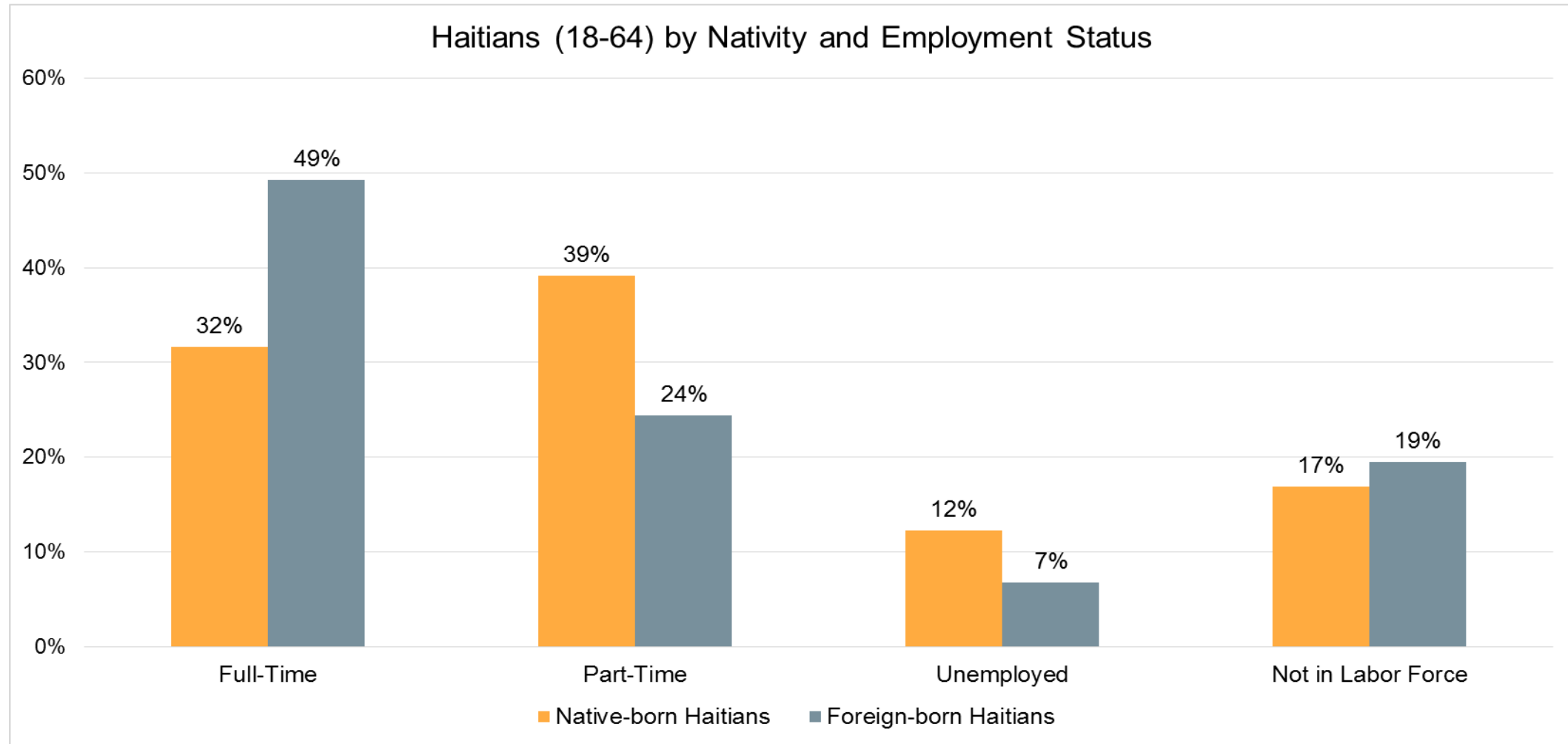
Half of foreign-born Haitians are older than 45, while half of native-born Haitians are children.



81% of adult Haitians are in the labor force, and 45% work full-time.



Of those adult Haitians not working full-time, 30% are enrolled in school.



Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

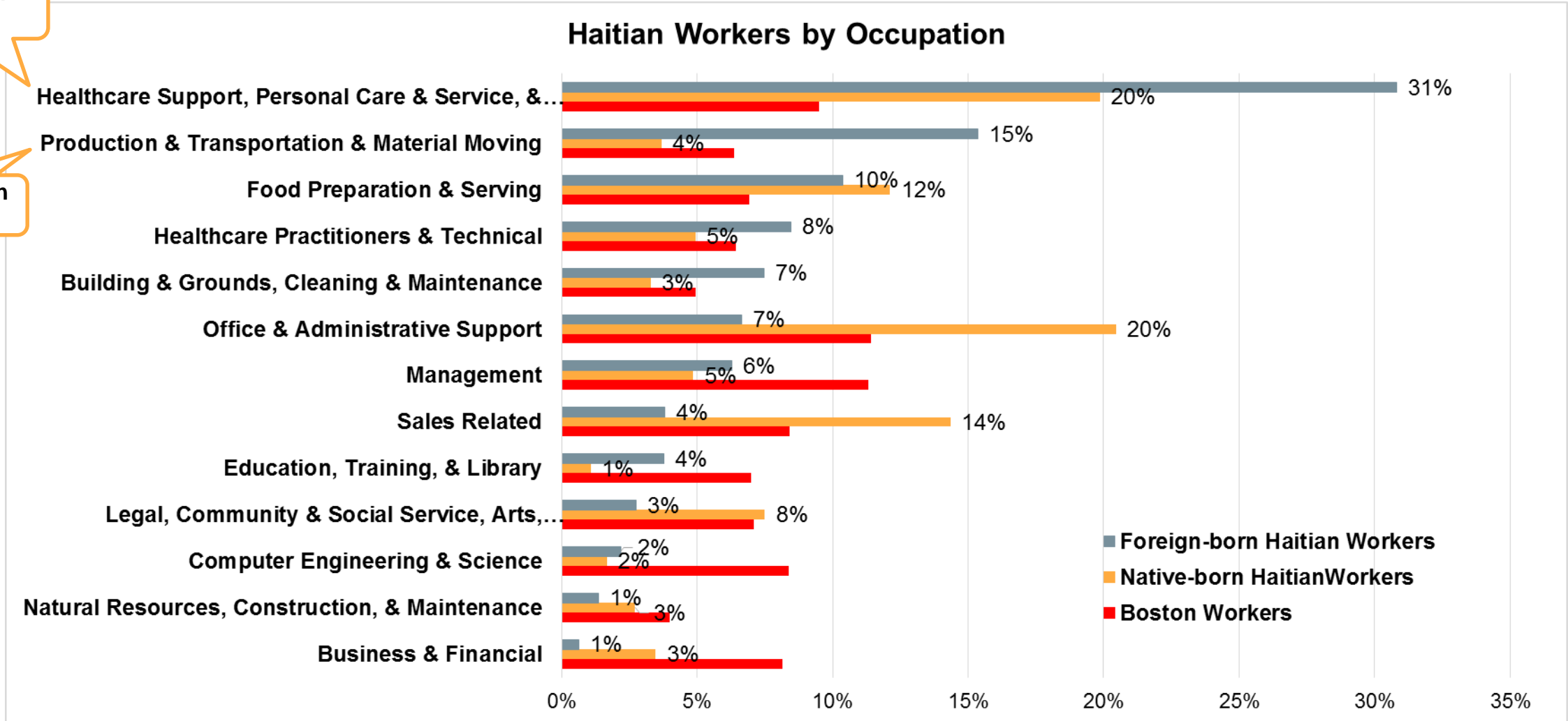
Note: The "unemployment rate" from the ACS is not comparable to the monthly citywide unemployment rate from the Bureau of Labor Statistics.

28% of Haitians work in Healthcare Support, Personal Care, and Protective Services.



41% of Haitian Women

23% of Haitian Men

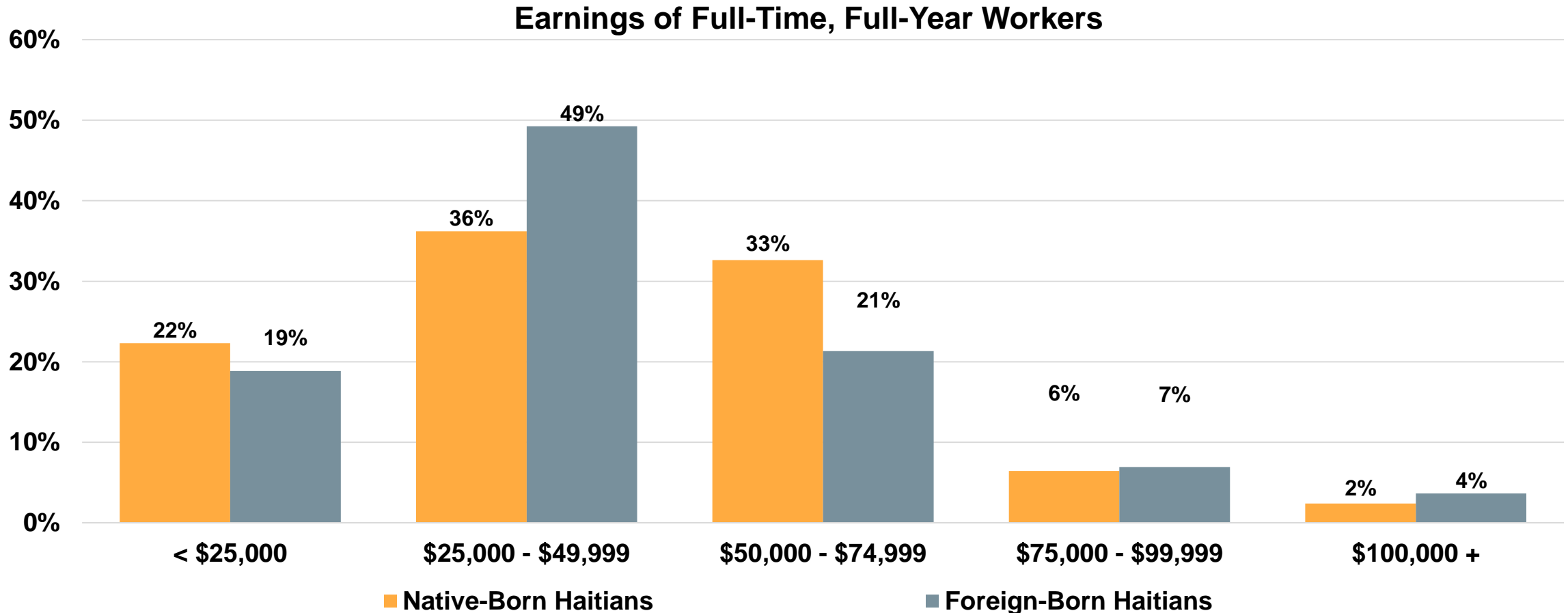


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Note: Healthcare support includes medical & dental assistants & home health aides and similar jobs. Personal care includes service workers such as hairdressers & childcare workers. Protective services includes police officers and security guards.

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41% of native-born and 32% of foreign-born Haitian workers earn more than \$50,000 per year.



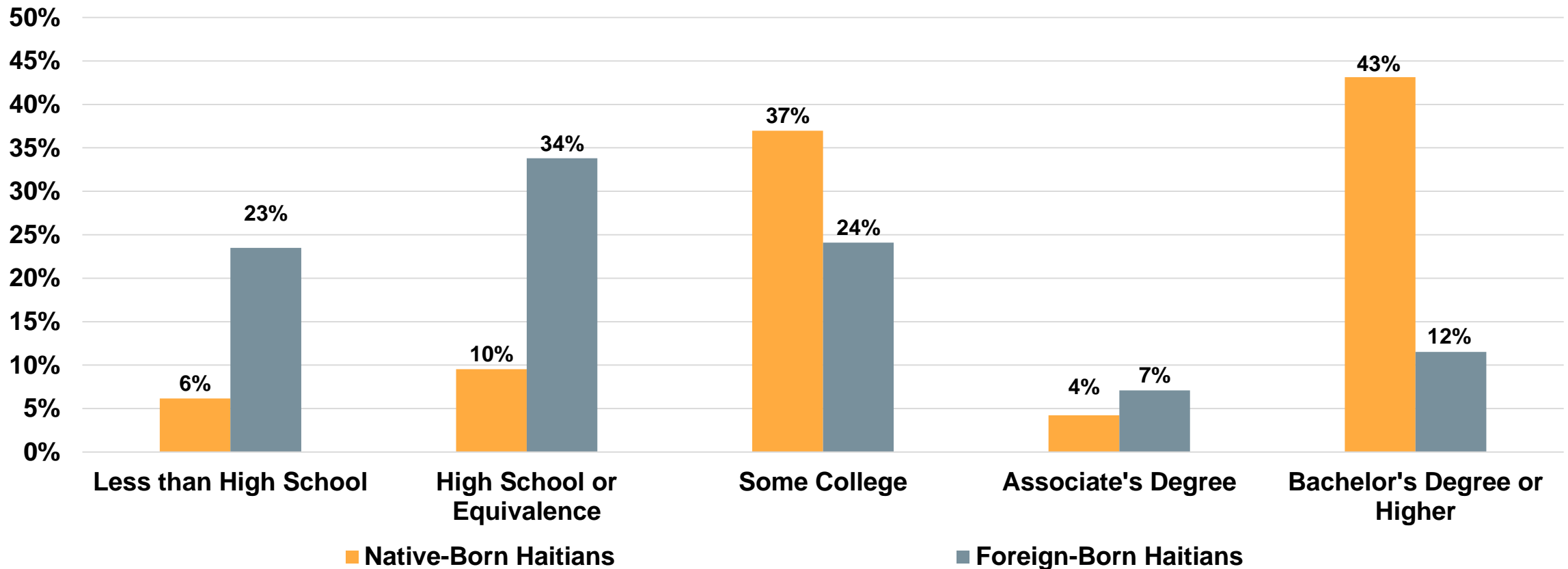
Improving Haitians' educational attainment will allow greater contribution to Boston's economy.



23% of foreign-born Haitians have less than a high school education.

37% of native-born Haitians aged 25 or older started college, but have not finished a degree.

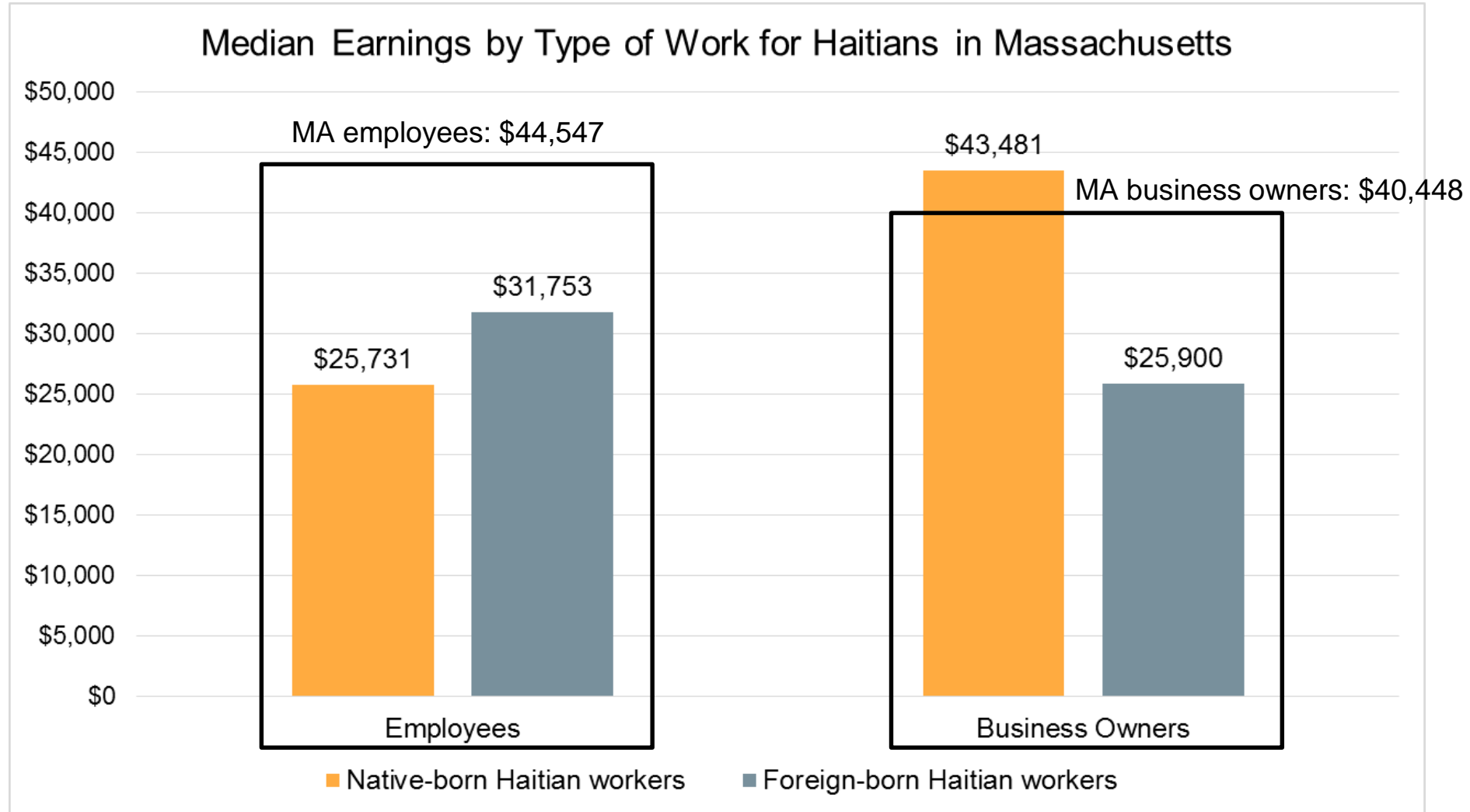
Educational Attainment of Haitians by Nativity (Age 25+)



Foreign-born Haitians earn more as employees than as business owners, but the reverse is true for native-born Haitians.



4% of employed Haitians in Boston are business owners, compared to 6% of all Boston resident workers.

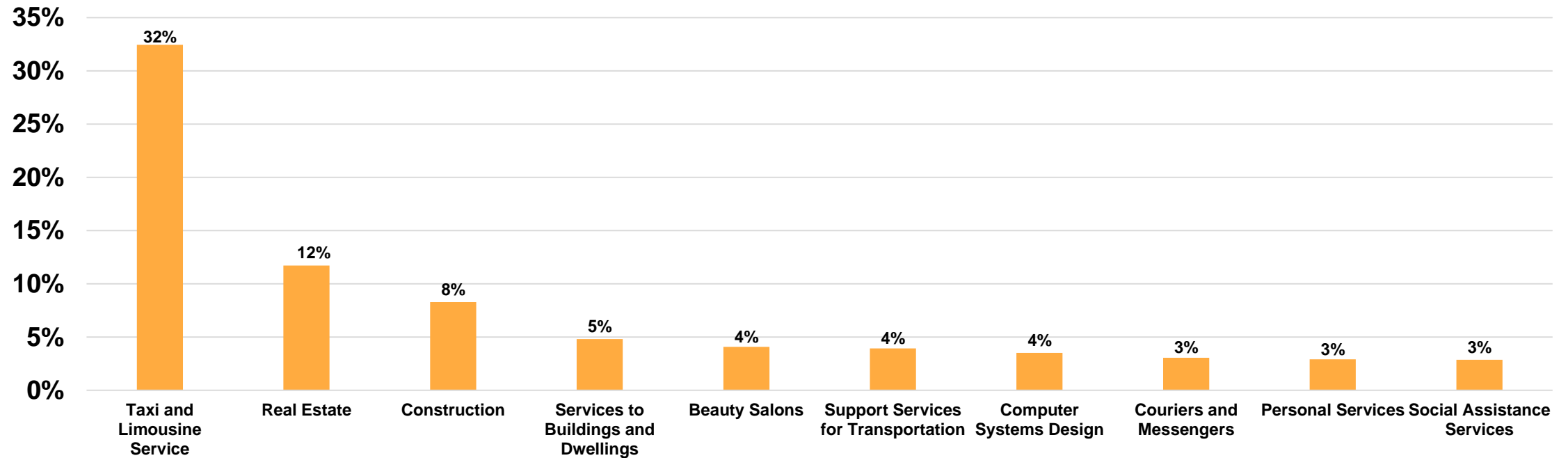


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.
Note: Massachusetts data are used due to small sample size in Boston.

Haitian businesses are concentrated in taxi and limousine services.



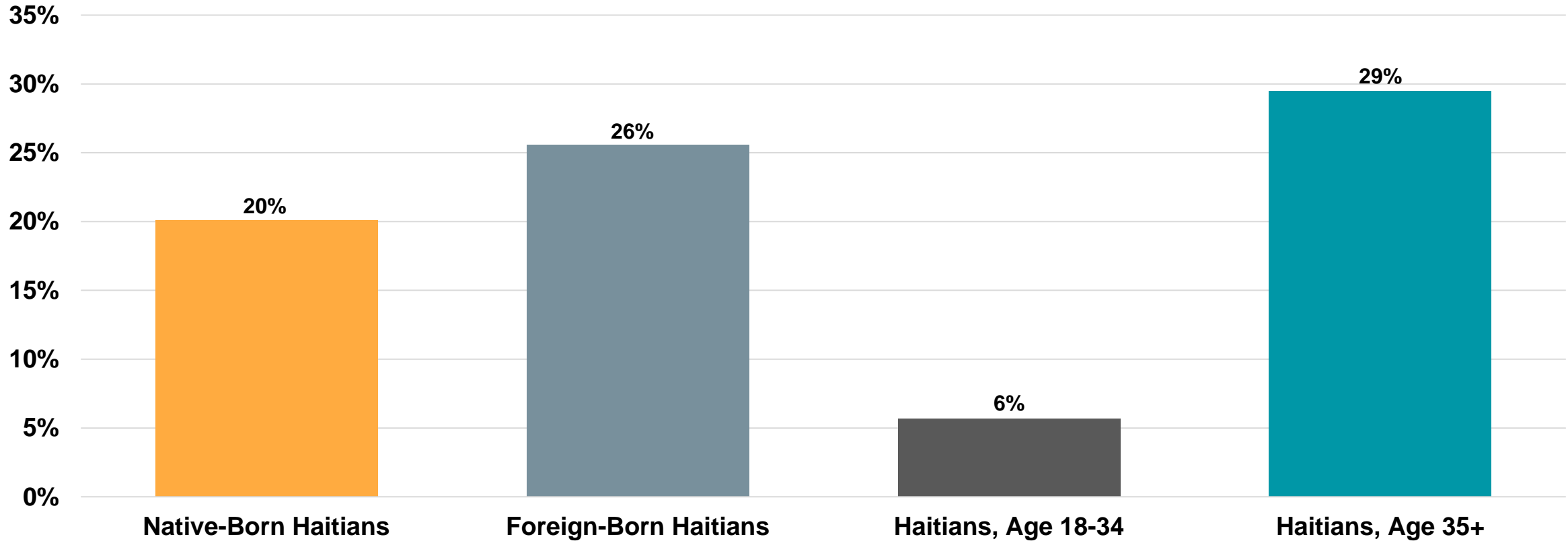
Self-Employed Haitians (Massachusetts) by Top Industries



Only 20% of native-born and 26% of foreign-born Haitian householders own their homes, compared to 35% of all Boston householders.



Homeownership Rate





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Dominicans



B

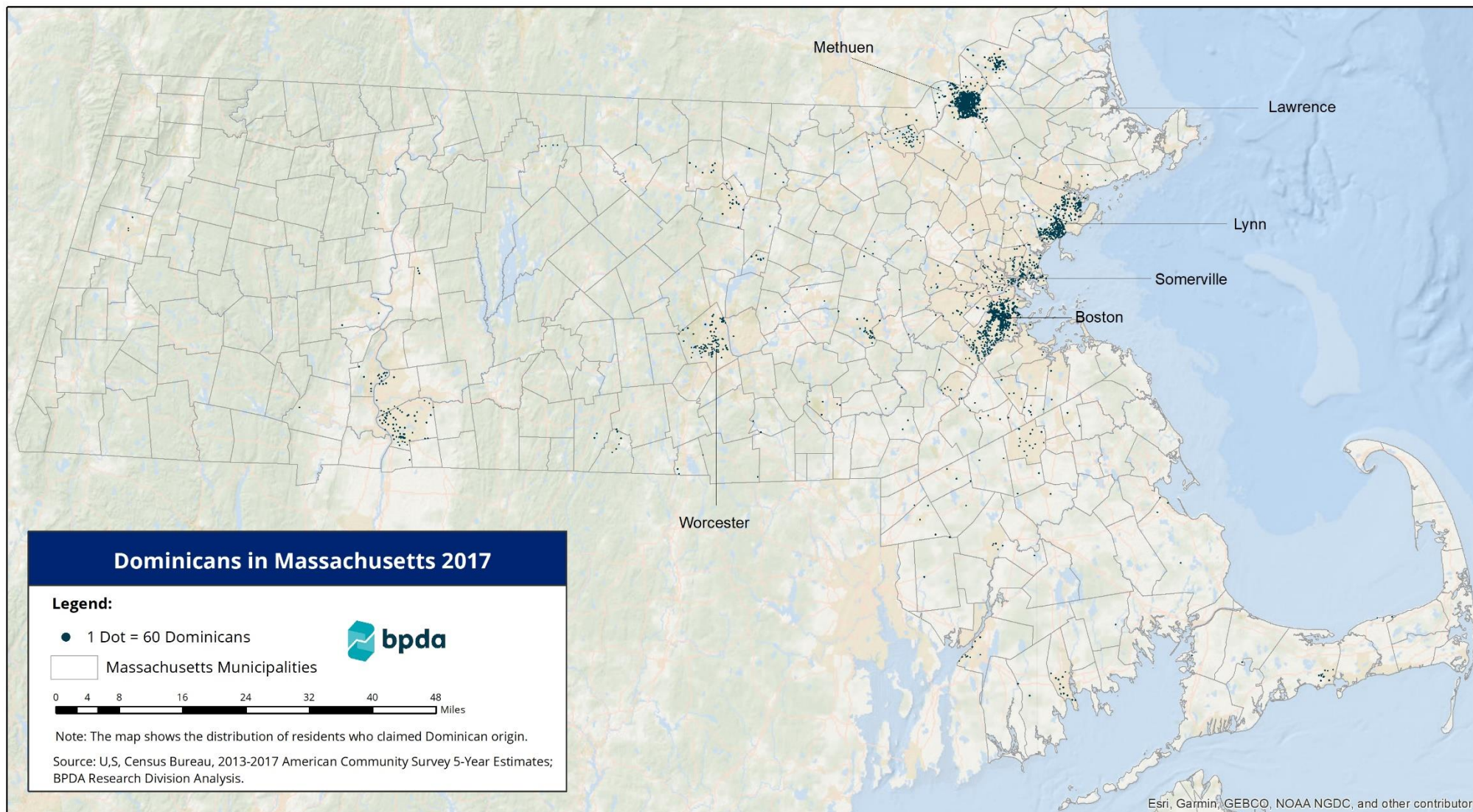
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Dominicans' contribution to the economy as workers and entrepreneurs is significant.



- **Dominicans (people who were born in the Dominican Republic or who identify as having Dominican ancestry) make up 6% of Boston's population (37,576 people).**
- **Dominicans living in Boston hold 16,360 jobs and own approximately 551 businesses.**
- **Dominicans in Boston earned \$403 million in income in 2016.**
- **Dominicans' consumer demand supported an additional 1,320 jobs and contributed \$202.2 million to Boston's gross city product in 2016.**
- **Dominicans contributed \$20.5 million in state income taxes and \$6.7 million in state sales taxes in 2016.**

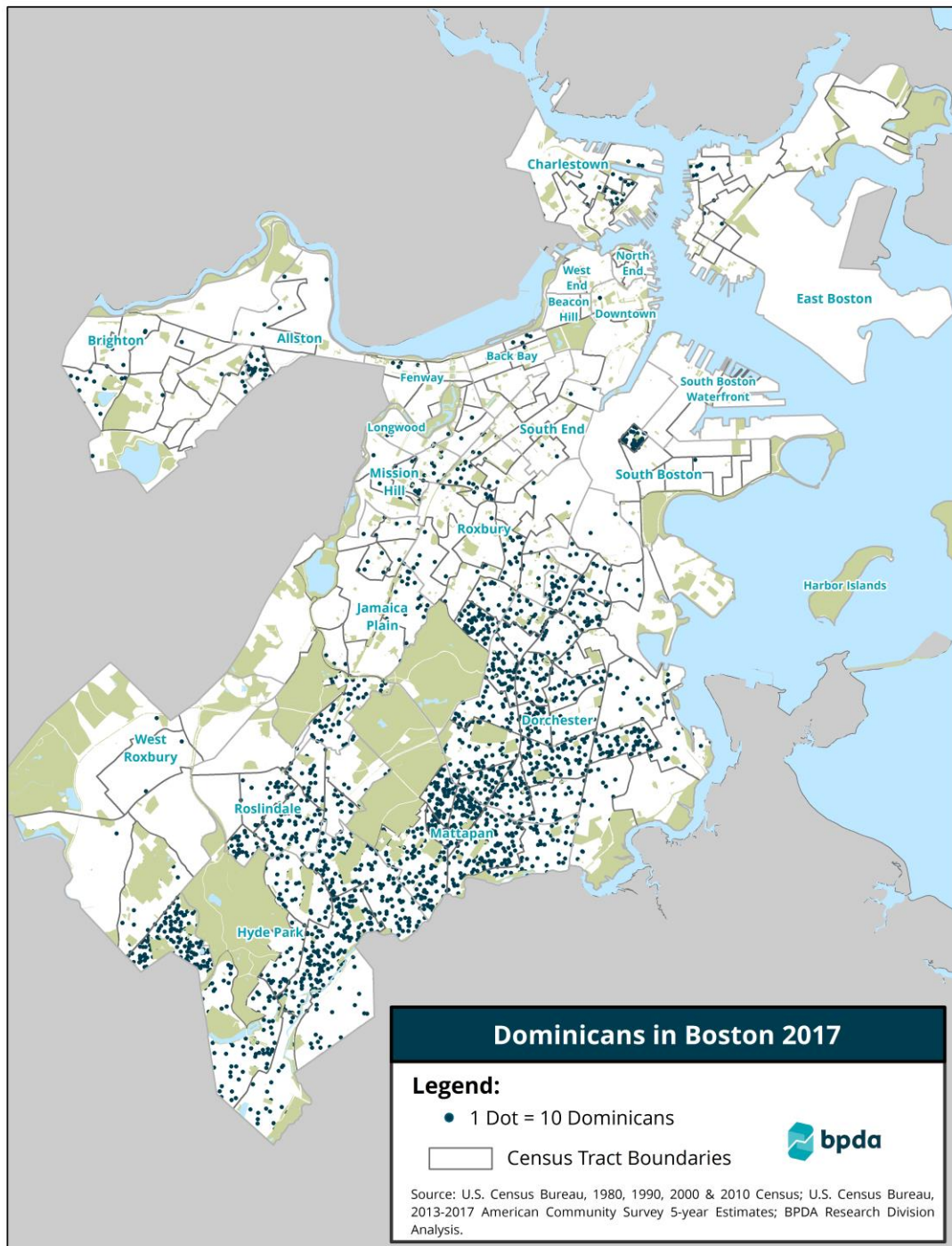
The 103,000 Dominicans in Massachusetts live primarily in Boston, Somerville, Lynn, Lawrence and Worcester.



Dominicans in Boston



Dominicans in Boston live predominantly in parts of Mattapan and Dorchester.

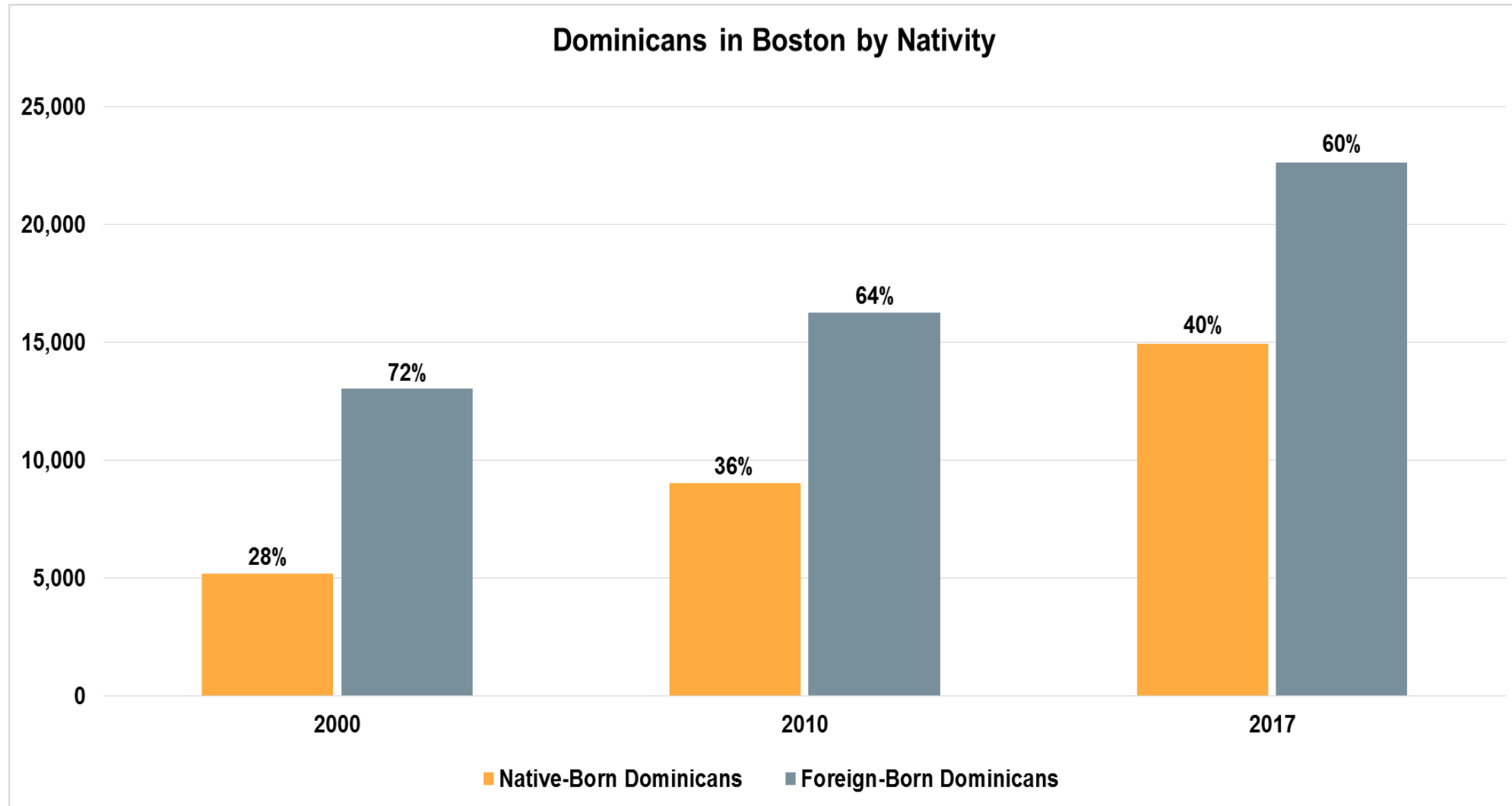


The Dominican community of Boston has more than doubled since 2000 and the native-born share has increased to 40%.

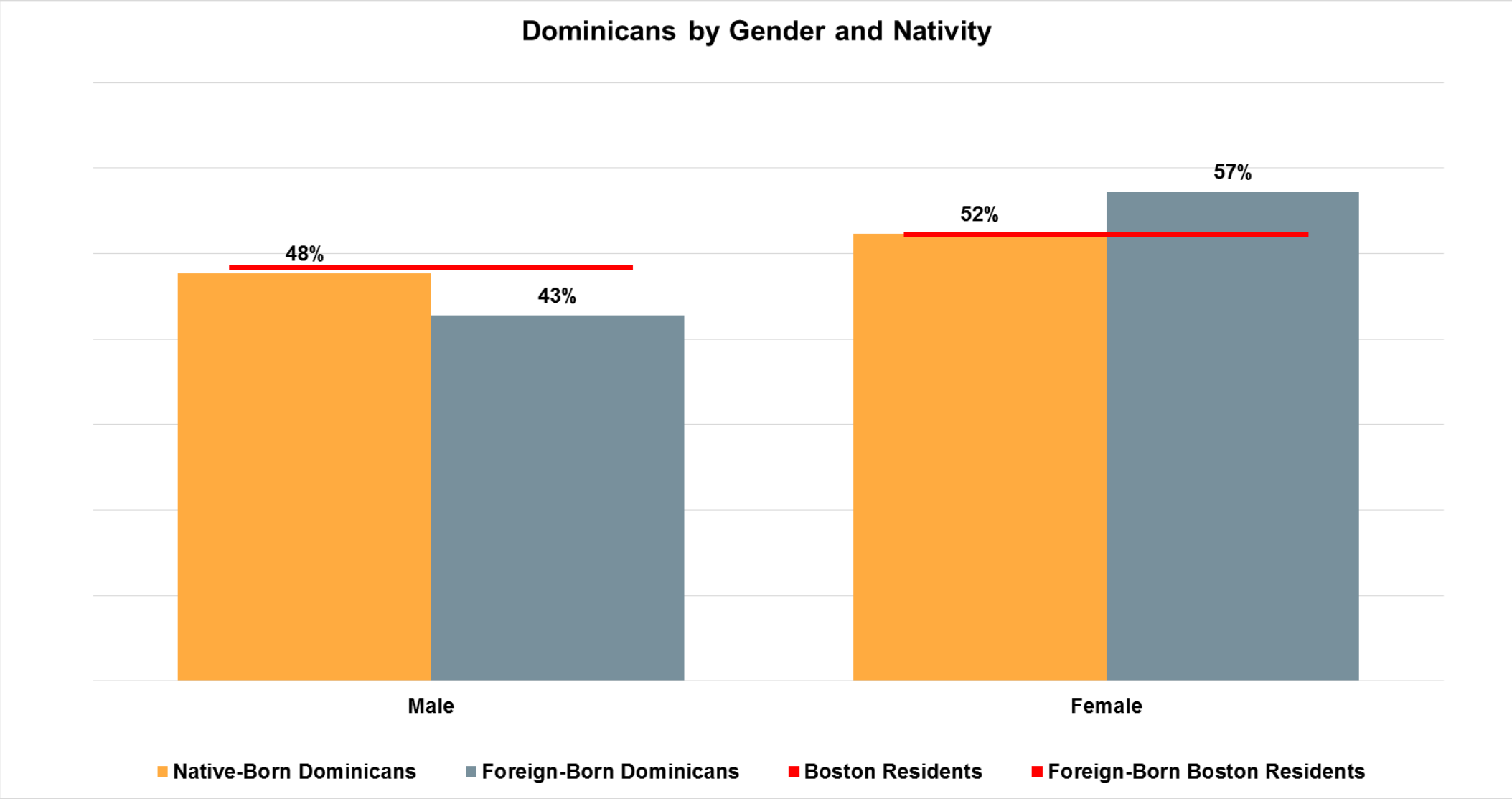


“Native-born”
Dominicans were typically born in the United States and have U.S. citizenship from birth.

“Foreign-born”
Dominicans were typically born in the Dominican Republic but may be naturalized U.S. citizens.



57% of the foreign-born Dominican population is female.

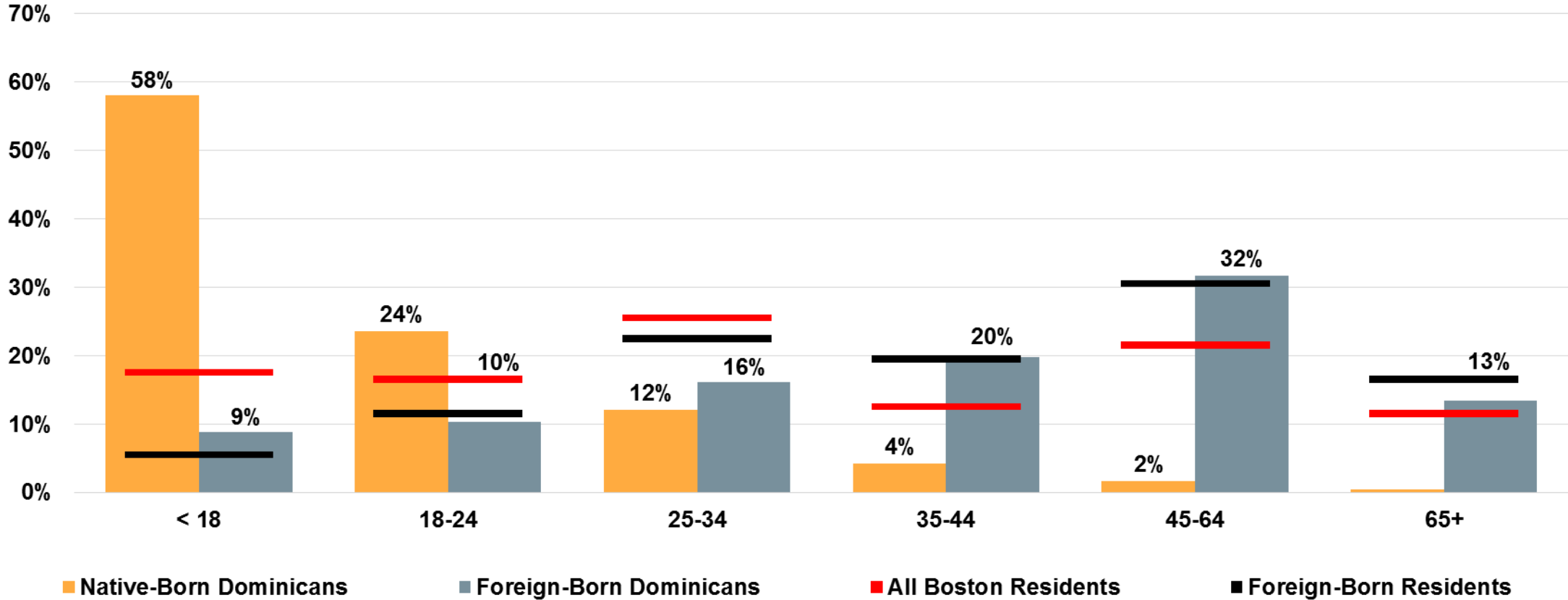


Source: U.S. Census Bureau, 2000 Decennial Census, 2006-2010 & 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

45% of foreign-born Dominicans are older than 45, while 58% of native-born Dominicans are children.



Age Distribution of Dominicans

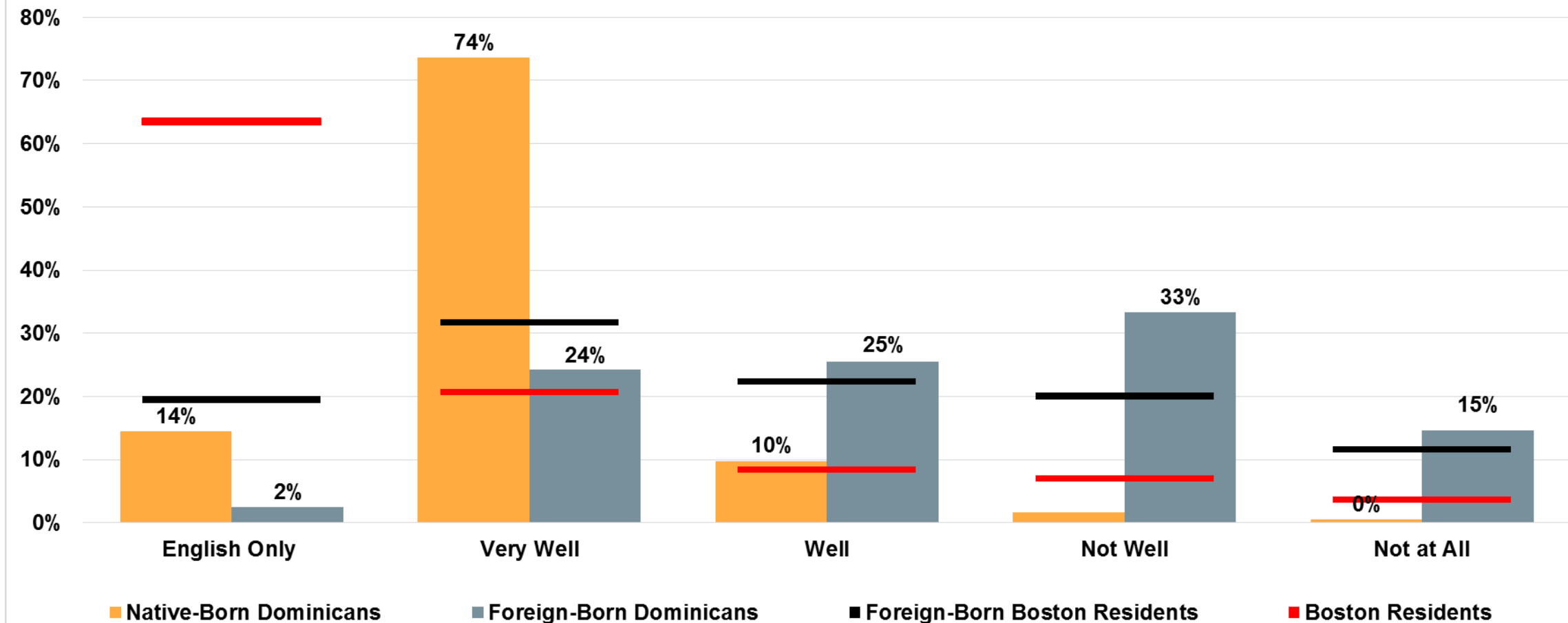


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Native-born Dominicans speak English very well, while many foreign-born Dominicans are not proficient in English.



English Proficiency of Dominicans by Nativity

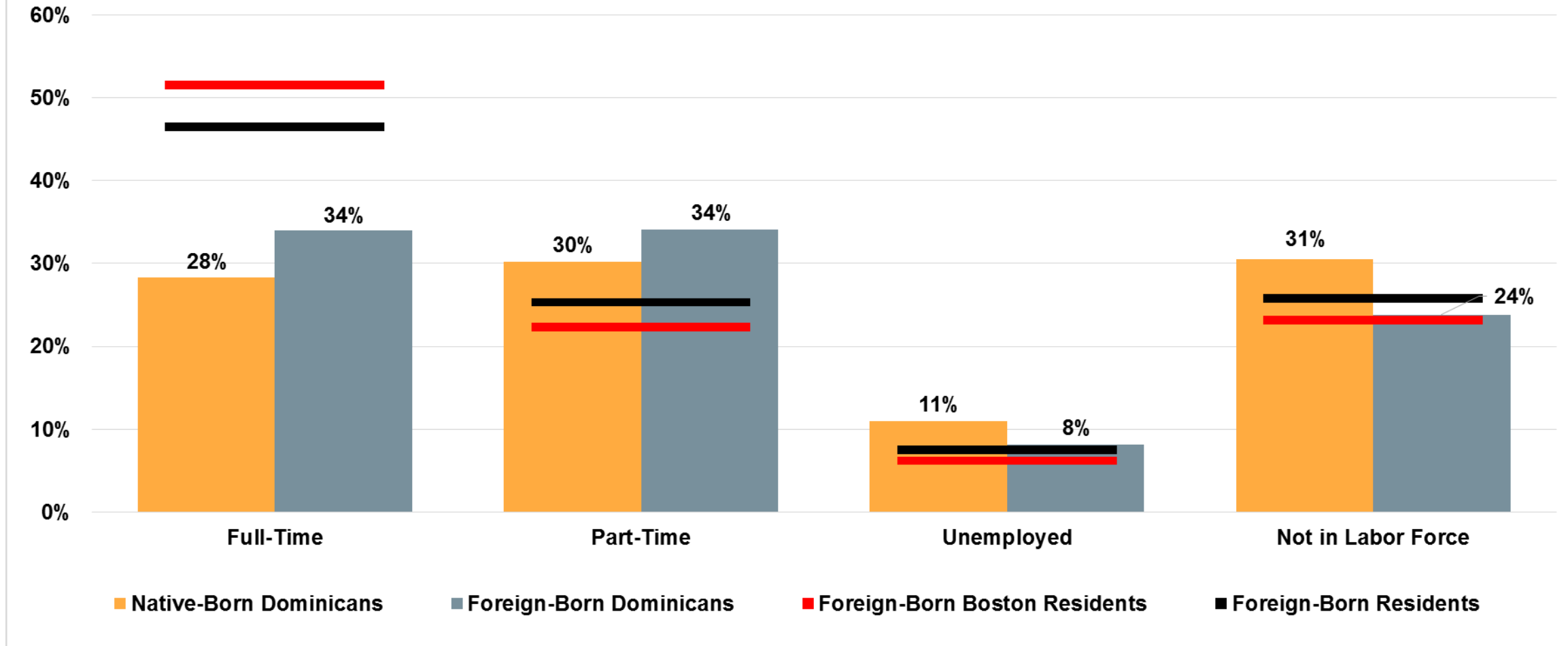


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

About 1/3 of adult Dominicans work full-time.



Employment Type (18-64 Years)



Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.
Note: Unemployment in the 5-year ACS is not comparable to the monthly citywide unemployment rate given by the Bureau of Labor Statistics.

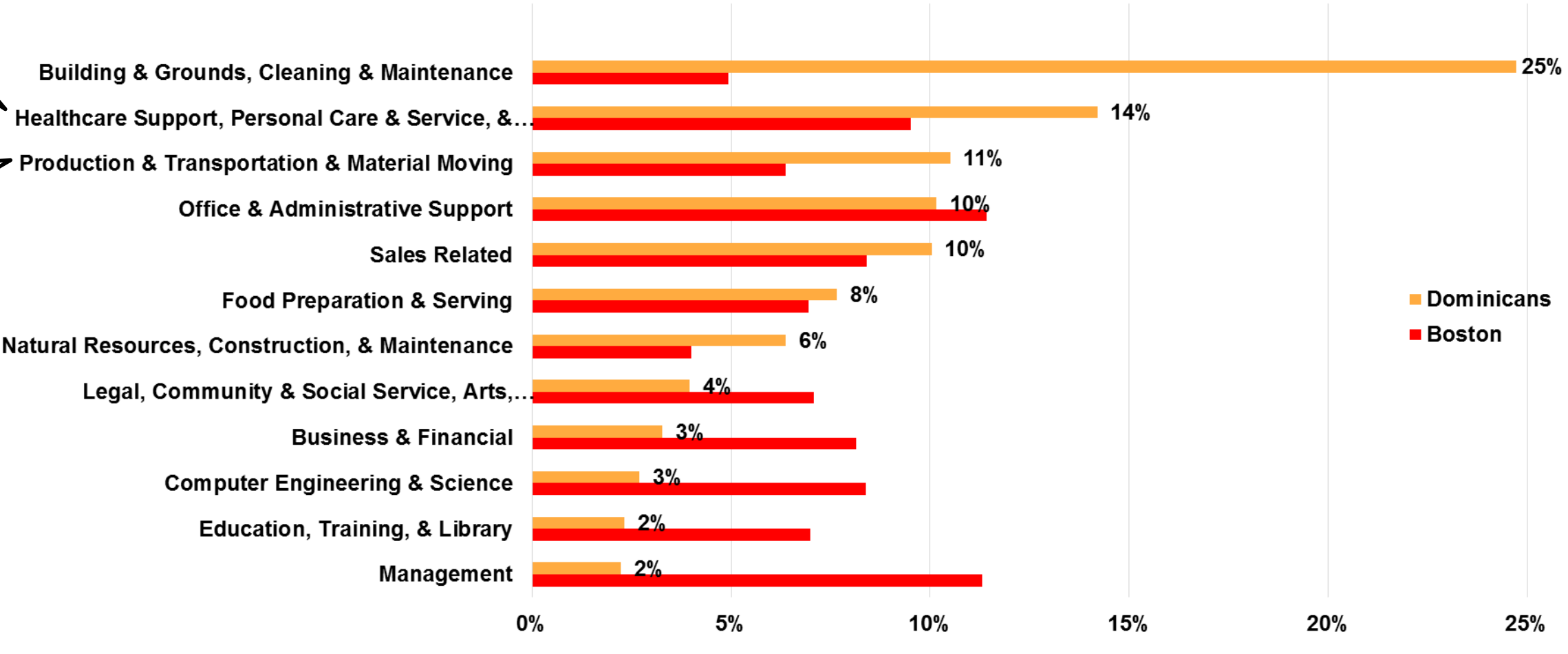
25% of Dominican workers (men and women) work in cleaning and maintenance occupations.



Dominican Workers by Occupation

19% of Dominican women

18% of Dominican men

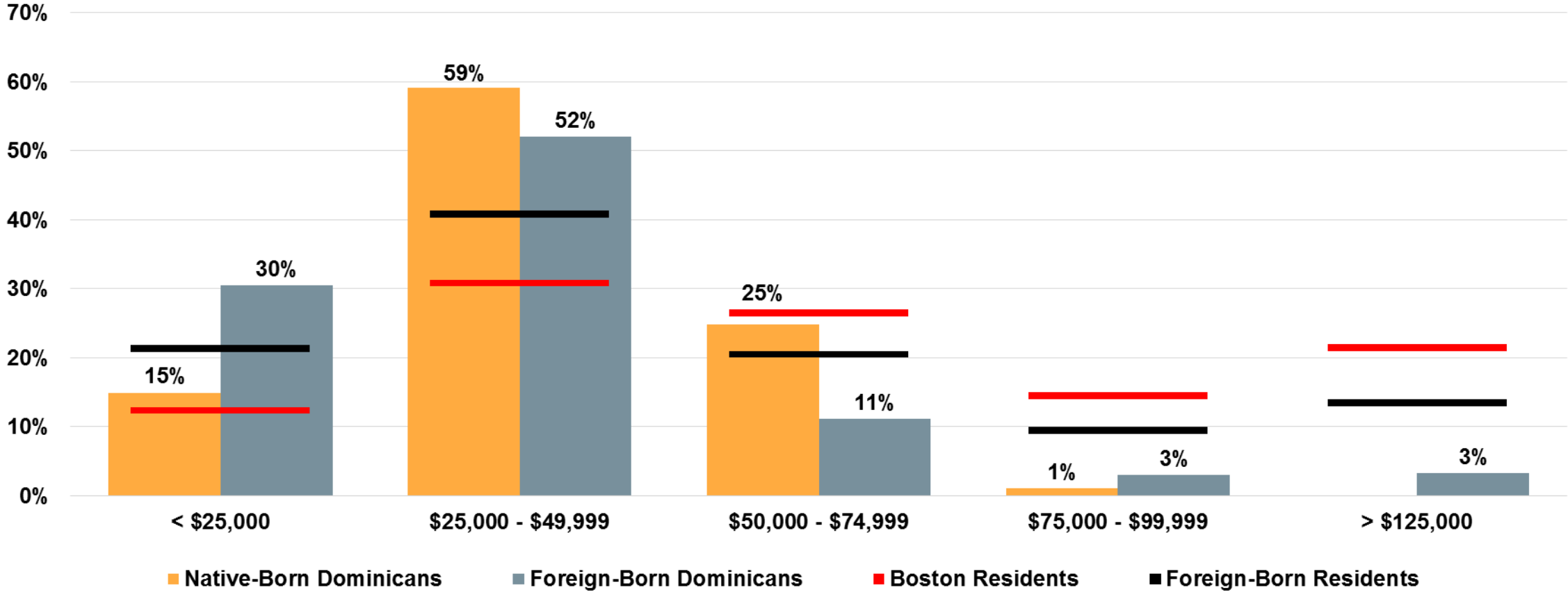


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Native-born Dominicans workers earn more than foreign-born workers, 30% of whom earn less than \$25,000/year.



Earnings of Full-Time, Full-Year Workers



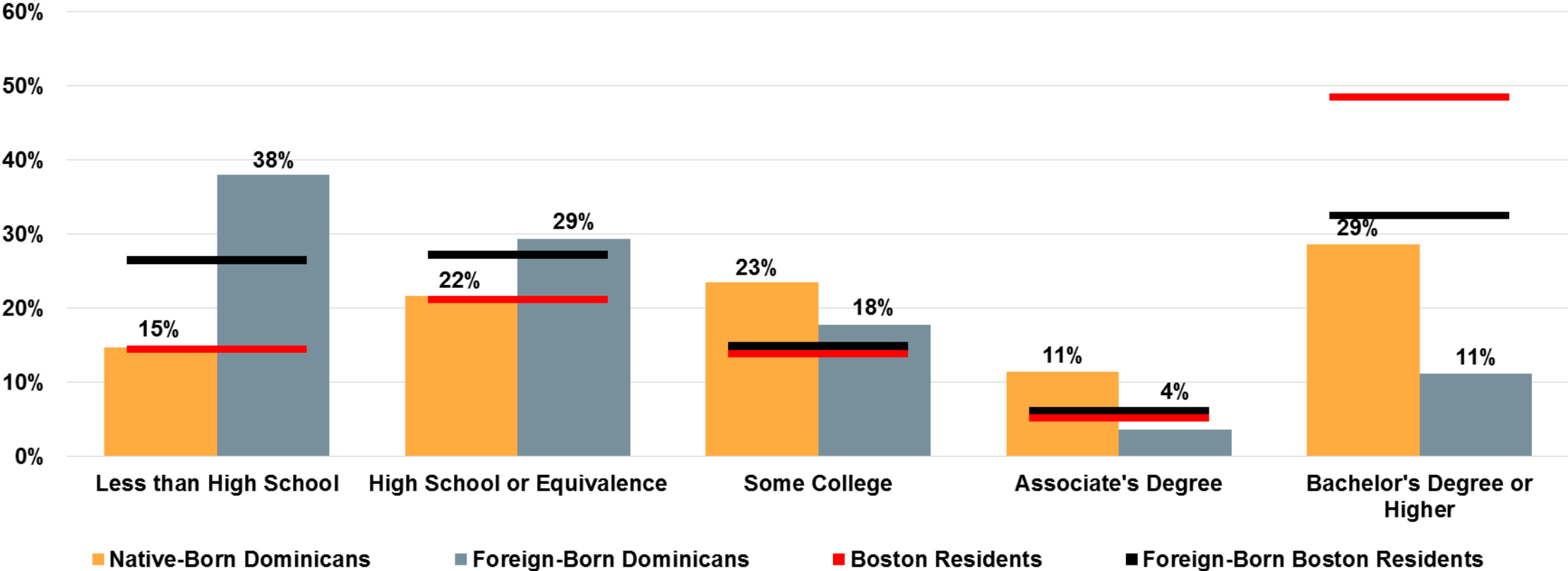
Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Improving Dominicans' educational attainment will allow greater contribution to Boston's economy.



38% of foreign-born Dominicans have less than a high school education.
23% of native-born Dominicans aged 25 or older started college, but have not finished a degree.

Educational Attainment of Dominicans by Nativity (Age 25+)



Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Dominican business owners earn about the same as their counterparts who are employees.



3% of employed Dominicans in Boston are business owners, compared to 6% of all employed Boston residents.

Median Earnings by Type of Work

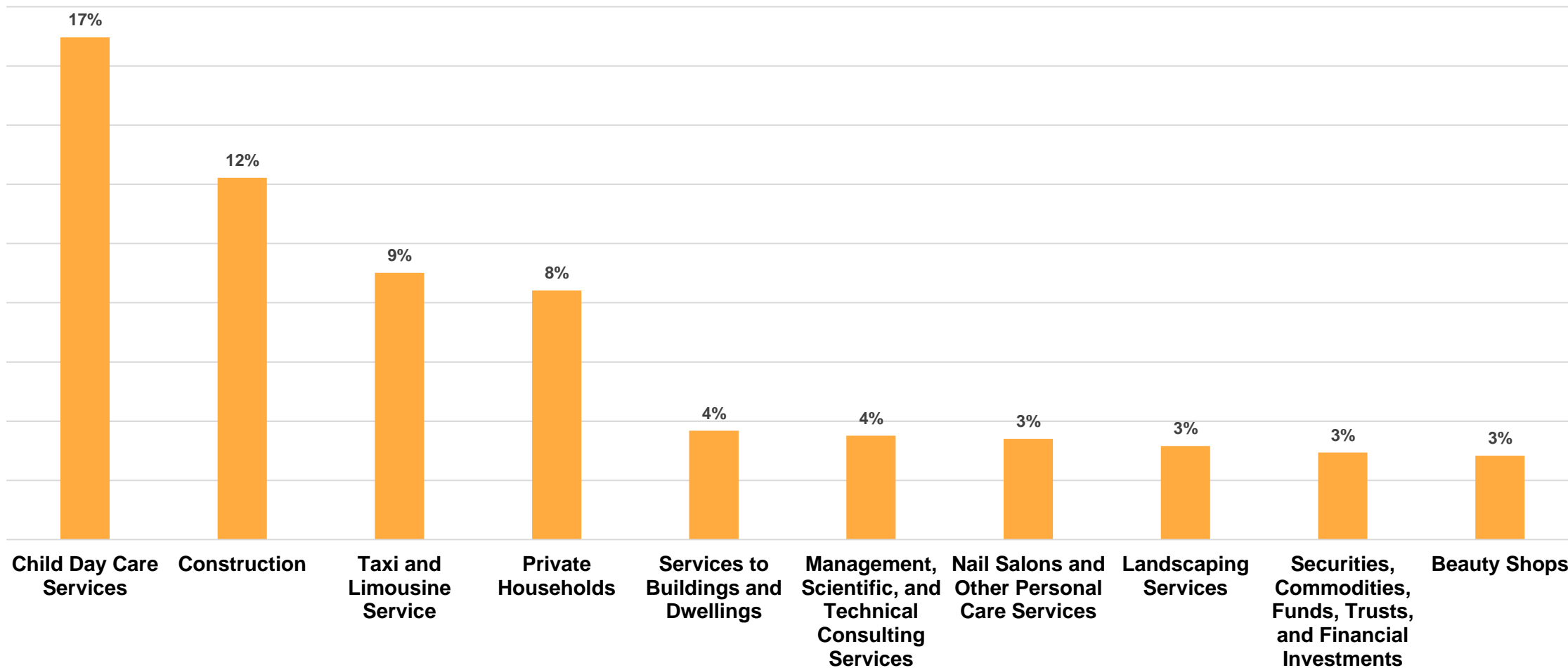


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.
Note: Massachusetts data are used due to small sample size in Boston.

A third of self-employed Dominicans in Massachusetts drive taxis or limousines.

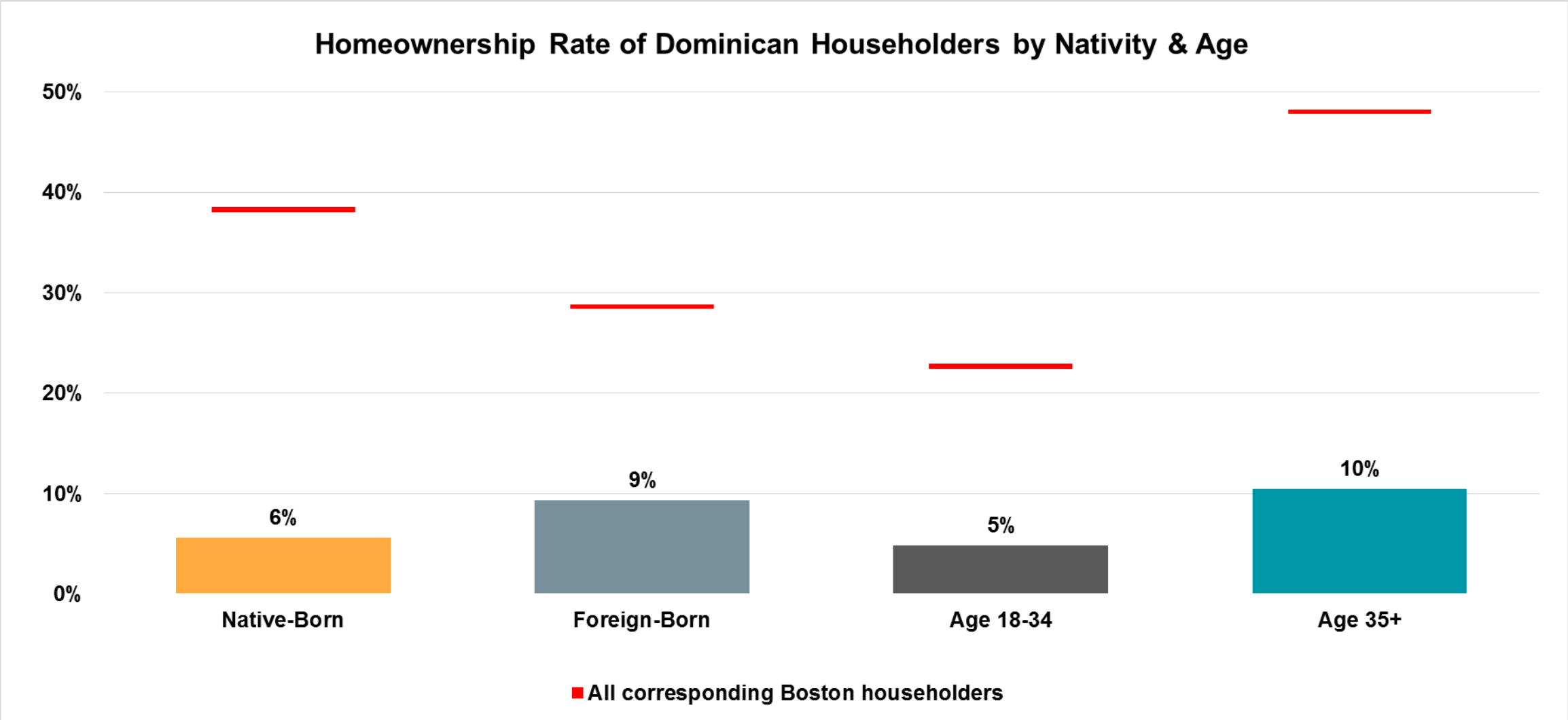


Self-Employed Dominicans in Massachusetts by Industry



Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Only 6% of native-born and 9% of foreign-born Dominican householders own their homes.



Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Puerto Ricans



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Puerto Ricans' contribution to the economy as entrepreneurs and workers is significant.



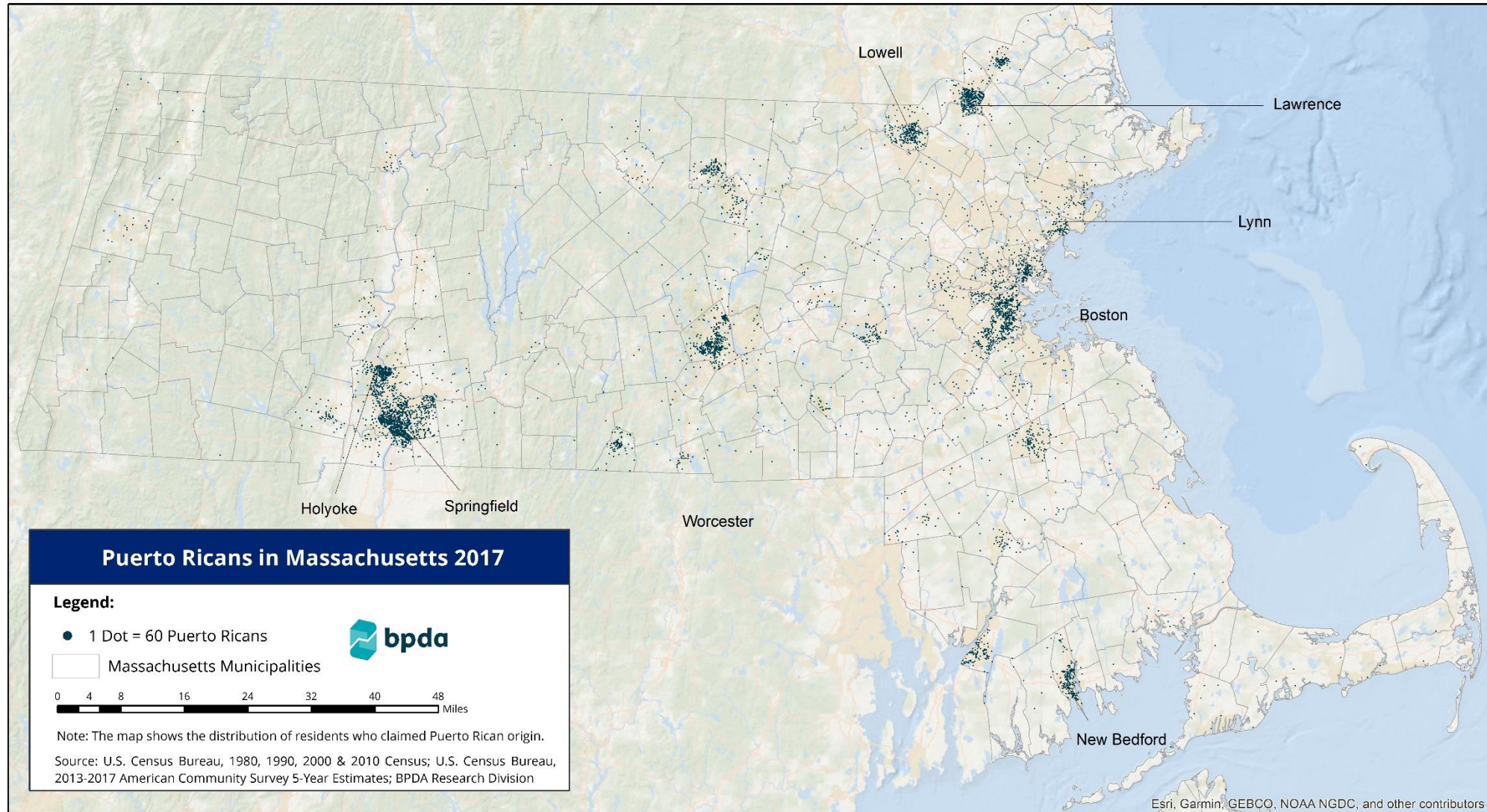
- **Puerto Ricans make up 5.3% of Boston's population (35,346 people).**
- **Puerto Ricans in Boston earned \$516 million in income in 2017.**
- **Puerto Ricans living in Boston hold 14,052 jobs and own approximately 3,564 businesses.**
- **Puerto Ricans' consumer demand supported an additional 1,692 jobs and contributed \$259 million to Boston's gross city product in 2017.**
- **Puerto Ricans contributed \$26.3 million in state income taxes and \$8.5 million in state sales taxes in 2017.**

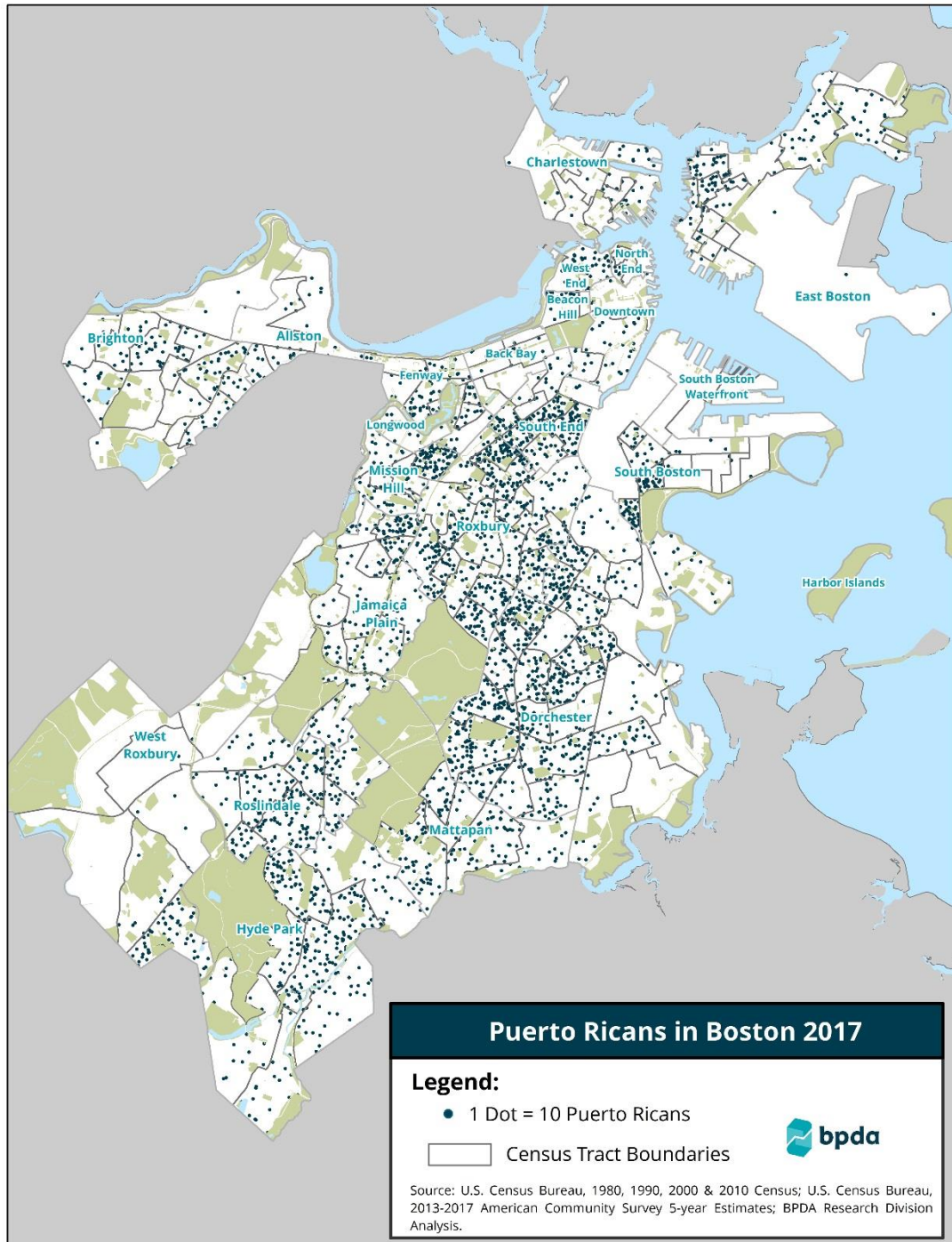
Note: Puerto Ricans are defined here as those born in Puerto Rico or who identify as Puerto Rican.

Source: U.S. Census Bureau, 2013-2017 American Community Survey, Public Use Microdata Sample (PUMS), Bureau of Labor Statistics (BLS), Massachusetts Department of Revenue, Regional Economic Models, Inc. (REMI), PI+ Massachusetts Regions, BPDA Research Division

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The 318,500 Puerto Ricans in Massachusetts live primarily in Springfield, Lawrence, Boston, Lowell, and Worcester.





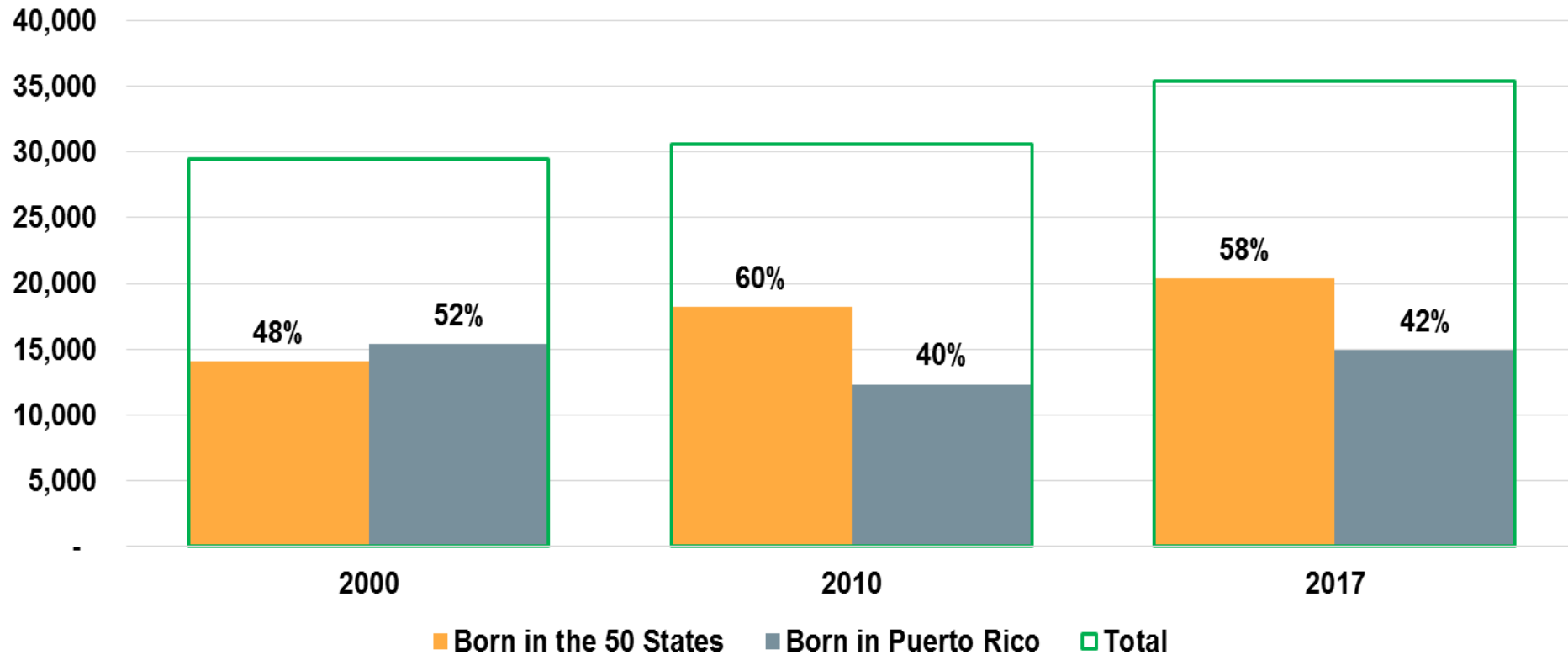
Puerto Ricans live throughout Boston's neighborhoods, with a high concentration in the South End.

The Puerto Rican community of Boston grew by 20% from 2000 to 2017.



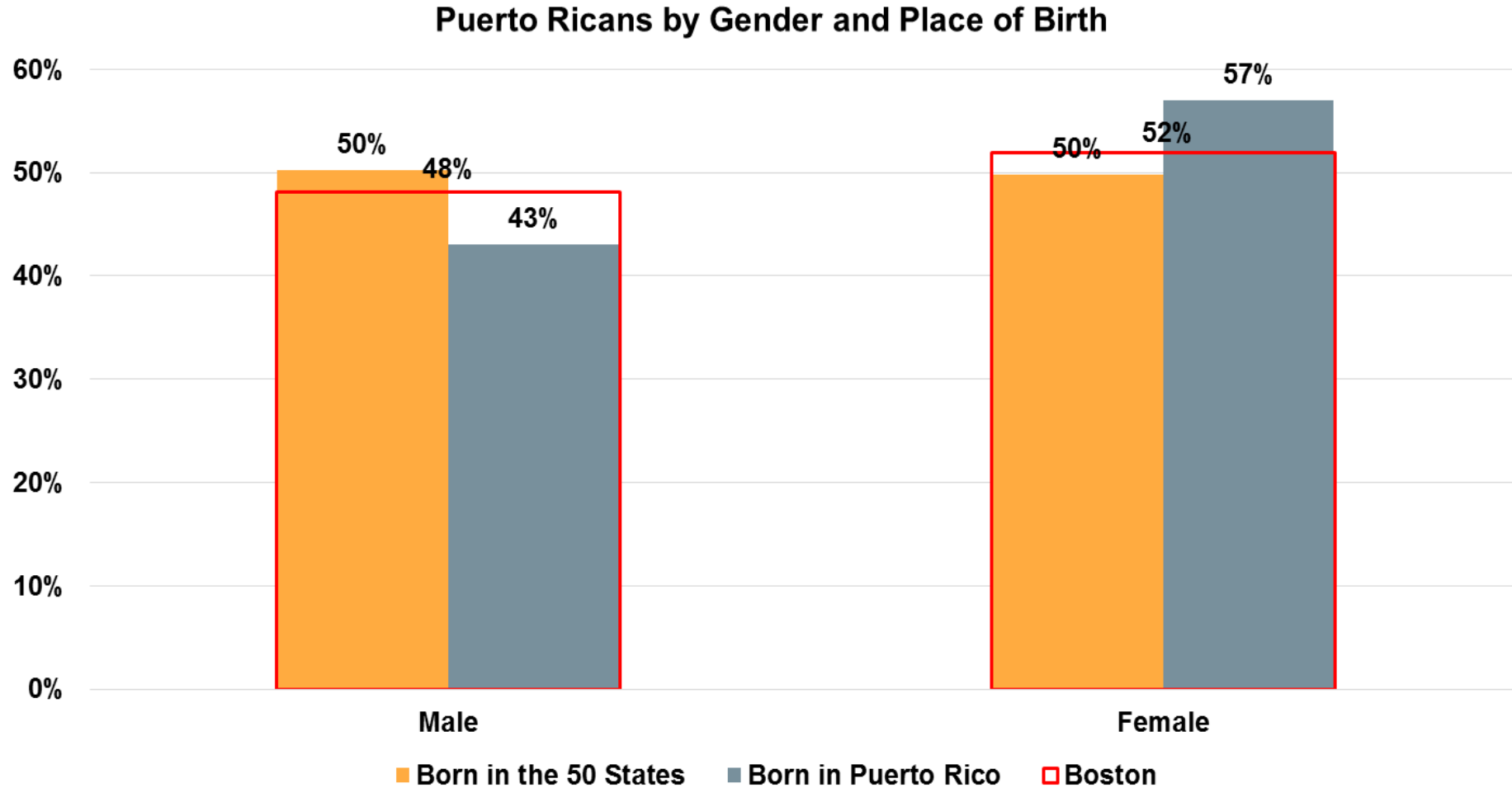
When available, 2018 data may show an uptick in the Puerto Rican population of Boston in the wake of Hurricane Maria. As of December 12th, 2017 the Boston Public Schools had enrolled 154 Puerto Rican children who had moved to Boston in the 12 weeks after the hurricane.

Puerto Ricans in Boston by Place of Birth



Source: U.S. Census Bureau, 2000 Decennial Census, 2006-2010 & 2013-2017 ACS Community Survey, PUMS, BPDA Research Division. December 12, 2017 email from Sonia Gomez-Banrey, BPS
Note: 775 Puerto Rican Boston residents (2017) were born outside of the United States territories (about half in the Dominican Republic), about a third of which were children of U.S. citizens. They are combined with those born in Puerto Rico in this report.

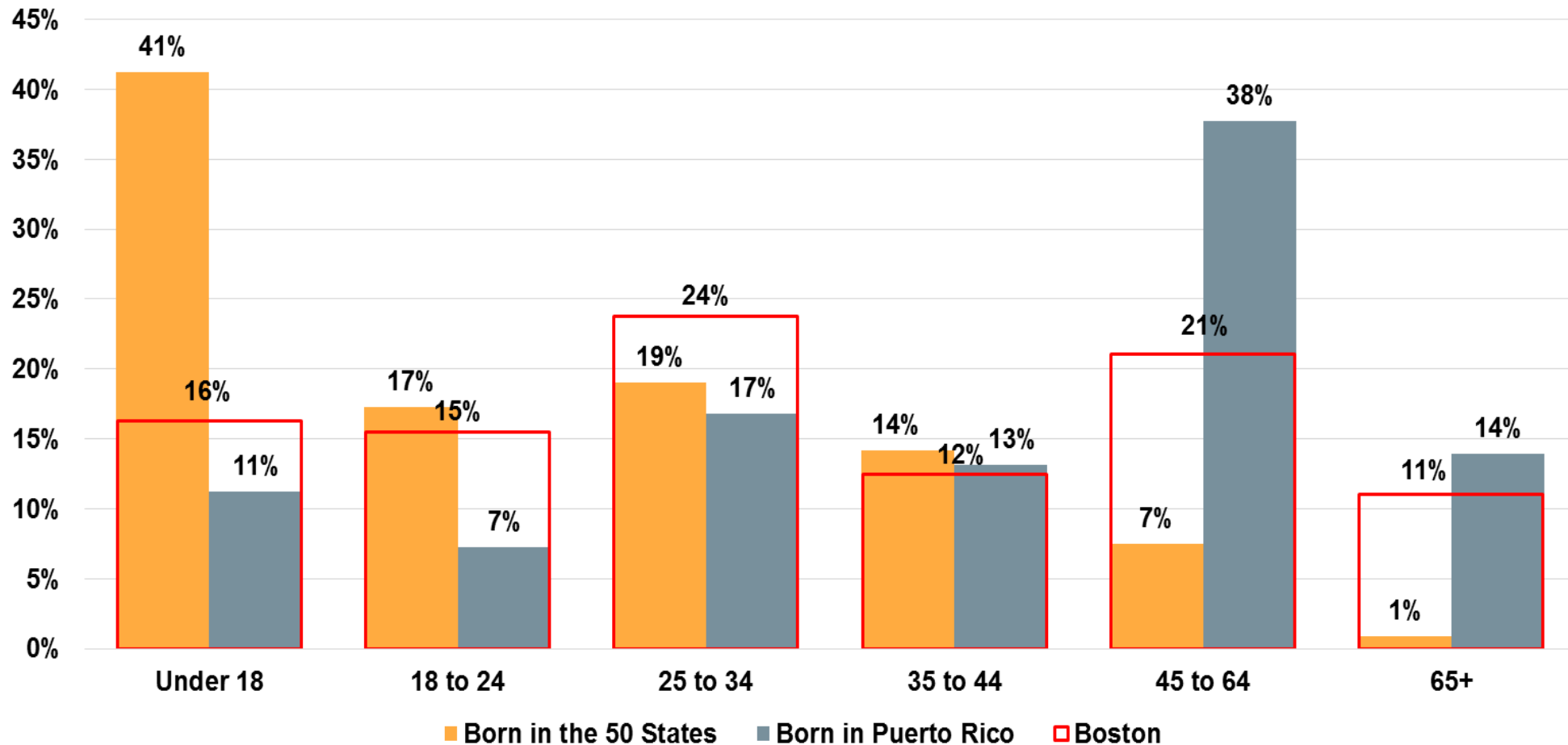
57% of the Puerto Rican population born in Puerto Rico is female.



52% of Puerto Ricans born in Puerto Rico are older than 45, while 41% of Puerto Ricans born in the fifty states are children.



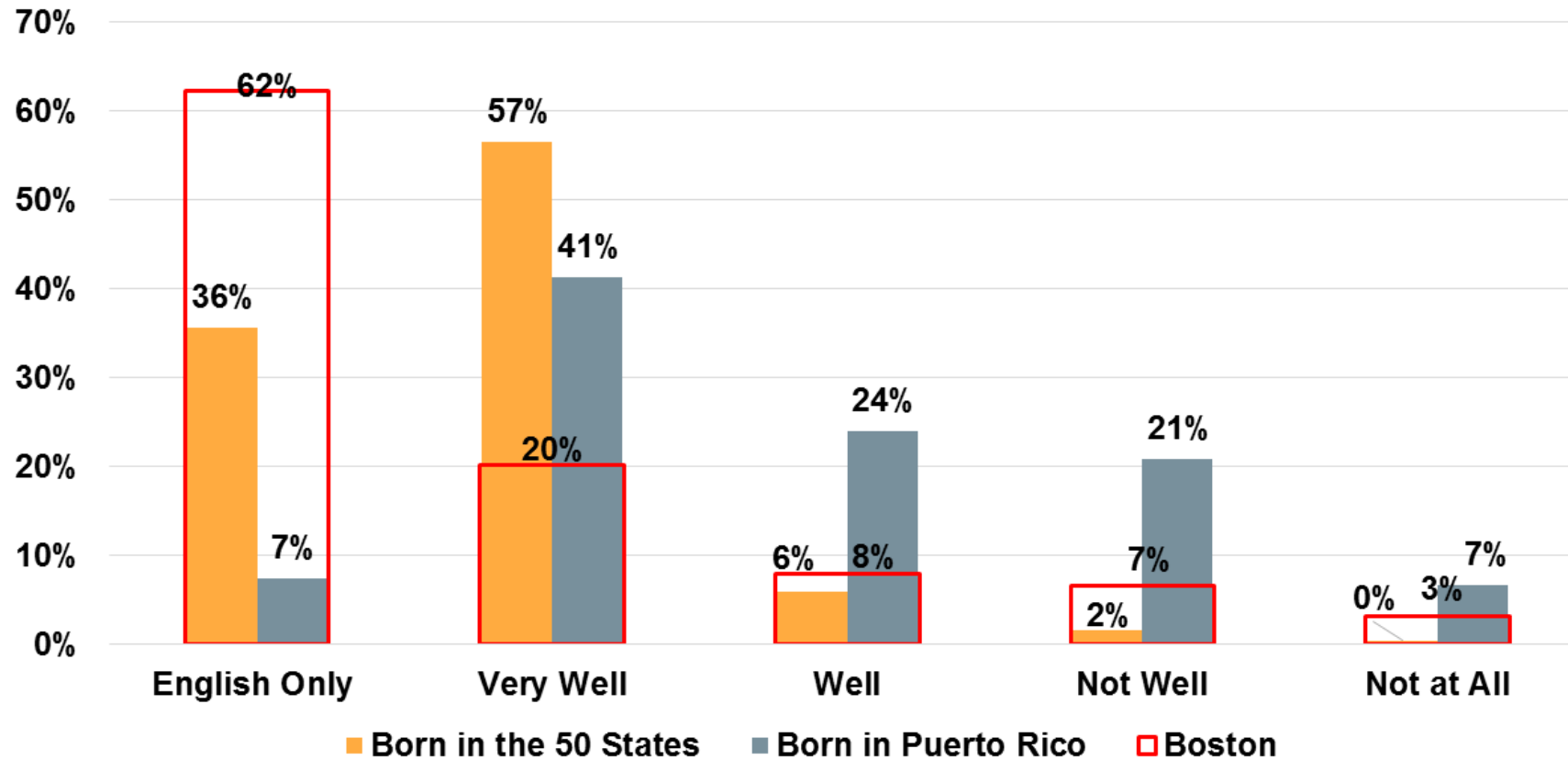
Age Distribution of Puerto Ricans



Puerto Ricans born in the 50 states speak English very well, while many born in Puerto Rico are not proficient in English.



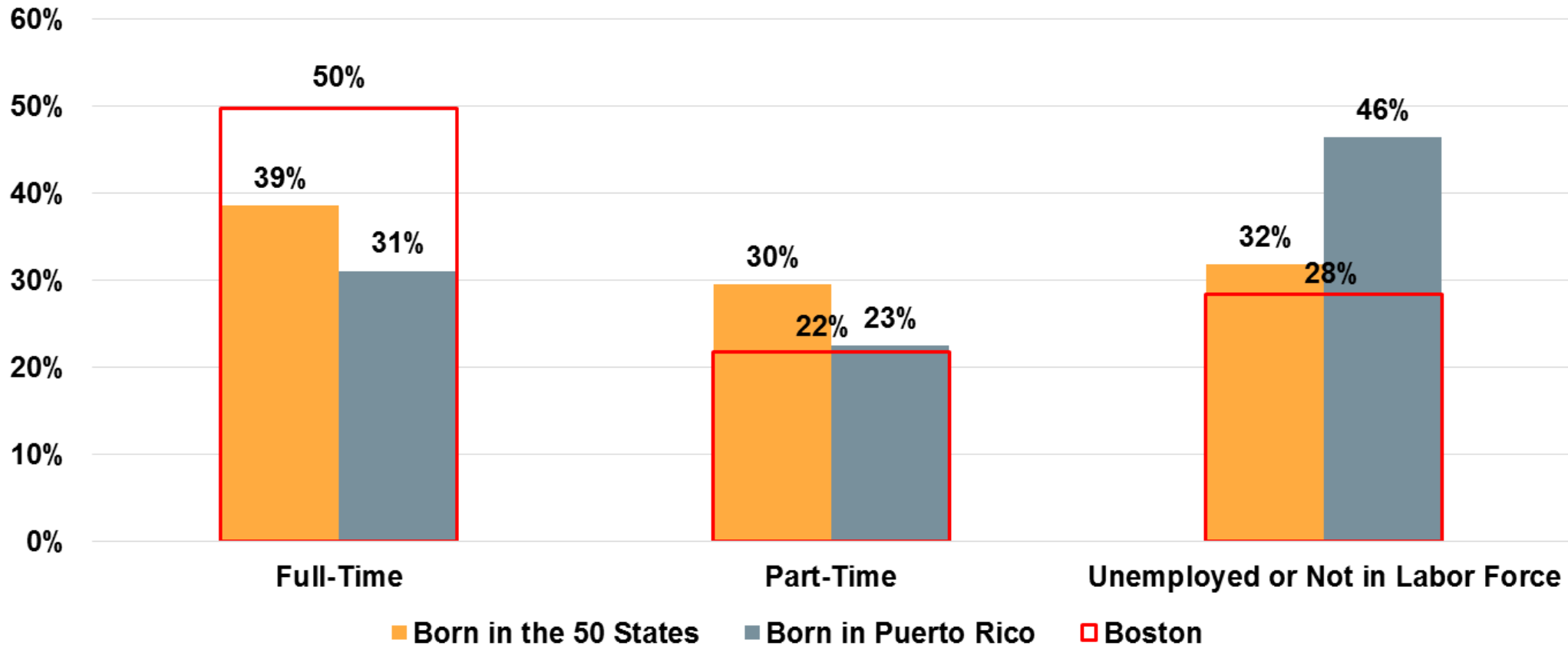
English Proficiency of Puerto Ricans by Place of Birth



About a third of adult Puerto Ricans work full-time.



Employment Type (18-64 years)



Puerto Rican women work primarily in office support or healthcare support or personal care.

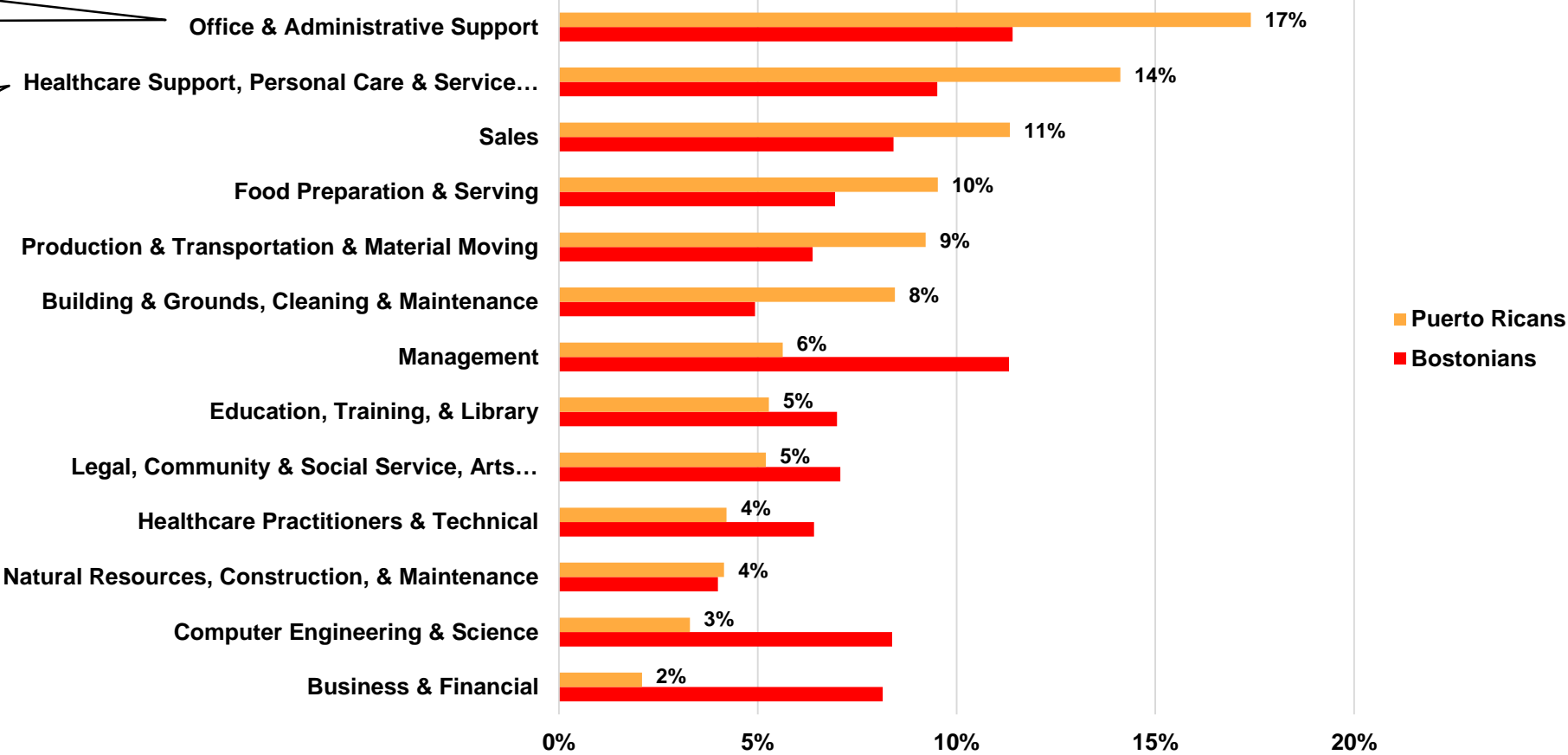


25% of Puerto Rican Women

18% of Puerto Rican Women

16% of Puerto Rican Men

Puerto Rican Workers by Occupation

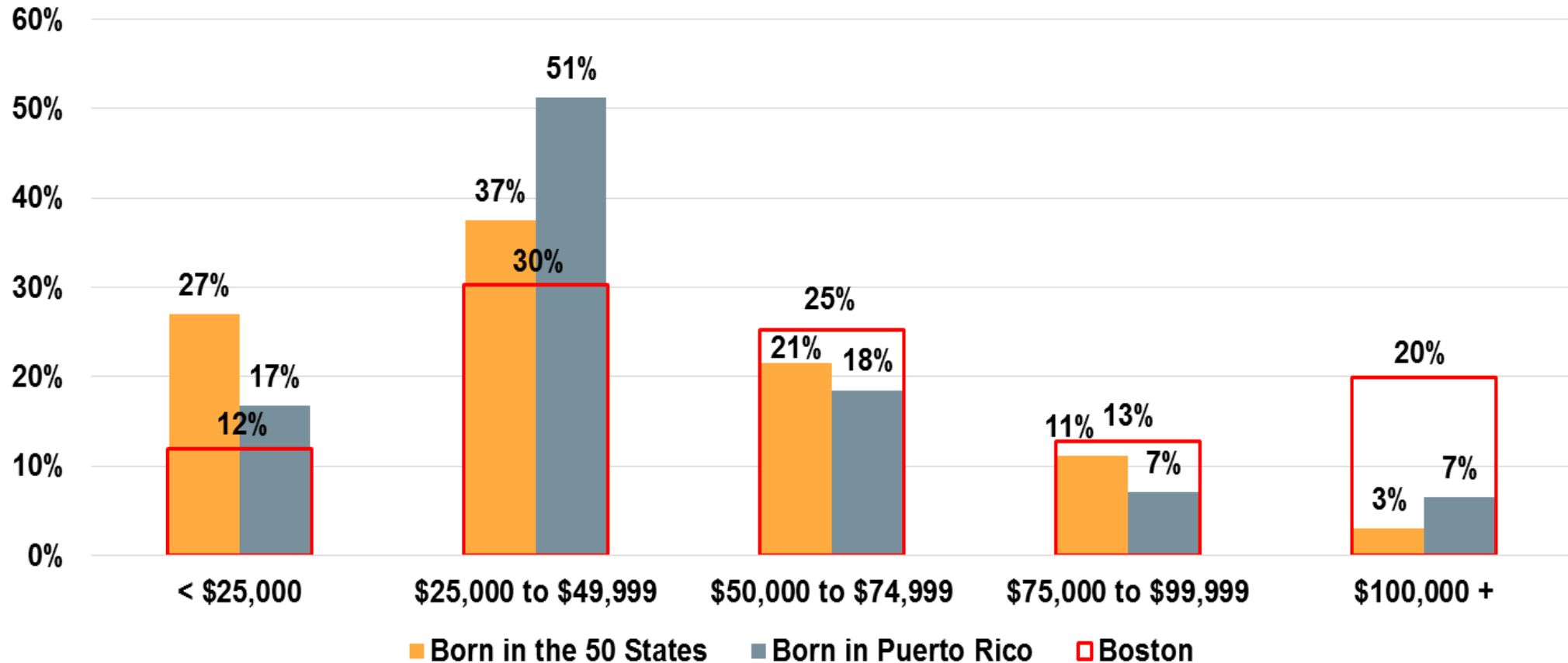


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Only 14% of Puerto Ricans who work full-time earn more than \$75,000 per year.



Earnings of Full-time, Full-year Workers



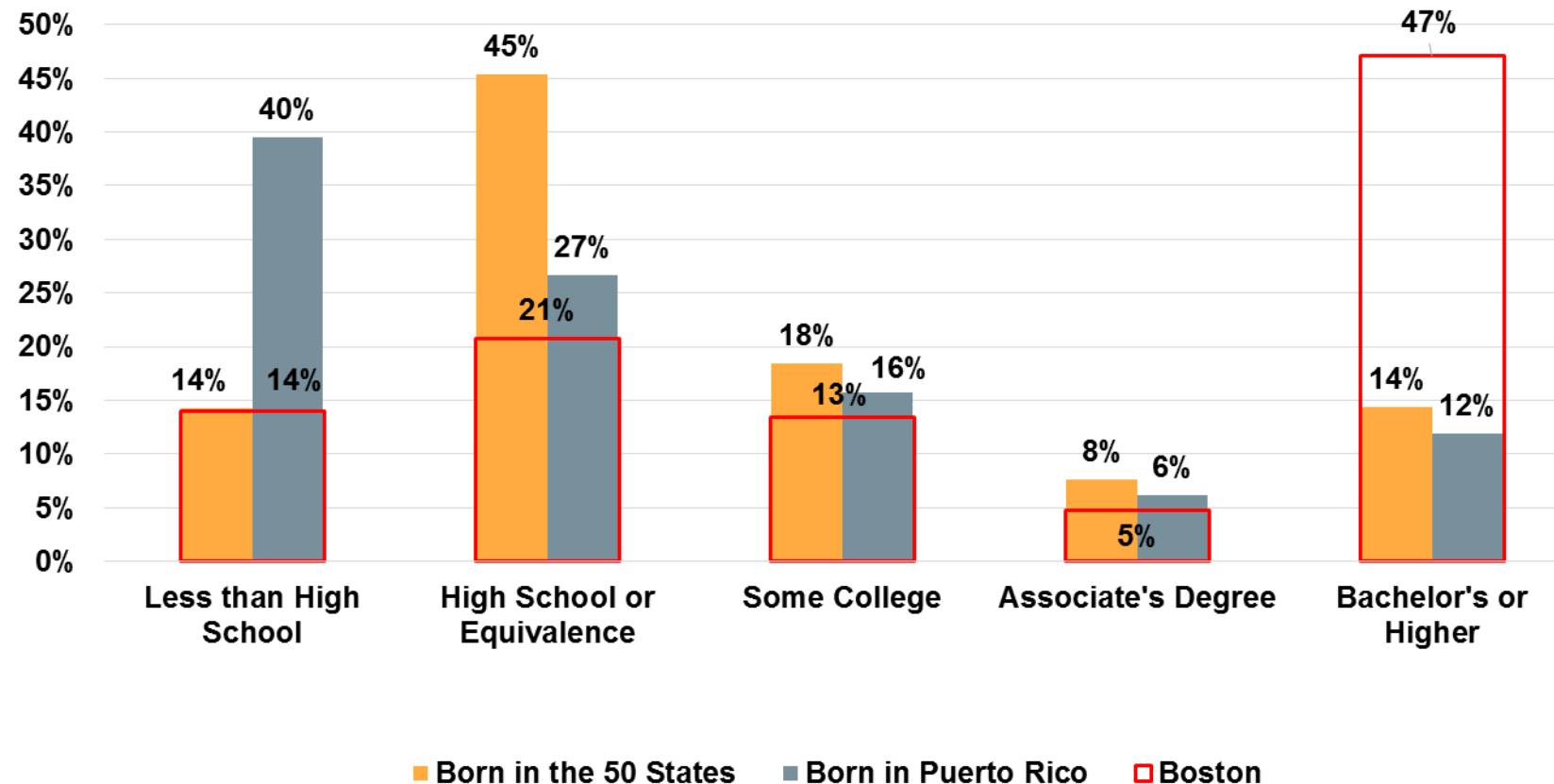
Improving Puerto Ricans' educational attainment will allow greater contribution to Boston's economy.



40% of Puerto Ricans born in Puerto Rico have less than a high school education.

18% of Puerto Ricans born in the U.S. aged 25 or older started college, but have not finished a degree.

Educational Attainment of Puerto Ricans by Place of Birth (Age 25+)

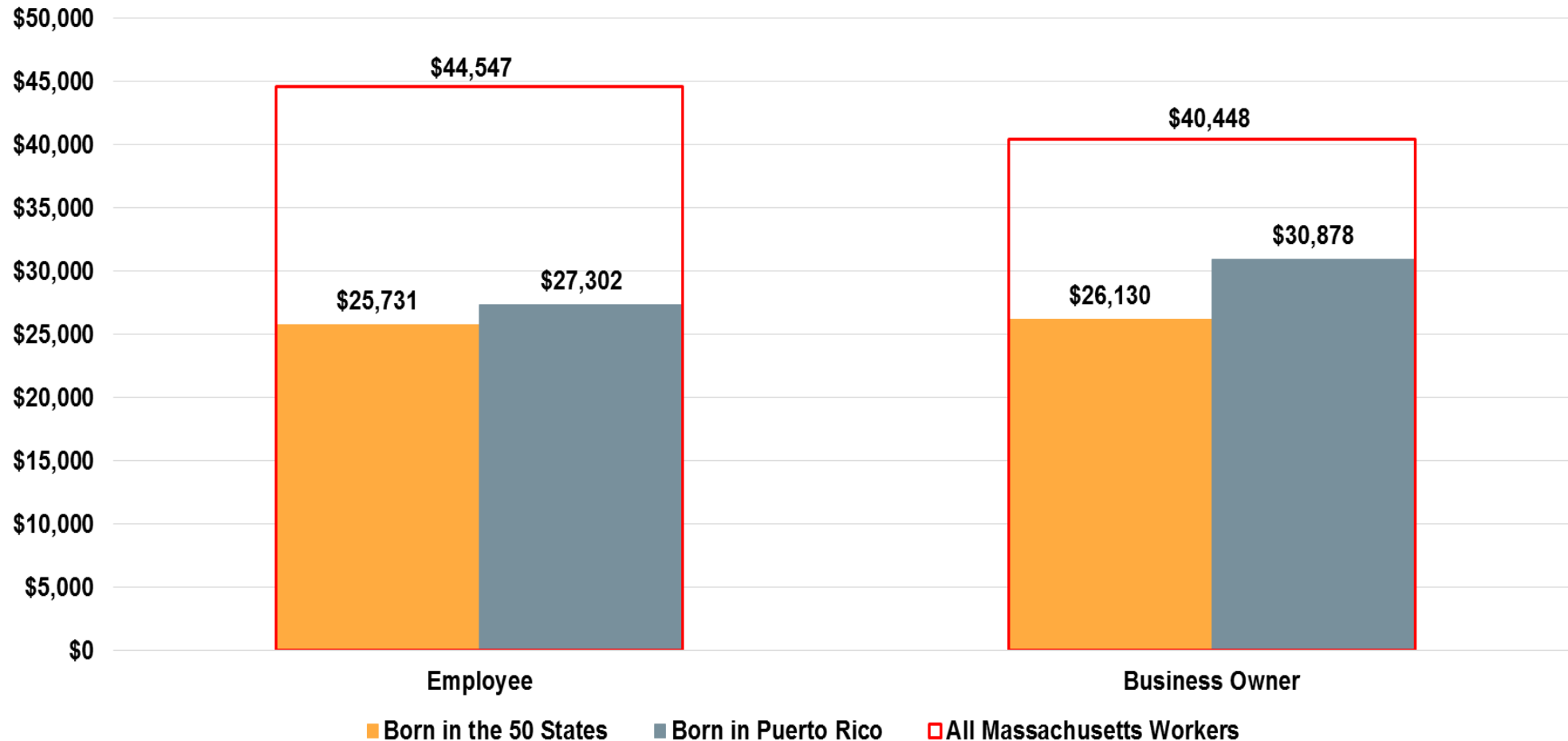


Puerto Rican business owners earn slightly more than their counterparts who are employees.



Only 2% of employed Puerto Ricans in Boston are business owners, compared to 6% of all employed Boston residents.

Median Earnings by Type of Work

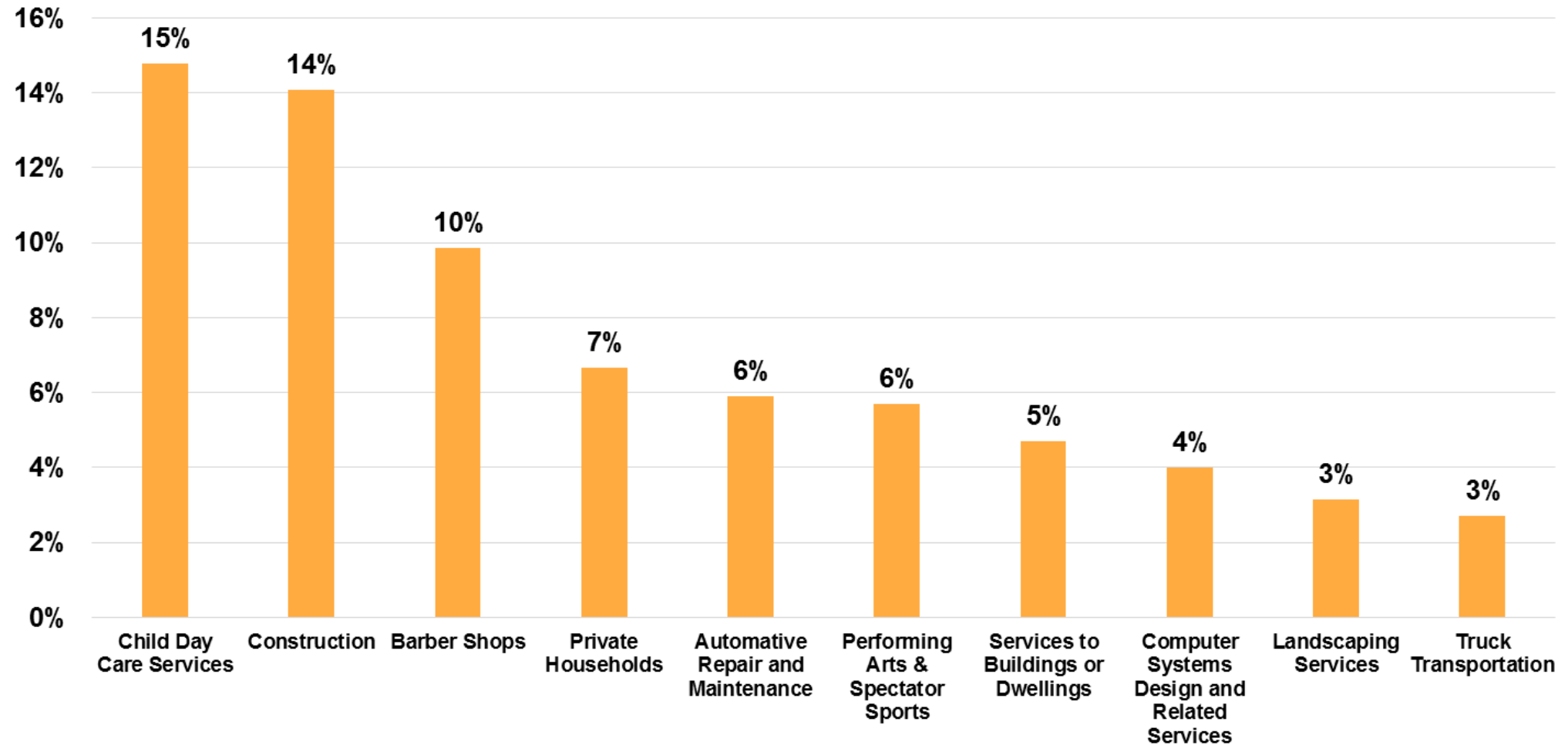


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.
Note: Massachusetts data are used due to small sample size in Boston.

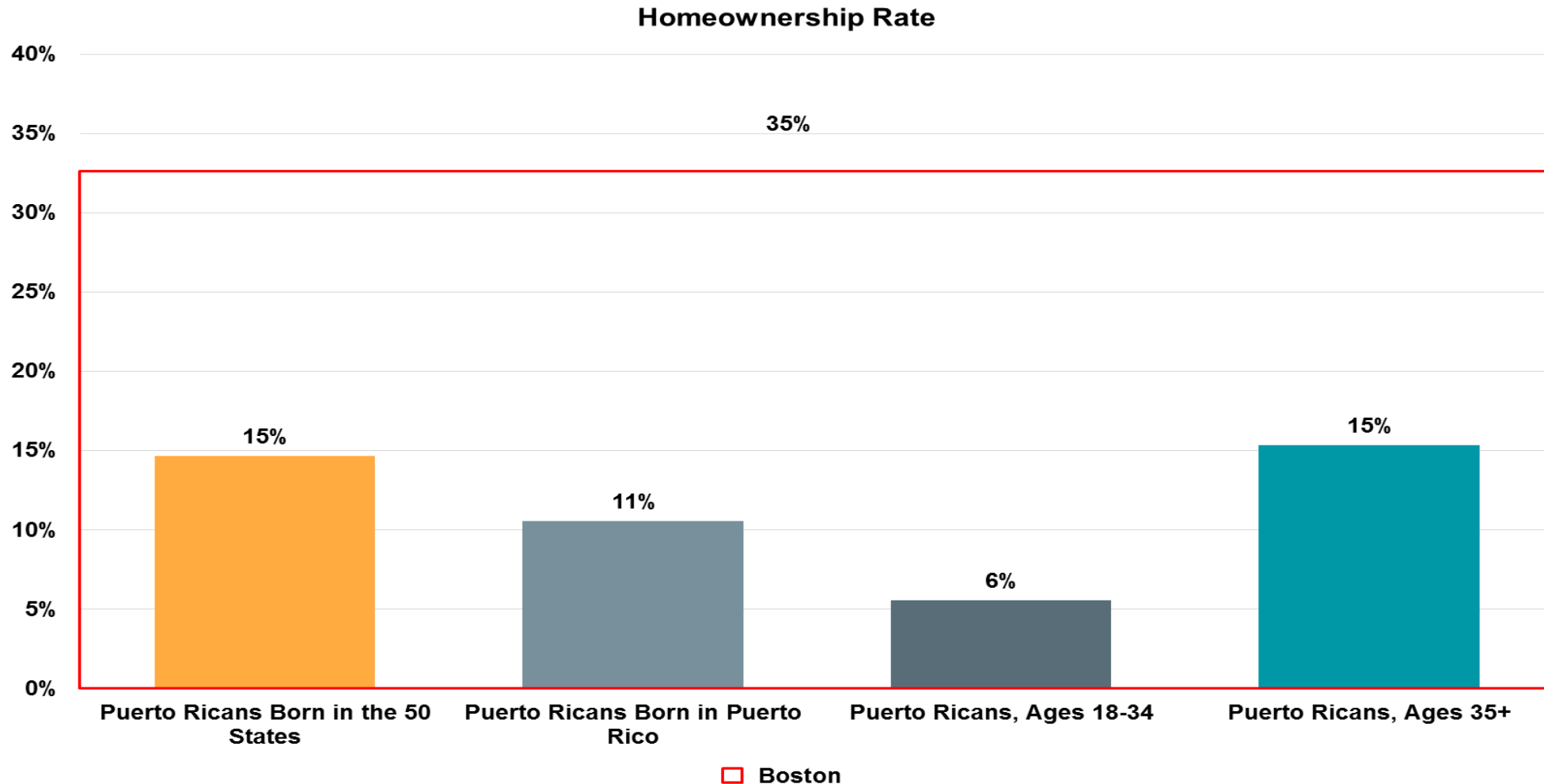
Puerto Rican businesses are concentrated in childcare and construction.



Self-Employed Puerto Ricans in Massachusetts by Industry



Only 15% of Puerto Ricans born in the 50 states and 11% of Puerto Ricans born in Puerto Rico own their homes.



Brazilians



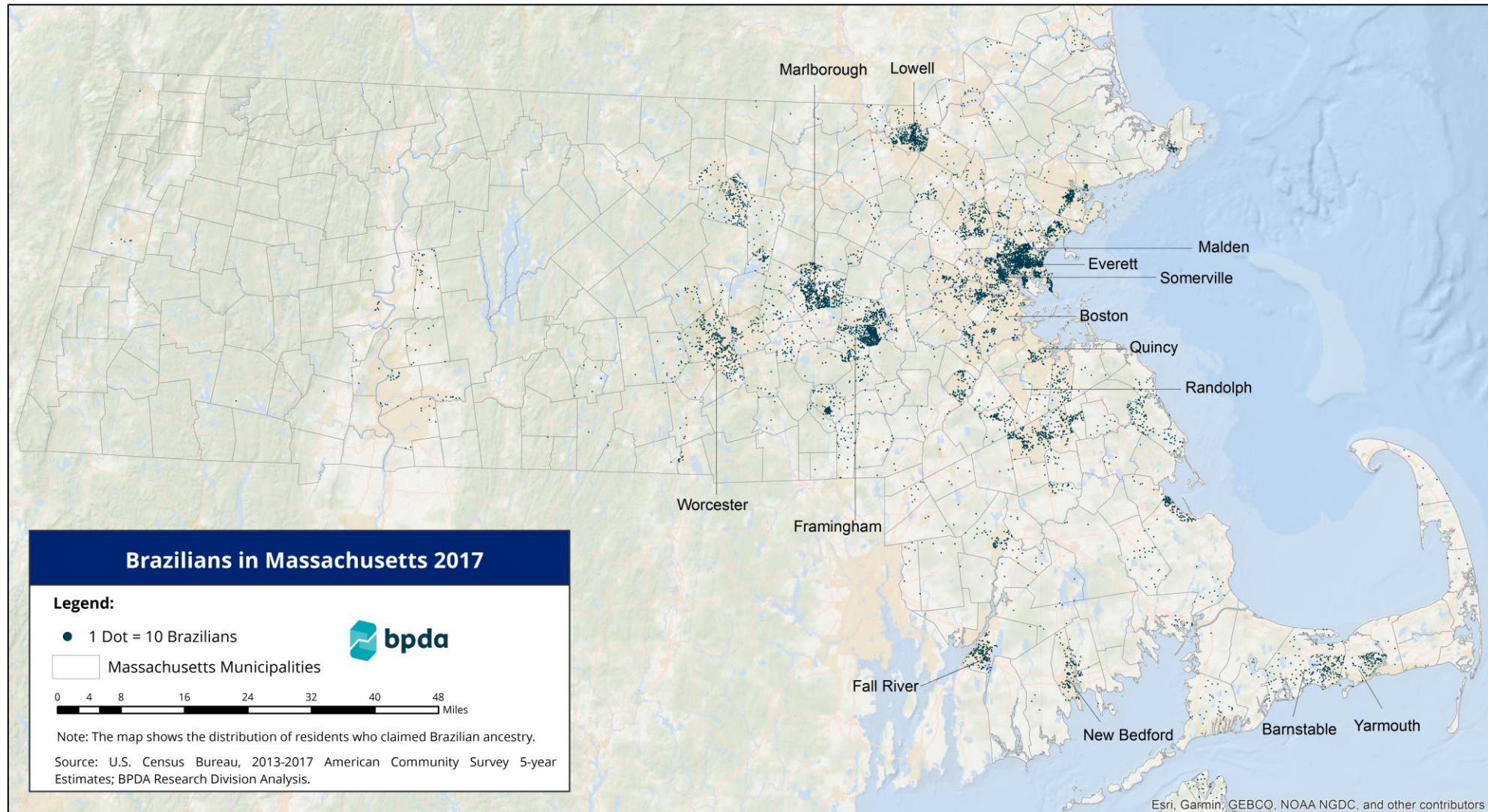
Mayor Martin J. Walsh

Brazilian contributions to the economy as entrepreneurs and workers are significant.

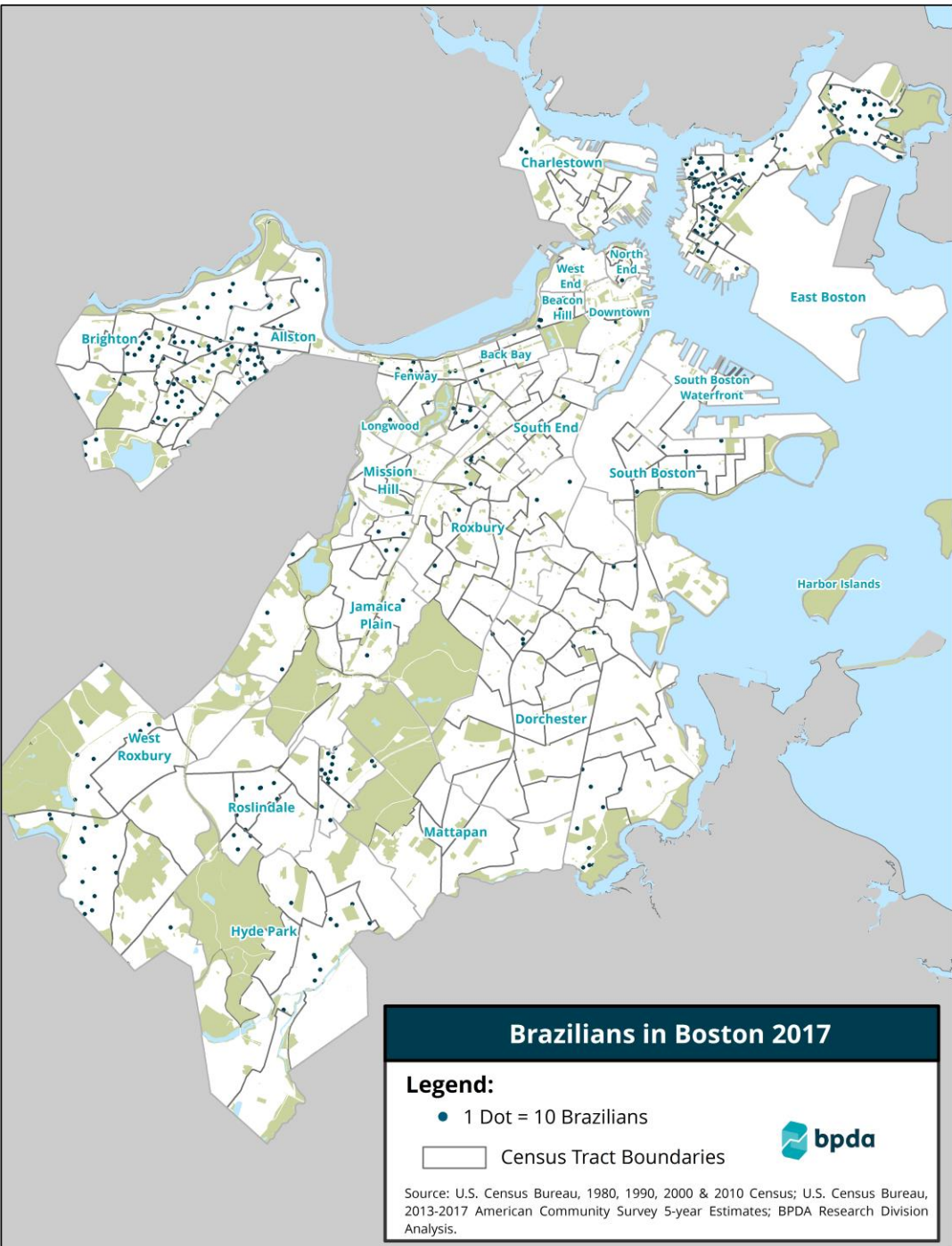


- **Brazilians, those who were born in Brazil or who identify as having Brazilian ancestry, make up 0.6% of Boston's population (3,770 people).**
- **Brazilians in Boston had a total income of \$114.5 million in 2016.**
- **Brazilians hold 2,370 jobs and approximately 493 are self-employed.**
- **Brazilian consumer demand supported an additional 375 jobs and contributed \$57.6 million to Boston's gross city product in 2016.**
- **Brazilians contributed \$5.8 million in state income taxes and \$1.9 million in state sales taxes in 2016.**

27,421 Brazilians in Massachusetts live primarily in Somerville, Everett, Malden, Lowell, Marlborough, and Framingham.



Boston Brazilians predominantly live in East Boston, Brighton, Allston, West Roxbury, and Roslindale.

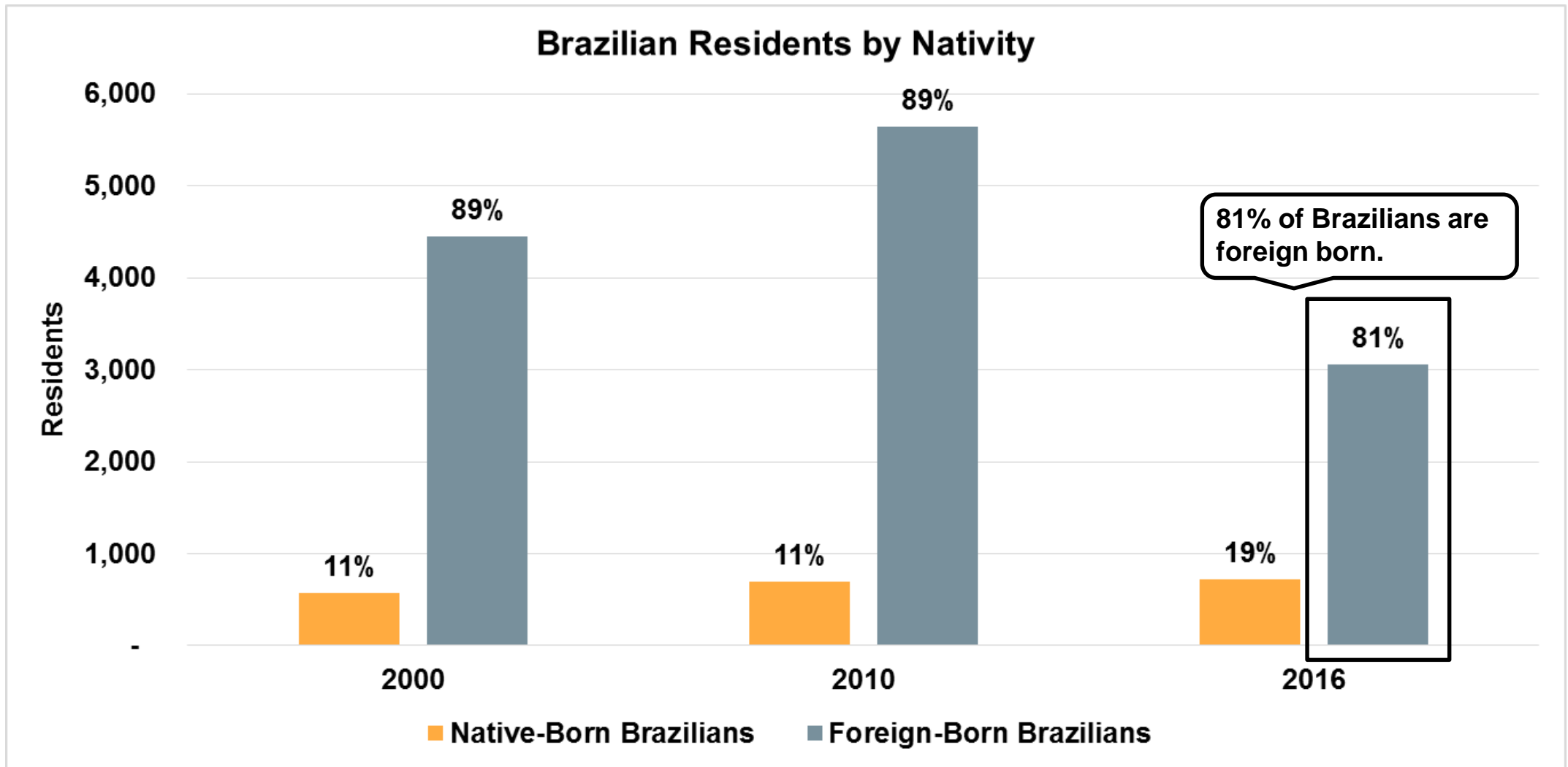


The native-born share of the Brazilian population has grown from 11% in 2010 to 19% in 2016.

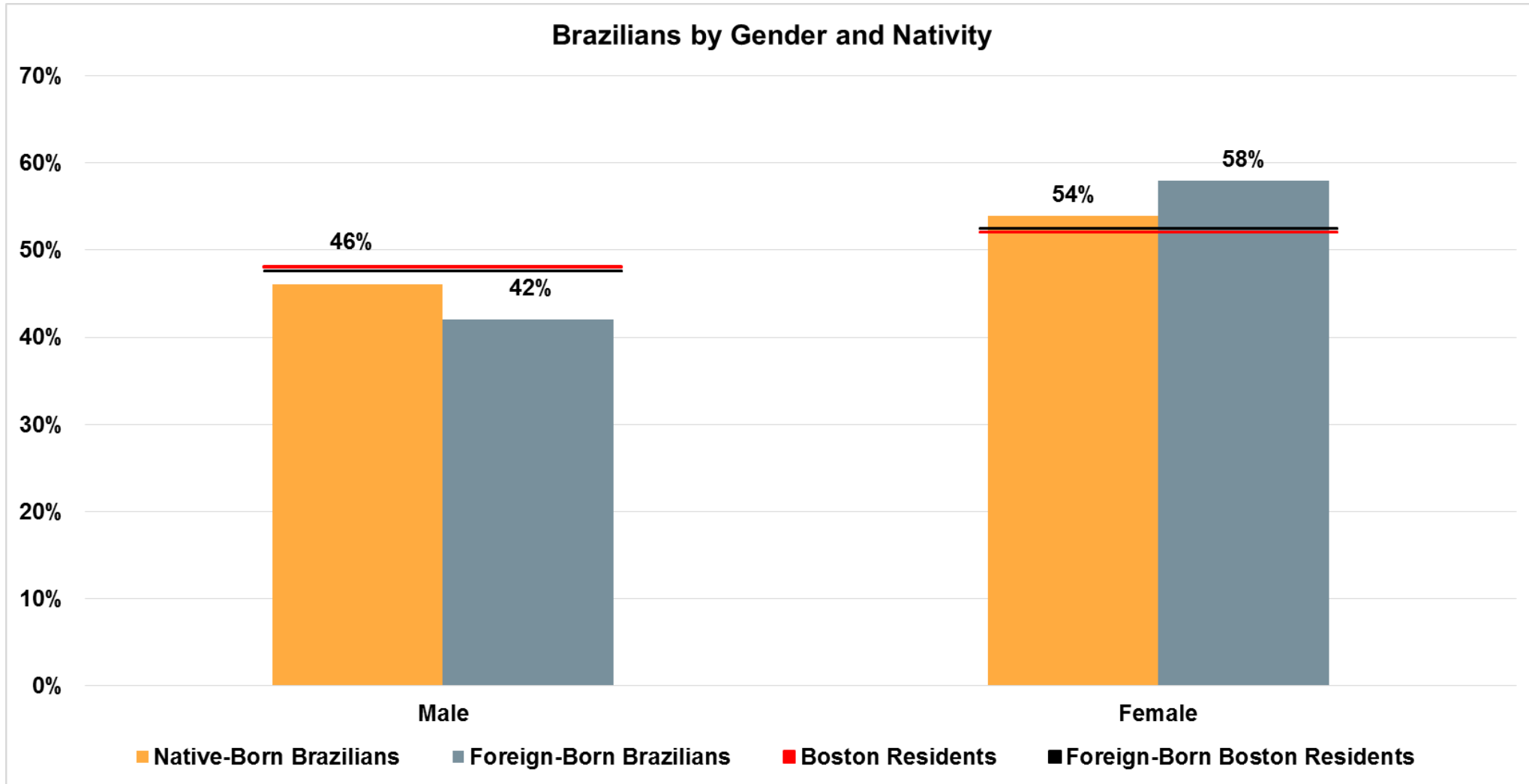


Native-born Brazilians were typically born in the U.S. and have U.S. citizenship from birth.

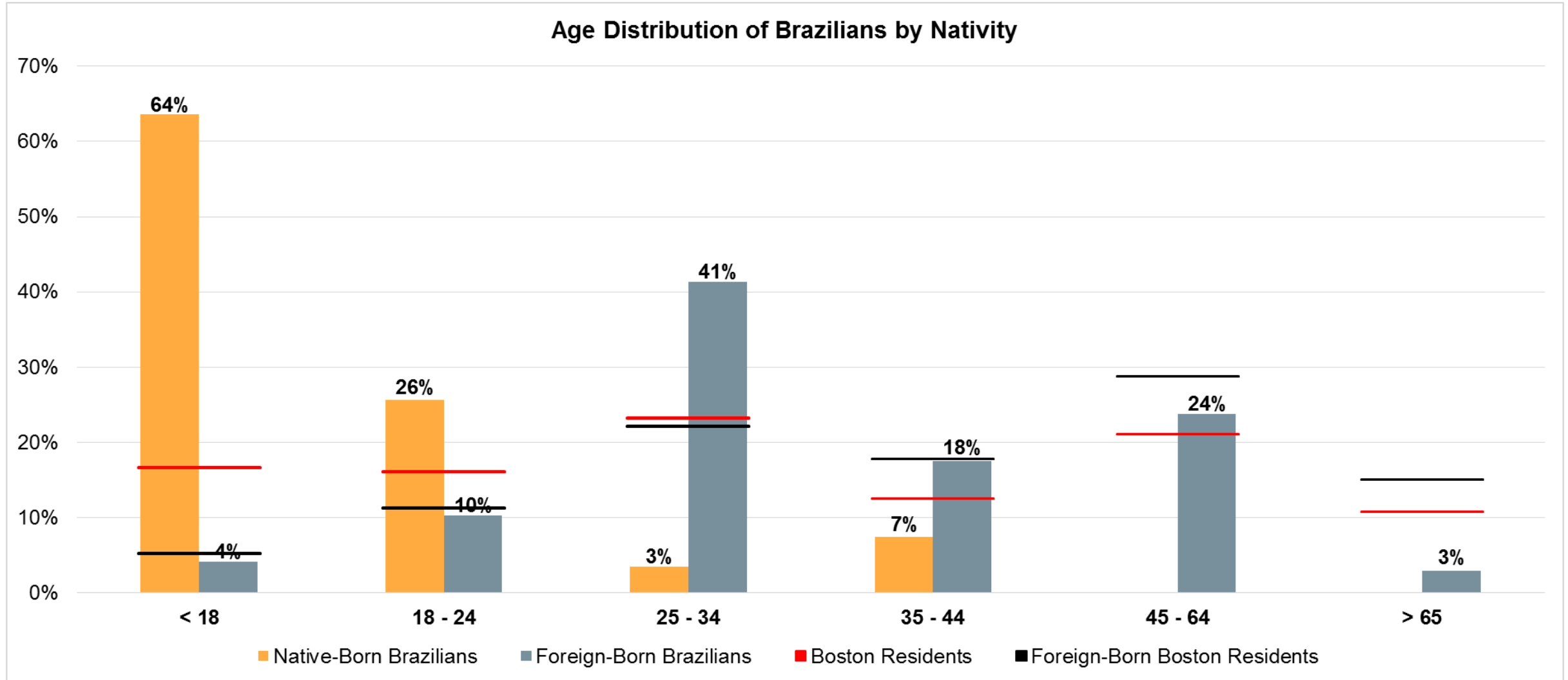
Foreign-born Brazilians were typically born in Brazil, but may be naturalized U.S. citizens.



The foreign-born Brazilian population is predominately female.



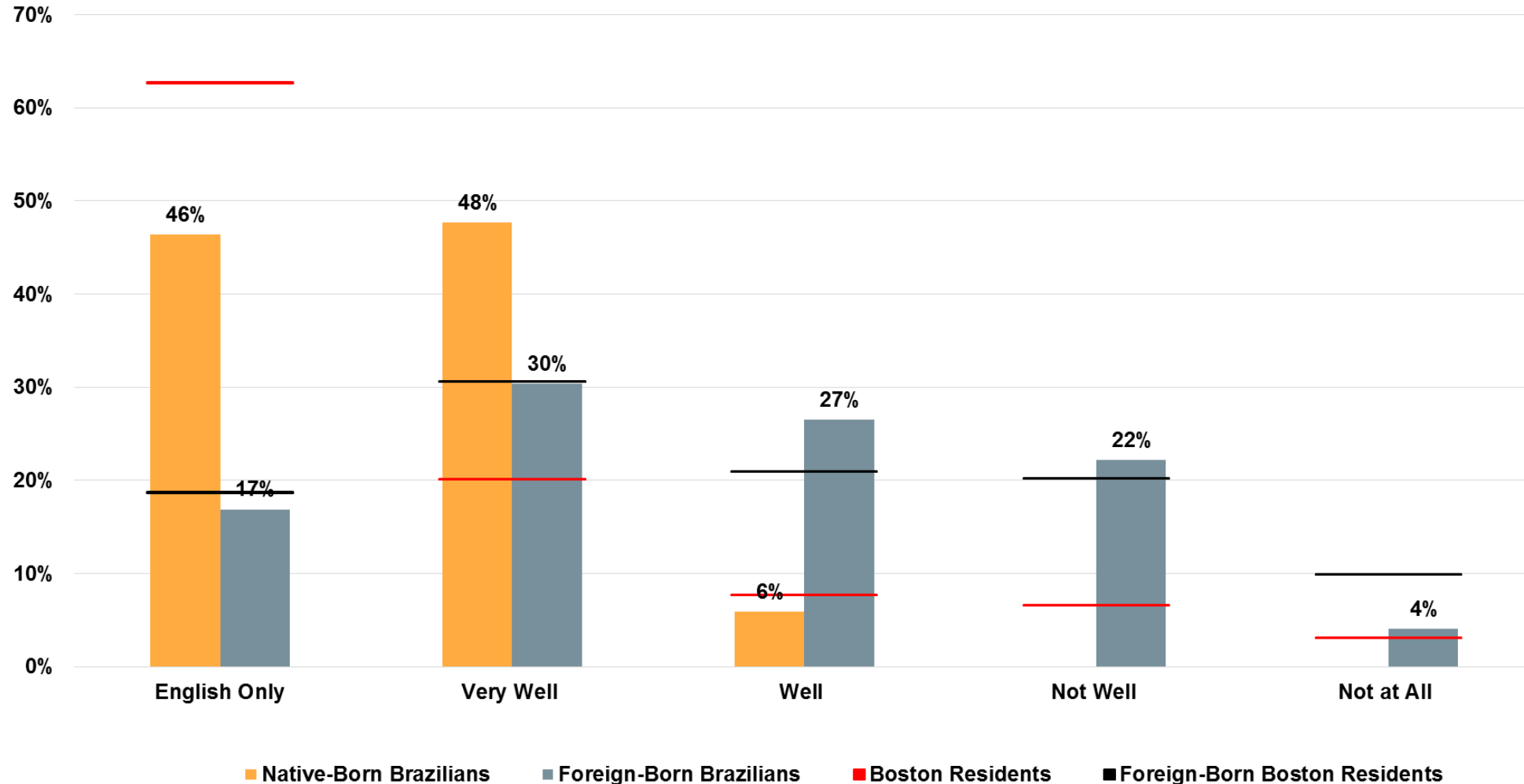
The foreign-born Brazilian population is older, while more than half of the native-born Brazilians are children.



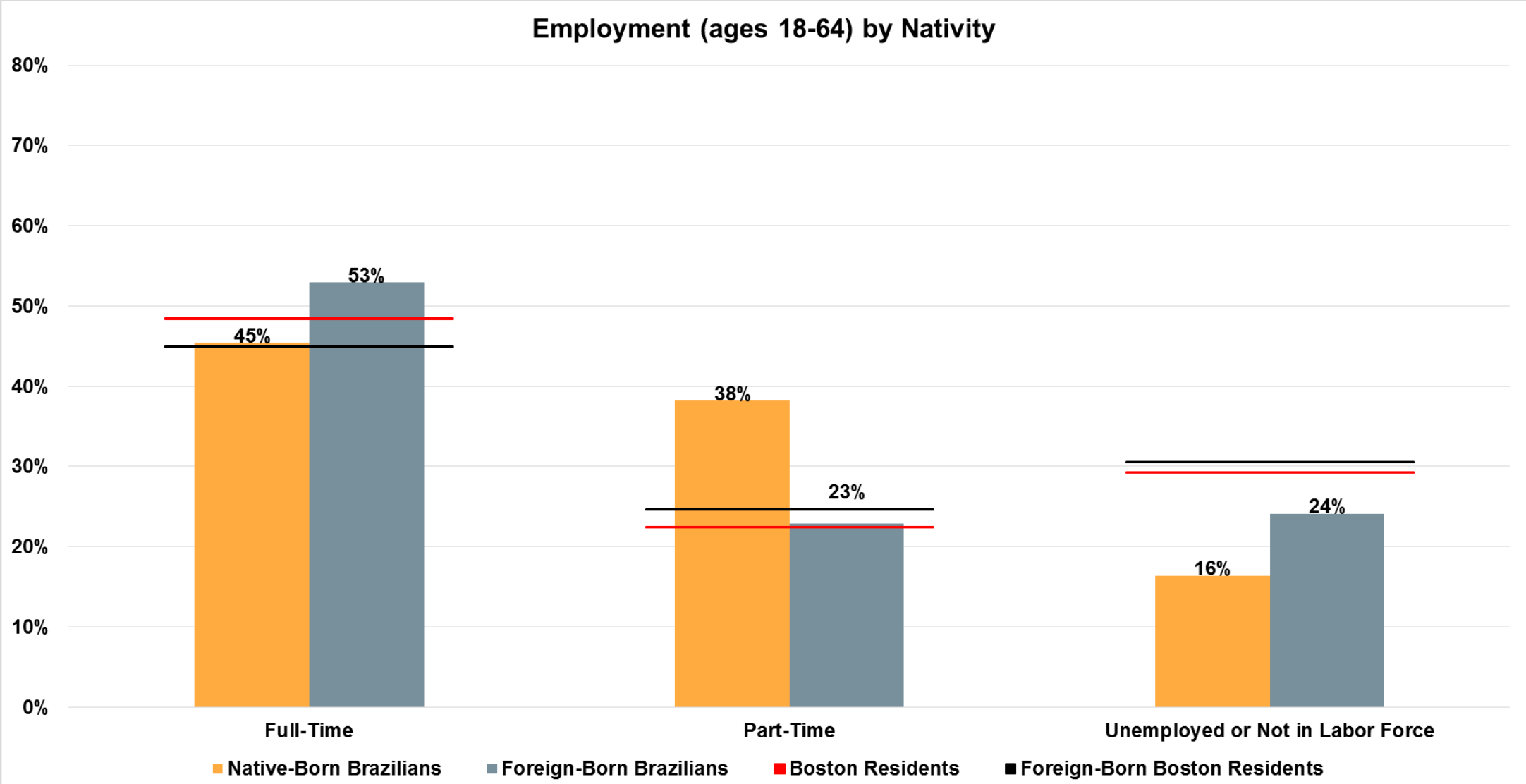
Native-born Brazilians speak English very well, but half of foreign-born Brazilians speak English less than well.



English Proficiency by Nativity



Brazilians are employed at higher rates than Boston residents as a whole.

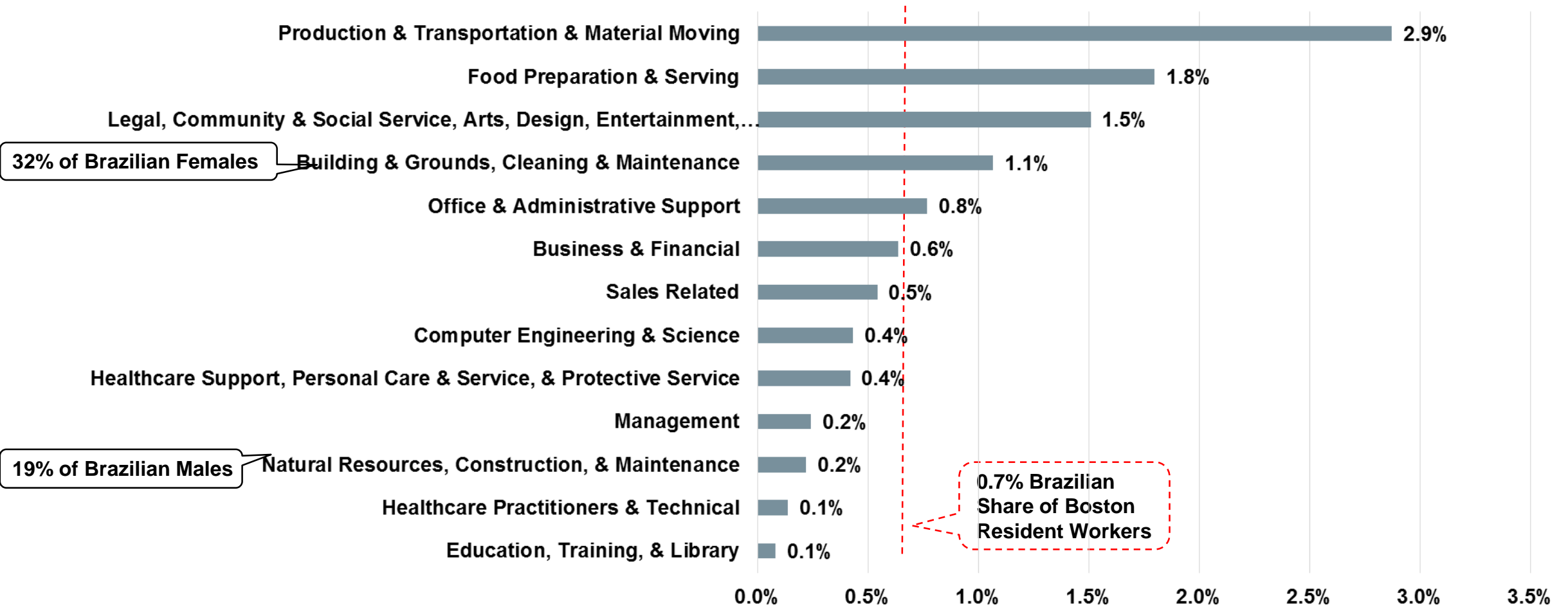


Source: U.S. Census Bureau, 2012-2016 American Community Survey, PUMS, BPDA Research Division.

Brazilians make up 3% of Boston residents working in Production, Transportation, and Material Moving occupations.



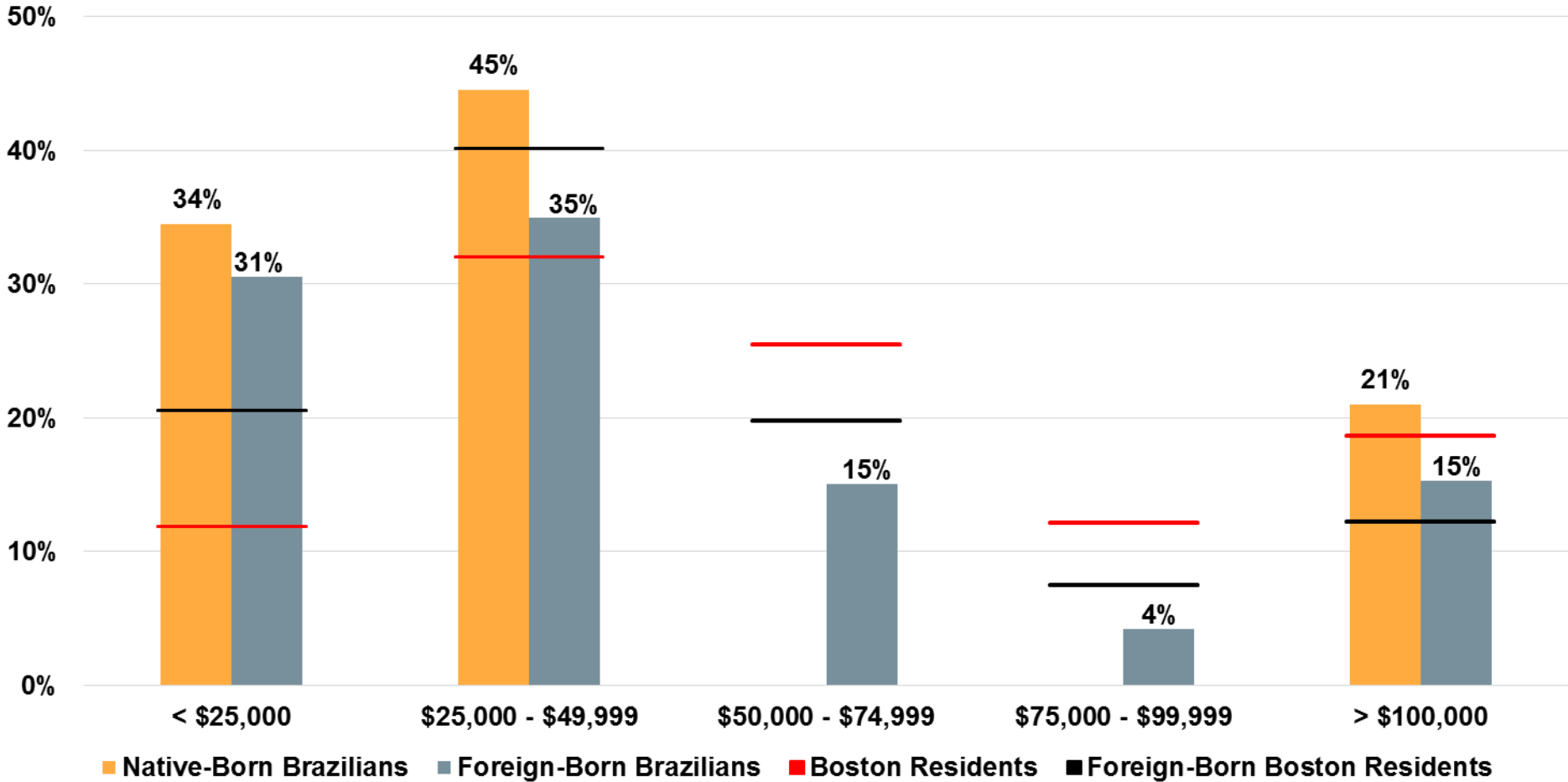
Brazilian Share of Occupations



Only 19% of foreign-born Brazilian full-time workers earn more than \$75,000 a year.

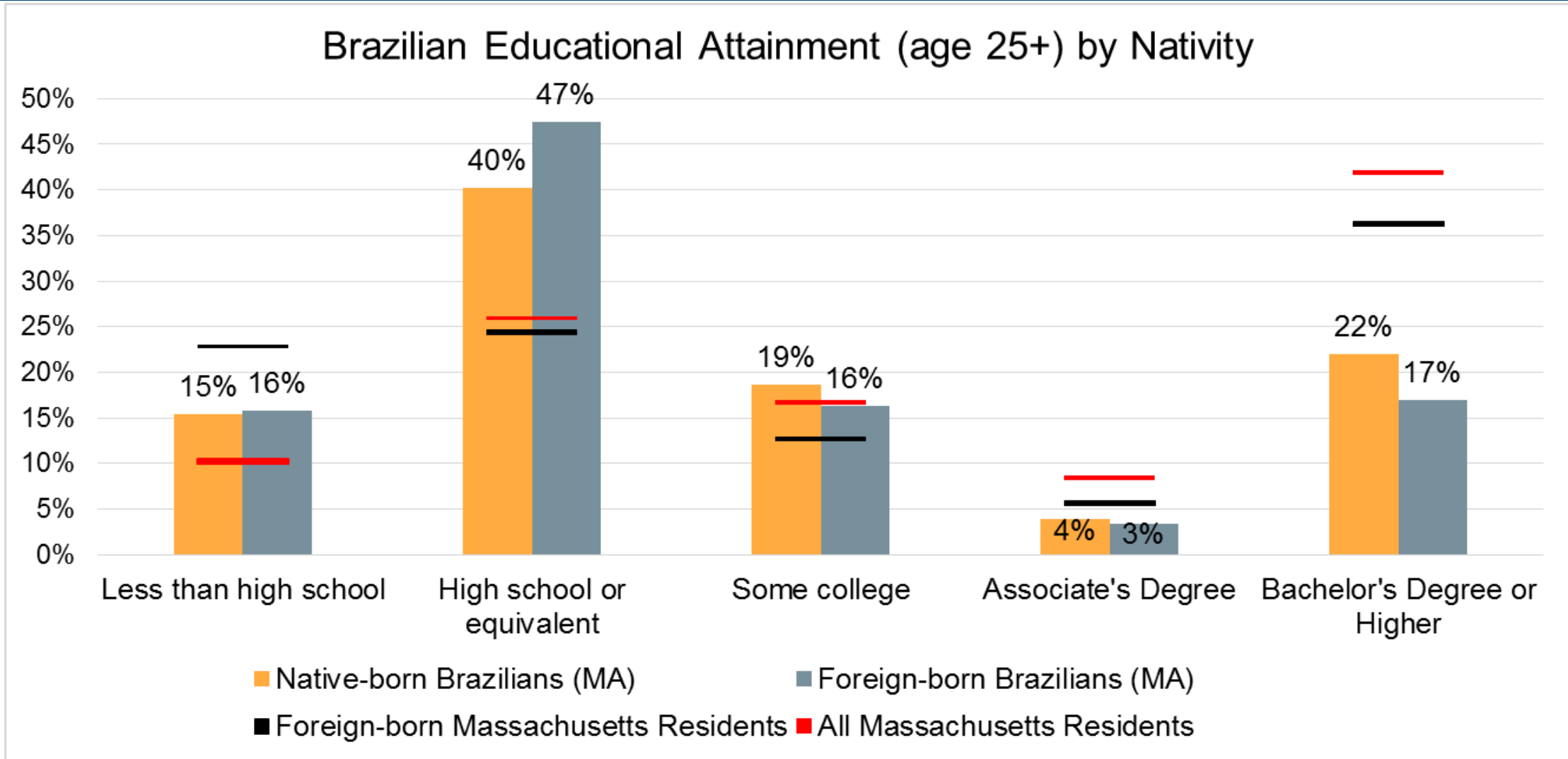


Earnings of Full-Time Workers by Nativity



Source: U.S. Census Bureau, 2012-2016 American Community Survey, PUMS, BPDA Research Division.

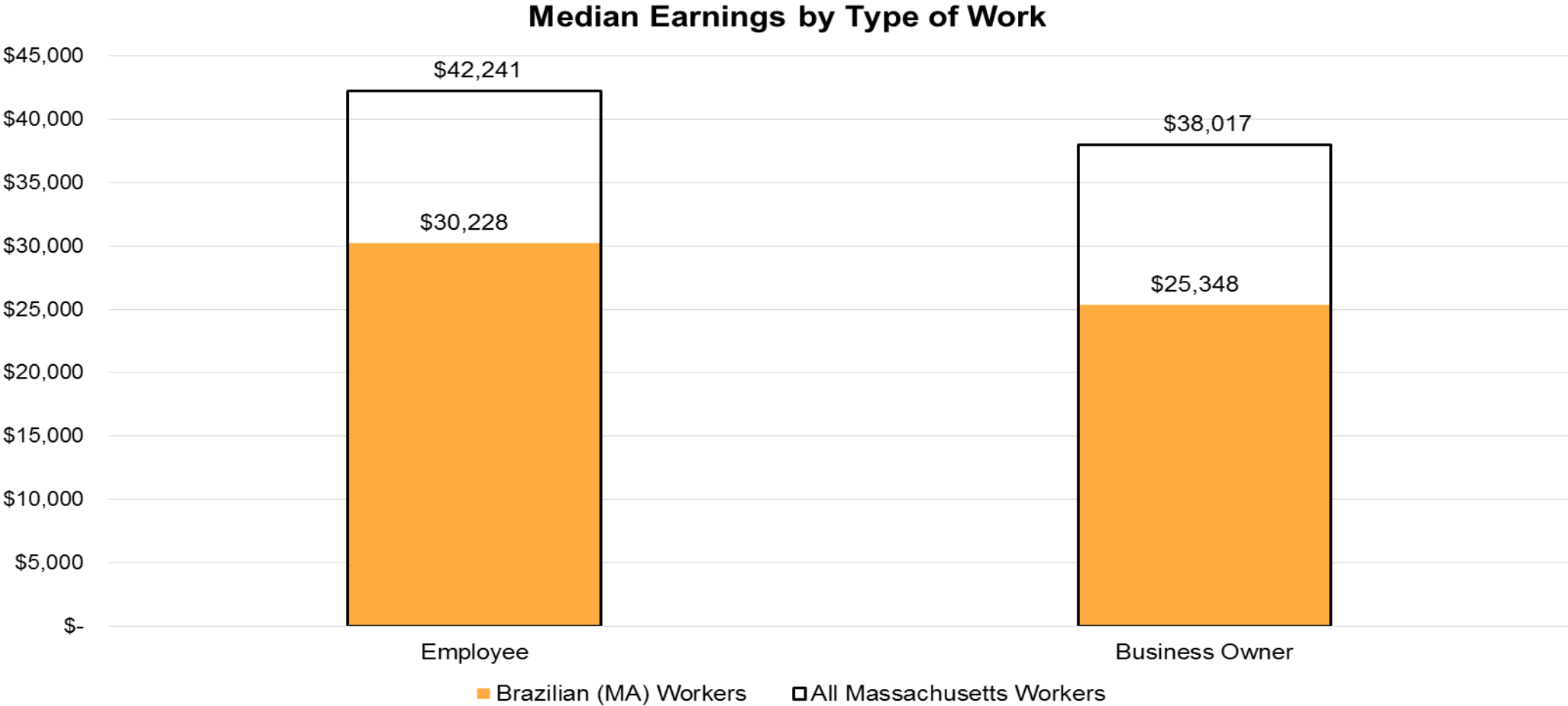
Almost half of Brazilians end their education at high school.



Brazilian employees earn about \$5,000 more than their counterparts who are business owners.



About 24% of Brazilian workers in Massachusetts are self-employed, compared to about 9% of all Massachusetts workers.

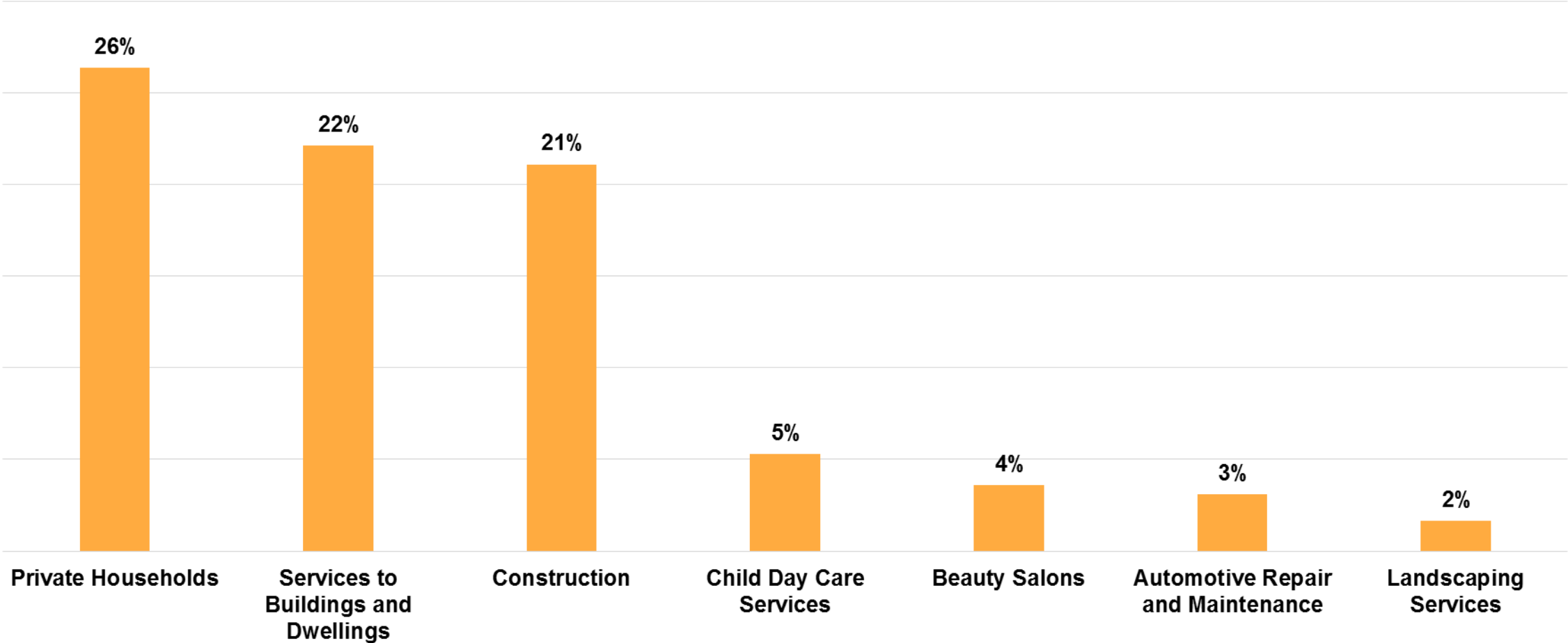


Source: U.S. Census Bureau, 2012-2016 American Community Survey, PUMS, BPDA Research Division.
Note: Includes part-time and seasonal workers.

Brazilian businesses tend to be small and concentrated in low-paying service industries.

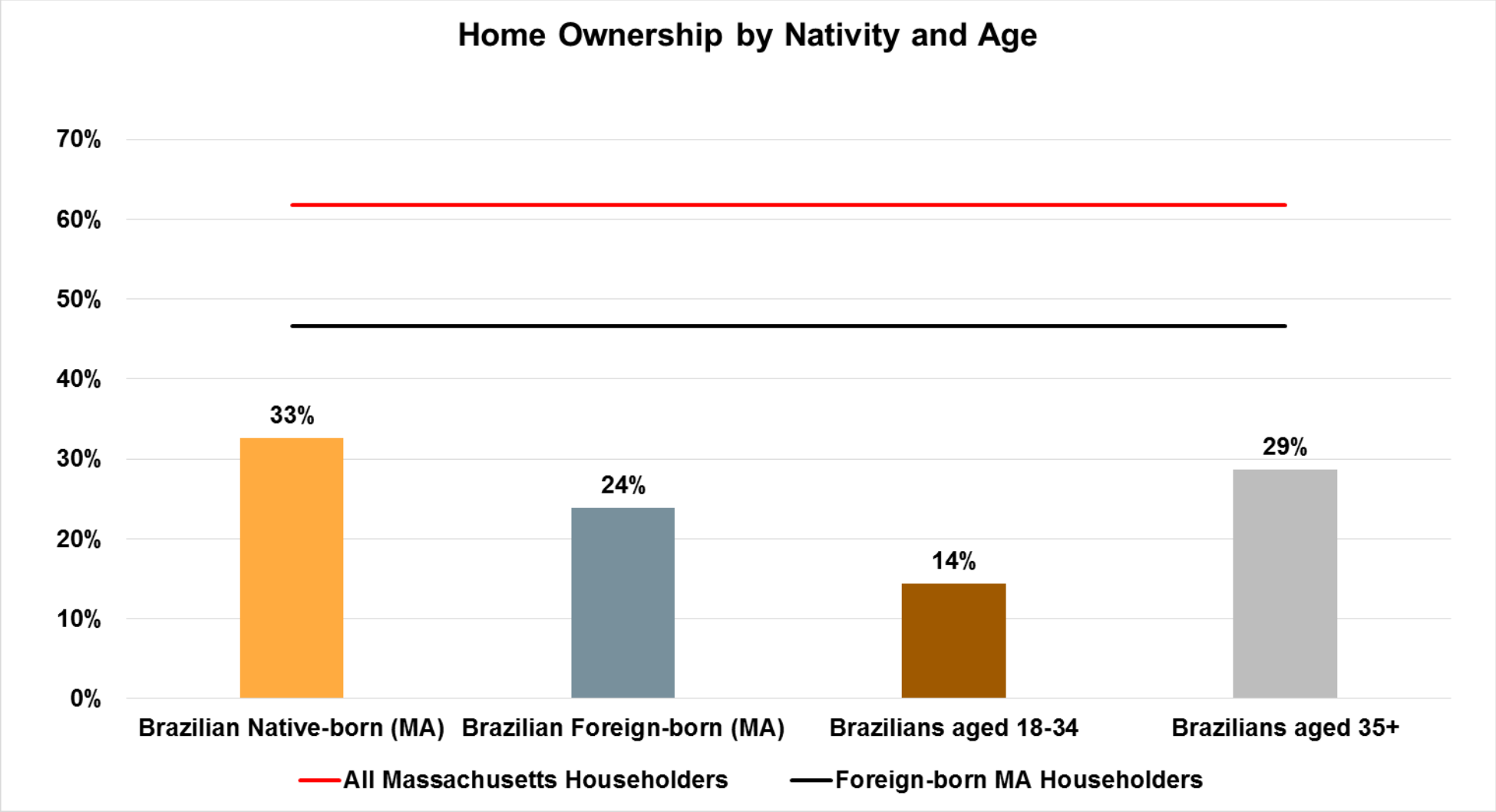


Self-Employed Brazilians in Massachusetts by Top Industries



Source: U.S. Census Bureau, 2012-2016 American Community Survey, PUMS, BPDA Research Division.

Brazilian householders in Massachusetts own homes at lower rates than the state averages.



Source: U.S. Census Bureau, 2012-2016 American Community Survey, PUMS, BPDA Research Division.
Note: Only includes householders.

Caribbeans



Mayor Martin J. Walsh

Caribbeans included in this analysis are from the following islands or identified with a similar ancestry.



Anguilla, Antigua & Barbuda, Aruba, Bahamas, Barbados, Cuba, Dominica, Grenada, Guadeloupe, Jamaica, Martinique, Montserrat, Netherlands Antilles, St. Barthelemy, St. Kitts-Nevis, St. Lucia, St. Maartin, St. Vincent & the Grenadines, Trinidad & Tobago, Turks & Caicos Islands, U.S. Virgin Islands, and West Indies.¹

¹Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.

Caribbeans' contribution to the economy as workers and entrepreneurs is significant.

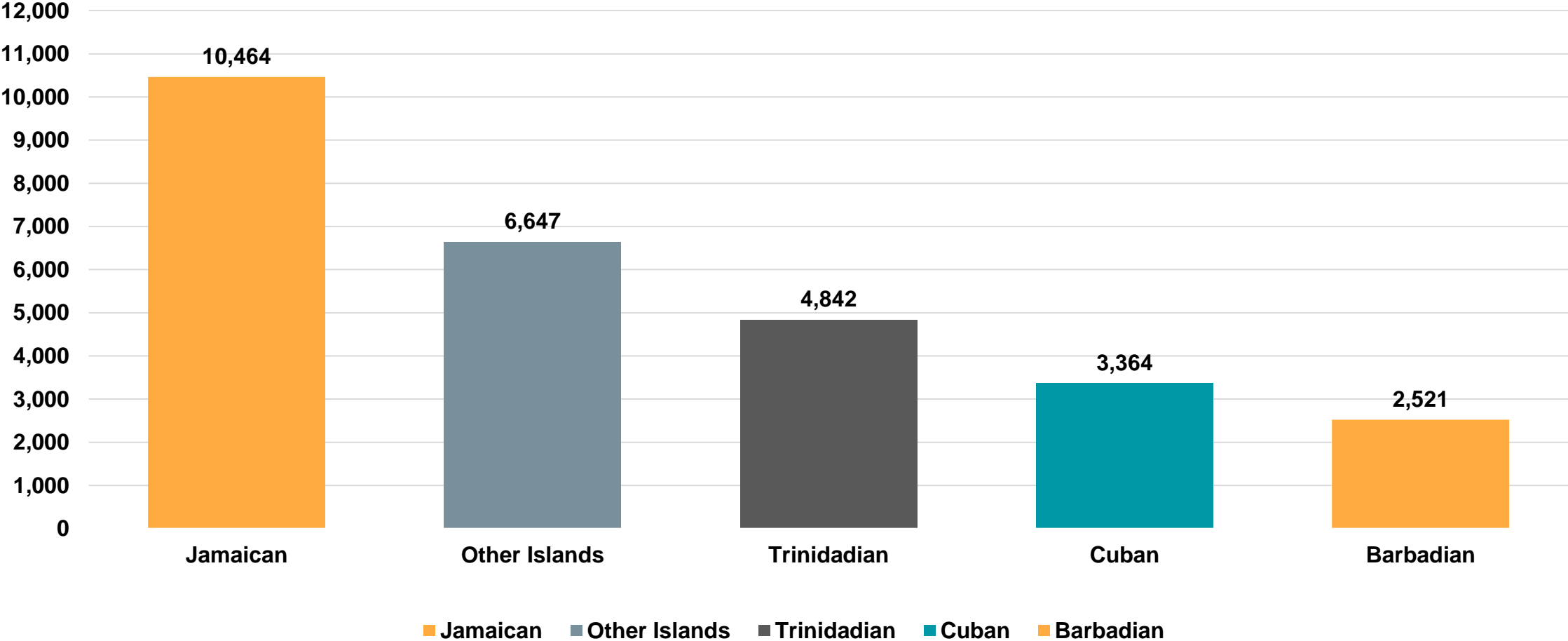


- **Caribbeans make up 4% of Boston's population (27,838 people).**
- **Caribbeans living in Boston hold 14,931 jobs and actively own approximately 490 businesses.**
- **Caribbeans in Boston earned \$705 million in income in 2017.**
- **Caribbeans' consumer demand supported an additional 2,531 jobs and contributed \$392.3 million to Boston's gross city product in 2017.**
- **Caribbeans contributed \$36.0 million in state income taxes and \$11.6 million in state sales taxes in 2017.**

The majority of Boston's Caribbeans in 2017 are of Jamaican ancestry.

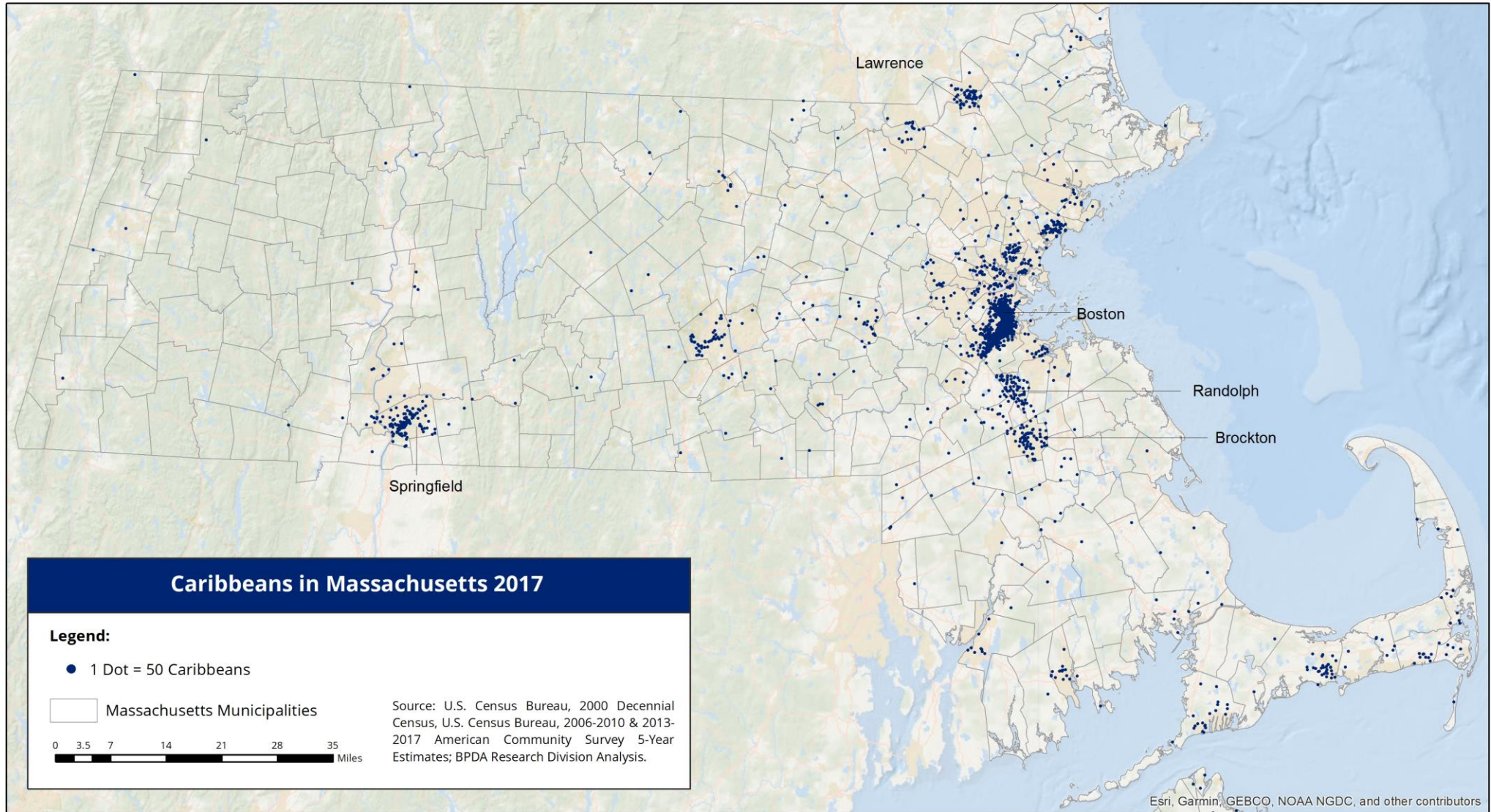


Composition of the Caribbean Population

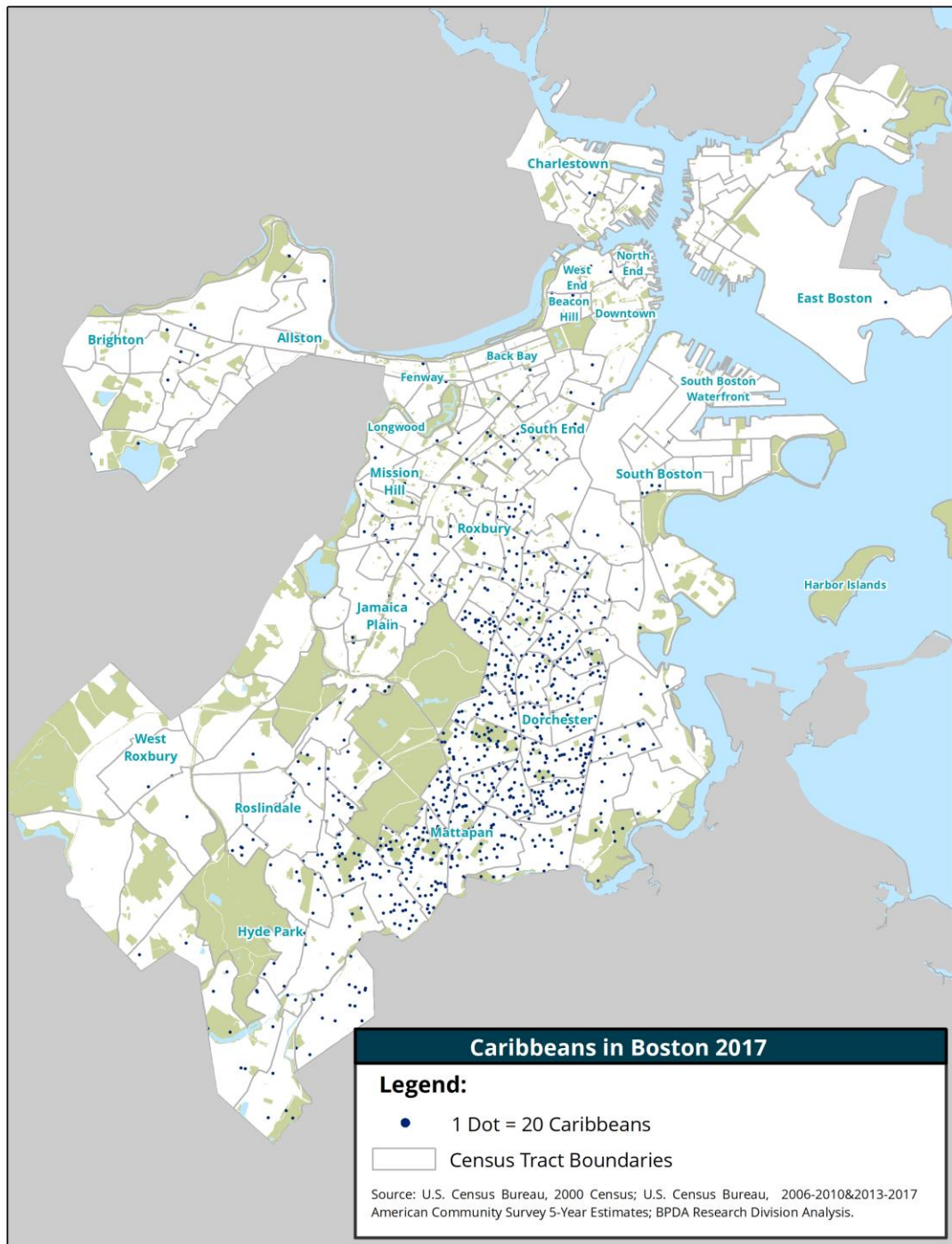


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division. Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.

The 76,033 Caribbeans in Massachusetts in 2017 lived primarily in Boston, Springfield, Lawrence, Brockton, & Randolph.



Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.



Caribbeans in Boston in 2017 lived predominantly in Mattapan and Dorchester.

Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.

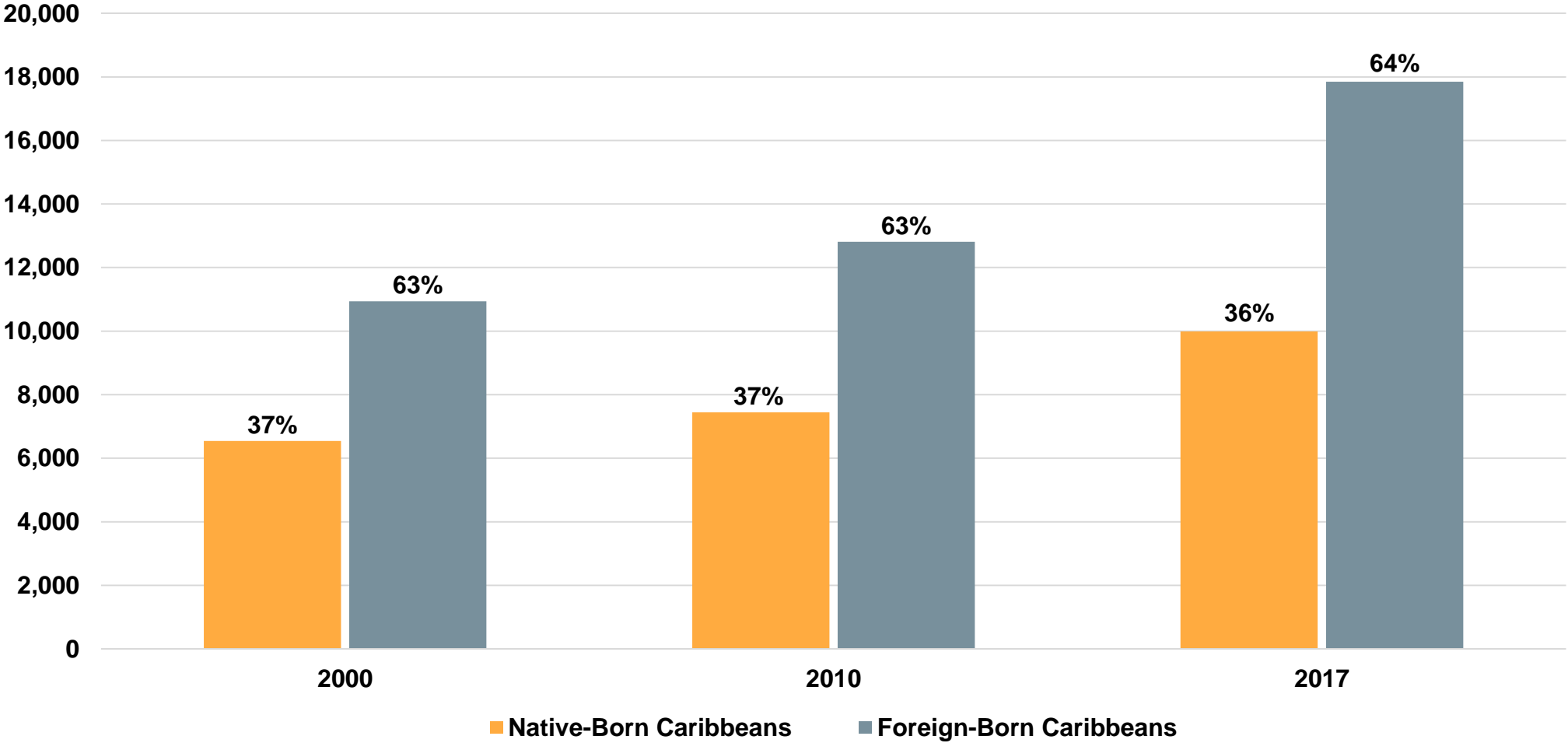
This Caribbean population in Boston has grown by 59% since 2000.



Caribbeans in Boston by Nativity

Native-born Caribbeans were born in the United States and have U.S. citizenship from birth.

Foreign-born Caribbeans are more likely naturalized U.S. citizens than non-citizens.

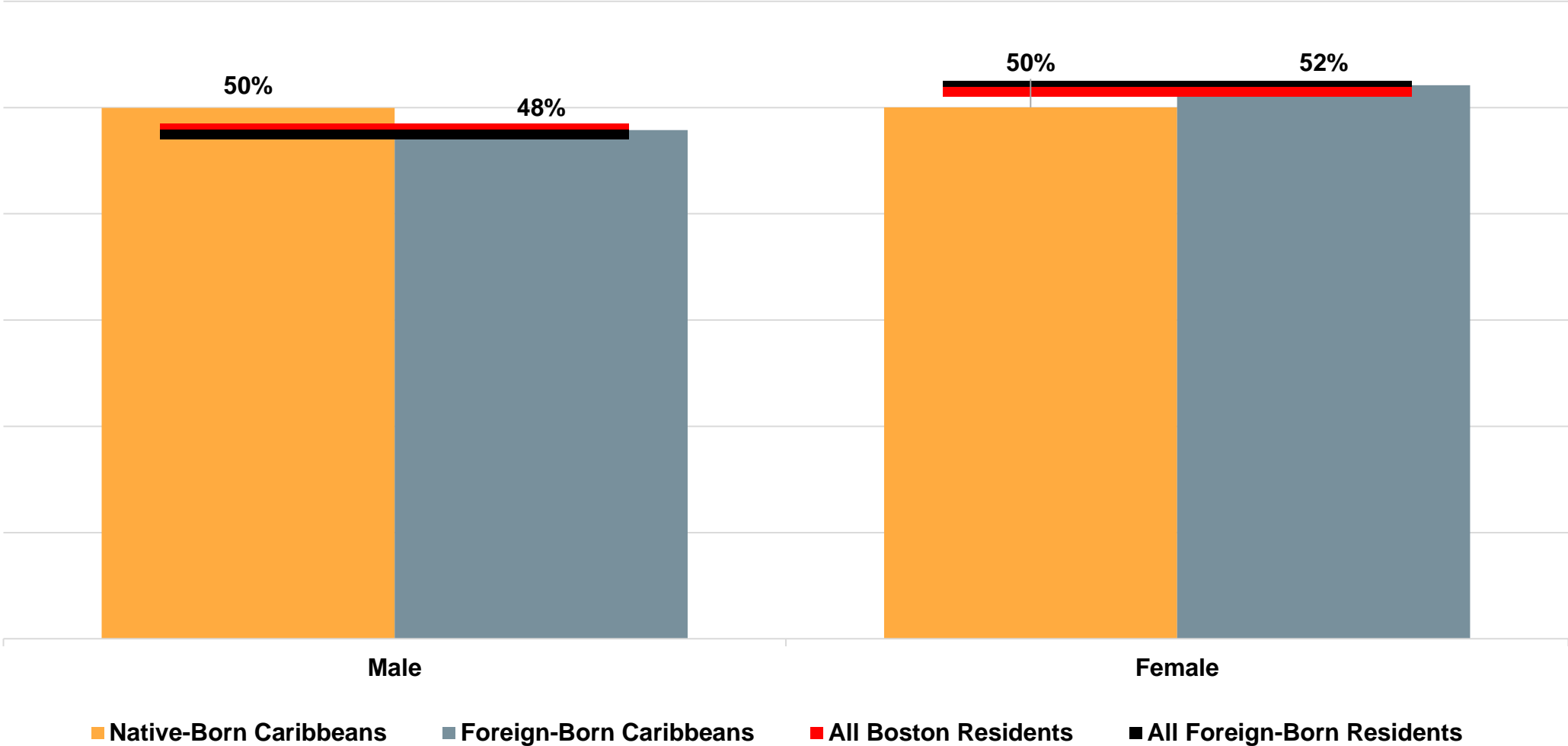


Source: U.S. Census Bureau, 2000 Decennial Census, 2006-2010 & 2013-2017 American Community Survey, PUMS, BPDA Research Division. Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.

52% of the foreign-born Caribbean population is female.



Caribbeans by Gender and Nativity

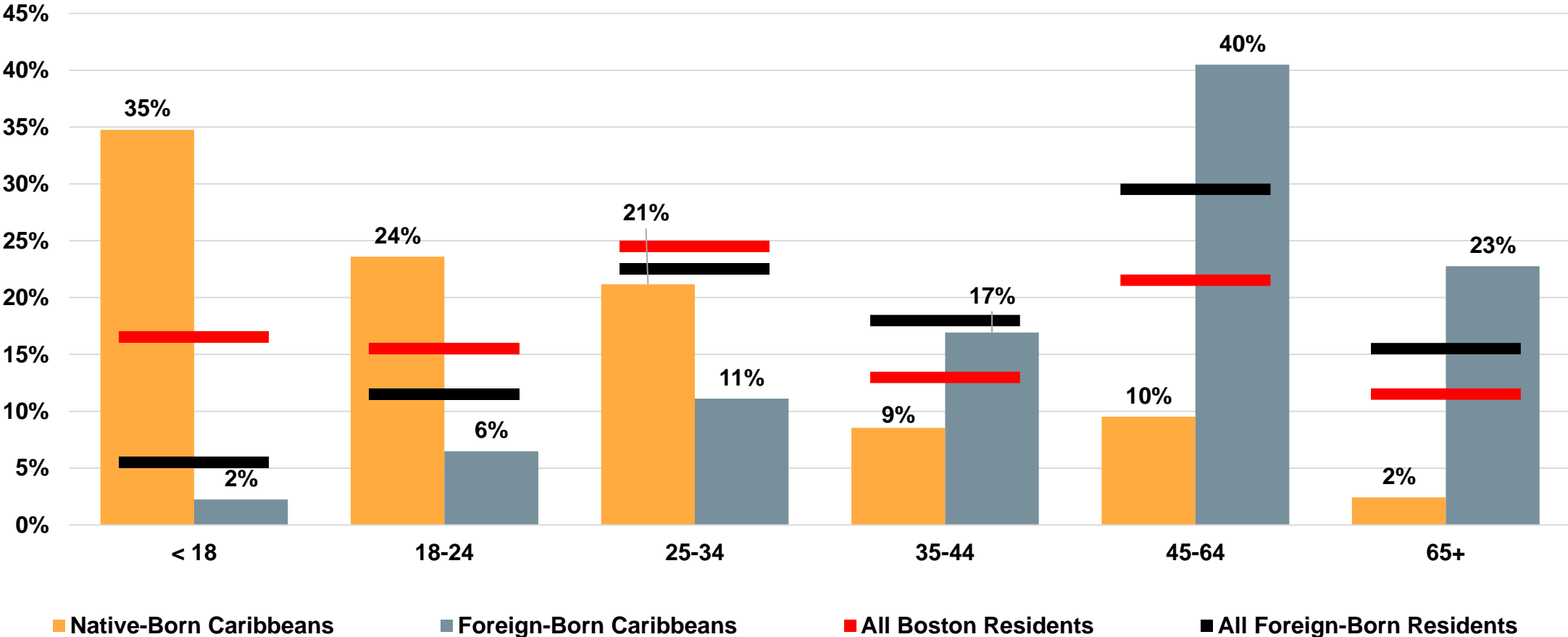


Source: U.S. Census Bureau, 2013-2017 American Community Survey, PUMS, BPDA Research Division. Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.

63% of foreign-born Caribbeans are 45 or older, while 35% of native-born Caribbeans are children.



Age Distribution of Caribbeans

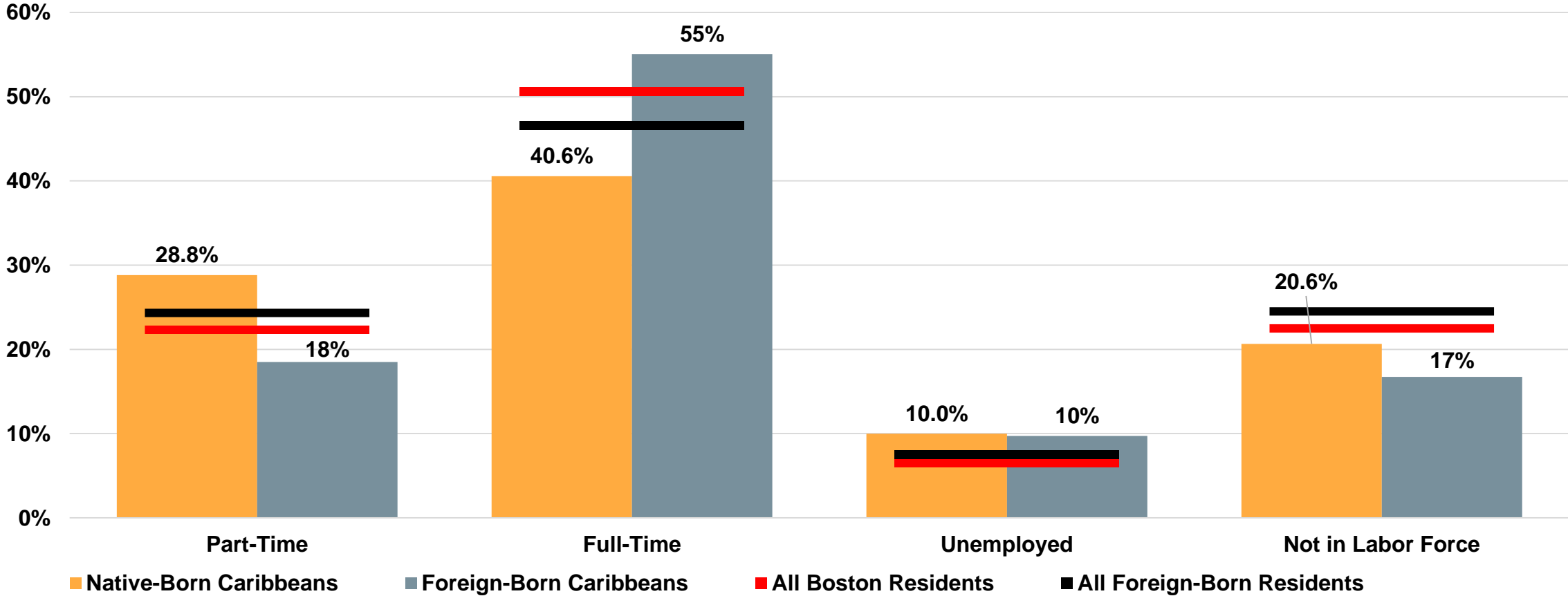


Source: U.S. Census Bureau, 2013-2017 American Community Survey, PUMS, BPDA Research Division. Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.

Over half of the foreign-born Caribbean adult population works full-time.



Employment Status of Caribbeans (18-64 Years)

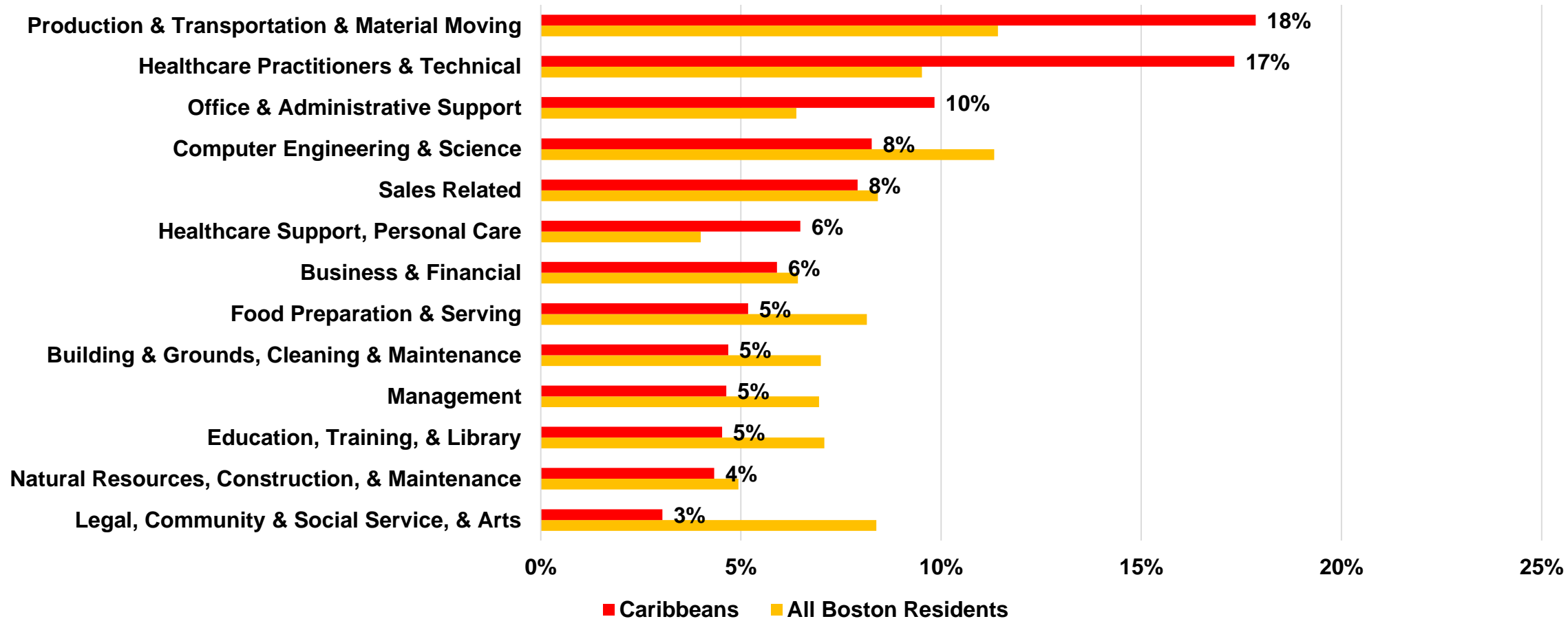


Source: U.S. Census Bureau, 2013-2017 American Community Survey, PUMS, BPDA Research Division.
 Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.
 Note: Unemployment in the 5-year ACS is not comparable to the monthly citywide unemployment rate given by the Bureau of Labor Statistics.

35% of Caribbeans work in production, transportation & material moving or healthcare practitioners & technical occupations.



Caribbean Workers by Occupation

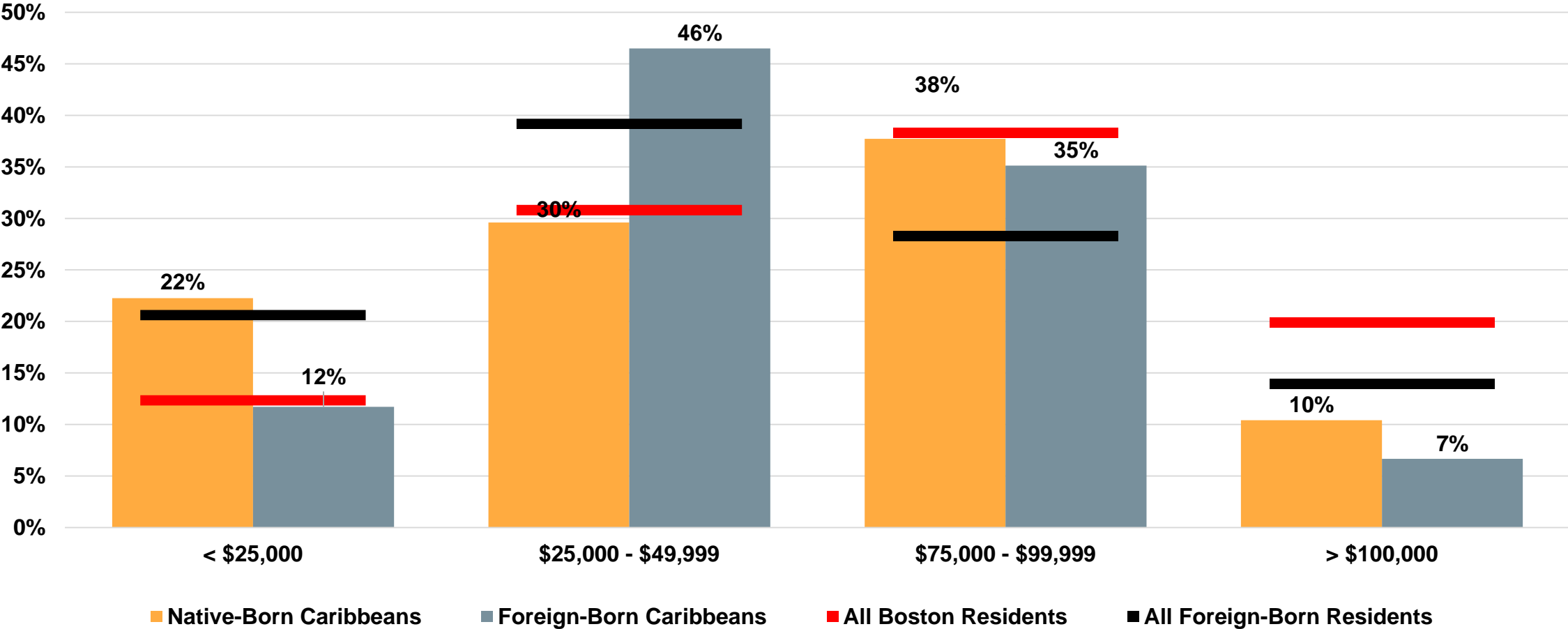


Source: U.S. Census Bureau, 2013-2017 American Community Survey, PUMS, BPDA Research Division. Excludes Puerto Rico, Haiti, and the Dominican Republic because they were covered in previous presentations.

Native-born Caribbean full-time workers' median income is \$47,525 compared to \$45,503 for foreign-born Caribbeans.



Earnings of Full-Time, Full-Year Workers



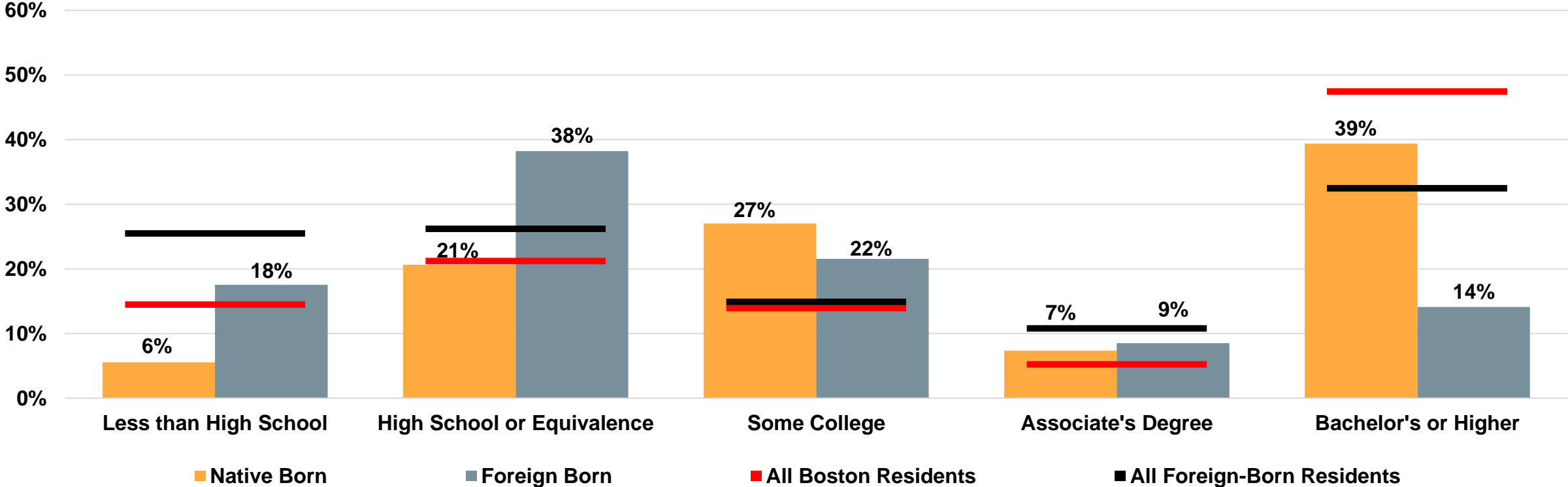
Source: U.S. Census Bureau, 2013-2017 American Community Survey, PUMS, BPDA Research Division.

Improving Caribbeanans' educational attainment will allow greater contribution to Boston's economy.



18% of foreign-born Caribbeanans have less than a high school education.
39% of native-born Caribbeanans aged 25 or older have at least a Bachelor's degree.

Educational Attainment of Caribbeanans by Nativity (Age 25+)

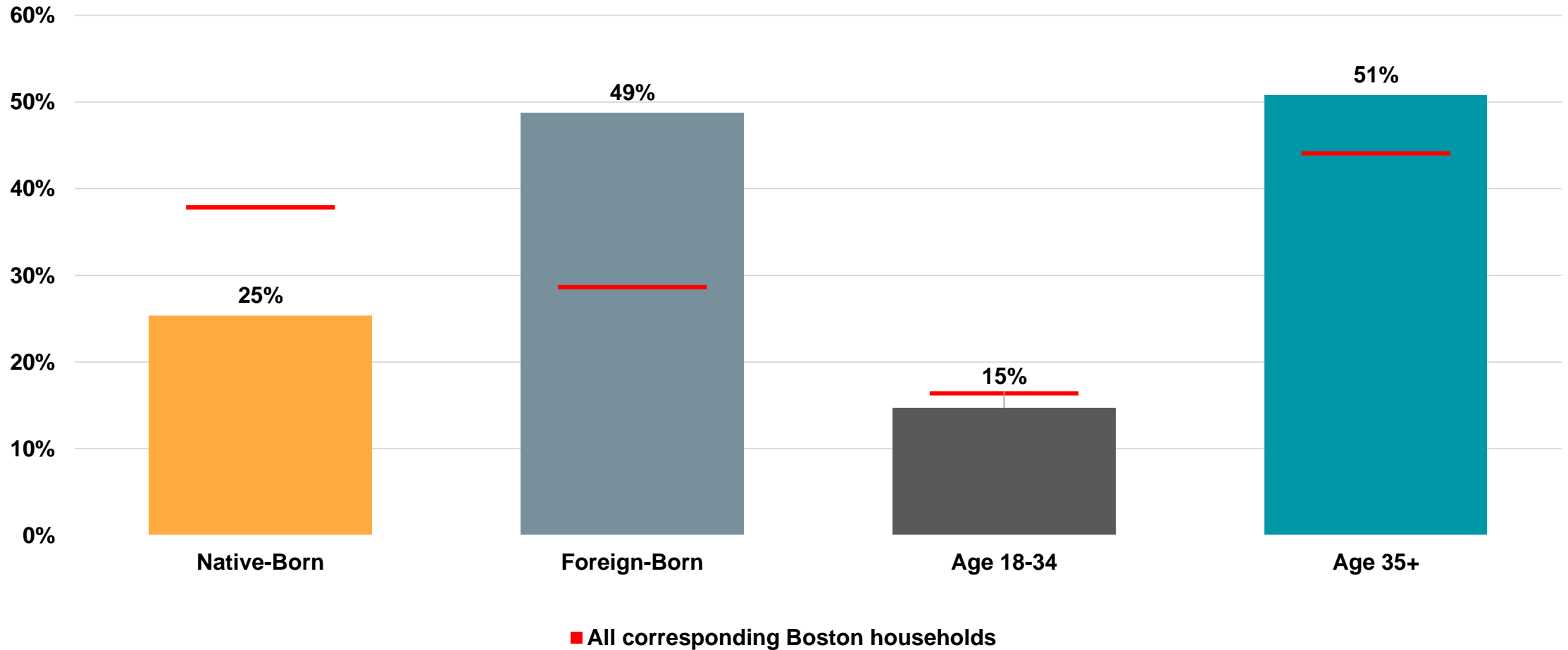


Source: U.S. Census Bureau, 2013-2017 American Community Survey, PUMS, BPDA Research Division.

25% of native-born and 49% of foreign-born Caribbean householders own their homes in Boston.



Homeownership Rate of Caribbean Households by Nativity & Age

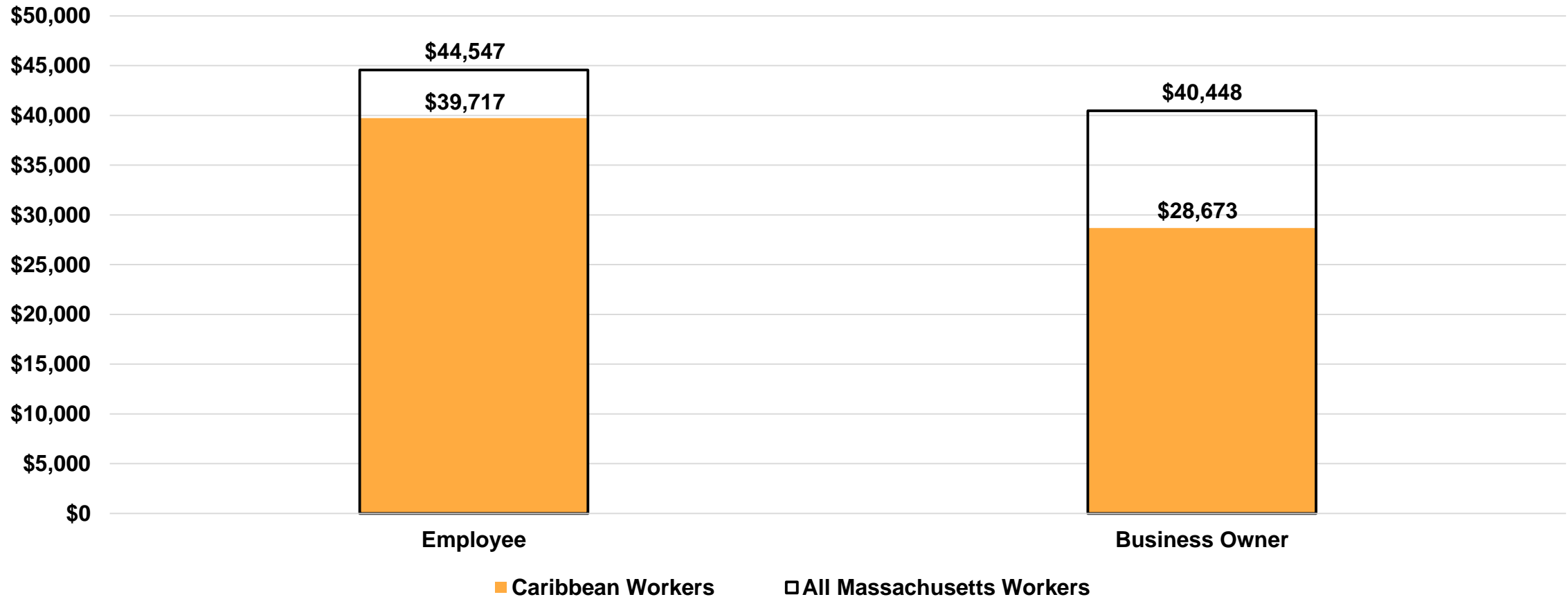


Employed Caribbean business owners in Massachusetts earn less than their counterparts who are employees.



3.3% of employed Caribbeans in Boston are business owners, compared to 5.5% of all employed Boston residents.

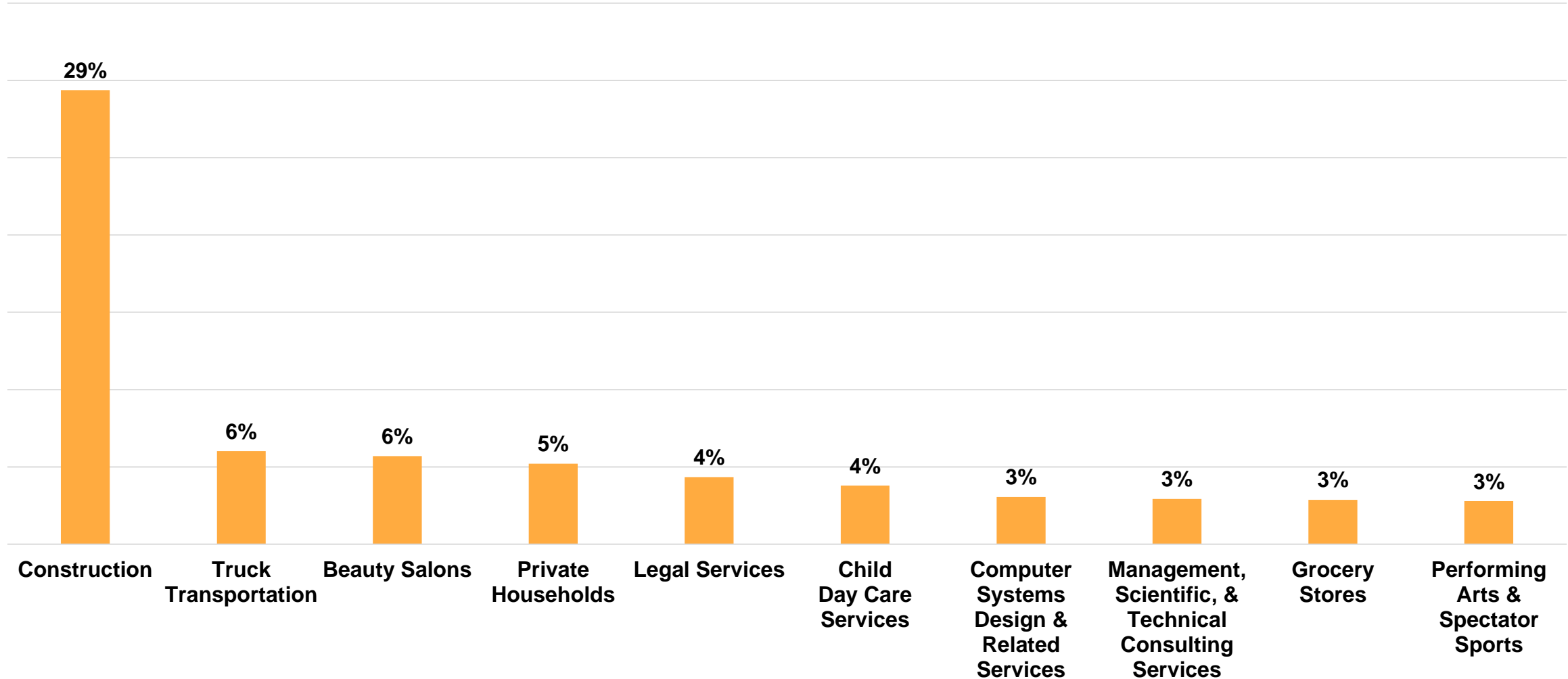
Caribbean Median Earnings by Type of Work



Over a quarter of self-employed Caribbeans in Massachusetts work in construction.



Self-Employed Caribbeans in Massachusetts by Industry



Source: U.S. Census Bureau, 2013-2017 American Community Survey, PUMS, BPDA Research Division.
Note: Massachusetts data are used due to small sample size in Boston.

Vietnamese



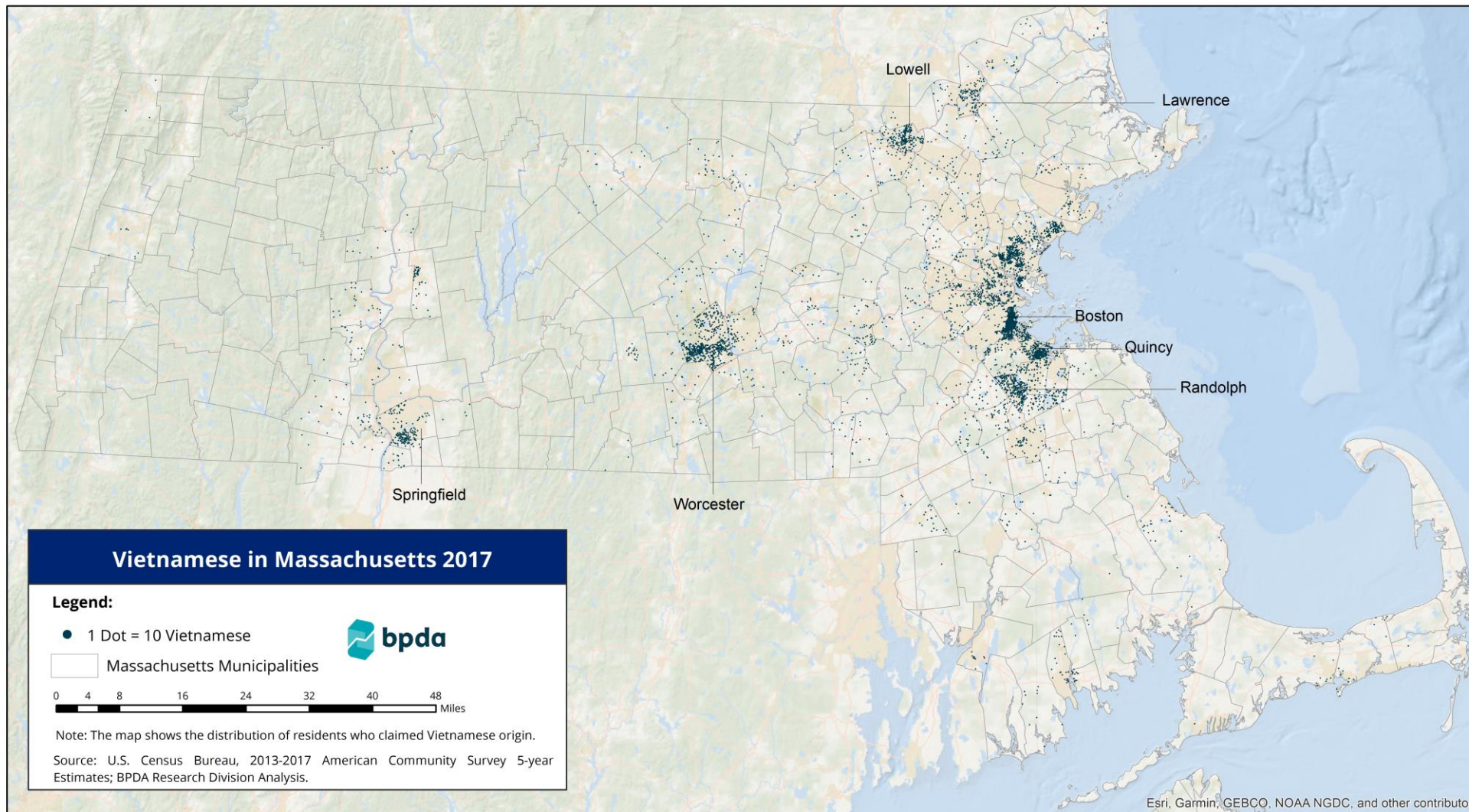
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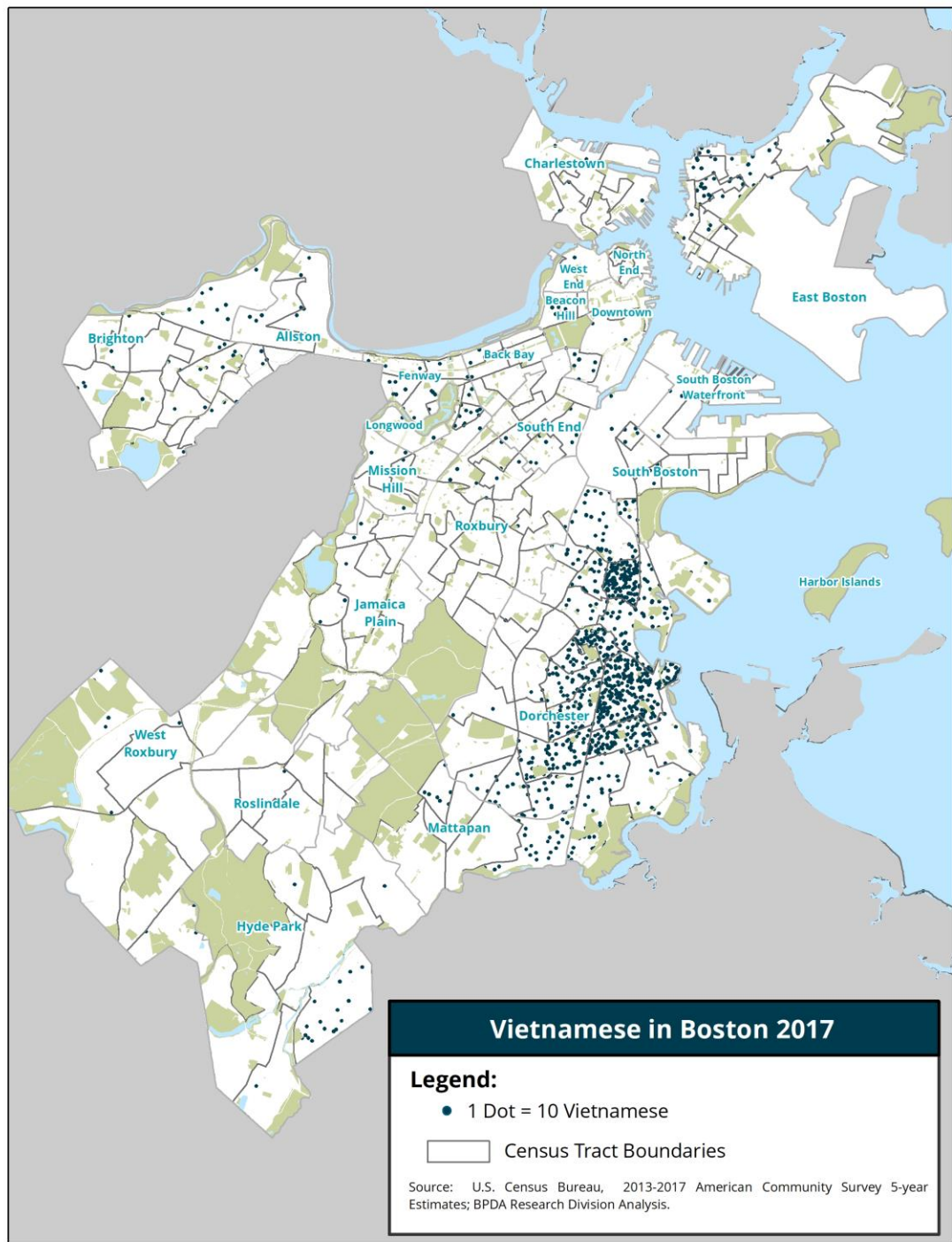
Vietnamese contribution to the economy as entrepreneurs and workers is significant.



- **Vietnamese, people born in Vietnam or who identify as having Vietnamese ancestry, made up 1.9% of Boston's population (12,704 people) in 2017.**
- **Vietnamese in Boston had a total income of \$248 million in 2017.**
- **Vietnamese comprised 1.6% of Boston's resident labor force in 2017 (5,806 workers), 6% of which are self-employed or business owners.**
- **Vietnamese consumer demand supported an additional 799 jobs and contributed \$122.4 million to Boston's gross city product in 2016.**
- **Vietnamese contributed \$12.4 million in state income taxes and \$4.0 million in state sales taxes in 2016.**

The 53,700 Vietnamese in Massachusetts live primarily in Boston, Quincy, Randolph, Lowell, and Worcester.



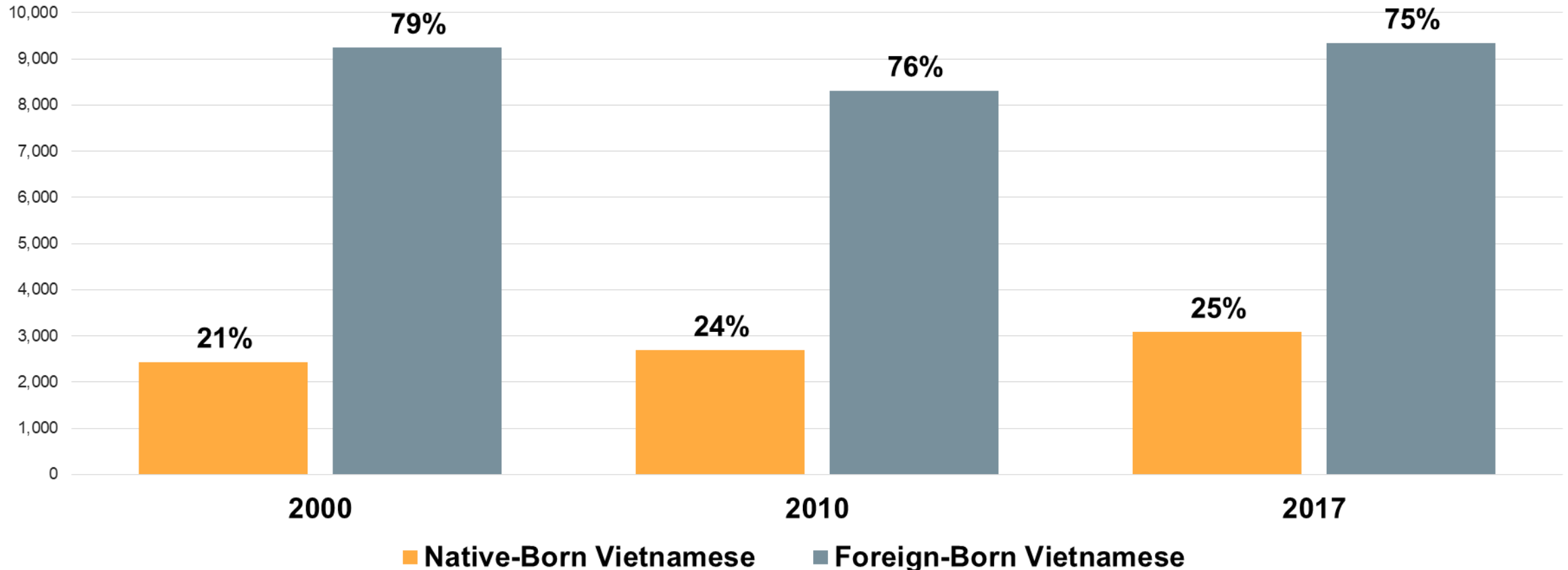


Boston Vietnamese predominantly live in Dorchester.

The Vietnamese population of Boston has been fairly constant since 2000 with a growth rate of 6%.



Vietnamese Residents by Nativity



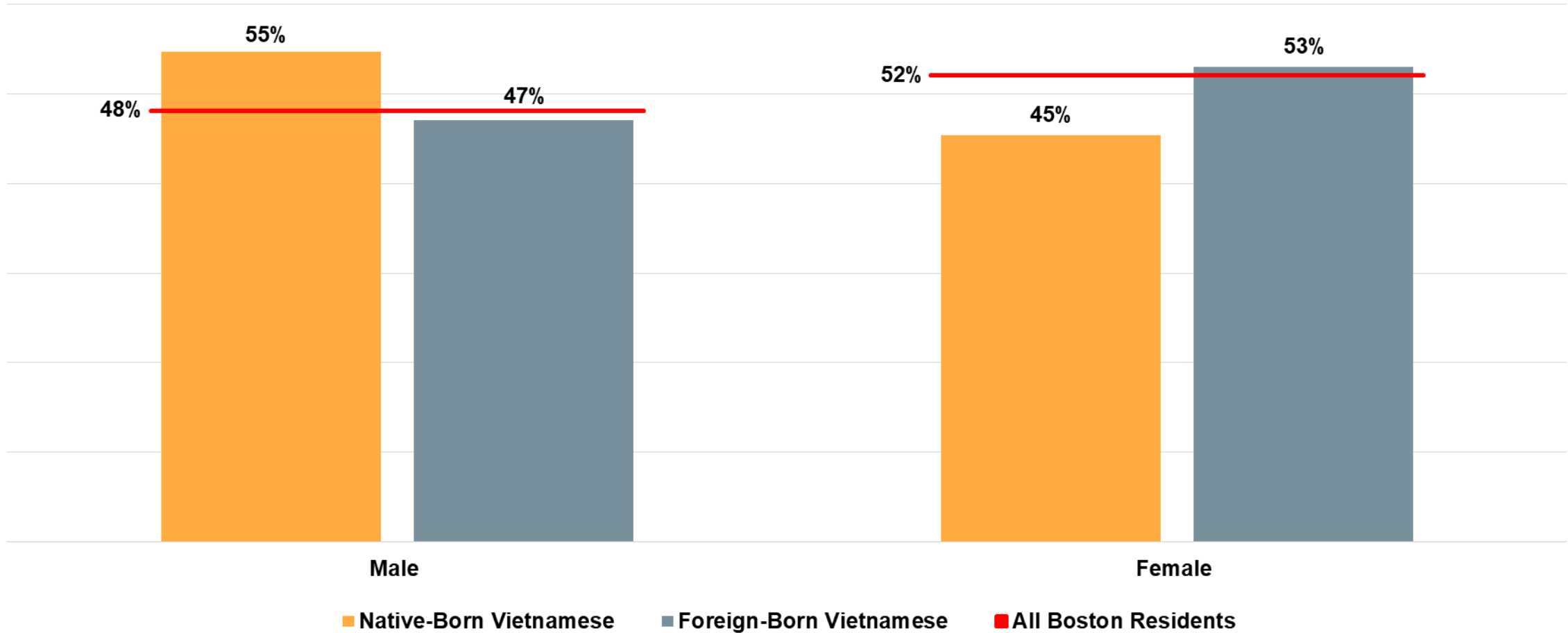
“Native-born” Vietnamese were typically born in the United States and have United States citizenship from birth.

“Foreign-born” Vietnamese were typically born in Vietnam, but may be naturalized United States citizens.

The native-born Vietnamese population is predominantly male.



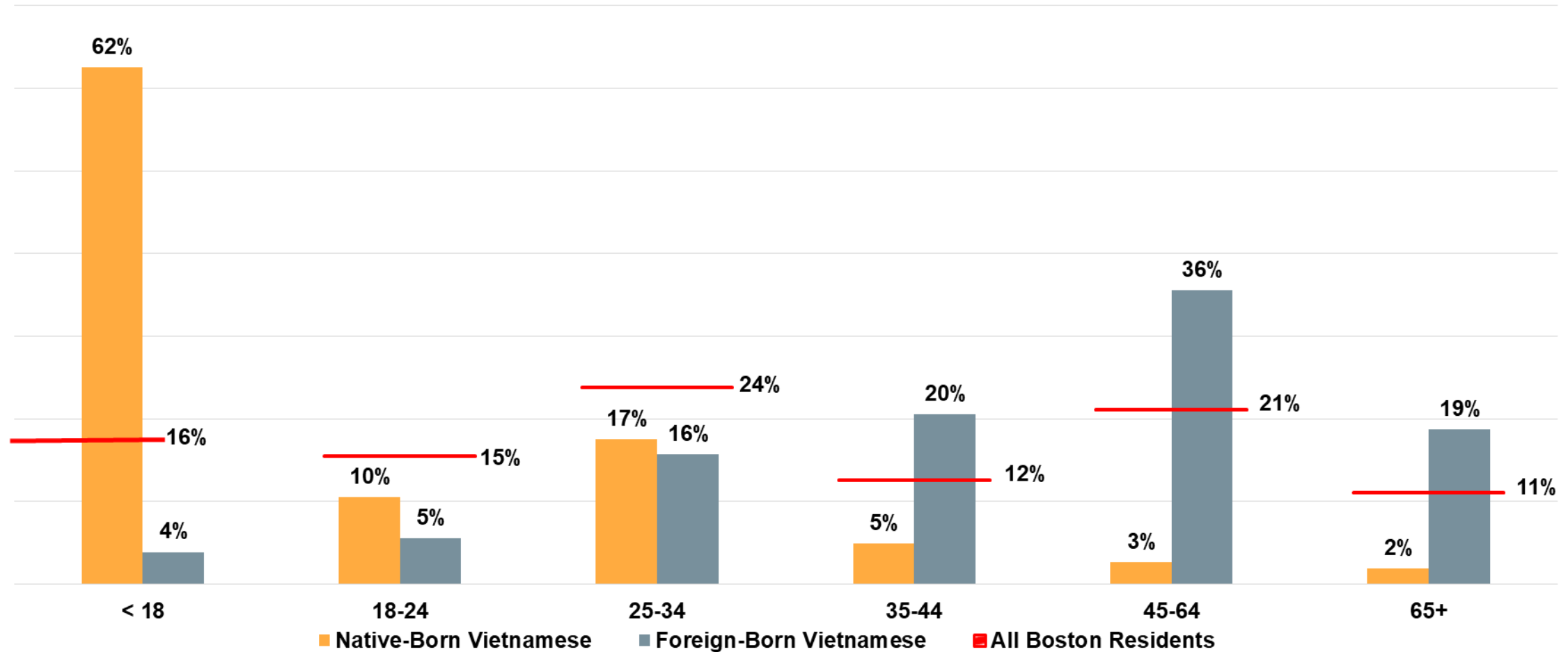
Vietnamese by Gender and Nativity



The foreign-born Vietnamese population is older while more than half of native-born Vietnamese are children.



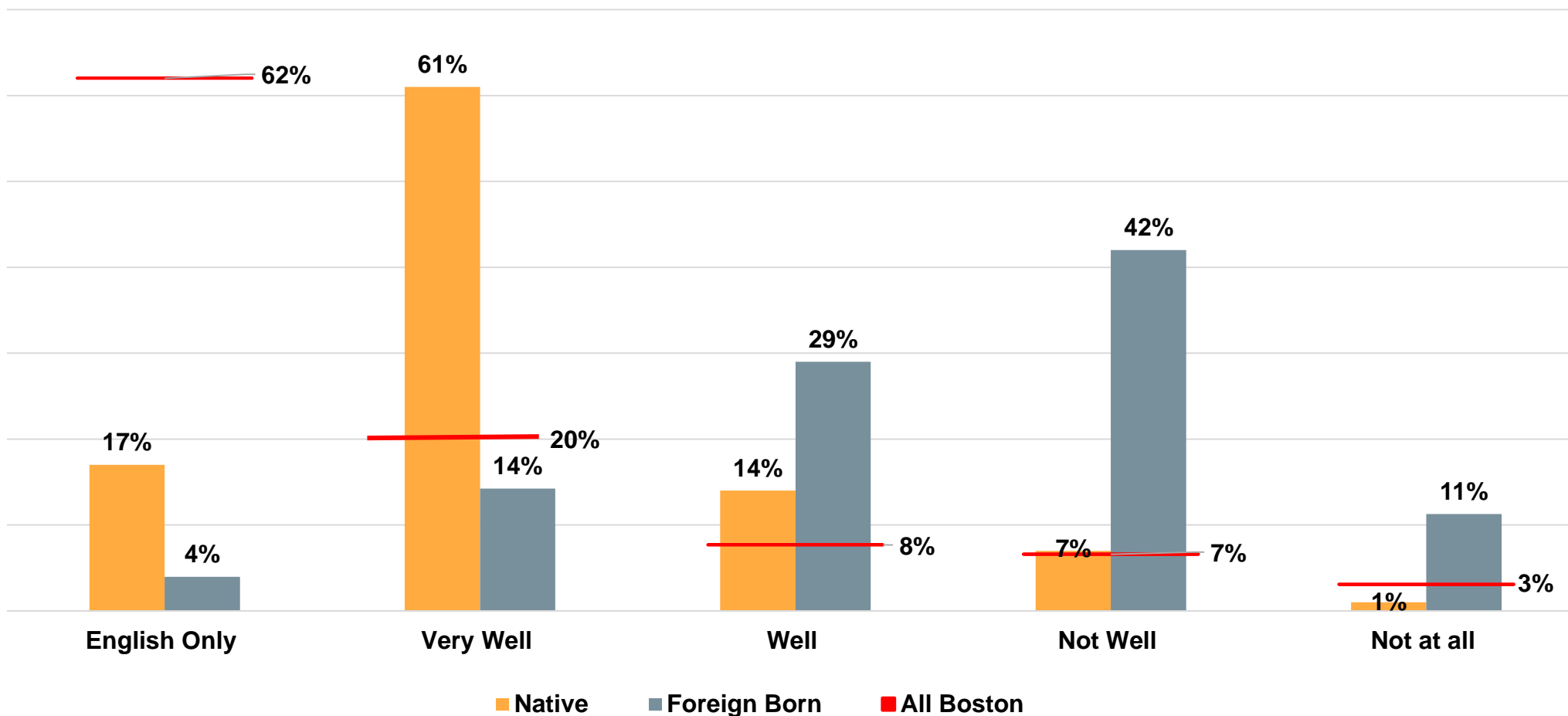
Vietnamese Age Distribution by Nativity



Native-born Vietnamese speak English very well, while many foreign-born Vietnamese do not.



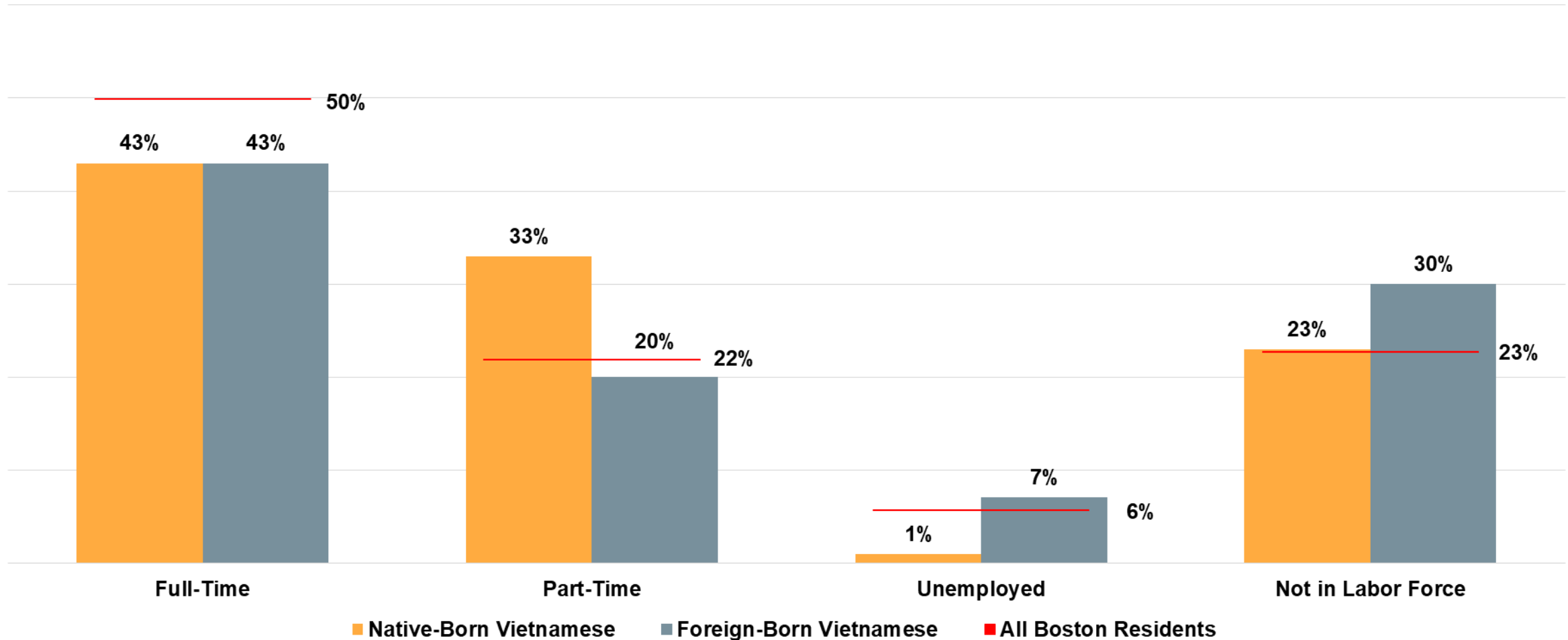
Vietnamese English Proficiency (Age 5+)



Only 43% of the total Vietnamese population in Boston are employed full-time. 29% do not participate in the labor force.



Employment Type (Ages 18-64)

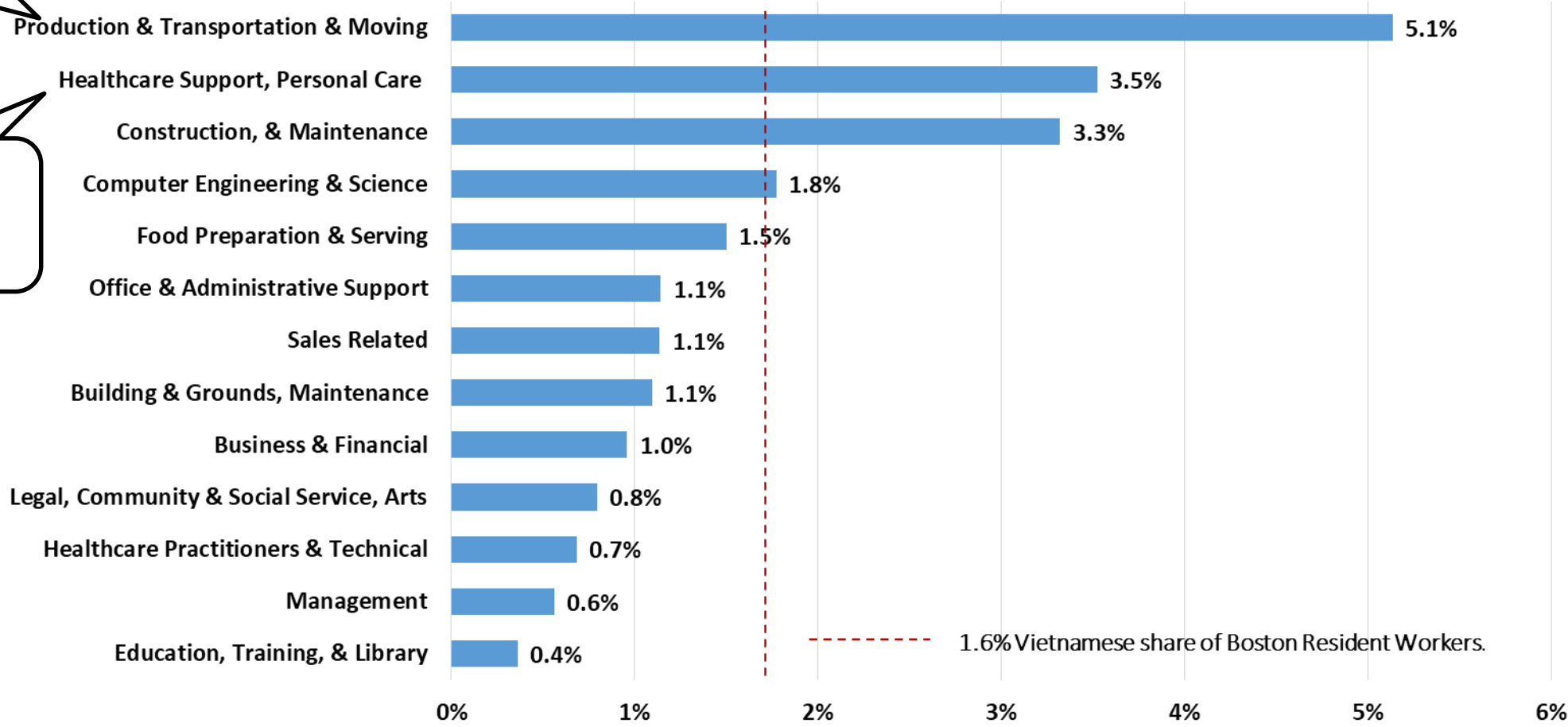


Vietnamese Workers Are Most Overrepresented in Production & Transportation & Material Moving and Healthcare Support, Personal Care & Service & Protective Services Occupations.

26% of Vietnamese males are in these occupations.

33% of Vietnamese females are in these occupations.

Vietnamese Share of Occupations

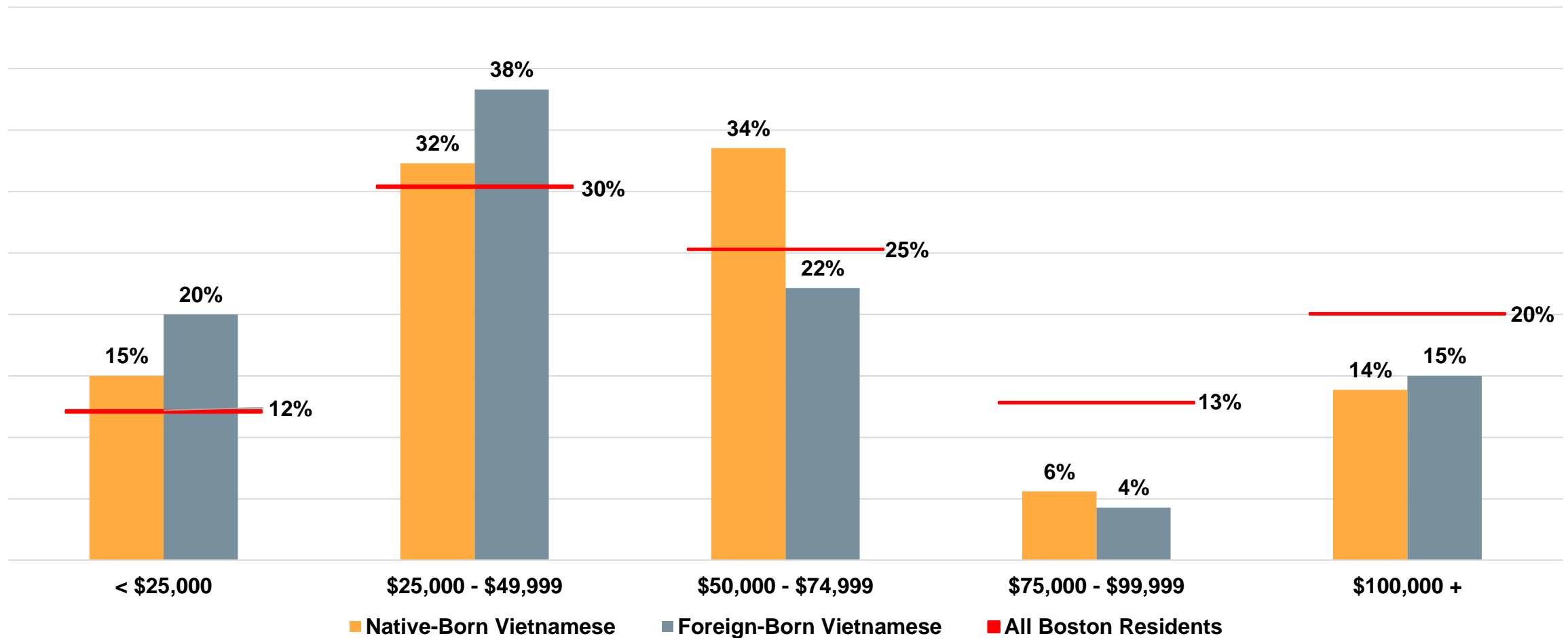


Source: U.S. Census Bureau, 2013-2017 ACS Community Survey, PUMS, BPDA Research Division.

Only 20% of native-born, full-time Vietnamese workers earn more than \$75,000 annually.



Vietnamese Earnings of Full-Time, Full-Year Workers

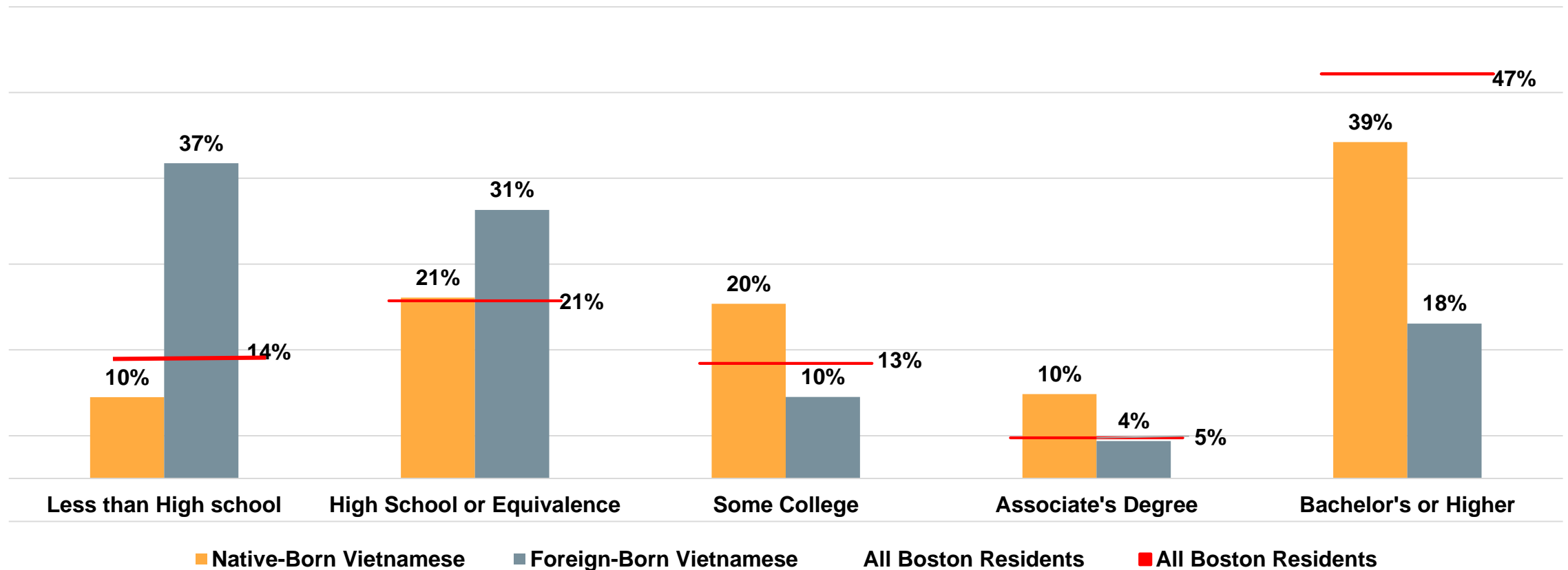


Improving Vietnamese educational attainment will allow greater contribution to Boston's economy.

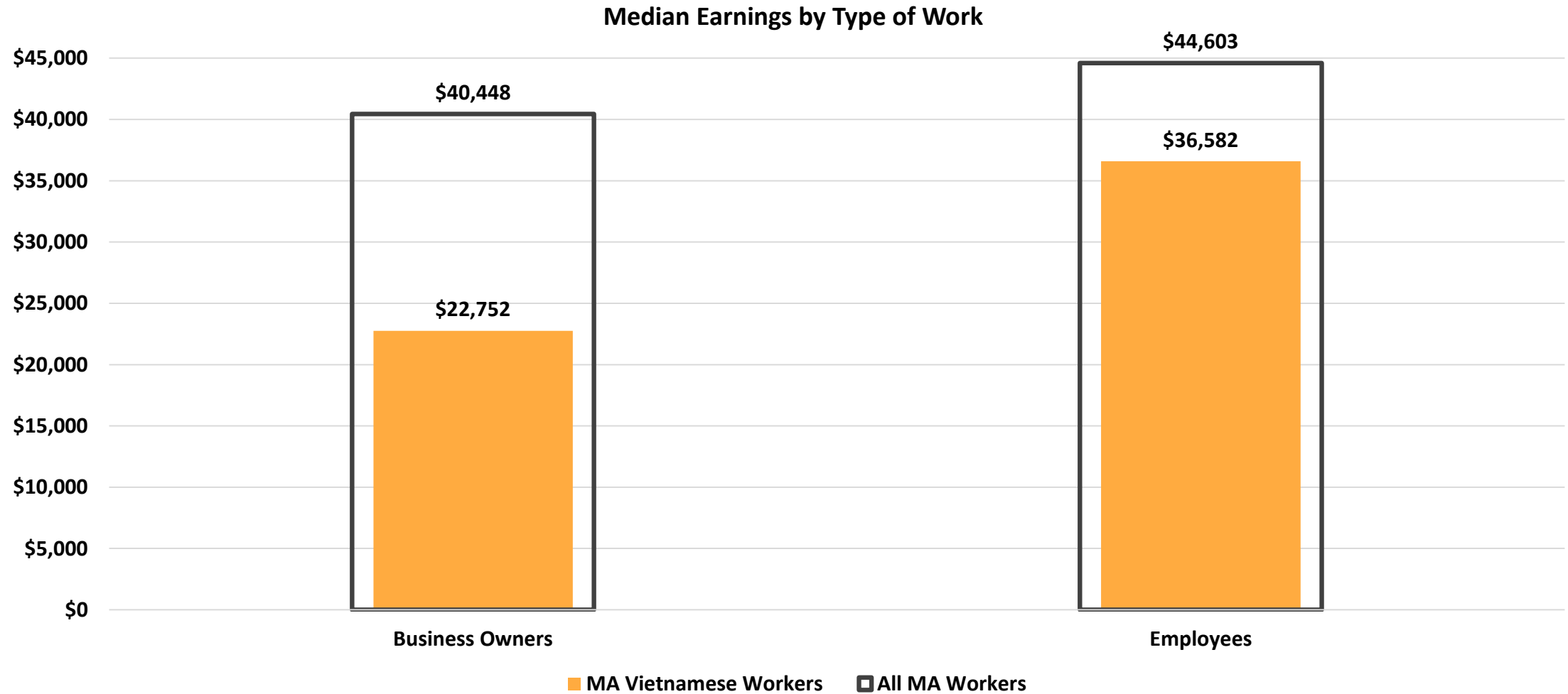


37% of foreign-born Vietnamese have less than a high school education.
20% of native-born Vietnamese started college, but have not finished a degree.

Vietnamese Educational Attainment by Nativity (Age 25+)



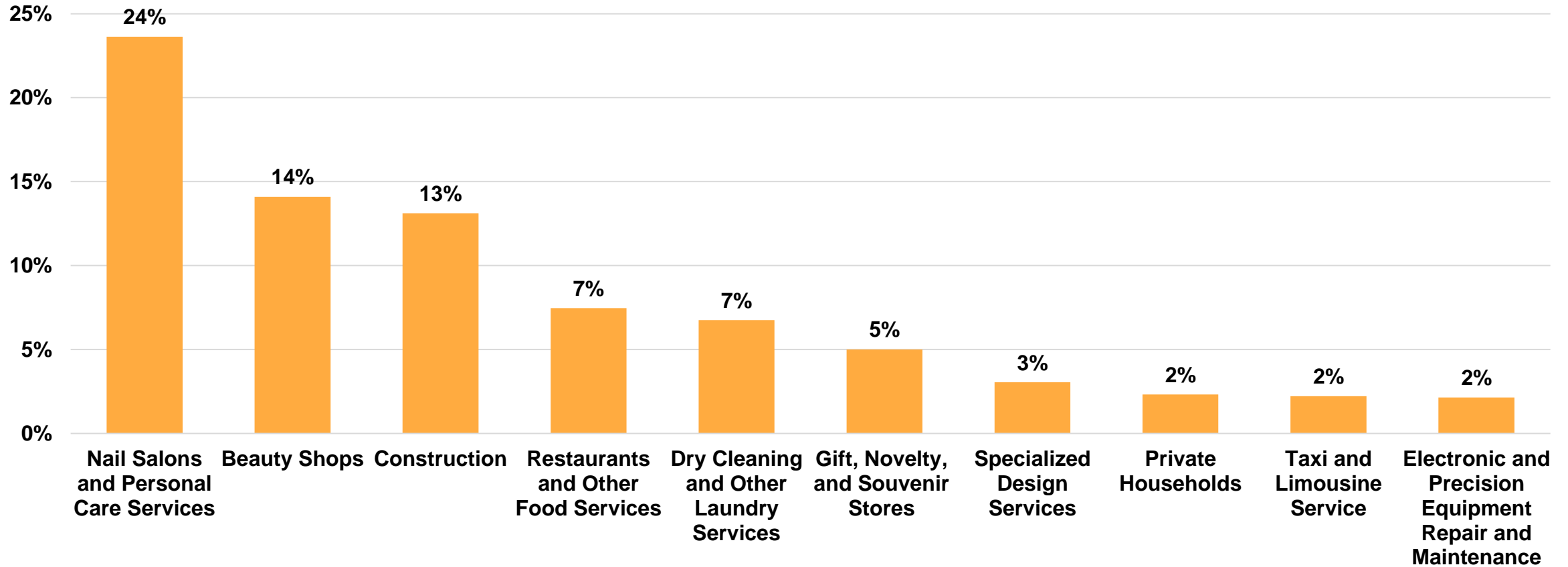
Vietnamese business owners in Massachusetts earn \$14,000 less than those who are employees.



Vietnamese businesses in Massachusetts tend to be small and concentrated in lower-paying service industries.



Self-Employed Vietnamese by Top Industries



Only 10% of native-born and 34% of foreign-born Vietnamese householders in Boston own their homes.



Vietnamese Homeownership Rates by Nativity and Age of Householder

