

Health of Boston

2016-2017

Appendix of Data Tables

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Chapter 1: Demographics

Table 1.1 Boston Population, 1900-2010

	Number of Residents
1900	560,892
1910	670,585
1920	748,060
1930	781,188
1940	770,816
1950	801,444
1960	697,197
1970	641,071
1980	562,994
1990	574,283
2000	589,141
2010	617,591

Data values are counts of residents.

DATA SOURCE: Decennial Censuses 1900-2010, U.S. Census Bureau

Table 1.2 Boston Population by Race/Ethnicity, 2000 and 2010

	2000	2010
Asian	7.5	8.9
Black	23.8	22.4
Latino (of any race)	14.4	17.5
Other race (1)	1.7	1.8
Two or more races	3.1	2.4
White	49.5	47.0

Data values are percent of population.

(1) Includes American Indians/Alaskan Natives and individuals who identify as some other race

DATA SOURCE: Decennial Censuses 2000 and 2010, U.S. Census Bureau

Demographics

Table 1.3 Population by Race/Ethnicity and Year

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 1.4. Boston Population by Neighborhood, 2000 and 2010

This figure contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 1.5 Boston Population by Neighborhood and Race/Ethnicity (%), 2000 and 2010

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 1.6 Boston Population Counts by Neighborhood and Race/Ethnicity, 2000 and 2010

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 1.7 Population by Racial/Ethnic Group Concentration by Census Tract, Boston, 2010

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 1.8 Population by Age Group, Boston and Massachusetts, 2010

	Boston	MA
Under 18	16.8	21.7
18 to 24	19.4	10.4
25 to 44	33.3	26.5
45 to 64	20.4	27.7
65 and over	10.1	13.8

Data values are percent of population.

DATA SOURCE: Decennial Census 2010, U.S. Census Bureau

Table 1.9 Population Under Age 18, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Demographics

Table 1.10 Children by Selected Indicators, 2015

	Percent (95% CI)
Boston	16.7 (16.1-17.4)
Sex	
Female	49.5 (47.5-51.4)
Male	50.5 (48.6-52.4)
Race/ethnicity	
Asian (1)	7.7
Black (1)	30.2
Latino (1)	30.7
White (1)	25.4
Age	
Under 5 years old	33.5 (32.5-34.5)
5-9 years old	25.1 (22.9-27.4)
10-14 years old	25.7 (23.5-27.9)
15-17 years old	15.7 (15.1-16.2)
Other indicators	
Have a disability	3.8 (2.7-5.0)
Receives public assistance	37.2 (33.1-41.3)
U.S.-born	92.5 (89.1-95.9)

Data values are percent of children.

(1) Due to limited information, confidence intervals for each racial/ethnic group could not be calculated and are therefore not available.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 1.11 Population Ages 65 and Older, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 1.12 Languages Most Frequently Spoken at Home, 2015

	Percent (95% CI)
Speak only English	62.3 (60.7-63.9)
Spanish or Spanish Creole	16.6 (14.7-18.5)
Chinese	4.5 (3.3-5.6)
French Creole	4.3 (1.6-7.0)
Portuguese or Portuguese Creole	1.8 (0.5-3.0)
Vietnamese	1.8 (0.6-3.0)

Data values are percent of population 5 years and older.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Demographics

Table 1.13 English Speaking Among Households, 2015

	Percent (95% CI)
Limited-English-speaking households	12.9 (11.5-14.3)
Not limited-English-speaking households	87.1 (85.0-89.3)

Data values are percent of households.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 1.14 Limited-English-Speaking Households by Household Language, 2015

	Percent (95% CI)
Spanish	35.0 (29.3-40.7)
Other Indo-European languages	23.1 (17.9-28.3)
Asian and Pacific Island languages	47.8 (41.9-53.7)
Other languages	27.3 (16.5-38.2)

Data values are percent limited-English-speaking households.

NOTE: Other Indo-European languages include English-based Pidgin Creole languages, Germanic, Romance (excluding Spanish), Celtic, Slavic, Baltic, Iranian, and Indic languages.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 1.15 Limited-English-Speaking Households by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 1.16 Foreign-Born Status by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Boston	28.9 (27.5-30.4)	N/A
Asian	71.3 (67.7-74.9)	↑
Black	36.1 (32.1-40.1)	↑
Latino	42.3 (38.2-46.5)	↑
White	10.6 (9.3-11.9)	Reference

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 1.17 Foreign-Born Status by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Demographics

Table 1.18 Ancestry Among Boston Residents, 2015

	Percent (95% CI)
Irish	11.2 (10.0-12.4)
African American	9.3 (8.0-10.6)
Italian	6.9 (5.9-7.9)
Chinese	5.4 (4.8-6.0)
Puerto Rican	4.7 (3.6-5.9)
Dominican	4.1 (3.0-5.2)
Cape Verdean	3.2 (2.1-4.4)
German	3.1 (2.5-3.6)
Haitian	3.1 (2.0-4.3)
English	2.8 (2.2-3.4)
White	2.6 (1.9-3.3)
American	2.1 (1.5-2.8)
Spanish	2.1 (1.1-3.2)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 1.19 Active Duty Status by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Boston	3.9 (3.3-4.4)	N/A
Asian	0.9 (0.1-1.8) §	↓
Black	3.5 (2.0-5.0)	↔
Latino	1.3 (0.1-2.4) §	↓
White	5.5 (4.7-6.4)	Reference

Data values are percent of population ages 17 and older.

§ Estimates have a coefficient of variation greater than or equal to 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Chapter 2: Social Determinants of Health

Education

Table 2.1 Educational Attainment, Boston and Massachusetts, 2015

	Boston	MA
Less than high school diploma	14.1	9.8
High school diploma/ GED	21.1	25.2
Some college or associate degree	18.2	23.6
Bachelor's degree	26.1	23.1
Graduate or professional degree	20.6	18.4

Data values are percent of population age 25 and older.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.2 Educational Attainment by Race/Ethnicity, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.3 Less Than High School Diploma by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.4 Boston School-Age Children Attending School by Type of School and Race/Ethnicity, May 2017

	Boston	Asian (1)	Black	Latino	White
Boston Public Schools (BPS)	71.7	86.8	66.5	84.8	57.8
Non-BPS (2)	28.3	13.2	33.5	15.2	42.2

Data values are percent of school-age children.

(1) Does not include Native Hawaiians/Other Pacific Islanders

(2) Includes public charter schools (not operated by BPS), parochial schools, private schools, suburban schools through Metropolitan Council for Educational Opportunity (METCO), home schooling, and placement in non-BPS schools and programs by the BPS Special Education Department

DATA SOURCE: Office of Data and Accountability, Boston Public Schools

Social Determinants of Health: Education

Table 2.5 Boston Public Schools Four-Year High School Graduation Rates, 2016 Cohort

	Percent
Boston	72.4
Sex	
Female	76.9
Male	68.1
Race/ethnicity	
Asian (1)	88.2
Black	69.3
Latino	67.1
White	82.5
Other indicators	
English-language learners	61.0
High needs	69.8
Low income	70.8
Students with disabilities	55.6

Data values are percent of students who entered grade 9 in the fall of 2012.

(1) Does not include Native Hawaiians/Other Pacific Islanders

NOTE: Five-year graduation rates were unavailable.

DATA SOURCE: Office of Data and Accountability, Boston Public Schools

Table 2.6 Median Earnings by Educational Attainment and Sex, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.7 Population Living Below Poverty Level by Educational Attainment and Sex, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.8 Computer Access by Race/Ethnicity, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.9 Internet Access by Race/Ethnicity, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.10 Health Indicators by Educational Attainment, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Employment

Employment

Table 2.11 Unemployment Rate by Year

	2011	2012	2013	2014	2015
Boston	11.6 (10.4-12.8)	9.6 (8.6-10.6)	8.1 (7.1-9.1)	8.3 (7.3-9.3)	6.7 (5.7-7.7)

Data values are percent of civilian population ages 16 and older in the labor force.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.12 Unemployment Rate by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Asian	5.2 (2.8-7.7)	↔
Black	11.0 (8.4-13.6)	↑
Latino	8.9 (6.5-11.3)	↑
White	4.3 (3.5-5.1)	Reference

Data values are percent of civilian population ages 16 and older in the labor force.

NOTE: Due to limited data availability, data for Asian residents includes individuals who identified as Latino (less than 1% of Asian residents identified as Latino).

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.13 Unemployment Rate by Sex, 2015

	Percent (95% CI)	Comparison to reference
Female	5.8 (4.7-6.9)	↓
Male	7.5 (6.4-8.7)	Reference

Data values are percent of civilian population ages 16 and older in the labor force.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.14 Unemployment Rate by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Employment

Table 2.15 Labor Force Participation Rate by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Boston	69.2 (68.0-70.4)	N/A
Race/ethnicity		
Asian	58.1 (55.2-61.1)	↓
Black	68.0 (65.4-70.6)	↓
Latino	66.3 (63.3-69.3)	↓
White	72.9 (71.4-74.4)	Reference

Data values are percent of population ages 16 and older.

NOTE: Due to limited data availability, data for Asian residents includes individuals who identified as Latino (less than 1% of Asian residents identified as Latino).

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.16 Labor Force Participation Rates by Sex, 2015

	Percent (95% CI)	Comparison to reference
Female	66.7 (65.3-68.1)	↓
Male	71.9 (70.4-73.4)	Reference

Data values are percent of population ages 16 and older.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.17 Full-time and Part-time Employment Status During the Past 12 months by Sex, 2015

	Percent (95% CI)	Comparison to reference
Full-time		
Boston	48.0 (46.5-49.5)	N/A
Female	43.9 (42.0-45.7)	↓
Male	52.4 (50.0-54.7)	Reference
Part-time		
Boston	32.0 (30.7-33.3)	N/A
Female	35.4 (33.6-37.2)	↑
Male	28.3 (26.5-30.2)	Reference
Did not work		
Boston	20.0 (18.9-21.1)	N/A
Female	20.7 (19.2-22.2)	↔
Male	19.3 (17.7-20.9)	Reference

Data values are percent of population ages 16 to 64.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Social Determinants of Health: Employment

Table 2.18 Labor Force and Employment Status by Disability Status, 2015

	Percent (95% CI)	Comparison to reference
Employed		
With a disability	34.6 (30.1-39.2)	↓
No disability	76.9 (76.4-77.3)	Reference
Unemployed		
With a disability	8.2 (5.9-10.6)	↑
No disability	4.9 (4.2-5.6)	Reference
Not in labor force		
With a disability	57.1 (52.6-61.7)	↑
No disability	18.2 (17.1-19.4)	Reference

Data values are percent of population ages 18 to 64.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.19 Occupations Among Boston Residents, 2015

	Percent (95% CI)
Office and administrative support	12.0 (10.2-13.8)
Management	9.8 (7.8-11.8)
Sales	9.2 (7.0-11.4)
Education, training, and library	7.2 (5.7-8.7)
Food preparation and serving	7.1 (5.3-8.9)

Data values are percent of civilian employed population ages 16 and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.20 Employment in Management, Business, Science, and Art Occupations by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Employment

Table 2.21 Class of Worker by Sex, 2015

	Percent (95% CI)	Comparison to reference
For-profit workers		
Boston	64.0 (62.1-65.8)	N/A
Female	58.7 (56.2-61.2)	↓
Male	69.5 (67.1-71.8)	Reference
Non-profit workers		
Boston	19.9 (18.5-21.3)	N/A
Female	24.9 (22.7-27.1)	↑
Male	14.7 (13.0-16.4)	Reference
Government workers		
Boston	10.6 (9.6-11.7)	N/A
Female	11.4 (9.9-12.9)	↔
Male	9.8 (8.3-11.3)	Reference
Self-employed (not-incorporated)		
Boston	3.7 (3.1-4.2)	N/A
Female	3.5 (2.7-4.2)	↔
Male	3.9 (2.9-4.8)	Reference
Self-employed (incorporated)		
Boston	1.8 (1.4-2.3)	N/A
Female	1.6 (1.0-2.1)	↔
Male	2.1 (1.3-2.8)	Reference

Data values are percent of civilian employed population ages 16 and older.

NOTE: Comparisons are made within each selected indicator. Data not presented due to insufficient sample size for unpaid family workers.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Social Determinants of Health: Employment

Table 2.22 Median Earnings by Class and Sex of Worker, 2014

	Median Earnings	Comparison to reference
For-profit workers		
Boston	\$38,677 (\$35,782-\$41,572)	N/A
Female	\$32,079 (\$29,652-\$34,506)	↓
Male	\$42,706 (\$38,645-\$46,767)	Reference
Non-profit workers		
Boston	\$40,754 (\$39,035-\$42,473)	N/A
Female	\$37,991 (\$33,652-\$42,330)	↓
Male	\$45,141 (\$40,078-\$50,204)	Reference
Local government workers		
Boston	\$52,029 (\$48,228-\$55,830)	N/A
Female	\$46,890 (\$40,539-\$53,241)	↓
Male	\$62,357 (\$57,242-\$67,472)	Reference
State government workers		
Boston	\$48,773 (\$42,788-\$54,758)	N/A
Female	\$42,491 (\$31,899-\$53,083)	↔
Male	\$62,344 (\$56,146-\$68,542)	Reference
Federal government workers		
Boston	‡	N/A
Female	\$42,982 (\$33,631-\$52,333)	↔
Male	\$70,049 (\$32,353-\$107,745)	Reference
Self-employed (not-incorporated)		
Boston	\$22,054 (\$18,331-\$25,777)	N/A
Female	\$23,313 (\$11,796-\$34,830)	↔
Male	\$21,903 (\$18,532-\$25,274)	Reference
Self-employed (incorporated)		
Boston	\$61,019 (\$29,808-\$92,230)	N/A
Female	‡	N/A
Male	‡	N/A

Data values are median earnings among the civilian employed population ages 16 and older.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: American Community Survey, 2014, U.S. Census Bureau

Social Determinants of Health: Employment

Table 2.23 Means of Transportation to Work, 2015

	Percent (95% CI)
Drove alone	37.4% (35.8-38.9)
Public transportation	34.5% (32.5-36.6)
Walked	16.7% (15.3-18.0)
Carpool	5.7% (4.6-6.9)
Worked at home	3.1% (2.6-3.6)
Bicycle	1.6% (1.2-1.9)
Motorcycle, taxicab, and other	1.1% (0.7-1.5)

Data values are percent of workers ages 16 and older.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.24 Health Indicators by Employment Status, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Income & Poverty

Income & Poverty

Table 2.25 Median Household Income by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Comparison to reference (2015)
Boston	\$49,081 (\$45,887- \$52,275)	\$51,642 (\$49,663- \$53,621)	\$53,583 (\$51,028- \$56,138)	\$56,902 (\$53,563- \$60,241)	\$58,263 (\$54,724- \$61,802)	N/A
Asian	\$35,745 (\$28,628- \$42,862)	\$33,005 (\$25,856- \$40,154)	\$40,543 (\$33,307- \$47,779)	\$45,231 (\$33,912- \$56,550)	\$33,185 (\$23,240- \$43,130)	↓
Black	\$36,747 (\$32,501- \$40,993)	\$37,494 (\$33,088- \$41,900)	\$40,602 (\$36,938- \$44,266)	\$34,821 (\$31,773- \$37,869)	\$41,465 (\$37,460- \$45,470)	↓
Latino	\$29,889 (\$22,570- \$37,208)	\$29,048 (\$22,202- \$35,894)	\$31,233 (\$25,123- \$37,343)	\$30,428 (\$27,267- \$33,589)	\$30,687 (\$27,152- \$34,222)	↓
White	\$68,035 (\$63,921- \$72,149)	\$75,194 (\$69,239- \$81,149)	\$75,048 (\$71,140- \$78,956)	\$85,411 (\$79,456- \$91,366)	\$86,194 (\$81,575- \$90,813)	Reference

Data values are median household income.

NOTE: Due to limited data availability, data for Asian residents includes individuals who identified as Latino (less than 1% of Asian residents identified as Latino). Median income was for the past 12 months. Income data for each year is inflation-adjusted to that year's dollars.

DATA SOURCE: American Community Survey, 2011, 2012, 2013, 2014, 2015, U.S. Census Bureau

Social Determinants of Health: Income & Poverty

Table 2.26 Median Household Income by Age and Year

	2011	2012	2013	2014	2015	Comparison to reference (2015)
Boston	\$49,081 (\$45,887- \$52,275)	\$51,642 (\$49,663- \$53,621)	\$53,583 (\$51,028- \$56,138)	\$56,902 (\$53,563- \$60,241)	\$58,263 (\$54,724- \$61,802)	N/A
15-24 years old	\$19,398 (\$15,613- \$23,183)	\$19,826 (\$15,352- \$24,300)	\$21,990 (\$17,044- \$26,936)	\$23,634 (\$15,387- \$31,881)	\$30,049 (\$25,290- \$34,808)	↓
25-44 years old	\$65,824 (\$60,913- \$70,735)	\$62,364 (\$56,631- \$68,097)	\$67,927 (\$62,470- \$73,384)	\$69,293 (\$63,656- \$74,930)	\$76,162 (\$70,320- \$82,004)	Reference
45-64 years old	\$52,492 (\$48,966- \$56,018)	\$60,617 (\$56,071- \$65,163)	\$55,630 (\$51,139- \$60,121)	\$62,804 (\$57,329- \$68,279)	\$61,841 (\$57,074- \$66,608)	↓
65+ years old	\$25,443 (\$22,041- \$28,845)	\$25,155 (\$20,502- \$29,808)	\$31,133 (\$27,769- \$34,497)	\$26,352 (\$21,320- \$31,384)	\$24,311 (\$20,185- \$28,437)	↓

Data values are median household income.

NOTE: Median income was for the past 12 months. Income data for each year is inflation-adjusted to that year's dollars.

DATA SOURCE: American Community Survey, 2011, 2012, 2013, 2014, 2015, U.S. Census Bureau

Table 2.27 Median Household Income by Zip Code, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Income & Poverty

Table 2.28 Population Living Below Poverty Level by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Comparison to reference (2015)
Boston	23.2 (21.4-25.0)	21.6 (20.1-23.1)	21.6 (20.1-23.1)	22.6 (21.1-24.1)	20.5 (19.0-22.0)	N/A
Asian	35.5 (30.0-41.0)	29.2 (24.3-34.1)	31.7 (26.9-36.5)	31.6 (25.6-37.6)	29.6 (23.9-35.3)	↑
Black	22.2 (19.0-25.4)	23.1 (19.5-26.7)	24.3 (20.2-28.4)	26.8 (23.3-30.3)	21.2 (17.6-24.8)	↑
Latino	33.6 (29.0-38.2)	33.5 (29.3-37.7)	32.1 (27.6-36.6)	34.1 (29.5-38.7)	32.2 (27.9-36.5)	↑
White	16.6 (14.2-19.0)	14.0 (12.5-15.5)	13.7 (12.2-15.2)	13.7 (11.9-15.5)	13.0 (11.2-14.8)	Reference

Data values are percent of population.

NOTE: Due to limited data availability, data for Asian residents includes individuals who identified as Latino (less than 1% of Asian residents identified as Latino). Poverty status was determined for the past 12 months for all people except institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old.

DATA SOURCE: American Community Survey, 2011, 2012, 2013, 2014, 2015, U.S. Census Bureau

Social Determinants of Health: Income & Poverty

Table 2.29 Population Living Below Poverty Level by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	20.5 (19.0-22.0)	N/A
Sex		
Female	22.8 (21.0-24.6)	↑
Male	18.1 (16.3-19.9)	Reference
Age		
<18 years old	29.6 (25.9-33.3)	↑
18-64 years old	18.3 (16.7-19.8)	Reference
65+ years old	20.5 (17.4-23.7)	↔
Educational attainment		
Less than HS diploma	33.6 (29.3-37.8)	Reference
HS diploma/GED	18.6 (15.8-21.3)	↓
Some college/associate degree	19.8 (15.4-24.3)	↓
Bachelor's degree or higher	7.7 (6.5-8.9)	↓
Place of Birth		
Foreign-born	21.6 (19.2-24.1)	↔
U.S.-born	20.0 (18.5-21.6)	Reference
Health insurance status		
Health insurance	20.2 (18.9-21.6)	Reference
No health insurance	26.2 (17.2-35.2)	↔

Data values are percent of population.

NOTE: Comparisons are made within each selected indicator. Education is among adults ages 25 and older. Poverty status was determined for the past 12 months for all people except institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Social Determinants of Health: Income & Poverty

Table 2.30 Families Living Below Poverty Level by Family Type, 2015

	Percent (95% CI)	Comparison to reference
All Families	17.0 (15.0-19.0)	N/A
Overall Household Type		
Married couples	6.2 (4.3-8.1)	↓
Male HOH (1)	20.1 (12.1-28.0)	↓
Female HOH (2)	34.3 (30.5-38.1)	Reference
Households with children <5 yo		
Married couples w/children <5 yo	‡	N/A
Male HOH (1) w/children <5 yo	‡	N/A
Female HOH (1) w/children <5 yo	42.4 (23.0-61.8)	N/A
Households with children 5-17 yo		
Married couples w/children 5-17 yo	‡	N/A
Male HOH (1) w/children 5-17 yo	‡	N/A
Female HOH (2) w/children 5-17 yo	47.5 (40.2-54.7)	N/A

Data values are percent of families.

‡ Data not presented due to insufficient sample size

(1) Male head of household, no wife present

(2) Female head of household, no husband present

NOTE: Comparisons are made within each selected indicator. Poverty status was determined for the past 12 months for all people except institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.31 Percent of Population Living Below Poverty Level, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Income & Poverty

Table 2.32 Population Living Below Poverty Level by Language Spoken at Home, Boston and Massachusetts, 2015

	Percent (95% CI)	Comparison to reference
Overall		
Boston	20.3 (18.8-21.8)	↑
Massachusetts	11.2 (10.8-11.6)	Reference
Speak only English		
Boston	15.5 (14.0-17.1)	↑
Massachusetts	9.0 (8.7-9.3)	Reference
Speak Spanish		
Boston	31.9 (27.7-36.0)	↑
Massachusetts	26.4 (24.7-28.2)	Reference
Speak other Indo-European languages		
Boston	20.1 (15.2-25.0)	↑
Massachusetts	11.7 (10.7-12.7)	Reference
Speak Asian and Pacific Island languages		
Boston	30.8 (24.0-37.7)	↑
Massachusetts	16.4 (14.2-18.6)	Reference
Speak other languages		
Boston	‡	N/A
Massachusetts	19.3 (13.1-25.4)	Reference

Data values are percent of population ages 5 and older.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator. Poverty status was determined for the past 12 months for all people except institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.33 Households Receiving Supplemental Nutrition Assistance Program Benefits in the Past 12 Months by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Boston	17.7 (15.9-19.6)	N/A
Asian	25.2 (18.4-32.0)	↑
Black	28.6 (23.1-34.1)	↑
Latino	33.8 (29.0-38.7)	↑
White	7.3 (5.4-9.3)	Reference

Data values are percent of population.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Income & Poverty

Table 2.34 Households Receiving Supplemental Nutrition Assistance Program Benefits in the Past 12 Months by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.35 Food Purchased Did Not Last and Did Not Have Money to Get More, 2015

	Percent (95% CI)
Never true	80.1 (77.9-82.3)
Sometimes true	14.2 (12.3-16.1)
Often true	5.7 (4.5-7.0)

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 2.36 Hungry But Did Not Eat Because Could Not Afford Food, 2015

	Percent (95% CI)
Never true	89.4 (87.7-91.1)
Sometimes true	8.5 (6.9-10.0)
Often true	2.1 (1.3-2.9)

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 2.37 Health Indicators by Household Income, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Housing

Housing

Table 2.38 Housing Tenure, Boston and Massachusetts, 2015

Boston	Percent (95% CI)
Owner- occupied	34.1 (32.3-35.8)
Renter- occupied	65.9 (64.1-67.7)
Massachusetts	
Owner-occupied	61.7 (61.2-62.2)
Renter- occupied	38.3 (37.7-38.9)

Data values are percent of occupied housing units.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.39 Renter-Occupied Housing Tenure by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Comparison to reference (2015)
Boston	66.5 (65.0-68.0)	66.5 (65.4-68.2)	66.4 (64.6-68.2)	65.1 (63.6-66.6)	65.9 (64.1-67.7)	N/A
Asian	75.3 (68.0-82.7)	77.1 (72.1-82.1)	76.4 (70.3-82.4)	72.4 (67.2-77.6)	75.5 (69.9-81.1)	↑
Black	71.1 (67.5-74.7)	74.1 (70.6-77.6)	71.5 (67.6-75.4)	69.8 (66.0-73.6)	69.6 (65.3-73.9)	↑
Latino	84.1 (80.8-87.4)	84.4 (81.4-87.4)	84.5 (80.9-88.1)	83.9 (80.6-87.2)	83.4 (79.8-87.0)	↑
White	57.8 (55.3-60.3)	56.5 (54.5-58.5)	56.6 (53.9-59.3)	55.9 (54.0-57.8)	56.7 (54.4-59.0)	Reference

Data values are percent of occupied housing units.

NOTE: Due to limited data availability, data for Asian residents includes individuals who identified as Latino (less than 1% of Asian residents identified as Latino).

DATA SOURCE: American Community Survey, 2011, 2012, 2013, 2014, 2015, U.S. Census Bureau

Table 2.40 Renter-Occupied Housing Tenure, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Housing

Table 2.41 Housing Tenure by Selected Characteristics, 2015

	Percent (95% CI)	Comparison to reference
Less than high school graduate		
Renter-occupied	16.0 (14.4-17.5)	↑
Owner-occupied	6.4 (5.1-7.8)	Reference
More than 1 person per room occupancy		
Renter-occupied	3.6 (2.9-4.4)	↔
Owner-occupied	1.6 (0.9-2.4)	Reference
30% or more of household income spent on housing		
Renter-occupied	51.3 (48.6-53.9)	↑
Owner-occupied	34.2 (31-37.3)	Reference

Data values are percent of occupied housing units.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.42 Median Gross Monthly Rent¹ by Year Householder Moved Into Unit, 2015

Year	Median Gross Monthly Rent
1980-1989	\$928 (463-1,393)
1990-1999	\$675 (523-828)
2000-2009	\$1,096 (1,015-1,177)
2010-2014	\$1,625 (1,570-1,680)
2015 or later	\$1,876 (1,741-2,011)

Data values are median gross monthly rent.

¹ Includes average monthly utility costs

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Social Determinants of Health: Housing

Table 2.43 Gross Monthly Rent¹ by Race/Ethnicity, 2015

	\$1- \$999	\$1,000-\$1,999	\$2,000+	Comparison to reference (\$2,000+)
Boston	25.1 (22.3-27.8)	49.1 (45.8-52.5)	25.8 (23.0-28.6)	N/A
Asian	31.8 (23.5-40.0)	45.0 (36.6-53.3)	23.3 (17.4-29.2)	↓
Black	31.5 (25.8-37.2)	55.3 (48.6-62.0)	13.2 (8.8-17.5)	↓
Latino	32.2 (25.5-39.0)	52.6 (45.2-60.0)	15.2 (10.3-20.0)	↓
White	15.0 (12.1-17.9)	42.8 (37.8-47.8)	42.2 (37.0-47.4)	Reference

Data values are percent of population living in renter-occupied units.

¹ Includes average monthly utility costs

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.44 Gross Monthly Rent¹ of \$2,000 or More by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.45 Gross Monthly Rent¹ as a Percentage of Household Income, 2015

Percentage of Household Income	Percent (95% CI)
Less than 10% of income	4.4% (3.4-5.3)
10-29.9% of income	41.5% (39.1-43.9)
30-49.9% of income	27.9% (25.7-30.1)
50% or more of income	26.2% (24.0-28.4)

Data values are percentage of household income.

¹ Includes average monthly utility costs

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 2.46 30% or More of Household Income Paid Toward Gross Monthly Rent¹ by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.47 Foreclosure Petitions by Neighborhood, 2012-2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Housing

Table 2.48 Foreclosure Petitions by Neighborhood

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.49 Homeless Count by Year

	2013	2014	2015	2016	2017
Boston	5,881	5,987	6,492	6,240	6,135

Data values are number of individuals.

DATA SOURCE: Boston Continuum of Care (CoC) Homeless Assistance Programs Dashboard Reports, 2013-2017, U.S. Department of Housing and Urban Development

Table 2.50 Homeless by Selected Indicators, 2017

	Percent
Sex	
Female	47.5
Male	52.3
Transgender	
Transgender	0.2
Age	
Less than 18 years	32.9
18-24	7.9
25 years or older	59.2
Race	
American Indian or Alaska Native	0.3
Asian	0.9
Black	45
Native Hawaiian or Other Pacific Islander	0.6
White	35.8
Multiple races	17.3
Ethnicity	
Latino	38.1
Non-Latino	61.9

Data values are percent of homeless individuals.

NOTE: Racial (American Indian or Alaska Native, Asian, etc.) and ethnic (Latino/non-Latino) indicators are not mutually exclusive.

DATA SOURCE: Boston Continuum of Care (CoC) Homeless Assistance Programs Dashboard Reports, 2017, U.S. Department of Housing and Urban Development

Social Determinants of Health: Housing

Table 2.51 Type of Housing, 2015

	Percent (95% CI)
Home owner	35.2 (32.9-37.6)
Renter, no assistance	41.2 (38.5-43.9)
Renter, with assistance	8.7 (7.4-10.1)
BHA resident (1)	6.9 (5.6-8.2)
Other arrangement (2)	8.0 (6.3-9.7)

Data values are percent of adults.

(1) Boston Housing Authority resident

(2) "Other arrangement" may include a group home, staying with friends or family without paying rent, or other housing status.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 2.52 Health Indicators by Housing Status, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Bias and Racism

Bias and Racism

Table 2.53 Adults Who Felt Emotionally Upset by Perceived Race-Related Treatment in the Past 30 Days by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Boston	9.0 (7.4-10.5)	N/A
Asian	12.5 (5.8-19.2)	↑
Black	18.9 (14.9-22.9)	↑
Latino	9.0 (5.3-12.7)	↑
White	4.0 (2.2-5.7)	Reference

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 2.54 Adults Who Experienced Physical Symptoms Based on Perceived Race-Related Treatment in the Past 30 Days by Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	6.6 (5.8-7.5)	N/A
Asian	8.2 (4.3-12.1)	↑
Black	12.0 (9.7-14.3)	↑
Latino	10.5 (7.9-13.1)	↑
White	2.6 (1.7-3.5)	Reference

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Social Determinants of Health: Bias and Racism

Table 2.55 Adults Who Ever Felt They Were Stopped by the Police Based on Their Racial/Ethnic Background by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Boston	11.2 (9.5-12.9)	N/A
Black	28.9 (24.3-33.6)	↑
Latino	12.7 (8.2-17.2)	↑
White	2.6 (1.2-4.0)	Reference

Data values are percent of adults.

NOTE: Data not presented due to insufficient sample size for Asian residents.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 2.56 Health Indicators Among Adults Who Felt Emotionally Upset by Perceived Race-Related Treatment in the Past 30 Days, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.57 Health Indicators Among Adults Who Experienced Physical Symptoms Based on Perceived Race-Related Treatment in the Past 30 Days, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 2.58 Health Indicators Among Adults Who Ever Felt They Were Stopped by the Police Based on Their Racial/Ethnic Background, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Social Determinants of Health: Race/Ethnicity

Social Determinants of Health by Race/Ethnicity

Table 2.59 Age Distribution Among Asian Residents, 2015

	Percent (95% CI)
Under 18 years old	13.4 (12.0-14.7)
18-64 years old	76.1 (74.5-77.7)
65+ years old	10.5 (9.2-11.8)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.60 Sex Distribution Among Asian Residents, 2015

	Percent (95% CI)
Female	54.1 (52.1-56.0)
Male	45.9 (44.0-47.9)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.61 Ancestry Among Asian Residents, 2015

	Percent (95% CI)
Chinese	52.8 (47.0-58.6)
Vietnamese	19.1 (14.7-23.5)
Asian Indian	10.8 (6.4-15.2)
Korean	5.6 (3.0-8.2)
Asian	3.0 (1.0-5.0) §

Data values are percent of population.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.62 Languages Spoken at Home Among Asian Residents, 2015

	Percent (95% CI)
Chinese	29.1 (23.5-34.7)
Vietnamese	19.9 (15.3-24.5)
English Only	16.9 (13.2-20.6)
Cantonese	11.5 (6.9-16.2)
Mandarin	5.7 (3.4-7.9)
Korean	4.7 (2.6-6.8)
Hindi	2.3 (0.5-4.1) §

Data values are percent of population 5 years and older.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.63 Active Duty Status Among Asian Residents, 2015

	Percent (95% CI)
Served on active duty	0.9 (0.1-1.8) §
Never served on active duty	99.1 (98.2-99.9)

Data values are percent of population ages 17 and older.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.64 Educational Attainment Among Asian Residents, 2015

	Percent (95% CI)
Less than High School	25.8 (20.2-31.4)
High School Diploma or GED	18.3 (13.1-23.6)
Some College or Associate's Degree	7.0 (3.0-10.9)
Bachelor's Degree or Higher	48.9 (43.2-54.7)

Data values are percent of population ages 25 and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.65 Internet Access Among Asian Residents, 2015

	Percent (95% CI)
Internet access	91.2 (88.3-94.1)
No internet access	8.8 (5.9-11.7)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.66 Employment Among Asian Residents, 2015

	Percent (95% CI)
Employed	94.1 (90.7-97.5)
Unemployed	5.9 (2.5-9.3)

Data values are percent of civilian population ages 16 and older in the labor force.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.67 Occupations Among Asian Residents, 2015

	Percent (95% CI)
Food preparation and serving	11.7 (7.0-16.4)
Office and admin support	10.6 (7.5-13.7)
Healthcare practitioners and technical	9.7 (6.0-13.4)
Education, training, and library	7.8 (5.2-10.4)
Management	7.1 (4.2-10.0)

Data values are percent of civilian employed population 16 years and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.68 Household Income Among Asian Residents, 2015

	Percent (95% CI)
<\$25,000	30.5 (24.3-36.7)
\$25,000-\$49,999	19.2 (11.8-26.6)
\$50,000+	50.3 (43.0-57.5)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.69 Gross Monthly Rent Among Asian Residents¹, 2015

	Percent (95% CI)
\$1- \$999	31.8 (40.0-23.6)
\$1,000-\$1,999	45.0 (53.4-36.6)
\$2,000+	23.3 (29.2-17.4)

Data values are percent of population living in renter-occupied housing units.

¹Includes residents receiving governmental rental assistance

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.70 Age Distribution Among Black Residents, 2015

	Percent (95% CI)
Under 18 years old	22.0 (20.5-23.5)
18-64 years old	66.4 (64.9-68.0)
65+ years old	11.6 (10.7-12.6)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.71 Sex Distribution Among Black Residents, 2015

	Percent (95% CI)
Female	54.9% (53.9-55.9)
Male	45.1% (44.1-46.1)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.72 Ancestry Among Black Residents, 2015

	Percent (95% CI)
African American	39.2 (34.0-44.4)
Haitian	13.8 (8.9-18.7)
Cape Verdean	10.9 (6.7-15.1)
Jamaican	7.4 (4.0-10.8)
Black	6.3 (4.3-8.3)
Africa	2.7 (0.5-4.9) §
Somali	2.5 (0.0-5.1) §
Barbadian	2.2 (0.5-3.9) §

Data values are percent of population.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.73 Languages Spoken at Home Among Black Residents, 2015

	Percent (95% CI)
English only	68.1 (62.8-73.3)
French Creole	18.2 (13.1-23.3)
Portuguese	3.8 (1.2-6.4) §
Cushite	2.4 (0.0-4.9) §

Data values are percent of population 5 years and older.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.74 Active Duty Status Among Black Residents, 2015

	Percent (95% CI)
Served on active duty	3.5 (2.0-5.0)
Never served on active duty	96.5 (95.0-98.0)

Data values are percent of population ages 17 and older

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.75 Educational Attainment Among Black Residents, 2015

	Percent (95% CI)
Less than High School	17.7 (14.4-20.9)
High School Diploma or GED	30.9 (27.3-34.5)
Some College or Associate's Degree	29.6 (25.2-34.1)
Bachelor's Degree or Higher	21.8 (18.3-25.4)

Data values are percent of population ages 25 and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.76 Internet Access Among Black Residents, 2015

	Percent (95% CI)
Internet access	89.0 (85.9-92.0)
No internet access	11.0 (7.9-14.1)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.77 Employment Among Black Residents, 2015

	Percent (95% CI)
Employed	91.2 (88.4-94.0)
Unemployed	8.8 (6.0-11.9)

Data values are percent of civilian population ages 16 and older in the labor force.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.78 Occupations Among Black Residents, 2015

	Percent (95% CI)
Office and admin support	16.9 (13.8-20.0)
Sales	9.9 (7.2-12.6)
Healthcare support	9.0 (6.5-11.5)
Management	6.7 (4.3-9.1)
Transportation and material moving	6.5 (4.4-8.6)

Data values are percent of civilian employed population 16 years and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.79 Household Income Among Black Residents, 2015

	Percent (95% CI)
<\$25,000	21.6 (17.0-26.2)
\$25,000-\$50,000	23.4 (18.9-27.9)
\$50,000+	55.0 (49.4-60.6)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.80 Gross Monthly Rent Among Black Residents¹, 2015

	Percent (95% CI)
\$1- \$1,000	31.5 (25.8-37.2)
\$1,000-\$1,999	55.3 (48.6-62.0)
\$2,000+	13.2 (8.8-17.5)

Data values are percent of population living in renter-occupied housing unit.

¹ Includes residents receiving governmental rental assistance

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.81 Age Distribution Among Latino Residents, 2015

	Percent (95% CI)
Under 18 years old	26.4 (24.6-28.1)
18-64 years old	67.4 (65.6-69.2)
65+ years old	6.3 (5.5-7.0)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.82 Sex Distribution Among Latino Residents, 2015

	Percent (95% CI)
Female	51.6 (49.3-53.8)
Male	48.4 (46.2-50.7)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.83 Ancestry Among Latino Residents, 2015

	Percent (95% CI)
Puerto Rican	24.0 (18.2-29.8)
Dominican	20.9 (15.4-26.4)
Spanish	10.1 (5.2-15.0)
Salvadoran	9.9 (6.1-13.7)
Colombian	8.5 (5.1-11.9)
Guatemalan	4.4 (1.8-7.0) §
Mexican	3.3 (2.1-4.5)
Honduran	2.4 (0.8-4.0) §
Cuban	2.3 (1.0-3.6)
Hispanic	2.1 (0.9-3.3)

Data values are percent of population.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.84 Languages Spoken at Home Among Latino Residents, 2015

	Percent (95% CI)
Spanish	81.1 (78.2-83.9)
English only	17.8 (14.9-20.7)

Data values are percent of population 5 years and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.85 Active Duty Status Among Latino Residents, 2015

	Percent (95% CI)
Served on active duty	1.3 (0.1-2.4) §
Never served on active duty	98.7 (97.6-99.9)

Data values are percent of population ages 17 and older.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.86 Educational Attainment Among Latino Residents, 2015

	Percent (95% CI)
Less than high school	33.1 (27.9-38.3)
High school diploma or GED	28.7 (23.7-33.7)
Some college or associate degree	16.9 (12.3-21.6)
Bachelor's degree or higher	21.2 (17.3-25.2)

Data values are percent of population ages 25 and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.87 Internet Access Among Latino Residents, 2015

	Percent (95% CI)
Internet access	87.7 (84.6-90.8)
No internet access	12.3 (9.2-15.4)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.88 Employment Among Latino Residents, 2015

	Percent (95% CI)
Employed	93.6 (90.8-96.3)
Unemployed	6.4 (3.7-9.2)

Data values are percent of civilian population ages 16 and older in the labor force.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.89 Occupations Among Latino Residents, 2015

	Percent (95% CI)
Building and grounds cleaning and maintenance	16.5 (12.2-20.8)
Food preparation and serving	13.4 (10.3-16.5)
Office and admin support	10.1 (7.5-12.7)
Sales	9.2 (6.7-11.7)
Transportation and material moving	7.3 (4.8-9.8)

Data values are percent of civilian employed population 16 years and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.90 Household Income Among Latino Residents, 2015

	Percent (95% CI)
<\$25,000	32.2 (27.3-37.2)
\$25,000-\$49,999	26.3 (20.2-32.3)
\$50,000+	41.5 (35.5-47.4)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.91 Gross Monthly Rent Among Latino Residents¹, 2015

	Percent (95% CI)
\$1- \$999	32.2 (25.5-39.0)
\$1,000-\$1,999	52.6 (45.2-60.0)
\$2,000+	15.2 (10.3-20.0)

Data values are percent of population living in renter-occupied housing units.

¹Includes residents receiving governmental rental assistance

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.92 Age Distribution Among White Residents, 2015

	Percent (95% CI)
Under 18 years old	9.4 (8.6-10.1)
18-64 years old	78.2 (77.5-79.0)
65+ years old	12.4 (11.7-13.1)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.93 Sex Distribution Among White Residents, 2015

	Percent (95% CI)
Female	50.7 (50.0-51.4)
Male	49.3 (48.6-50.0)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.94 Ancestry Among White Residents, 2015

	Percent (95% CI)
Irish	24.6 (22.1-27.1)
Italian	15.0 (12.9-17.1)
German	6.6 (5.4-7.8)
English	5.9 (4.6-7.2)
White	5.4 (3.9-6.9)
American	3.5 (2.2-4.8)
Polish	3.3 (2.5-4.1)
Russian	3.0 (2.2-3.8)
French	2.8 (1.9-3.7)
Greek	2.2 (1.5-2.9)
Scottish	2.0 (0.9-3.1)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.95 Languages Spoken at Home Among White Residents, 2015

	Percent (95% CI)
English only	86.8 (84.7-88.9)
Russian	1.9 (1.3-2.6)
Arabic	1.7 (0.4-3.0) §
French	1.7 (1.1-2.3)

Data values are percent of population 5 years and older.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.96 Active Duty Status Among White Residents, 2015

	Percent (95% CI)
Served on active duty	5.5 (4.7-6.4) §
Never served on active duty	94.5 (93.6-95.3)

Data values are percent of population ages 17 and older.

§ Estimates have a coefficient of variation greater than 30% and should be interpreted with caution.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.97 Educational Attainment Among White Residents, 2015

	Percent (95% CI)
Less than High School	4.7 (3.8-5.6)
High School Diploma or GED	13.9 (12.1-15.7)
Some College or Associate's Degree	15.1 (13.3-16.9)
Bachelor's Degree or Higher	66.3 (63.6-69.1)

Data values are percent of population ages 25 and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.98 Internet Access Among White Residents, 2015

	Percent (95% CI)
Internet access	92.2 (90.8-93.7)
No internet access	7.8 (6.3-9.3)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Social Determinants of Health: Race/Ethnicity

Table 2.99 Employment Among White Residents, 2015

	Percent (95% CI)
Employed	96.2 (95.3-97.2)
Unemployed	3.8 (2.8-4.8)

Data values are percent of civilian population ages 16 and older in the labor force.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.100 Occupations Among White Residents, 2015

	Percent (95% CI)
Management	13.4 (12.0-14.8)
Office and admin support	11.1 (9.8-12.4)
Sales	9.3 (8.1-10.5)
Education, training, and library	8.5 (7.3-9.7)
Healthcare practitioners and technical	6.6 (5.5-7.7)

Data values are percent of civilian employed population 16 years and older.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.101 Household Income Among White Residents, 2015

	Percent (95% CI)
<\$25,000	12.6 (10.5-14.6)
\$25,000-\$49,999	11.9 (10.0-13.8)
\$50,000+	75.6 (72.9-78.2)

Data values are percent of population.

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Table 2.102 Gross Monthly Rent Among White Residents¹, 2015

	Percent (95% CI)
\$1- \$1,000	15.0 (12.1-19.9)
\$1,000-\$1,999	42.8 (37.8-47.9)
\$2,000+	42.2 (37.0-47.4)

Data values are percent of population living in renter-occupied housing units.

¹Includes residents receiving governmental rental assistance

DATA SOURCE: American Community Survey Public Use Microdata Sample, 2015, U.S. Census Bureau

Chapter 3: Community Assets

Table 3.1 Constituent-Initiated 311 Service Requests by Neighborhood

Neighborhood	Rates
Boston	28.4
Allston/Brighton	19.4
Back Bay	54.7
Charlestown	30.6
Dorchester (02121, 02125)	24.4
Dorchester (02122, 02124)	28.4
East Boston	20.3
Fenway	16.1
Hyde Park	22.9
Jamaica Plain	40.0
Mattapan	12.8
Roslindale	23.0
Roxbury	28.1
South Boston	48.6
South End	35.4
West Roxbury	24.1

Data values are request rates per 100 residents.

NOTE: "Back Bay" includes the Back Bay, Beacon Hill, Downtown, the North End, and the West End. "South End" includes the South End and Chinatown. Data includes 311 service requests by phone, online, and through the mobile application. Voting precinct was used to identify neighborhood location. When a precinct was split across neighborhoods, the number of service requests was allocated proportionally by area size. Density calculations were based on the 2010 Census population. Does not include Harbor Islands.

DATA SOURCE: 311 Service Requests, City of Boston; Decennial Census 2010, U.S. Census Bureau

Table 3.2 Leading Types of 311 Service Requests, 2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Community Assets

Table 3.3 Voter Turnout from the November 8, 2016 General Election by Voter Precinct

CITY OF BOSTON ELECTION DEPARTMENT WARD & PRECINCT BREAKDOWNS																								
Total OFFICIAL Ballots Cast Percentage for State Election - November 8, 2016																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
WARD 1	69.4%	70.3%	66.2%	62.2%	65.0%	65.2%	62.9%	61.1%	69.0%	62.8%	72.4%	72.9%	67.6%	65.1%	1.3%									66.47%
WARD 2	74.6%	66.7%	77.5%	70.0%	76.2%	73.0%	73.9%																	72.47%
WARD 3	53.4%	70.2%	67.1%	72.1%	70.5%	64.7%	67.9%	60.3%																64.61%
WARD 4	74.4%	69.1%	74.5%	72.1%	65.0%	62.9%	61.1%	53.6%	54.7%	53.6%														65.26%
WARD 5	63.5%	65.8%	77.0%	69.9%	81.2%	70.7%	72.5%	71.0%	65.1%	59.1%	73.6%	Precinct -> 2A		57.4%										67.77%
WARD 6	70.4%	65.5%	70.1%	71.6%	73.7%	72.1%	73.6%	75.2%	74.3%															71.55%
WARD 7	76.2%	74.4%	70.8%	66.0%	66.9%	64.3%	56.2%	68.2%	67.4%	60.2%														67.40%
WARD 8	62.6%	54.5%	47.8%	57.9%	59.0%	63.1%	56.6%																	56.03%
WARD 9	66.5%	54.3%	62.9%	55.1%	62.8%																			60.31%
WARD 10	67.5%	59.9%	58.3%	64.3%	62.9%	61.4%	57.1%	60.8%	73.3%															63.16%
WARD 11	64.2%	66.1%	63.7%	63.6%	68.0%	74.9%	71.3%	72.8%	82.1%	72.1%														69.45%
WARD 12	60.4%	52.7%	66.4%	59.2%	64.2%	62.2%	57.5%	54.6%	62.2%															58.85%
WARD 13	59.8%	55.7%	59.9%	58.6%	62.9%	62.3%	63.9%	64.3%	67.8%	74.8%														63.80%
WARD 14	54.5%	59.3%	58.2%	55.4%	58.6%	63.3%	58.2%	68.0%	60.2%	60.2%	58.9%	64.1%	62.4%	62.1%										59.53%
WARD 15	58.3%	57.9%	55.4%	59.2%	60.0%	60.0%	58.3%	57.4%	64.4%															59.10%
WARD 16	57.3%	71.6%	66.5%	62.9%	66.7%	63.8%	75.0%	74.2%	73.5%	68.1%	73.2%	80.2%												69.20%
WARD 17	61.4%	63.8%	64.6%	69.4%	58.5%	64.4%	62.0%	62.2%	74.0%	61.1%	61.4%	71.3%	72.2%	70.8%										65.68%
WARD 18	64.4%	64.7%	63.7%	64.3%	57.7%	71.0%	69.2%	67.0%	73.9%	72.1%	66.6%	71.5%	69.3%	65.8%	68.4%	76.4%	72.0%	67.8%	68.7%	74.7%	63.2%	78.6%	67.8%	68.60%
WARD 19	75.2%	83.2%	79.0%	76.0%	74.9%	80.2%	71.7%	79.8%	84.1%	73.7%	66.7%	78.2%	73.2%											76.11%
WARD 20	73.6%	71.9%	70.0%	82.8%	74.5%	79.7%	81.7%	76.7%	75.3%	77.2%	82.4%	83.0%	80.4%	80.6%	73.5%	77.5%	81.5%	75.6%	81.0%	75.3%				77.16%
WARD 21	59.8%	45.6%	53.1%	56.1%	61.4%	66.3%	61.6%	61.1%	59.2%	64.4%	63.0%	68.3%	57.3%	69.4%	68.9%	67.7%								61.42%
WARD 22	61.1%	61.7%	70.1%	70.4%	65.2%	69.5%	69.7%	68.5%	70.1%	71.0%	71.3%	63.2%	70.5%											67.27%
TOTAL																							66.75%	

Data values are percent of registered voters in each precinct.

NOTE: Thompson, Spectacle, and Long Islands (Ward 1, Precinct 15) were excluded from the corresponding map for this table number.

DATA SOURCE: State and City Election Results, November 8, 2016: General Election, City of Boston Election Department: <https://www.boston.gov/sites/default/files/2016-11-08-16-state-election-ballots-cast-and-percentage.pdf> accessed 12/26/17.

Community Assets

Table 3.4 Voter Turnout from the November 3, 2015 Municipal Election by Voter Precinct

CITY OF BOSTON ELECTION DEPARTMENT WARD & PRECINCT BREAKDOWNS																								
Total OFFICIAL Ballots Cast Percentage for Municipal Election - November 3, 2015																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
WARD 1	13.5%	11.3%	13.5%	9.0%	7.8%	10.1%	8.8%	10.8%	9.9%	7.7%	15.7%	14.8%	9.5%	8.3%	1.1%									11.09%
WARD 2	15.5%	9.4%	14.4%	11.6%	10.4%	14.1%	13.8%																	12.55%
WARD 3	13.8%	7.5%	7.9%	9.1%	12.9%	7.3%	8.6%	11.6%																10.13%
WARD 4	15.4%	9.3%	14.7%	12.0%	10.8%	11.5%	7.4%	8.2%	3.7%	1.7%														10.04%
WARD 5	11.4%	5.4%	11.1%	7.5%	16.0%	7.5%	7.2%	6.3%	4.3%	5.8%	14.1%				4.7%									8.19%
WARD 6	8.5%	13.2%	10.7%	13.6%	14.1%	22.5%	20.8%	22.2%	24.6%															15.25%
WARD 7	27.0%	18.5%	20.1%	16.3%	12.6%	11.3%	14.8%	17.1%	14.7%	8.4%														16.29%
WARD 8	10.8%	7.9%	8.3%	8.5%	10.8%	8.1%	11.2%																	9.23%
WARD 9	11.6%	10.6%	11.5%	7.3%	16.3%																			11.39%
WARD 10	12.6%	6.9%	6.4%	12.0%	8.1%	8.2%	5.1%	15.4%	9.7%															9.50%
WARD 11	15.4%	16.3%	12.0%	10.5%	14.3%	12.6%	14.8%	14.1%	20.5%	13.9%														14.12%
WARD 12	15.7%	14.3%	14.9%	13.4%	20.1%	16.6%	13.4%	10.8%	17.8%															14.85%
WARD 13	11.4%	8.0%	8.6%	10.4%	9.7%	13.6%	18.1%	14.2%	12.6%	27.3%														14.30%
WARD 14	10.7%	14.3%	11.7%	11.8%	14.0%	13.6%	11.8%	22.8%	10.3%	14.0%	14.6%	15.2%	17.8%	12.1%										13.52%
WARD 15	8.3%	10.3%	6.2%	8.6%	11.6%	19.1%	9.7%	11.1%	13.3%															10.54%
WARD 16	18.0%	19.4%	18.0%	14.9%	14.8%	13.0%	24.0%	24.6%	28.2%	18.2%	21.1%	39.3%												20.91%
WARD 17	14.0%	17.5%	21.6%	26.7%	12.7%	22.4%	14.8%	16.8%	34.1%	14.8%	16.9%	27.1%	19.5%	28.6%										20.89%
WARD 18	20.9%	14.4%	14.6%	15.9%	17.7%	16.0%	19.8%	12.7%	18.3%	18.2%	13.2%	19.4%	13.1%	11.1%	18.2%	28.1%	18.1%	18.1%	14.5%	26.0%	15.1%	21.8%	15.3%	17.55%
WARD 19	15.4%	24.3%	17.0%	16.8%	20.4%	20.3%	15.2%	23.5%	17.1%	21.0%	9.8%	31.0%	14.0%											18.73%
WARD 20	15.8%	20.2%	12.2%	25.1%	19.3%	23.1%	20.8%	18.5%	19.3%	17.8%	23.1%	23.4%	19.8%	26.9%	12.2%	17.8%	17.2%	23.6%	22.4%	13.8%				18.83%
WARD 21	4.5%	1.4%	2.3%	1.9%	3.7%	13.4%	3.8%	3.2%	4.1%	6.0%	3.8%	9.9%	16.2%	3.3%	3.5%	8.0%								5.87%
WARD 22	8.5%	7.5%	9.2%	11.5%	6.5%	5.9%	10.7%	9.1%	7.5%	11.3%	10.9%	11.8%	12.4%											9.33%
	TOTAL																							13.63%

Data values are percent of registered voters in each precinct.

NOTE: Includes Thompson, Spectacle, and Long islands.

DATA SOURCE: State and City Election Results, November 3, 2015: General Election, City of Boston Election Department:

https://www.cityofboston.gov/images_documents/Nov%203%202015%20Municipal%20Election%2020Ballots%20Cast_tcm3-52593.pdf, Accessed 12/26/17.

Community Assets

Table 3.5 Land Use and Zoning, 2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 3.6 Median Residential Property Value by Zip Code, 2017

Zip Code	Dollar/ft ²
Boston	\$229
02108	\$894
02109	\$707
02110	\$726
02111	\$775
02113	\$615
02114	\$709
02115	\$736
02116	\$871
02118	\$707
02119	\$117
02120	\$226
02121	\$80
02122	\$126
02124	\$107
02125	\$121
02126	\$106
02127	\$424
02128	\$131
02129	\$493
02130	\$276
02131	\$147
02132	\$165
02134	\$303
02135	\$328
02136	\$125
02199	\$1498
02210	\$722
02215	\$664

Data values are property value per square foot.

NOTE: Restricted to residential or mixed-use properties with assessed values and living space. Data for the portion of 02467 in Boston are not presented. Does not include Harbor Islands.

DATA SOURCE: Property Parcel Data, 2017, City of Boston Assessing Department.

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Table 3.7 Average Annual Growth in Median Residential Property Value by Zip Code, 2014 to 2017

Zip Code	Percent per Year
Boston	8.4
02108	5.3
02109	6.0
02110	6.8
02111	6.8
02113	5.5
02114	4.8
02115	6.7
02116	6.1
02118	6.4
02119	10.5
02120	10.9
02121	10.4
02122	8.6
02124	8.5
02125	10.4
02126	8.7
02127	7.8
02128	11.4
02129	7.5
02130	7.2
02131	6.4
02132	4.0
02134	5.4
02135	5.8
02136	5.4
02199	2.3
02210	13.0
02215	6.9

Data values are percent annual growth in median residential property value from 2014 to 2017.

NOTE: Restricted to residential or mixed-use properties with assessed values and living space. Data from 2014 was adjusted for inflation using the Consumer Price Index. Data for the portion of zip code 02147 in Boston was not presented. Does not include Harbor Islands.

DATA SOURCE: Property Parcel Data, 2014 and 2017, City of Boston Assessing Department

Community Assets

Table 3.8 Protected and Recreational Open Space and Bicycle Trails by Neighborhood, 2017

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 3.9 Protected and Recreational Open Space by Type and Neighborhood, 2017

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 3.10 General Open Space by Public Access, 2017

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 3.11 Percentage of General Open Space by Neighborhood, 2017

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

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Table 3.12 Walk Score by Zip Code, 2017

Zip Code	Walk Score
Boston	81
02108	97
02109	98
02110	94
02111	98
02113	99
02114	96
02115	94
02116	97
02118	94
02119	83
02120	88
02121	83
02122	84
02124	77
02125	77
02126	69
02127	85
02128	83
02129	83
02130	76
02131	70
02132	61
02134	88
02135	76
02136	57
02163	71
02199	98
02210	77
02215	90

Data values are walk scores.

NOTE: Walk Score is an index of pedestrian-friendliness that ranges from 0-100. Data for the portion of 02467 in Boston were unavailable. Does not include Harbor Islands.

DATA SOURCE: Walk Score, www.walkscore.com

Table 3.13 Activity Centers by Neighborhood, 2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Community Assets

Table 3.14 Landmarks, Historic Districts, and Main Street Districts by Neighborhood, 2017

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 3.15 Food Resources by Neighborhood, 2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 3.16 Public, Charter, and Parochial Schools by Neighborhood, 2016-2017

Neighborhood	Percent
Allston/Brighton	58
Back Bay	16
Charlestown	80
Dorchester (02121, 02125)	48
Dorchester (02122, 02124)	40
East Boston	62
Fenway	14
Hyde Park	33
Jamaica Plain	33
Mattapan	50
Roslindale	60
Roxbury	25
South Boston	62
South End	40
West Roxbury	60

Data values are percent of schools that are traditional public school.

NOTE: "Back Bay" includes the Back Bay, Beacon Hill, Downtown, the North End, and the West End. "South End" includes the South End and Chinatown. In some cases, there are multiple schools at one location. Does not include Harbor Islands.

DATA SOURCE: School Directory List, Boston Public Schools; Boston Charter Schools, Massachusetts Charter Public School Association; and Boston Catholic Directory, Archdiocese of Boston.

Table 3.17 Colleges and Universities by Neighborhood, 2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Chapter 4: Environmental Health

Table 4.1 Massachusetts Department of Environmental Protection Air Quality Monitoring Site Locations in Boston, 2005-2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 4.2 Annual Average Concentration of Particulate Matter Less than or Equal to 2.5 Microns in Diameter (PM_{2.5}) by Year and Monitoring Site

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Charlestown (1)	11.8	11.1	11.7	10.7	9.8	9.1	8.6	8.8	7.8	6.1	N/A
Harrison Avenue	11.3	9.7	10.5	9.8	8.7	8.3	8.5	8.3	7.4	5.9	6.1
Kenmore Square	12.9	10.8	11.4	11.1	9.0	9.3	9.4	9.0	8.0	6.0	6.5
North End	13.7	11.2	11.9	11.2	10.2	10.0	10.3	9.5	8.8	7.0	7.4
Von Hillern Street (2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.8	6.3	6.7

Data values are concentration in micrograms per cubic meter.

(1) The Massachusetts Department of Environmental Protection closed the Charlestown monitoring site in 2015.

(2) The Massachusetts Department of Environmental Protection opened the Von Hillern Street (Dorchester) monitoring site in 2013.

DATA SOURCE: Air Assessment Branch, Massachusetts Department of Environmental Protection

Table 4.3 Annual Average Concentration of Nitrogen Dioxide (NO₂) by Year and Monitoring Site

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Harrison Avenue	18.7	18.7	19.6	19.7	18.1	17.1	18.5	15.8	17.4	15.8	15.0
Kenmore Square	23.4	22.5	20.6	21.9	20.1	19.1	20.4	19.1	17.8	17.2	17.3
Long Island (1)	7.3	7.3	6.4	7.1	6.1	7.2	7.1	6.7	6.6	6.5	N/A
Von Hillern Street (2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.3	17.5	16.4

Data values are concentration in parts per billion.

(1) The Massachusetts Department of Environmental Protection closed the Long Island monitoring site in 2015.

(2) The Massachusetts Department of Environmental Protection opened the Von Hillern Street (Dorchester) monitoring site in 2013.

DATA SOURCE: Air Assessment Branch, Massachusetts Department of Environmental Protection

Environmental Health

Table 4.4 Number of Exceedance Days for Ozone (based on 8-hour Ozone Standard of 70 parts per billion) in Boston by Year

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 4.5 Mold Hazards/Violations by Year

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Boston	32	37	32	107	147	123	94	99	69	47

Data values are number of hazards/violations.

DATA SOURCE: Environmental and Occupational Health Division, Boston Public Health Commission

Table 4.6 Mold Hazards/Violations by Neighborhood, 2012-2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 4.7 Asbestos Hazards/Violations by Year

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Boston	38	38	11	19	19	13	20	23	11	13

Data values are number of hazards/violations.

DATA SOURCE: Environmental and Occupational Health Division, Boston Public Health Commission

Table 4.8 Water Leaks or Stains in Boston Public Schools by Neighborhood, October 2015 - August 2016

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Environmental Health

Table 4.9 Asthma Emergency Department Visits Among 5- to 17-Year-Olds by Year and Race/Ethnicity

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	150.0	155.5	158.0	155.4	167.3	↑	N/A
Asian	49.6	60.2	60.7	49.0	35.0 §	↔	↓
Black	245.9	245.3	241.7	238.3	267.8	↔	↑
Latino	133.9	138.7	142.6	140.1	156.7	↔	↑
White	45.1	57.3	56.9	60.6	77.3	↑	Reference

Data values are ED visits per 10,000 residents ages 5-17.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 4.10 Asthma Emergency Department Visits Among 5- to 17-Year-Olds by Year and Sex

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	133.3	141.7	139.9	132.6	148.9	↔	↓
Male	166.1	168.8	175.5	177.5	185.2	↑	Reference

Data values are ED visits per 10,000 residents ages 5-17.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 4.11 Asthma Emergency Department Visits¹ Among 5- to 17-Year-Olds by Neighborhood, 2014-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Environmental Health

Table 4.12 Asthma Hospitalizations Among 5- to 17-Year-Olds by Year and Race/Ethnicity

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	42.1	42.4	39.4	37.7	32.9	↓	N/A
Black	63.9	61.6	61.8	56.3	53.1	↔	↑
Latino	43.7	43.4	34.5	38.3	31.3	↓	↑
White	12.6	10.1	9.7	12.8	13.5 §	↔	Reference

Data values are hospitalizations per 10,000 residents ages 5-17.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Rates are not presented due to a small number of cases for Asian residents for 2011-2015.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 4.13 Asthma Hospitalizations Among 5- to 17-Year-Olds by Year and Sex

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	34.9	41.2	36.6	33.2	27.6	↓	↓
Male	49.0	43.6	42.1	42.1	38.0	↓	Reference

Data values are hospitalizations per 10,000 residents ages 5-17.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 4.14 Asthma Hospitalizations¹ Among 5- to 17-Year-Olds by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 4.15 Adults Exposed to Environmental Tobacco Smoke at Home by Year

	2005	2006	2010	2013	2015	Change over time
Boston	17.3 (14.7-19.8)	14.0 (11.9-16.1)	17.6 (15.2-20.1)	15.4 (13.7-17.1)	11.3 (9.6-13.0)	↓

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2005, 2006, 2010, 2013, 2015), Boston Public Health Commission

Environmental Health

Table 4.16 Adults Who Reported Secondhand Tobacco Smoke Exposure at Home by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	13.3 (12.1-14.5)	N/A
Sex		
Female	13.2 (11.7-14.8)	↔
Male	13.4 (11.6-15.3)	Reference
Race/ethnicity		
Asian	15.8 (11.1-20.6)	↑
Black	16.9 (14.6-19.3)	↑
Latino	14.0 (11.2-16.8)	↔
White	10.8 (9.1-12.6)	Reference
Age		
18-24 years old	20.5 (16.4-24.6)	↑
25-44 years old	10.7 (9.0-12.5)	↔
45-64 years old	13.7 (11.9-15.5)	↑
65+ years old	10.5 (8.1-12.9)	Reference
Educational attainment		
<HS grad	18.1 (14.0-22.2)	↑
HS grad	20.0 (16.8-23.3)	↑
Some college+	10.5 (9.2-11.7)	Reference
Employment Status		
Employed	10.0 (8.6-11.3)	Reference
Out of work	22.1 (17.0-27.3)	↑
Other (1)	17.7 (15.3-20.2)	↑
Household income		
Less than \$25,000	22.6 (19.7-25.4)	↑
\$25,000-\$49,999	15.3 (12.6-18.1)	↑
\$50,000 or more	6.1 (4.8-7.4)	Reference
Housing status		
BHA resident (2)	24.9 (19.3-30.4)	↑
Renter, with assistance	23.8 (19.2-28.3)	↑
Renter, no assistance	14.1 (12.0-16.1)	↑
Other arrangement	16.6 (10.6-22.6)	↑
Home owner	6.6 (5.3-8.0)	Reference
Years in U.S.		
Foreign-born, ≤10 years	14.5 (10.6-18.5)	↔
Foreign-born, >10 years	11.0 (8.5-13.4)	↔
U.S.-born	13.7 (12.3-15.2)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Environmental Health

Table 4.17 Adults Who Reported Secondhand Tobacco Smoke Exposure at Home by Neighborhood, 2010, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 4.18 Carbon Monoxide Poisoning Emergency Department Visits[†] by Year

	2011	2012	2013	2014	2015	Change over time
Boston	15.3	13.4	16.8	6.4	13.8	↓

Data values are ED visits per 100,00 residents.

[†] Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 4.19 Carbon Monoxide Poisoning Emergency Department Visits by Selected Indicators, 2012-2015

	Rate	Comparison to reference
Boston [†]	12.6	N/A
Sex[†]		
Female	14.1	↑
Male	10.8	Reference
Race/ethnicity[†]		
Asian	6.1 §	↔
Black	28.8	↑
Latino	8.6	↔
White	6.2	Reference
Age^{††}		
0-17 years old	22.2	Reference
18-44 years old	9.4	↓
45-64 years old	9.6	↓
65+ years old	7.6 §	↓

Data values are ED visits per 100,000 residents.

[†] 4-year average annual age-adjusted rates per 100,000 residents

^{††} 4-year average annual rates per 100,000 residents

§ Rates based on 20 or fewer cases should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Environmental Health

Table 4.20 Tap Water Lead Concentration by Year

	2012	2013	2014	2015	2016
Boston	11.6	10.7	11.4	7.8	8.9

Data values are parts per billion.

DATA SOURCE: Boston Water and Sewer Commission

Table 4.21 Overcrowded Housing by Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Boston	3.0 (2.5-3.5)	N/A
Asian	6.5 (3.8-9.3)	↑
Black	3.4 (1.9-4.9)	↑
Latino	6.4 (3.9-8.9)	↑
White	1.2 (0.7-1.7)	Reference

Data values are percent of occupied housing units with more than one occupant per room.

NOTE: Due to limited data availability, data for Asian residents includes individuals who identified as Latino (less than 1% of Asian residents identified as Latino).

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 4.22 Overcrowded Housing by Age, 2015

	Percent (95% CI)	Comparison to reference
15-34 years old	3.1 (2.1-4.0)	Reference
35-64 years old	3.6 (2.6-4.6)	↔
65+ years old	‡	N/A

Data values are percent of occupied housing units with more than one occupant per room.

‡ Data not presented due to insufficient sample size

DATA SOURCE: American Community Survey, 2015, U.S. Census Bureau

Table 4.23 Tenure by Occupants per Room, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Environmental Health

Table 4.24 Heat-Related Illness Emergency Department Visits During Hot-Weather Months† by Year

	2011	2012	2013	2014	2015	Change over time
Boston	6.7	13.1	8.3	6.6	10.1	↔

Data values ED visits per 100,000 residents.

† Age-adjusted rates

NOTE: Warm-weather months are defined as May, June, July, August, and September.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 4.25 Heat-Related Illness Emergency Department Visits During Warm-Weather Months by Selected Indicators, 2012-2015

	Rate	Comparison to reference
Boston†	9.5	N/A
Sex†		
Female	8	↓
Male	11.2	Reference
Race/ethnicity†		
Asian	6.6 §	↔
Black	12.5	↔
Latino	8.2	↔
White	9.4	Reference
Age††		
0-17 years old	8.1	↓
18-44 years old	8.5	↓
45-64 years old	9.4	↓
65+ years old	15.2	Reference

Data values are ED visits per 100,000 residents.

† 4-year average annual age-adjusted rates

†† 4-year average annual rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator. Warm-weather months are defined as May, June, July, August, and September.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Environmental Health

Table 4.26 Cold-Related Illness Emergency Department Visits[†] During Cold-Weather Months by Year

	2011	2012	2013	2014	2015	Change over time
Boston	19.2	14.2	20.4	33.4	37.7	↑

Data values are ED visits per 100,000 residents.

[†] Age-adjusted rates per 100,000 residents

NOTE: Cold-weather months are defined as November, December, January, February, and March.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 4.27 Cold-Related Illness Emergency Department Visits During Cold-Weather Months by Selected Indicators, 2012-2015

	Rate	Comparison to reference
Boston [†]	26.5	N/A
Sex[†]		
Female	13.3	↓
Male	41.2	Reference
Race/ethnicity[†]		
Asian	5.7 §	↓
Black	45.9	↑
Latino	16.8	↓
White	27.5	Reference
Age^{††}		
0-17 years old	6.3	↓
18-44 years old	20.1	↓
45-64 years old	50.9	↑
65+ years old	34.8	Reference

Data values are ED visits per 100,000 residents.

[†] 4-year average annual age-adjusted rates per 100,000 residents

^{††} 4-year average annual rates per 100,000 residents

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator. Cold-weather months are defined as November, December, January, February, and March.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Environmental Health

Table 4.28 Cold-Related Illness Emergency Department Visits[†] During Cold-Weather Months by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Chapter 5: Access to Care

Table 5.1 Boston Population with Health Insurance by Year

	2011	2012	2013	2014	2015
Boston	94.5 (93.8-95.2)	95.0 (94.3-95.7)	95.6 (94.9-96.3)	94.9 (94.2-95.6)	96.2 (95.7-96.7)

Data values are percent of population.

DATA SOURCE: American Community Survey, 2011, 2012, 2013, 2014, 2015, U.S. Census Bureau

Table 5.2 Uninsured by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Comparison to reference 2015
Boston	5.5 (4.8-6.2)	5.0 (4.3-5.7)	4.4 (3.7-5.1)	5.1 (4.4-5.8)	3.8 (3.3-4.3)	N/A
Asian	4.0 (1.9-6.1)	3.7 (2.0-5.4)	2.7 (1.5-3.9)	4.5 (2.7-6.3)	3.1 (1.6-4.6)	↔
Black	6.3 (4.9-7.7)	7.7 (5.6-9.8)	5.2 (3.9-6.5)	5.9 (4.4-7.4)	4.5 (3.0-6.0)	↔
Latino	9.5 (7.1-11.9)	6.8 (5.4-8.2)	7.6 (5.3-9.9)	8.9 (6.6-11.2)	4.8 (3.3-6.3)	↔
White	3.6 (2.6-4.6)	3.1 (2.3-3.9)	2.8 (2.1-3.5)	3.2 (2.0-4.4)	3.0 (2.3-3.7)	Reference

Data values are percent of population.

NOTE: Due to limited data availability, data for Asian residents includes individuals who identified as Latino (less than 1% of Asian residents identified as Latino).

DATA SOURCE: American Community Survey, 2011, 2012, 2013, 2014, 2015, U.S. Census Bureau

Access to Care

Table 5.3 Uninsured by Selected Indicators, 2011-2015

	Percent (95% CI)	Comparison to reference
Boston	4.7 (4.3-5.0)	N/A
Sex		
Female	3.5(3.2-3.8)	↓
Male	6.0 (5.5-6.4)	Reference
Age		
< 18 years old	1.4 (0.9-1.9)	↓
18-64 years old	5.9 (5.5-6.3)	Reference
65+ years old	1.1 (0.7-1.4)	↓
Educational attainment		
Less than HS diploma	7.4 (6.4-8.4)	Reference
HS diploma/GED	7.9 (7.0-8.8)	↔
Some college/Associate's degree	6.1 (5.3-7.0)	↔
Bachelor's degree or higher	2.8 (2.4-3.3)	↓
Employment status		
Employed	5.0 (4.6-5.4)	Reference
Unemployed	15.8 (13.7-18.0)	↑
Household income		
Under \$25,000	5.6 (4.8-6.5)	↑
\$25,000-\$49,999	6.1 (5.2-7.1)	↑
\$50,000+	4.0 (3.7-4.4)	Reference
Place of Birth		
Foreign-born	8.6 (0.9-0.9)	↑
U.S.-born	3.2 (0.2-0.2)	Reference

Data points are percent of population.

NOTE: Comparisons are made within each selected indicator. Education is among adults ages 25 and older. Employment status is among adults ages 18 and older. Household income is among residents living in households.

DATA SOURCE: American Community Survey, 2011-2015, U.S. Census Bureau

Table 5.4 Uninsured by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Access to Care

Table 5.5 Could Not Afford to See a Doctor in the Past 12 Months by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	9.2 (8.2-10.2)	N/A
Sex		
Female	9.1 (7.8-10.4)	↔
Male	9.4 (7.8-11.0)	Reference
Race/ethnicity		
Asian	7.2 (3.7-10.8)	↔
Black	13.2 (10.8-15.6)	↑
Latino	16.4 (13.4-19.5)	↑
White	5.2 (4.1-6.4)	Reference
Age		
18-24 years old	10.2 (7.3-13.1)	Reference
25-44 years old	9.5 (7.8-11.2)	↔
45-64 years old	10.1 (8.4-11.7)	↔
65+ years old	5.2 (3.3-7.0)	↓
Educational attainment		
<HS grad	18.5 (14.2-22.8)	↑
HS grad	9.5 (7.3-11.6)	↑
Some college+	7.2 (6.2-8.2)	Reference
Employment status		
Employed	8.4 (7.2-9.7)	Reference
Out of work	17.5 (13-22.1)	↑
Other (1)	8.5 (6.7-10.3)	↔
Household income		
Under \$25,000	14.7 (12.3-17.2)	↑
\$25,000-\$49,999	13.5 (10.7-16.2)	↑
\$50,000+	3.7 (2.7-4.6)	Reference
Housing status		
BHA resident (2)	14.0 (9.3-18.7)	↑
Renter, with assistance	16.8 (12.2-21.3)	↑
Renter, no assistance	10.2 (8.4-11.9)	↑
Other arrangement	11.9 (7.5-16.4)	↑
Home owner	5.3 (4.2-6.5)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	12.7 (9.1-16.4)	↑
Foreign-born, >10 yrs	13.5 (10.8-16.1)	↑
U.S.-born	7.1 (6.1-8.2)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Access to Care

Table 5.6 Has Personal Doctor or Health Care Provider by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	79.7 (78.1-81.2)	N/A
Sex		
Female	85.2 (83.3-87.0)	↑
Male	73.4 (70.9-76.0)	Reference
Race/ethnicity		
Asian	69.0 (62.9-75.1)	↓
Black	85.9 (83.5-88.4)	↔
Latino	70.1 (66.1-74.0)	↓
White	82.8 (80.4-85.1)	Reference
Age		
18-24 years old	63.7 (58.7-68.8)	Reference
25-44 years old	75.5 (72.9-78.2)	↑
45-64 years old	90.7 (89.1-92.3)	↑
65+ years old	94.6 (92.7-96.4)	↑
Educational attainment		
<HS grad	74.9 (70.1-79.6)	↓
HS grad	77.8 (74.2-81.4)	↔
Some college+	81.4 (79.5-83.3)	Reference
Employment status		
Employed	80.6 (78.6-82.6)	Reference
Out of work	75.7 (70.2-81.1)	↔
Other (1)	79.8 (77.0-82.7)	↔
Household income		
Less than \$25,000	72.9 (69.6-76.2)	↓
\$25,000-\$49,999	81.9 (78.5-85.3)	↔
\$50,000 or more	85.6 (83.3-87.8)	Reference
Housing status		
BHA resident (2)	77.4 (71.5-83.3)	↓
Renter, with assistance	81.9 (77.0-86.8)	↓
Renter, no assistance	71.9 (69.1-74.8)	↓
Other arrangement	71.2 (63.8-78.6)	↓
Home owner	92.0 (90.4-93.7)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	51.3 (45.9-56.7)	↓
Foreign-born, >10 yrs	84.9 (82.0-87.9)	↔
U.S.-born	84.3 (82.5-86)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Access to Care

Table 5.7 No Usual Place for Health Care by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	5.7 (4.3-7.1)	N/A
Sex		
Female	3.8 (2.4-5.2)	↓
Male	7.9 (5.4-10.5)	Reference
Race/ethnicity		
Asian §	3.6 (0.4-6.7)	↔
Black	5.4 (2.9-7.8)	↔
Latino	7.6 (4.0-11.3)	↔
White	5.4 (3.2-7.5)	Reference
Age		
18-24 years old	6.5 (2.9-10.2)	Reference
25-44 years old	8.3 (5.6-11.1)	↔
45-64 years old	2.6 (1.3-4)	↓
65+ years old	2.7 (1.1-4.3)	↓
Educational attainment		
<HS grad §	6.1 (1.9-10.2)	↔
HS grad	5.2 (2.4-8.0)	↔
Some college+	5.7 (4.0-7.4)	Reference
Employment status		
Employed	6.1 (4.2-8.0)	Reference
Out of Work §	9.3 (2.3-16.4)	↔
Other (1)	4.7 (2.6-6.7)	↔
Household income		
Less than \$25,000	5.8 (3.0-8.6)	↔
\$25,000-\$49,999	5.7 (2.7-8.8)	↔
\$50,000 or more	4.2 (2.2-6.1)	Reference
Housing status		
BHA resident (2) §	0.9 (0-1.8)	↓
Renter, with assistance §	5.7 (1.5-10.0)	↔
Renter, no assistance	7.6 (5.0-10.3)	↑
Other arrangement §	9.5 (2.7-16.3)	↑
Home owner	3.7 (1.8-5.5)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	10.0 (5.0-15.1)	↔
Foreign-born, >10 yrs	3.5 (1.7-5.4)	↔
U.S.-born	5.6 (3.9-7.4)	Reference

Data values are percent of adults.

§ Estimates have a coefficient of variation greater than or equal to 30% and should be interpreted with caution.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Access to Care

Table 5.8 Dental Insurance by Year

	2003	2005	2008	2013	2015	Change over time
Boston	61.4 (57.9-65.0)	60.4 (57.5-63.3)	70.9 (68.2-73.6)	64.6 (62.5-66.7)	70.9 (68.4-73.3)	↑

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2003, 2005, 2008, 2013, 2015), Boston Public Health Commission

Access to Care

Table 5.9 Dental Insurance by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	70.9 (68.4-73.3)	N/A
Sex		
Female	70.1 (66.9-73.3)	↔
Male	71.8 (68.0-75.6)	Reference
Race/ethnicity		
Asian	59.8 (49.5-70.2)	↓
Black	72.2 (67.9-76.5)	↔
Latino	66.0 (59.8-72.2)	↓
White	74.8 (71.4-78.3)	Reference
Age		
18-24 years old	70.4 (62.9-77.9)	Reference
25-44 years old	75.3 (71.1-79.5)	↔
45-64 years old	75.8 (72.5-79.2)	↔
65+ years old	47.6 (42.9-52.2)	↓
Educational attainment		
<HS grad	62.9 (55.0-70.7)	↓
HS grad	65.2 (59.6-70.8)	↓
Some college+	74.4 (71.6-77.2)	Reference
Employment status		
Employed	78.5 (75.6-81.5)	Reference
Out of work	59.0 (47.9-70.1)	↓
Other (1)	59.3 (54.8-63.7)	↓
Household income		
Less than \$25,000	57.7 (52.4-63.1)	↓
\$25,000-\$49,999	64.3 (58.3-70.2)	↓
\$50,000 or more	84.3 (81.5-87.2)	Reference
Housing status		
BHA resident (2)	71.6 (62.6-80.7)	↔
Renter, with assistance	69.3 (61.3-77.2)	↔
Renter, no assistance	67.5 (63.0-72.0)	↓
Other arrangement	70.5 (59.8-81.2)	↔
Home owner	75.7 (72.6-78.7)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	55.1 (46.2-64.0)	↓
Foreign-born, >10 yrs	68.9 (63.4-74.4)	↓
U.S.-born	75.0 (72.2-77.7)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Access to Care

Table 5.10 Loss of One or More Teeth by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	33.1 (30.7-35.5)	N/A
Sex		
Female	34.9 (31.7-38.1)	↔
Male	31.1 (27.5-34.6)	Reference
Race/ethnicity		
Asian	25.8 (17.1-34.6)	↔
Black	44.1 (39.2-48.9)	↑
Latino	36.2 (30.1-42.3)	↑
White	28.0 (24.8-31.2)	Reference
Age		
18-24 years old	12.0 (6.7-17.4)	Reference
25-44 years old	21.6 (18.0-25.3)	↑
45-64 years old	50.9 (47.1-54.7)	↑
65+ years old	68.7 (64.0-73.3)	↑
Educational attainment		
<HS grad	56.7 (48.2-65.1)	↑
HS grad	36.9 (31.4-42.3)	↑
Some college+	27.6 (25.0-30.2)	Reference
Employment status		
Employed	25.5 (22.8-28.2)	Reference
Out of work	51.1 (39.7-62.5)	↑
Other (1)	44.5 (39.9-49.1)	↑
Household income		
Less than \$25,000	45.4 (40.1-50.7)	↑
\$25,000-\$49,999	38.2 (32.3-44.2)	↑
\$50,000 or more	25.2 (22.1-28.2)	Reference
Housing status		
BHA resident (2)	44.8 (34.5-55.1)	↔
Renter, with assistance	49.9 (41.4-58.3)	↑
Renter, no assistance	29.3 (25.3-33.3)	↓
Other arrangement	20.5 (11.3-29.6)	↓
Home owner	35.4 (31.9-38.9)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	20.3 (13.5-27.0)	↓
Foreign-born, >10 yrs	43.3 (37.5-49.1)	↑
U.S.-born	32.6 (29.8-35.3)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Access to Care

Table 5.11 Location of Community Health Centers (CHCs) and Acute Care Hospitals by Neighborhood

The figure associated with this table displays locations on a map in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Chapter 6: Maternal and Child Health

Table 6.1 Birth Count by Race/Ethnicity and Year

	2011	2012	2013	2014	2015
Boston	8,043	8,012	7,818	7,722	7,741
Asian	645	726	697	738	713
Black	2,187	2,136	2,089	1,944	1,859
Latino	1,903	1,998	1,849	1,837	1,930
White	3,191	3,017	3,014	3,001	2,992

Data values are number of births.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Table 6.2 Birth Rate by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	45.0	44.5	43.2	42.3	42.1	↓	N/A
Asian	35.4	38.9	36.6	37.8	35.7	↔	↑
Black	65.8	64.7	63.8	59.7	57.4	↓	↑
Latino	64.3	66.3	60.2	58.7	60.8	↓	↑
White	35.5	33.3	33.1	32.8	32.4	↓	Reference

Data values are births per 1,000 female residents ages 15-44.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Maternal and Child Health

Table 6.3 Births by Selected Indicators, 2015

	Percent
Race/ethnicity	
Asian	9.2
Black	24.0
Latino	24.9
White	38.7
Age	
<20 years old	3.2
20-24 years old	13.0
25-29 years old	21.9
30-34 years old	36.3
35+ years old	25.5
Educational attainment	
<HS grad	12.3
HS grad	17.5
Some college+	70.2
Mother's preferred spoken language	
English	85.1
Spanish	8.8
Haitian Creole	1.5
Cape Verdean Creole	1.2
Chinese	1.0
Other	2.4

Data values are percent of births.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Table 6.4 Births Among Females Ages 15-17 by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	14.5	10.1	8.8	8.0	5.8	↓	N/A
Asian	7.7 §	‡	‡	‡	‡	N/A	N/A
Black	13.3	9.0	7.2	5.4 §	4.3 §	↓	↔
Latino	25.2	18.7	15.4	15.4	10.2	↓	↔
White	6.5 §	5.4 §	5.6 §	3.7 §	4.6 §	↔	Reference

Data values are births per 1,000 female residents ages 15-17.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Maternal and Child Health

Table 6.5 Births Among Females Ages 18-19 by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	15.5	15.6	13.1	11	10.2	↓	N/A
Asian	‡	2.8 §	‡	‡	‡	N/A	N/A
Black	42.1	41.9	35.2	26.3	24.2	↓	↑
Latino	46.6	46.3	42.9	36.5	34.8	↓	↑
White	2.6	2.5	1.4 §	1.4 §	1.2 §	↓	Reference

Data values are births per 1,000 female residents ages 18-19.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Table 6.6 Repeat Adolescent Births (Ages 15-19 Years) by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time
Boston	12.3	12.8	12.6	10.9	12.6	↔
Black	9.9§	15.6	10.5§	6.4§	17.6§	↔
Latino	14.6	12.4	15.8	13.2§	11.9§	↔

Data values are percent of females ages 15-19 who had given birth.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Rates are not presented due to a small number of cases for Asian or White female residents for 2011-2015.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Table 6.7 Low Birthweight Births by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	9.2	8.4	8.8	8.9	8.6	↔	N/A
Asian	10.5	6.3	9.1	8.3	9.9	↔	↑
Black	12.0	10.5	12.3	12.3	11.5	↔	↑
Latino	9.1	9.1	8.7	8.6	8.8	↔	↑
White	7.1	7.3	6.4	7.1	6.4	↔	Reference

Data values are percent of births.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Maternal and Child Health

Table 6.8 Low Birthweight Births by Selected Indicators, 2015

	Percent	Comparison to reference
Boston	8.6	N/A
Age		
15-17 years old	13.5 §	↔
18-19 years old	8.9 §	↔
20-34 years old	8.0	Reference
35-39 years old	9.2	↔
40+ years old	14.3	↑
Educational attainment		
<HS grad	10.3	↑
HS grad	10.6	↑
Some college+	7.8	Reference
Mother's preferred spoken language		
English	8.7	Reference
Spanish	7.7	↔
Haitian Creole	11.6 §	↔
Cape Verdean Creole	8.4 §	↔
Chinese	‡	↔
Other language	11.5	↔

Data values are percent of births.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Table 6.9 Low Birthweight Births by Neighborhood, 2014-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Maternal and Child Health

Table 6.10 Preterm Births by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	9.5	9.6	9.3	9.4	9.5	↔	N/A
Asian	9.6	5.7	8.2	8.3	9.5	↔	↔
Black	11.7	10.4	12.0	11.3	11.4	↔	↑
Latino	9.6	10.6	9.2	9.6	9.8	↔	↑
White	7.9	9.3	7.6	8.4	7.9	↔	Reference

Data values are percent of births.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Table 6.11 Preterm Births by Selected Indicators, 2015

	Percent	Comparison to reference
Boston	9.5	N/A
Age		
15-17 years old	13.5 §	↔
18-19 years old	10.3 §	↔
20-34 years old	8.5	Reference
35-39 years old	10.9	↑
40+ years old	16.9	↑
Educational attainment		
<HS grad	10.4	↔
HS grad	11.4	↑
Some college+	8.8	Reference
Mother's preferred spoken language		
English	9.5	Reference
Spanish	9.6	↔
Haitian Creole	9.8 §	↔
Cape Verdean Creole	7.4 §	↔
Chinese	‡	NA
Other language	13.0	↔

Data values are percent of births.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health (data as of August 2016). Data may be updated as more information becomes available.

Maternal and Child Health

Table 6.12 Preterm Births by Neighborhood, 2014-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 6.13 Infant Mortality by Race/Ethnicity and Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time	Comparison to Reference (2015)
Boston	5.9	6.7	7.4	6.8	4.0	5.7	4.9	4.9	6.9	5.4	↔	N/A
Asian	‡	‡	‡	8.2 §	‡	7.8 §	‡	‡	‡	‡	N/A	N/A
Black	14.5	12.3	13.6	7.3 §	7.4 §	7.8 §	7.5 §	8.1 §	13.4	8.1 §	↓	↑
Latino	2.9 §	6.8 §	8.1 §	8.0 §	4.7 §	5.3 §	6.0 §	5.9 §	7.1 §	9.8 §	↔	↑
White	2.5 §	3.7 §	3.8 §	5.3 §	1.9 §	4.4 §	2.7 §	3.0 §	2.3 §	1.7 §	↔	Reference

Data values are infant deaths per 1,000 live births.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution.

DATA SOURCE: Massachusetts linked infant birth-infant death file (death cohort), Massachusetts Department of Public Health (data as of February 2017). Data may be updated as more information becomes available.

Table 6.14 Neonatal and Postneonatal Infant Mortality by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Neonatal	4.6	5.1	5.2	5.1	3.5	4.4	3.0	3.7	4.7	4.5	↔
Postneonatal	1.4§	1.7§	2.0§	1.6§	‡	1.4§	1.9§	1.2§	2.2§	0.9§	↔

Data values are infant deaths per 1,000 live births.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

DATA SOURCE: Massachusetts linked infant birth-infant death file (death cohort), Massachusetts Department of Public Health (data as of February 2017). Data may be updated as more information becomes available.

Maternal and Child Health

Table 6.15a Infant Mortality by Cause of Death, Boston Overall, 2012-2015

Table 6.15b Infant Mortality by Cause of Death, Black Infants, 2012-2015

Table 6.15c Infant Mortality by Cause of Death, Latino Infants, 2012-2015

Table 6.15d Infant Mortality by Cause of Death, White Infants, 2012-2015

The figures associated with these tables contain complete count and rate data in *Health of Boston 2016-2017*. For more information, see these figures as displayed in *Health of Boston 2016-2017*.

Table 6.16 Infant Mortality¹ by Neighborhood, 2006-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 6.17 Elevated Blood Lead Levels¹ by Year

	2011	2012	2013	2014	2015
Male	3.9	3.6	3.2	2.6	2.4
Female	3.0	3.1	2.5	2.3	2.2

Data values are percent of children testing positive.

¹ Based on the 2012 CDC recommendation of ≥ 5 ug/dl. For more information see Blood-Lead Level in the Technical Notes.

DATA SOURCE: Childhood Lead Poisoning Prevention Program, Massachusetts Department of Public Health

Maternal and Child Health

Table 6.18 Total Number of Adverse Childhood Experiences (ACEs) Among Adults by Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)
0 ACEs	
Boston	67.7 (66.0-69.3)
Black	67.4 (64.3-70.4)
Latino	67.0 (63.0-70.9)
White	65.7 (63.2-68.2)
1 ACE	
Boston	19.2 (17.8-20.6)
Black	19.6 (17.0-22.3)
Latino	19.7 (16.4-23.0)
White	19.5 (17.4-21.6)
2 ACEs	
Boston	8.9 (7.9-9.8)
Black	7.9 (6.3-9.5)
Latino	9.1 (6.6-11.7)
White	10.0 (8.5-11.5)
3 ACEs	
Boston	4.2 (3.5-5.0)
Black	5.1 (3.4-6.8)
Latino	4.2 (2.3-6.0)
White	4.8 (3.6-5.9)

Data values are percent of adults.

NOTE: Data are not presented for Asian residents due to insufficient sample size.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Health-Related Behaviors

Chapter 7: Health-Related Behaviors

Table 7.1 Public High School Students Who Consumed Fruit Less Than Once per Day by Year

	2009	2011	2013	2015	Change over time
Boston	42.9 (40.2-45.5)	43.6 (39.7-47.4)	43.7 (40.4-47.0)	44.0 (41.7-46.3)	↔

Data values are percent of public high school students.

NOTE: In 2009, 2011, and 2013, 15-20% of unweighted sample was missing data, and estimates should be interpreted with caution.

DATA SOURCE: Youth Risk Behavior Survey (2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 7.2 Public High School Students Who Consumed Fruit Less Than Once per Day by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	44.0 (41.7-46.3)	N/A
Sex		
Female	46.8 (43.0-50.5)	↑
Male	41.0 (37.5-44.6)	Reference
Race/ethnicity		
Asian	42.9 (36.1-49.8)	↔
Black	43.2 (38.6-47.8)	↔
Latino	47.8 (43.9-51.7)	↑
White	34.8 (27.7-41.9)	Reference
Years in U.S.		
≤6 years in U.S.	36.4 (30.7-42.1)	↓
>6 years in U.S.	42.3 (36.3-48.3)	↔
Always lived in U.S.	46.0 (43.4-48.7)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.3 Public High School Students Who Consumed Fruit Less Than Once per Day by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	41.2 (33.5-48.9)	↔
Black	49.3 (44.0-54.7)	↑
Latino	50.0 (44.7-55.2)	↑
White	36.0 (28.6-43.4)	Reference
Male		
Asian	39.7 (31.8-47.5)	↔
Black	38.9 (33.5-44.3)	↔
Latino	45.4 (41.1-49.6)	↔
White	34.9 (26.0-43.7)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator. In 2013, 15-20% of unweighted sample was missing data, and estimates should be interpreted with caution.

DATA SOURCE: Youth Risk Behavior Survey (2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 7.4 Adults Who Consumed Fruit Less Than Once per Day by Year

	2013	2015	Change over time
Boston	37.5 (35.4-39.7)	41.0 (38.4-43.7)	↑

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Health-Related Behaviors

7.5 Adults Who Consumed Fruit Less Than Once per Day by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	41.0 (38.4-43.7)	N/A
Sex		
Female	39.1 (35.7-42.5)	↔
Male	43.3 (39.1-47.4)	Reference
Race/ethnicity		
Asian	39.0 (29.3-48.8)	↔
Black	46.2 (41.4-51.0)	↑
Latino	48.4 (42.1-54.7)	↑
White	37.0 (33.0-41.0)	Reference
Age		
18-24 years old	44.9 (36.8-52.9)	↔
25-44 years old	41.0 (36.4-45.6)	↔
45-64 years old	40.7 (37.0-44.5)	↔
65+ years old	37.6 (33.0-42.2)	Reference
Educational attainment		
<HS grad	50.2 (42.2-58.1)	↑
HS grad	49.4 (43.5-55.3)	↑
Some college+	36.5 (33.4-39.7)	Reference
Employment status		
Employed	38.8 (35.4-42.3)	Reference
Out of work	41.9 (31.0-52.8)	↔
Other (1)	44.9 (40.3-49.4)	↑
Household income		
Less than \$25,000	50.6 (45.3-55.9)	↑
\$25,000-\$49,999	37.4 (31.5-43.3)	↔
\$50,000 or more	33.4 (29.6-37.3)	Reference
Housing status		
BHA resident (2)	46.6 (36.6-56.5)	↑
Renter, with assistance	45.2 (37.1-53.4)	↑
Renter, no assistance	47.1 (42.4-51.9)	↑
Other arrangement	43.3 (31.7-54.9)	↑
Home owner	30.1 (26.7-33.5)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	48.5 (39.6-57.4)	↔
Foreign-born, >10 yrs	37.6 (32.1-43.2)	↔
U.S.-born	41.2 (38.0-44.4)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.6 Adults Who Consumed Fruit Less Than Once per Day by Sex and Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Female		
Asian	35.7 (21.6-49.7)	↔
Black	43.3 (37.5-49.1)	↑
Latino	49.5 (41.6-57.4)	↑
White	32.7 (27.4-38.0)	Reference
Male		
Asian	41.8 (28.4-55.2)	↔
Black	50.6 (42.4-58.8)	↔
Latino	47.0 (36.9-57.1)	↔
White	41.4 (35.4-47.5)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 7.7 Adults Who Consumed Fruit Less Than Once per Day by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 7.8 Public High School Students Who Consumed Vegetables Less Than Once per Day by Year

	2009	2011	2013	2015	Change over time
Boston	52.0 (48.9-55.1)	54.1 (50.6-57.5)	49.5 (45.5-53.6)	50.7 (47.6-53.7)	↔

Data values are percent of public high school students.

NOTE: In 2009, 2011, and 2013, 15-20% of unweighted sample was missing data, and estimates should be interpreted with caution.

DATA SOURCE: Youth Risk Behavior Survey (2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.9 Public High School Students Who Consumed Vegetables Less Than Once per Day by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	50.7 (47.5-53.8)	N/A
Sex		
Female	52.0 (48.0-56.0)	↔
Male	49.4 (45.3-53.5)	Reference
Race/ethnicity		
Asian	32.9 (24.6-41.1)	↔
Black	52.6 (46.2-59.0)	↑
Latino	58.5 (53.7-63.3)	↑
White	40.3 (33.1-47.5)	Reference
Years in U.S.		
≤6 years in U.S.	48.4 (41.1-55.7)	↔
>6 years in U.S.	54.2 (47.4-60.9)	↔
Always lived in U.S.	50.4 (46.4-54.3)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 7.10 Public High School Students Who Consumed Vegetables Less Than Once per Day by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	28.2 (20.5-35.8)	↔
Black	55.1 (48.5-61.7)	↑
Latino	60.8 (55.6-66.1)	↑
White	33.6 (25.6-41.6)	Reference
Male		
Asian	33.2 (26.2-40.2)	↔
Black	51.2 (45.1-57.4)	↔
Latino	55.3 (49.7-61.0)	↑
White	40.3 (31.4-49.3)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator. In 2013, 15-20% of unweighted sample was missing data, and estimates should be interpreted with caution.

DATA SOURCE: Youth Risk Behavior Survey (2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.11 Adults Who Consumed Vegetables Less Than Once per Day by Year

	2013	2015	Change over time
Boston	24.8 (22.9-26.8)	24.5 (22.2-26.8)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Health-Related Behaviors

7.12 Adults Who Consumed Vegetables Less Than Once per Day by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	24.5 (22.2-26.8)	N/A
Sex		
Female	21.8 (19.0-24.6)	↓
Male	27.6 (23.8-31.3)	Reference
Race/ethnicity		
Asian	27.2 (18.3-36.1)	↑
Black	31.2 (26.7-35.7)	↑
Latino	33.0 (27.0-39.0)	↑
White	18.4 (15.2-21.5)	Reference
Age		
18-24 years old	28.7 (21.5-35.8)	↔
25-44 years old	20.4 (16.8-24.1)	↓
45-64 years old	26.0 (22.5-29.5)	↔
65+ years old	30.4 (25.7-35.1)	Reference
Educational attainment		
<HS grad	39.5 (31.7-47.3)	↑
HS grad	35.3 (29.6-40.9)	↑
Some college+	18.1 (15.6-20.5)	Reference
Employment status		
Employed	22.3 (19.3-25.2)	Reference
Out of work	27.9 (17.8-38.0)	↔
Other (1)	27.3 (23.4-31.2)	↑
Household income		
Less than \$25,000	33.8 (28.8-38.8)	↑
\$25,000-\$49,999	25.5 (20.4-30.6)	↑
\$50,000 or more	15.9 (13.0-18.8)	Reference
Housing status		
BHA resident (2)	36.1 (26.4-45.7)	↑
Renter, with assistance	31.6 (24.1-39.0)	↑
Renter, no assistance	24.8 (20.7-28.9)	↑
Other arrangement	32.9 (22.0-43.8)	↑
Home owner	17.1 (14.4-19.8)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	29.8 (21.6-37.9)	↔
Foreign-born, >10 yrs	27.7 (22.4-33.0)	↔
U.S.-born	22.5 (19.9-25.2)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.13 Adults Who Consumed Vegetables Less Than Once per Day by Sex and Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Female		
Asian	21.5 (10.1-32.8)	↔
Black	28.5 (23.2-33.9)	↑
Latino	32.8 (25.3-40.4)	↑
White	13.8 (10.2-17.4)	Reference
Male		
Asian	31.9 (18.9-44.9)	↔
Black	35.3 (27.2-43.3)	↑
Latino	33.3 (23.4-43.1)	↔
White	23.0 (17.9-28.1)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 7.14 Adults Who Consumed Vegetables Less Than Once per Day by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 7.15 Public High School Students Who Engaged in Regular Physical Activity by Year

	2007	2009	2011	2013	2015	Change over time
Boston	29.7 (26.9-32.6)	26.6 (23.4-29.8)	29.1 (26.0-32.3)	29.1 (24.0-34.1)	30.1 (27.4-32.8)	↔

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.16 Public High School Students Who Engaged in Regular Physical Activity by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	30.1 (27.3-32.9)	N/A
Sex		
Female	22.0 (19.0-25.0)	↓
Male	38.0 (34.2-41.7)	Reference
Race/ethnicity		
Asian	18.8 (13.0-24.7)	↓
Black	31.7 (26.7-36.7)	↔
Latino	30.1 (25.7-34.4)	↔
White	38.7 (30.3-47.1)	Reference
Years in U.S.		
≤6 years in U.S.	25.0 (20.2-29.7)	↓
>6 years in U.S.	30.8 (23.7-37.9)	↔
Always lived in U.S.	31.2 (27.9-34.5)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 7.17 Public High School Students Who Engaged in Regular Physical Activity by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	18.5 (11.2-25.8)	↓
Black	22.3 (17.3-27.2)	↓
Latino	20.9 (16.1-25.6)	↓
White	34.3 (24.9-43.6)	Reference
Male		
Asian	27.1 (19.5-34.8)	↓
Black	37.1 (31.5-42.7)	↔
Latino	37.5 (32.4-42.6)	↔
White	43.0 (34.5-51.6)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.18 Adults Who Met CDC Guidelines for Physical Activity by Year

	2013	2015	Change over time
Boston	24.1 (22.2-26.0)	18.8 (16.7-20.9)	↓

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Health-Related Behaviors

7.19 Adults Who Met CDC Guidelines for Physical Activity by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	18.8 (16.7-20.9)	N/A
Sex		
Female	18.1 (15.3-20.9)	↔
Male	19.6 (16.4-22.8)	Reference
Race/ethnicity		
Asian	15.3 (8.4-22.2)	↔
Black	19.5 (15.5-23.4)	↔
Latino	10.4 (6.7-14.2)	↓
White	22.0 (18.6-25.4)	Reference
Age		
18-24 years old	20.0 (13.7-26.3)	↔
25-44 years old	19.7 (15.9-23.4)	↔
45-64 years old	17.1 (14.4-19.8)	↔
65+ years old	17.8 (14.6-20.9)	Reference
Educational attainment		
<HS grad	9.3 (4.8-13.7)	↓
HS grad	12.9 (9.1-16.7)	↓
Some college+	22.7 (19.9-25.5)	Reference
Employment status		
Employed	19.9 (17.1-22.7)	Reference
Out of work	24.1 (13.7-34.5)	↔
Other (1)	15.9 (12.5-19.2)	↔
Household income		
Less than \$25,000	15.3 (11.3-19.2)	↓
\$25,000-\$49,999	14.5 (10.0-19.1)	↓
\$50,000 or more	23.0 (19.6-26.4)	Reference
Housing status		
BHA resident (2)	10.1 (4.4-15.8)	↓
Renter, with assistance	14.5 (8.4-20.6)	↓
Renter, no assistance	17.3 (13.8-20.9)	↓
Other arrangement	17.9 (9.1-26.6)	↔
Home owner	23.8 (20.4-27.2)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	15.6 (8.7-22.4)	↔
Foreign-born, >10 yrs	15.2 (11.2-19.3)	↓
U.S.-born	20.8 (18.2-23.5)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.20 Adults Who Met CDC Guidelines for Physical Activity by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	13.8 (7.6-20.0)	↓
Black	17.6 (14.8-20.5)	↓
Latino	10.2 (7.4-13.0)	↓
White	24.3 (21.1-27.5)	Reference
Male		
Asian	21.5 (14.5-28.6)	↔
Black	25.6 (20.9-30.3)	↔
Latino	21.1 (15.8-26.4)	↔
White	24.8 (21.5-28.1)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Table 7.21 Adults Who Met CDC Guidelines for Physical Activity by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 7.22 Daily Consumption of One or More Sugar-Sweetened Beverages Among Public High School Students by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	39.6 (36.8-42.4)	N/A
Sex		
Female	34.1 (30.4-37.9)	↓
Male	45.1 (41.0-49.1)	Reference
Race/ethnicity		
Asian	19.8 (12.8-26.8)	↓
Black	38.5 (34.3-42.7)	↔
Latino	45.3 (40.5-50.1)	↔
White	40.0 (32.7-47.3)	Reference
Years in U.S.		
≤6 years in U.S.	38.1 (31.0-45.1)	↔
>6 years in U.S.	36.5 (29.5-43.4)	↔
Always lived in U.S.	40.6 (37.1-44.1)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

7.23 Daily Consumption of One or More Sugar-Sweetened Beverages Among Public High School Students by Sex and Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Female		
Asian	‡	N/A
Black	35.9 (29.8-42.1)	Reference
Latino	37.3 (31.4-43.2)	↔
White	‡	N/A
Male		
Asian	27.1 (16.7-37.5)	↓
Black	41.5 (34.5-48.5)	↔
Latino	53.6 (46.9-60.4)	↔
White	44.6 (34.5-54.7)	Reference

Data values are percent of public high school students.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 7.24 Daily Consumption of One or More Sugar-Sweetened Beverages Among Adults by Year

	2013	2015	Change over time
Boston	19.9 (18.0-21.7)	20.4 (18.2-22.6)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.25 Daily Consumption of One or More Sugar-Sweetened Beverages Among Adults by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	20.4 (18.2-22.6)	N/A
Sex		
Female	17.0 (14.4-19.5)	↓
Male	24.4 (20.7-28.0)	Reference
Race/ethnicity		
Asian	13.3 (6.5-20.1)	↔
Black	29.5 (25.0-34.1)	↑
Latino	29.0 (23.1-35.0)	↑
White	14.5 (11.4-17.5)	Reference
Age		
18-24 years old	22.9 (16.4-29.4)	↔
25-44 years old	20.1 (16.4-23.8)	↔
45-64 years old	20.9 (17.7-24.2)	↔
65+ years old	17.7 (13.4-22.0)	Reference
Educational attainment		
<HS grad	31.8 (24.2-39.4)	↑
HS grad	28.0 (22.7-33.2)	↑
Some college+	15.8 (13.4-18.2)	Reference
Employment status		
Employed	17.9 (15.1-20.6)	Reference
Out of work	36.6 (25.9-47.4)	↑
Other (1)	22.3 (18.5-26.1)	↔
Household income		
Less than \$25,000	30.3 (25.4-35.2)	↑
\$25,000-\$49,999	19.7 (15.0-24.4)	↑
\$50,000 or more	13.1 (10.3-15.9)	Reference
Housing status		
BHA resident (2)	21.2 (14.0-28.5)	↔
Renter, with assistance	31.7 (24.0-39.4)	↑
Renter, no assistance	22.7 (18.8-26.6)	↑
Other arrangement	22.9 (13.1-32.7)	↔
Home owner	14.8 (11.7-17.9)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	25.9 (18.0-33.8)	↔
Foreign-born, >10 yrs	17.9 (13.6-22.2)	↔
U.S.-born	20.1 (17.5-22.7)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.26 Daily Consumption of One or More Sugar-Sweetened Beverages Among Adults by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	13.8 (7.7-20.0)	↔
Black	24.8 (21.3-28.3)	↑
Latino	26.4 (21.7-31.0)	↑
White	9.2 (7.0-11.4)	Reference
Male		
Asian	18.7 (11.4-26.0)	↔
Black	35.4 (30.3-40.5)	↑
Latino	32.5 (26.1-38.8)	↑
White	18.1 (14.9-21.4)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Table 7.27 Daily Consumption of One or More Sugar-Sweetened Beverages Among Adults by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 7.28 Public High School Students Who Smoked Cigarettes by Year

	2007	2009	2011	2013	2015	Change over time
Boston	7.5 (6.1-8.8)	10.3 (6.6-14.0)	10.0 (8.0-12.0)	7.9 (5.8-9.9)	4.8 (3.5-6.1)	↓

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.29 Public High School Students Who Smoked Cigarettes by Selected Indicators, 2011, 2013, and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	7.6 (6.5-8.7)	N/A
Sex		
Female	6.3 (5.0-7.7)	↓
Male	8.9 (7.0-10.7)	Reference
Race/ethnicity		
Asian	3.3 (1.5-5.1)	↓
Black	4.6 (3.3-5.9)	↓
Latino	8.7 (6.8-10.5)	↓
White	17.4 (10.7-24.1)	Reference
Years in U.S.		
≤6 years in U.S.	5.8 (3.4-8.3)	↔
>6 years in U.S.	5.5 (3.2-7.7)	↔
Always lived in U.S.	7.6 (6.2-9.0)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

7.30 Public High School Students Who Smoked Cigarettes by Sex and Race/Ethnicity, 2011, 2013, and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Black	3.5 (1.8-5.1)	↓
Latino	7.8 (5.3-10.4)	↓
White	14.3 (7.7-20.9)	Reference
Male		
Black	5.8 (3.4-8.1)	↓
Latino	9.5 (6.9-12.1)	↓
White	20.4 (9.8-31.0)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator. Data not presented due to insufficient sample size for Asian female and male public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.31 Adults Who Smoked Cigarettes by Year

	2006	2008	2010	2013	2015	Change over time
Boston	18.4 (16.2-20.6)	17.4 (15.1-19.6)	19.1 (16.6-21.5)	18.4 (16.6-20.2)	16.2 (14.1-18.2)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.32 Adults Who Smoked Cigarettes by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	16.2 (14.1-18.2)	N/A
Sex		
Female	12.8 (10.5-15.2)	↓
Male	20.0 (16.4-23.5)	Reference
Race/ethnicity		
Asian	12.6 (5.8-19.4)	↔
Black	19.6 (15.4-23.8)	↔
Latino	12.7 (8.5-16.9)	↔
White	16.1 (12.9-19.3)	Reference
Age		
18-24 years old	13.9 (8.0-19.8)	↔
25-44 years old	16.4 (12.9-20.0)	↔
45-64 years old	19.3 (16.2-22.5)	↑
65+ years old	10.8 (6.5-15.0)	Reference
Educational attainment		
<HS grad	23.1 (16.2-30.0)	↑
HS grad	20.6 (15.6-25.7)	↑
Some college+	13.3 (11.0-15.7)	Reference
Employment status		
Employed	14.0 (11.4-16.7)	Reference
Out of work	27.8 (17.4-38.3)	↑
Other (1)	18.1 (14.5-21.7)	↔
Household income		
Less than \$25,000	24.5 (19.8-29.3)	↑
\$25,000-\$49,999	13.4 (9.4-17.4)	↔
\$50,000 or more	11.6 (8.8-14.4)	Reference
Housing status		
BHA resident (2)	21.8 (13.0-30.6)	↑
Renter, with assistance	30.9 (22.9-39.0)	↑
Renter, no assistance	18.6 (14.8-22.4)	↑
Other arrangement	15.3 (7.0-23.5)	↔
Home owner	8.8 (6.5-11.0)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	13.6 (7.1-20.1)	↔
Foreign-born, >10 yrs	10.4 (6.6-14.3)	↓
U.S.-born	18.5 (15.9-21.1)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.33 Adults Who Smoked Cigarettes by Sex and Race/Ethnicity, 2015

	Percent (95% CI)	Comparison to reference
Female		
Asian	‡	N/A
Black	16.6 (12.0-21.2)	↔
Latino	11.0 (6.5-15.5)	↔
White	13.5 (9.5-17.5)	Reference
Male		
Asian	21.5 (10.0-33.0)	↔
Black	24.0 (16.3-31.8)	↔
Latino	14.9 (7.3-22.6)	↔
White	18.8 (13.7-23.9)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 7.34 Adults Who Smoked Cigarettes by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 7.35 Binge Drinking Among Public High School Students by Year

	2007	2009	2011	2013	2015	Change over time
Boston	18.5 (15.6-21.4)	17.6 (13.8-21.3)	16.6 (13.3-19.9)	14.9 (12.4-17.3)	10.9 (9.1-12.8)	↓

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.36 Binge Drinking Among Public High School Students by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	12.9 (11.4-14.5)	N/A
Sex		
Female	13.3 (11.2-15.4)	↔
Male	12.4 (10.5-14.4)	Reference
Race/ethnicity		
Asian	5.9 (3.3-8.5)	↓
Black	8.3 (6.2-10.3)	↓
Latino	17.2 (14.8-19.7)	↔
White	22.0 (16.2-27.8)	Reference
Years in U.S.		
≤6 years in U.S.	11.9 (8.7-15.2)	↔
>6 years in U.S.	13.9 (9.6-18.2)	↔
Always lived in U.S.	13.0 (11.0-15.0)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 7.37 Binge Drinking Among Public High School Students by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	7.1 (3.2-11.0)	↓
Black	6.0 (3.1-8.9)	↓
Latino	19.2 (15.6-22.8)	↓
White	26.3 (19.5-33.1)	Reference
Male		
Asian	‡	N/A
Black	10.6 (7.9-13.4)	↔
Latino	15.1 (11.4-18.8)	↔
White	18.1 (10.5-25.8)	Reference

Data values are percent of public high school students.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.38 Drinking Among Adults by Year

	2006	2008	2010	2013	2015	Change over time
Boston	22.4 (20.0-24.9)	24.7 (21.9-27.6)	25.5 (22.8-28.3)	25.4 (23.3-27.5)	24.2 (21.7-26.7)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Health-Related Behaviors

7.39 Binge Drinking Among Adults by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	24.2 (21.7-26.7)	N/A
Sex		
Female	20.2 (16.9-23.4)	↓
Male	28.8 (24.9-32.7)	Reference
Race/ethnicity		
Asian	9.0 (4.3-13.7)	↓
Black	18.2 (14.1-22.3)	↓
Latino	18.2 (13.3-23.2)	↓
White	31.8 (27.7-35.9)	Reference
Age		
18-24 years old	27.0 (19.7-34.3)	↑
25-44 years old	33.9 (29.4-38.5)	↑
45-64 years old	15.4 (12.9-17.9)	↑
65+ years old	8.7 (4.7-12.7)	Reference
Educational attainment		
<HS grad	17.7 (11.5-23.9)	↓
HS grad	13.1 (9.1-17.1)	↓
Some college+	28.8 (25.6-32.1)	Reference
Employment status		
Employed	30.1 (26.7-33.5)	Reference
Out of work	21.1 (11.7-30.6)	↔
Other (1)	14.5 (10.9-18.2)	↓
Household income		
Less than \$25,000	21.6 (16.9-26.2)	↓
\$25,000-\$49,999	17.8 (12.5-23.1)	↓
\$50,000 or more	31.3 (27.2-35.3)	Reference
Housing status		
BHA resident (2)	11.7 (5.9-17.6)	↓
Renter, with assistance	16.1 (9.9-22.3)	↔
Renter, no assistance	30.6 (26.1-35.2)	↑
Other arrangement	23.4 (13.4-33.3)	↔
Home owner	22.0 (18.3-25.7)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	18.2 (11.3-25.0)	↓
Foreign-born, >10 yrs	16.1 (11.7-20.5)	↓
U.S.-born	28.2 (25.0-31.4)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.40 Binge Drinking Among Adults by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	7.2 (3.2-11.2)	↓
Black	13.0 (10.1-15.9)	↓
Latino	14.0 (10.3-17.8)	↓
White	27.3 (23.7-31.0)	Reference
Male		
Asian	13.1 (7.5-18.7)	↓
Black	24.6 (19.8-29.5)	↓
Latino	27.7 (21.9-33.4)	↓
White	37.7 (33.7-41.6)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Table 7.41 Binge Drinking Among Adults by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 7.42 Lifetime and Past-30-Day Marijuana Use Among Public High School Students by Year

Marijuana Use	2007	2009	2011	2013	2015	Change over time
Lifetime	35.3 (31.9-38.6)	38.1 (34.2-42.1)	40.3 (36.9-43.6)	42.1 (37.7-46.4)	38.0 (34.9-41.2)	↔
Past 30 Days	17.4 (15.0-19.8)	21.7 (18.6-24.8)	27.0 (24.1-30.0)	25.6 (22.0-29.2)	22.3 (19.5-25.0)	↑

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.43 Age of First-Time Marijuana Use Among Public High School Students, 2015

	Percent (95% CI)
Never used marijuana	62.0 (58.8-65.2)
12 years old and younger	7.0 (5.3-8.7)
13 or 14 years old	15.4 (12.8-17.9)
15 or 16 years old	13.1 (10.8-15.5)
17 years old and older	2.5 (1.4-3.6)

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 7.44 Marijuana Use in the Past 30 Days Among Public High School Students by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	22.3 (19.5-25.1)	N/A
Sex		
Female	21.7 (17.5-26.0)	↔
Male	22.8 (19.1-26.5)	Reference
Race/ethnicity		
Asian	9.9 (5.2-14.7)	↓
Black	21.7 (17.1-26.3)	↔
Latino	26.3 (22.4-30.3)	↔
White	21.9 (14.8-29.0)	Reference
Years in U.S.		
≤6 years in U.S.	10.3 (5.9-14.7)	↓
>6 years in U.S.	19.5 (13.4-25.6)	↔
Always lived in U.S.	25.5 (21.9-29.0)	Reference

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.45 Marijuana Use in the Past 30 Days Among Public High School Students by Sex and Race/Ethnicity, 2011, 2013, and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	9.2 (4.4-13.9)	↓
Black	21.6 (18.1-25.1)	↔
Latino	27.2 (23.2-31.3)	↔
White	21.3 (15.3-27.3)	Reference
Male		
Asian	10.9 (7.4-14.5)	↓
Black	29.4 (25.0-33.7)	↔
Latino	27.7 (23.6-31.7)	↓
White	37.2 (28.2-46.2)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Health-Related Behaviors

Table 7.46 Non-Medical Marijuana¹ Use Among Adults in the Past Year by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	13.8 (11.8-15.9)	N/A
Sex		
Female	9.0 (6.6-11.4)	↓
Male	19.4 (15.9-22.9)	Reference
Race/ethnicity		
Asian	‡	N/A
Black	17.5 (13.1-21.8)	↔
Latino	8.8 (4.7-13.0)	↓
White	16.1 (12.7-19.5)	Reference
Age		
18-24 years old	21.2 (14.5-27.9)	↑
25-44 years old	16.8 (13.2-20.4)	↑
45-64 years old	9.2 (6.7-11.6)	↑
65+ years old	3.3 (2.2-4.4)	Reference
Educational attainment		
<HS grad	14.6 (8.5-20.7)	↔
HS grad	10.2 (6.3-14.2)	↔
Some college+	14.8 (12.2-17.4)	Reference
Employment status		
Employed	15.1 (12.3-17.9)	Reference
Out of work	18.3 (8.7-28.0)	↔
Other (1)	11.3 (8.0-14.6)	↔
Household income		
Less than \$25,000	13.7 (9.9-17.5)	↔
\$25,000-\$49,999	19.6 (13.7-25.4)	↑
\$50,000 or more	12.4 (9.3-15.5)	Reference
Housing status		
BHA resident (2)	18.5 (10.5-26.6)	↑
Renter, with assistance	10.9 (5.1-16.6)	↔
Renter, no assistance	15.7 (12.0-19.4)	↑
Other arrangement	21.0 (11.1-31.0)	↑
Home owner	10.3 (7.4-13.2)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	‡	N/A
Foreign-born, >10 yrs	7.3 (3.9-10.7)	↓
U.S.-born	17.7 (14.9-20.5)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

¹ Includes non-medical use of hashish and products that contain tetrahydrocannabinol (THC), the active ingredient in marijuana

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Health-Related Behaviors

Table 7.47 Non-Medical Marijuana¹ Use Among Adults in the Past Year by Sex and Race/Ethnicity,

	Percent (95% CI)	Comparison to reference
Female		
Black	11.5 (6.9-16.2)	↔
Latino	‡	N/A
White	11.6 (7.2-15.9)	Reference
Male		
Black	26.3 (18.3-34.3)	↔
Latino	16.4 (7.9-24.9)	↔
White	20.7 (15.5-25.9)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

¹ Includes non-medical use of hashish and products that contain tetrahydrocannabinol (THC), the active ingredient in marijuana

NOTE: Comparisons are made within each selected indicator. Data not presented due to insufficient sample size for Asian female and male residents.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Chapter 8: Chronic Disease

Table 8.1 Asthma Among Public High School Students by Year

	2005	2007	2009	2011	2013	Change over time
Boston	23.3 (20.5-26.1)	24.6 (22.1-27.0)	25.5 (22.5-28.5)	29.4 (25.9-32.8)	24.3 (21.1-27.6)	↔

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2005, 2007, 2009, 2011, 2013), Centers for Disease Control and Prevention and Boston Public Schools

Table 8.2 Asthma Among Public High School Students by Selected Indicators, 2013

	Percent (95% CI)	Comparison to Reference
Boston	24.3 (21-27.6)	N/A
Sex		
Female	22.1 (17.5-26.8)	↔
Male	26.6 (22-31.3)	Reference
Race/ethnicity		
Asian	27.0 (18.5-35.6)	↔
Black	23.8 (16.4-31.3)	↔
Latino	27.1 (20.7-33.4)	↔
White	21.2 (13.2-29.3)	Reference
Years in U.S.		
≤6 years	‡	N/A
>6 years	22.4 (15-29.8)	↔
Always lived in U.S.	29.0 (24.6-33.4)	Reference

Data values are percent of public high school students.

‡ Data not presented due to insufficient sample size

DATA SOURCE: Youth Risk Behavior Survey (2013), Centers for Disease Control and Prevention and Boston Public Schools

Chronic Disease

Table 8.3 Asthma Among Public High School Students by Sex and Race/Ethnicity, 2009, 2011, and 2013 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	24.0 (16.6-31.3)	↔
Black	26.3 (21.7-30.8)	↔
Latino	28.9 (24.5-33.3)	↔
White	22.8 (16.5-29.0)	Reference
Male		
Asian	28.2 (20.5-35.9)	↔
Black	27.5 (22.5-32.5)	↔
Latino	25.1 (20.7-29.5)	↔
White	25.1 (17.6-32.7)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2009, 2011, 2013), Centers for Disease Control and Prevention and Boston Public Schools

Table 8.4 Asthma Among Adults by Year

	2006	2008	2010	2013	2015	Change over time
Boston	11.5 (9.8-13.2)	10.7 (9.1-12.4)	11.7 (9.8-13.5)	11.1 (9.7-12.5)	11.9 (10.2-13.5)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Chronic Disease

Table 8.5 Asthma Among Adults by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	11.5 (10.4-12.6)	N/A
Sex		
Female	14.8 (13.2-16.5)	↑
Male	7.7 (6.3-9.1)	Reference
Race/ethnicity		
Asian	4.7 (2.0-7.5)	↓
Black	15 (12.7-17.4)	↑
Latino	13.7 (11.1-16.4)	↑
White	10.4 (8.8-12.1)	Reference
Age		
18-24 years old	13.6 (10-17.2)	Reference
25-44 years old	10.8 (9-12.6)	↔
45-64 years old	11.6 (10-13.1)	↔
65+ years old	11.4 (9.4-13.4)	↔
Educational attainment		
<HS grad	16.5 (12.7-20.2)	↑
HS grad	11.0 (8.7-13.2)	↔
Some college+	10.6 (9.3-12)	Reference
Employment status		
Employed	9.9 (8.6-11.3)	Reference
Out of work	10.4 (7.2-13.6)	↔
Other (1)	14.6 (12.5-16.7)	↑
Household income		
Less than \$25,000	16.2 (13.7-18.7)	↑
\$25,000-\$49,999	11.6 (9.1-14.2)	↔
\$50,000 or more	9.2 (7.7-10.8)	Reference
Housing status		
BHA resident (2)	20.1 (15.1-25)	↑
Renter, with assistance	21.4 (16.8-26.1)	↑
Renter, no assistance	10.4 (8.6-12.2)	↔
Other arrangement	11.8 (6.5-17.1)	↔
Home owner	9.1 (7.6-10.6)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	4.0 (1.9-6.1)	↓
Foreign-born, >10 yrs	9.9 (7.9-11.9)	↓
U.S.-born	13.5 (12.1-15)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Chronic Disease

Table 8.6 Asthma Among Adults by Sex and Race/Ethnicity, 2010, 2013, and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	6.9 (3-10.9)	↓
Black	19.7 (16.7-22.6)	↑
Latino	17.8 (14.3-21.3)	↑
White	13.7 (11.5-15.9)	Reference
Male		
Asian	‡	N/A
Black	7.7 (5.1-10.3)	↔
Latino	7.2 (4.5-9.8)	↔
White	8.0 (6.2-9.8)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2010, 2013, 2015), Boston Public Health Commission

Table 8.7 Asthma Among Adults by Neighborhood, 2010, 2013, and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 8.8 Asthma Emergency Department Visits† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference
Boston	104.7	99.2	104.7	96.6	101.2	↓	N/A
Asian	30.6	28.1	30.7	29.1	26.0	↔	↓
Black	223.2	208.3	219.4	202.3	210.3	↓	↑
Latino	128.6	119.9	127.4	120.4	124.4	↔	↑
White	40.3	40.0	41.1	34.4	41.0	↔	Reference

Data values are ED visits per 10,000 residents.

† Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.9 Asthma Emergency Department Visits by Age and Year

	2011	2012	2013	2014	2015	Change over time
0-2	194.2	179.8	199.8	190.8	183.4	↔
3-5	271.0	264.1	290.0	268.6	319.4	↑
6-17	141.7	148.1	146.4	145.9	157.8	↔
18-44	70.4	63.4	68.7	61.1	59.7	↓
45-64	98.8	93.6	92.7	84.7	88.3	↓
65+	60.6	51.1	58.3	48.6	51.0	↓

Data values are ED visits per 10,000 residents.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.10 Asthma Emergency Department Visits[†] by Sex and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	106.6	97.5	103.8	93.8	96.7	↓	↓
Male	101.4	100.0	104.4	98.4	104.8	↔	Reference

Data values are ED visits per 10,000 residents.

[†] Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.11 Asthma Emergency Department Visits by Age and Sex, 2015

	Rates	Comparison to reference
0-2		
Female	143.8	↓
Male	221.8	Reference
3-5		
Female	233.6	↓
Male	403.8	Reference
6-17		
Female	141.4	↓
Male	173.6	Reference
18-44		
Female	60.3	↔
Male	59.0	Reference
45-64		
Female	101.9	↑
Male	73.7	Reference
65+		
Female	58.2	↑
Male	40.7	Reference

Data values are ED visits per 10,000 residents.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.12 Asthma Emergency Department Visits by Age and Race/Ethnicity, 2015

	Rates	Comparison to Reference
0-2		
Asian	102.5 §	↑
Black	359.2	↑
Latino	226.7	↑
White	41.3	Reference
3-5		
Asian	136.4 §	↔
Black	558.8	↑
Latino	310.4	↑
White	121	Reference
6-17		
Asian	28.9 §	↓
Black	247.8	↑
Latino	151.6	↑
White	69.6	Reference
18-44		
Asian	9.7	↓
Black	193	↑
Latino	85.8	↑
White	21.4	Reference
45-64		
Asian	14.3 §	↓
Black	172.5	↑
Latino	110.7	↑
White	43.1	Reference
65+		
Asian	30.7 §	↔
Black	85	↑
Latino	124.5	↑
White	22.4	Reference

Data values are ED visits per 10,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.13 Asthma Emergency Department Visits[†] by Sex and Race/Ethnicity, 2015

	AAR	Comparison to reference
Female		
Asian	25.2	↓
Black	194.3	↑
Latino	121.2	↑
White	42.9	Reference
Male		
Asian	27.3	↓
Black	227.1	↑
Latino	124.8	↑
White	38.8	Reference

Data values are ED visits per 10,000 residents.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.14 Asthma Emergency Department Visits Among 3- to 5-Year-Olds by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	271.0	264.1	290.0	268.6	319.4	↑	N/A
Asian	127.9 §	148.6 §	132.1 §	124.6 §	136.4 §	↔	↔
Black	468.1	458.0	455.6	442.4	558.8	↔	↑
Latino	287.0	270.7	299.9	271.9	310.4	↔	↑
White	75.7	76.3	93.3	96.5	121.0	↑	Reference

Data values are ED visits per 10,000 residents

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.15 Asthma Emergency Department Visits¹ Among 3- to 5-Year-Olds by Neighborhood, 2012-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Chronic Disease

Table 8.16 Asthma Hospitalizations† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference
Boston	31.1	27.1	25.6	22.3	21.9	↓	N/A
Asian	11.3	14.6	8.9	9.2	9.4	↓	↔
Black	55.0	46.4	46.3	42.1	40.2	↓	↑
Latino	46.4	33.9	34.4	26.6	28.8	↓	↑
White	14.6	12.4	10.5	9.1	9.6	↓	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.17 Asthma Hospitalizations by Age and Year

	2011	2012	2013	2014	2015	Change over time
0-2	89.5	73.0	67.4	45.8	46.1	↓
3-5	78.7	89.0	71.6	69.2	70.2	↔
6-17	40.0	39.0	35.9	35.1	31.1	↓
18-44	9.5	7.7	7.5	7.0	5.2	↓
45-64	34.8	26.8	25.4	21.6	22.4	↓
65+	41.1	31.0	33.8	27.8	32.2	↓

Data values are hospitalizations per 10,000 residents.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.18 Asthma Hospitalization† by Sex and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	31.9	27.7	26.6	23.2	22.8	↓	↔
Male	29.4	26.2	24.1	20.8	20.5	↓	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.19 Asthma Hospitalizations by Age and Sex, 2015

	Rates	Comparison to reference
0-2		
Female	33.5	↓
Male	58.3	Reference
3-5		
Female	60.2	↔
Male	80.1	Reference
6-17		
Female	25.2	↓
Male	36.8	Reference
18-44		
Female	6.2	↑
Male	4.1	Reference
45-64		
Female	30.1	↑
Male	14.2	Reference
65+		
Female	37.6	↑
Male	24.6	Reference

Data values are hospitalizations per 10,000 residents.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.20 Asthma Hospitalizations by Age and Race/Ethnicity, 2012-2015

	Rates	Comparison to reference
0-2		
Asian	45.5	↑
Black	106.1	↑
Latino	58.0	↑
White	18.6	Reference
3-5		
Asian	59.4	↑
Black	131.2	↑
Latino	65.9	↑
White	23.4	Reference
6-17		
Asian	7.7 §	↓
Black	54.2	↑
Latino	33.6	↑
White	10.2	Reference
18-44		
Asian	1.0 §	↓
Black	22.0	↑
Latino	10.6	↑
White	2.1	Reference
45-64		
Asian	5.1	↓
Black	42.7	↑
Latino	26.6	↑
White	15.6	Reference
65+		
Asian	24.9	↔
Black	43.3	↑
Latino	71.3	↑
White	19.1	Reference

Data values are hospitalizations per 10,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.21 Asthma Hospitalizations† by Sex and Race/Ethnicity, 2015

	AAR	Comparison to reference
Female		
Asian	9.9 §	↔
Black	42.5	↑
Latino	29.8	↑
White	10.6	Reference
Male		
Asian	8.9 §	↔
Black	37.0	↑
Latino	26.1	↑
White	8.4	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.22 Asthma Hospitalizations Among 3- to 5-Year-Olds by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time
Boston	78.7	89.0	71.6	69.2	70.2	↔
Asian	‡	111.4 §	‡	‡	‡	N/A
Black	109.8	152.7	112.4	130.6	128.3	↔
Latino	98.0	77.3	64.1	58.1	64.1	↓
White	27.5 §	27.8 §	‡	‡	‡	N/A

Data values are hospitalizations per 10,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

‡ Rates are not presented due to a small number of cases

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.23 Diabetes Among Adults by Year

	2006	2008	2010	2013	2015	Change over time
Boston	7.1 (6.1-8.1)	6.4 (5.4-7.3)	7.2 (6.1-8.3)	8.6 (7.7-9.6)	8.3 (7.2-9.4)	↑

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Chronic Disease

Table 8.24 Diabetes Among Adults by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	8.5 (7.7-9.2)	N/A
Sex		
Female	8.9 (7.9-9.9)	↔
Male	7.9 (6.8-9)	Reference
Race/ethnicity		
Asian	4.2 (1.9-6.5)	↔
Black	14.9 (13-16.9)	↑
Latino	11.2 (9.1-13.3)	↑
White	5.0 (4.2-5.7)	Reference
Age		
18-24 years old	‡	N/A
25-44 years old	2 (1.3-2.6)	Reference
45-64 years old	16.3 (14.5-18.2)	↑
65+ years old	23.9 (21.3-26.5)	↑
Educational attainment		
<HS grad	18.0 (14.6-21.4)	↑
HS grad	11.4 (9.7-13)	↑
Some college+	5.6 (4.9-6.3)	Reference
Employment status		
Employed	4.5 (3.8-5.2)	Reference
Out of work	10.1 (7.2-13)	↑
Other (1)	15.7 (14-17.4)	↑
Household income		
Less than \$25,000	14.4 (12.4-16.3)	↑
\$25,000-\$49,999	9.1 (7.3-10.9)	↑
\$50,000 or more	4.1 (3.5-4.8)	Reference
Housing status		
BHA resident (2)	17.7 (13.4-22.1)	↑
Renter, with assistance	15.6 (12.5-18.7)	↑
Renter, no assistance	6.2 (5.1-7.3)	↓
Other arrangement	5.6 (2.5-8.8)	↔
Home owner	8.4 (7.3-9.5)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	3.2 (1.7-4.7)	↓
Foreign-born, >10 yrs	14.6 (12.2-16.9)	↑
U.S.-born	7.8 (7-8.6)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Chronic Disease

Table 8.25 Diabetes Among Adults by Sex and Race/Ethnicity, 2015

	AAR	Comparison to reference
Female		
Asian	‡	N/A
Black	16.2 (12.7-19.8)	↑
Latino	11.6 (7.3-15.9)	↑
White	5.0 (3.2-6.7)	Reference
Male		
Asian	‡	N/A
Black	15.2 (12.7-19.8)	↑
Latino	7.6 (7.3-15.9)	↔
White	4.7 (3.2-6.7)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size for Asian female and male residents.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 8.26 Table Diabetes Among Adults by Neighborhood, 2010, 2013, and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 8.27 Diabetes Hospitalizations† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference
Boston	21.2	20.1	19.3	20.2	21.1	↔	N/A
Asian	6.2	6.2	6.6	5.4	6.2	↔	↓
Black	40.7	39.0	38.2	41.9	43.4	↔	↑
Latino	30.8	22.8	22.8	22.0	23.7	↓	↑
White	13.1	13.9	12.7	12.9	13.0	↔	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.28 Diabetes Hospitalizations by Selected Indicators, 2015

	Rates	Comparison to reference
Boston†	21.1	NA
Sex†		
Female	18.4	↓
Male	24.1	Reference
Age group¹		
0-17	5.9	↓
18-44	8.7	↓
45-64	35.3	↓
65+	59.3	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

¹ Age-specific rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.29 Diabetes Hospitalizations† by Sex and Race/Ethnicity, 2014-2015

	AAR	Comparison to reference
Female		
Asian	2.9 §	↓
Black	40.6	↑
Latino	13.9	↑
White	10.0	Reference
Male		
Asian	9.2	↓
Black	45.3	↑
Latino	34.6	↑
White	15.9	Reference

Data values are hospitalizations per 10,000 residents.

† 2-year average annual age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.30 Diabetes Hospitalizations† by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 8.31 Diabetes Mortality† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	19.5	19.8	19.4	20.0	20.3	↔	N/A
Asian	‡	‡	15.9 §	‡	‡	N/A	N/A
Black	32.5	39.6	35.5	35.7	34.4	↔	↑
Latino	‡	27.4 §	12.8 §	18.1 §	25.6 §	↑	↔
White	18.1	14.3	14.8	15.2	17.9	↔	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

‡ Rates are not presented due to a small number of cases

NOTE: Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution. Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 8.32 Diabetes Mortality† by Sex and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	16.7	15.6	15.7	17.0	17.4	↔	↔
Male	22.4	26.0	24.8	23.6	24.4	↔	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Chronic Disease

Table 8.33 Diabetes Mortality† by Sex and Race/Ethnicity, 2014-2015

	AAR	Comparison to reference
Female		
Asian	‡	N/A
Black	28.6	↑
Latino	17.5§	N/A
White	14.7	Reference
Male		
Asian	11.1§	↔
Black	46.2	↑
Latino	28.1§	N/A
White	18.4	Reference

Data values are deaths per 100,000 residents.

† 2-year average annual age-adjusted rates

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 8.34 Diabetes Mortality† by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 8.35 Heart Disease Hospitalizations† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	94.0	89.6	82.7	83.3	86.5	↓	N/A
Asian	38.1	36.3	28.2	36.4	36.3	↔	↓
Black	125.2	127.3	112.4	116.3	117.8	↓	↑
Latino	100.3	90.7	83.1	74.8	81.2	↓	↔
White	84.9	81.2	79.2	77.5	81.3	↓	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.36 Heart Disease Hospitalizations by Selected Indicators, 2015

	Rates	Comparison to reference
Boston†	86.5	N/A
Sex†		
Female	74.8	↓
Male	100.9	Reference
Age group¹		
0-17	2.0 §	↓
18-44	10.7	↓
45-64	99.1	↓
65+	467.2	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

¹ Age-specific rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 8.37 Heart Disease Hospitalizations† by Sex and Race/Ethnicity, 2015

	AAR	Comparison to reference
Female		
Asian	36.2	↓
Black	102.0	↑
Latino	68.2	↔
White	68.3	Reference
Male		
Asian	36.5	↓
Black	139.5	↑
Latino	98.7	↑
White	96.2	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Chronic Disease

Table 8.38 Heart Disease Hospitalizations† by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 8.39 Heart Disease Mortality† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	129.2	131.8	133.0	124.6	134.5	↔	N/A
Asian	51.3	45.0	54.1	67.2	72.7	↑	↓
Black	141.8	156.2	126.5	132.0	129.5	↔	↔
Latino	97.8	80.9	88.8	52.2	111.3	↔	↓
White	144.5	145.2	160.8	145.6	153.5	↔	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

NOTE: Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution. Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 8.40 Heart Disease Mortality† by Sex and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	94.3	104.9	106.2	93.2	102.6	↔	↓
Male	178.6	166.9	163.1	166.9	179.9	↔	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates per 100,000 residents

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Chronic Disease

Table 8.41 Heart Disease Mortality† by Sex and Race/Ethnicity, 2015

	AAR	Comparison to reference
Female		
Asian	44.0§	↓
Black	98.4	↔
Latino	85.8	↔
White	115.7	Reference
Male		
Asian	110.7	↓
Black	182.8	↔
Latino	151.7	↓
White	202.9	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 8.42 Heart Disease Mortality† by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 8.43 Hypertension Among Adults by Year

	2006	2008	2010	2013	2015	Change over time
Boston	22.9 (20.9-24.8)	25.0 (22.8-27.2)	24.7 (22.6-26.8)	24.0 (22.3-25.6)	24.9 (23.0-26.9)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Chronic Disease

Table 8.44 Hypertension Among Adults by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	24.9 (23-26.9)	N/A
Sex		
Female	26.4 (23.8-29.1)	↔
Male	23.2 (20.2-26.1)	Reference
Race/ethnicity		
Asian	17.9 (10.5-25.2)	↔
Black	35.6 (31.4-39.7)	↑
Latino	27.0 (22.0-32.0)	↑
White	20.1 (17.6-22.6)	Reference
Age		
18-24 years old	‡	N/A
25-44 years old	11.9 (9.1-14.8)	Reference
45-64 years old	40.5 (36.8-44.1)	↑
65+ years old	62.7 (58-67.4)	↑
Educational attainment		
<HS grad	38.7 (31.5-45.9)	↑
HS grad	29.5 (24.9-34.1)	↑
Some college+	20.4 (18.3-22.5)	Reference
Employment status		
Employed	17.8 (15.5-20.1)	Reference
Out of work	28.3 (19-37.6)	↑
Other (1)	37.3 (33.4-41.2)	↑
Household income		
Less than \$25,000	33.6 (29.2-38)	↑
\$25,000-\$49,999	28.2 (23.1-33.4)	↑
\$50,000 or more	18.2 (15.8-20.5)	Reference
Housing status		
BHA resident (2)	34.0 (25.4-42.7)	↔
Renter, with assistance	38.4 (30.9-45.9)	↑
Renter, no assistance	18.4 (15.4-21.4)	↓
Other arrangement	12.3 (6.7-17.8)	↓
Home owner	29.6 (26.4-32.7)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	12.0 (6.7-17.2)	↓
Foreign-born, >10 yrs	34.7 (29.5-40.0)	↑
U.S.-born	24.7 (22.4-26.9)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Chronic Disease

Table 8.45 Hypertension Among Adults by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	23.0 (15.2-30.8)	↔
Black	34.4 (29.8-39.0)	↑
Latino	23.8 (18.9-28.6)	↔
White	19.9 (17.5-22.3)	Reference
Male		
Asian	10.9 (5.6-16.3)	↓
Black	37.4 (33.9-40.9)	↑
Latino	28.9 (24.5-33.3)	↑
White	18.9 (16.7-21.0)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Table 8.46 Hypertension Among Adults by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 8.47 Obesity Among Public High School Students by Year

	2006	2009	2011	2013	2015	Change over time
Boston	14.5 (12.5-16.5)	15.0 (12.4-17.7)	14.3 (11.7-16.9)	13.8 (11.4-16.2)	14.6 (12.4-16.7)	↔

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Chronic Disease

Table 8.48 Obesity Among Public High School Students by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	14.6 (12.4-16.7)	N/A
Sex		
Female	11.7 (9.2-14.2)	↓
Male	17.2 (14-20.5)	Reference
Race/ethnicity		
Asian	9.6 (5.8-13.4)	↔
Black	17.1 (13.3-20.9)	↑
Latino	15.7 (12.1-19.3)	↔
White	9.7 (5.6-13.8)	Reference
Years in U.S.		
≤6 years	6.8 (3.4-10.2)	↓
>6 years	12.9 (8.4-17.3)	↔
Always lived in U.S.	16.4 (13.6-19.2)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 8.49 Obesity Among Public High School Students by Sex and Race/Ethnicity, 2011, 2013, and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	‡	N/A
Black	13.7 (10.4-17.1)	↔
Latino	15.9 (13-18.7)	↑
White	9.8 (5.6-14)	Reference
Male		
Asian	10.8 (6.5-15.2)	↔
Black	17.1 (13.7-20.5)	↔
Latino	17.7 (14-21.3)	↔
White	11.2 (6.3-16)	Reference

Data values are percent of public high school students.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Chronic Disease

Table 8.50 Obesity Among Adults by Year

	2006	2008	2010	2013	2015	Change over time
Boston	20.6 (18.4-22.7)	23.6 (21.1-26.2)	20.4 (18.1-22.6)	21.7 (20.0-23.4)	21.9 (19.9-24.0)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Chronic Disease

Table 8.51 Obesity Among Adults by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	21.8 (20.5-23.2)	N/A
Sex		
Female	23.8 (21.9-25.6)	↑
Male	19.7 (17.8-21.7)	Reference
Race/ethnicity		
Asian	9.5 (5.8-13.1)	↓
Black	32.0 (29.1-34.9)	↑
Latino	30.2 (26.5-34.0)	↑
White	17.0 (15.1-18.9)	Reference
Age		
18-24 years old	12.6 (9.2-16.1)	Reference
25-44 years old	19.8 (17.5-22.1)	↑
45-64 years old	29.4 (27.1-31.6)	↑
65+ years old	25.5 (22.9-28.0)	↑
Educational attainment		
<HS grad	30.8 (26.1-35.6)	↑
HS grad	28.0 (24.8-31.3)	↑
Some college+	18.3 (16.8-19.8)	Reference
Employment status		
Employed	19.6 (17.9-21.3)	Reference
Out of work	28.9 (23.7-34.2)	↑
Other (1)	24.4 (22.0-26.8)	↑
Household income		
Less than \$25,000	29.8 (26.9-32.8)	↑
\$25,000-\$49,999	21.8 (18.8-24.8)	↑
\$50,000 or more	17.1 (15.3-19.0)	Reference
Housing status		
BHA resident (2)	33.9 (28.0-39.8)	↑
Renter, with assistance	35.4 (30.4-40.4)	↑
Renter, no assistance	18.6 (16.5-20.7)	↔
Other arrangement	21.6 (15.2-28.1)	↔
Home owner	20.5 (18.5-22.5)	Reference
Years in U.S.		
Foreign-born, ≤10 yrs	13.7 (10.2-17.2)	↓
Foreign-born, >10 yrs	25.7 (22.5-28.8)	↔
U.S.-born	22.7 (21.0-24.3)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Chronic Disease

Table 8.52 Obesity Among Adults by Sex and Race/Ethnicity, 2010, 2013, and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	10.0 (4.9-15)	↓
Black	37.2 (34.0-40.5)	↑
Latino	31.8 (27.6-36.1)	↑
White	15.2 (13.2-17.2)	Reference
Male		
Asian	7.4 (3.7-11.0)	↓
Black	25.3 (21.3-29.3)	↑
Latino	27.2 (22.2-32.3)	↑
White	17.8 (15.4-20.2)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2010, 2013, 2015), Boston Public Health Commission

Table 8.53: Obesity by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Chapter 9: Cancer

Table 9.1 Mammogram in the Past 2 Years by Selected Indicators, 2010, 2013, and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	85.2 (83.6-86.8)	N/A
Race/ethnicity		
Asian	69.7 (57.0-82.4)	↓
Black	88.2 (85.6-90.9)	↑
Latino	87.5 (83.7-91.3)	↔
White	84.3 (82.3-86.3)	Reference
Age		
40-49 years old	77.8 (74.4-81.1)	Reference
50-59 years old	89.1 (86.8-91.4)	↑
60-69 years old	88.8 (86.0-91.6)	↑
70-74 years old	90.1 (85.1-95.2)	↑
Educational attainment		
<HS grad	87.6 (83.4-91.9)	↔
HS grad	83.1 (79.0-87.2)	↔
Some college+	85.1 (83.2-87.0)	Reference
Health insurance status		
Health insurance	85.9 (84.3-87.5)	Reference
No health insurance	54.9 (38.4-71.4)	↓
Household income		
Less than \$25,000	85.3 (82.3-88.2)	↔
\$25,000-\$49,999	85.7 (81.8-89.6)	↔
\$50,000 or more	84.9 (82.5-87.4)	Reference

Data values are percent of females ages 40-74.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2010, 2013, 2015), Boston Public Health Commission

Cancer

Table 9.2 Pap Test in the Past 3 Years by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	83.9 (81.9-85.9)	N/A
Race/ethnicity		
Asian	59.3 (49.1-69.4)	↓
Black	82.3 (78.6-86.1)	↓
Latino	86.5 (82.7-90.3)	↔
White	88.8 (86.2-91.4)	Reference
Age		
21-29 years old	72.4 (66.9-77.9)	↓
30-44 years old	94.1 (92.2-95.9)	Reference
45-59 years old	85.0 (82.1-87.8)	↓
60-65 years old	76.4 (71.2-81.7)	↓
Educational attainment		
<HS grad	82.9 (76.7-89.1)	↔
HS grad	79.9 (74.5-85.3)	↔
Some college+	85.0 (82.8-87.3)	Reference
Health insurance status		
Health insurance	84.6 (82.6-86.6)	Reference
No health insurance	66.2 (49.7-82.7)	↓
Household income		
Less than \$25,000	78.7 (74.2-83.1)	↓
\$25,000-\$49,999	85.8 (82.1-89.5)	↔
\$50,000 or more	89.1 (86.5-91.8)	Reference

Data values are percent of females ages 21-65.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Cancer

Table 9.3 Sigmoidoscopy or Colonoscopy in the Past 5 Years by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	63.6 (61.3-65.9)	N/A
Sex		
Female	64.6 (61.7-67.4)	↔
Male	62.5 (58.8-66.2)	Reference
Race/ethnicity		
Asian	49.2 (34.3-64.2)	↓
Black	67.7 (63.2-72.2)	↔
Latino	66.8 (60.5-73.2)	↔
White	64.1 (61.5-66.8)	Reference
Age		
50-59 years old	59.5 (56.0-63.0)	Reference
60-69 years old	68.1 (64.6-71.7)	↑
70-75 years old	67.1 (60.9-73.3)	↑
Educational attainment		
<HS grad	56.7 (49.6-63.8)	↓
HS grad	63.9 (59.0-68.9)	↔
Some college+	65.7 (63.2-68.3)	Reference
Health insurance status		
Health insurance	64.3 (62.0-66.6)	Reference
No health insurance	42.0 (24.5-59.6)	↓
Household income		
Less than \$25,000	59.7 (54.9-64.5)	↓
\$25,000-\$49,999	65.6 (60.2-71.0)	↔
\$50,000 or more	67.6 (64.5-70.8)	Reference

Data values are percent of adults ages 50-75.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Cancer

Table 9.4 Cancer Mortality† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	171.5	187.3	175.7	153.1	162.6	↓	N/A
Asian	119.0	132.4	104.7	122.3	119.9	↔	↓
Black	209.1	209.9	198.3	155.0	188.7	↓	↔
Latino	117.4	135.7	129.9	96.9	110.6	↔	↓
White	180.4	200.7	196.8	173.1	170.5	↔	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

NOTE: Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 9.5 Cancer Mortality† by Sex and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	138.5	160.0	146.9	128.5	139.3	↔	↓
Male	223.1	227.7	216.9	188.6	197.0	↓	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Cancer

Table 9.6 Cancer Mortality† by Sex and Race/Ethnicity, 2015

	Rate	Comparison to reference
Female		
Asian	101.2	↓
Black	159.0	↔
Latino	79.3	↓
White	148.3	Reference
Male		
Asian	145.2	↔
Black	242.1	↔
Latino	157.2	↓
White	200.4	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 9.7 Leading Types of Cancer Mortality† by Year

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 9.8a Leading Types of Cancer Mortality† by Year Asian Residents

Table 9.8b Leading Types of Cancer Mortality† by Year Black Residents

Table 9.8c Leading Types of Cancer Mortality† by Year Latino Residents

Table 9.8d Leading Types of Cancer Mortality† by Year White Residents

The figures associated with these tables contain complete count and rate data in *Health of Boston 2016-2017*. For more information, see these figures as displayed in *Health of Boston 2016-2017*.

Table 9.9a Leading Types of Cancer Mortality† by Year Female Residents

Table 9.9b Leading Types of Cancer Mortality† by Year Male Residents

The figures associated with these tables contain complete count and rate data in *Health of Boston 2016-2017*. For more information, see these figures as displayed in *Health of Boston 2016-2017*.

Cancer

Table 9.10a Leading Types of Cancer Mortality† 2011-2015 Female Residents by Race/Ethnicity

Table 9.10b Leading Types of Cancer Mortality† 2011-2015 Male Residents by Race/Ethnicity

The figures associated with these tables contain complete count and rate data in *Health of Boston 2016-2017*. For more information, see these figures as displayed in *Health of Boston 2016-2017*.

Chapter 10: Infectious Disease

Table 10.1 Hepatitis B Incidence by Year

	2011	2012	2013	2014	2015	Change over time
Boston	59.1	56.9	54.4	54.7	50.2	↓

Data values are new cases per 100,000 residents.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Table 10.2 Hepatitis B Incidence by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	50.2	N/A
Sex		
Female	39.3	↓
Male	61.4	Reference
Race/Ethnicity		
Asian	234.1	↑
Black	59.1	↑
Latino	13.4 §	↔
White	14.1	Reference
Age		
<18 years	‡	N/A
18-29 years	25.7	Reference
30-39 years	98.2	↑
40-49 years	88.3	↑
50-59 years	80.9	↑
60-69 years	54.2	↑
70+ years	53.4	↑

Data values are new cases per 100,000 residents.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Infectious Disease

Table 10.3 Hepatitis B Incidence¹ by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 10.4 Hepatitis C Incidence by Year

	2011	2012	2013	2014	2015	Change over time
Boston	163.4	168.6	151.8	146.0	126.9	↓

Data values are new cases per 100,000 residents.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Tables 10.5 Hepatitis C Incidence by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	126.9	N/A
Sex		
Female	83.8	↓
Male	173.3	Reference
Race/Ethnicity		
Asian	31.3 §	↓
Black	144.5	↔
Latino	96.3	↓
White	129.4	Reference
Age		
<18 years	‡	N/A
18-29 years	74.6	Reference
30-39 years	202.0	↑
40-49 years	168.3	↑
50-59 years	269.6	↑
60-69 years	232.7	↑
70+ years	79.0	↔

Data values are new cases per 100,000 residents.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Infectious Disease

Table 10.6 Hepatitis C Incidence¹ by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 10.7 Influenza Incidence by Annual Season¹

	2013-2014	2014-2015	2015-2016	Change over time
Boston	252.7	367.1	270.3	↔

Data values are new cases per 100,000 residents.

¹ November-April

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Table 10.8 Influenza Incidence by Selected Indicators, 2015-2016 Season¹

	Rate	Comparison to reference
Boston	270.3	N/A
Sex		
Female	299.2	↑
Male	238.8	Reference
Race/Ethnicity		
Asian	117.2	↓
Black	468.1	↑
Latino	268.8	↑
White	170.8	Reference
Age		
<18 years	377.6	↑
18-29 years	148.2	Reference
30-39 years	322.3	↑
40-49 years	300.7	↑
50-59 years	324.0	↑
60-69 years	306.6	↑
70+ years	341.8	↑

Data values are new cases per 100,000 residents.

¹ November 2015 - April 2016

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Infectious Disease

Table 10.9 Influenza Incidence by Neighborhood, 2015-2016 Season¹

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 10.10 Salmonella Incidence by Year

	2011	2012	2013	2014	2015	Change over time
Boston	18.2	16.7	23.0	20.0	22.1	↑

Data values are new cases per 100,000 residents.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Table 10.11 Salmonella Incidence by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	22.1	N/A
Sex		
Female	23.3	↔
Male	20.8	Reference
Race/Ethnicity		
Asian	34.6	↔
Black	16.8	↔
Latino	21.8	↔
White	21.4	Reference
Age		
<18 years	37.9	↑
18-29 years	14.3	Reference
30-39 years	33.5	↑
40-49 years	20.7 §	↔
50-59 years	14.2 §	↔
60-69 years	20.1 §	↔
70+ years	18.6 §	↔

Data values are new cases per 100,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Infectious Disease

Table 10.12 Salmonella Incidence¹ by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 10.13 Tuberculosis Incidence by Year

	2011	2012	2013	2014	2015	Change over time
Boston	7.1	6.6	6.4	7.3	5.8	↔

Data values are new cases per 100,000 residents.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Table 10.14 Tuberculosis Incidence¹ by Selected Indicators, 2014-2015

	Rate	Comparison to reference
Boston	6.6	N/A
Sex		
Female	5.5	↔
Male	7.8	Reference
Race/Ethnicity		
Asian	24.1	↑
Black	9.1	↑
Latino	8.0 §	↑
White	1.6 §	Reference
Age		
<30 years	2.3 §	Reference
30-39 years	10.0 §	↑
40-49 years	5.5 §	↑
50-59 years	12.2 §	↑
60-69 years	8.1 §	↑
70+ years	20.9 §	↑

Data values are new cases per 100,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

¹ 2-year average annual rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Sexual Health

Chapter 11: Sexual Health

Table 11.1 Public High School Students Who Ever Had Sex by Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	56.0 (52.7-59.4)	53.6 (49.4-57.7)	55.5 (50.7-60.2)	46.6 (41.4-51.8)	41.8 (37.7-45.8)	↓	N/A
Asian	29.7 (22.0-37.3)	22.5 (13.9-31.1)	‡	22.0 (12.8-31.2)	22.4 (14.4-30.5)	↔	↔
Black	60.8 (56.2-65.3)	60.8 (55.3-66.4)	56.8 (49.0-64.6)	50.4 (43.3-57.4)	46.9 (40.7-53.0)	↓	↑
Latino	63.1 (57.0-69.2)	55.4 (48.6-62.2)	60.5 (54.8-66.2)	57.4 (50.8-64.0)	47.3 (42.4-52.1)	↓	↑
White	39.0 (30.4-47.5)	43.0 (31.6-54.5)	‡	35.0 (25.4-44.6)	29.7 (20.8-38.6)	↔	Reference

Data values are percent of public high school students.

‡ Data not presented due to insufficient sample size

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 11.2 Condom Use During Last Sex Among High School Students by Year

	2007	2009	2011	2013	2015	Change over time
Boston	70.9 (67.6-74.1)	72.6 (69.2-76.0)	67.8 (62.4-73.2)	66.5 (61.5-71.6)	64.5 (59.7-69.2)	↓

Data values are percent of sexually active public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 11.3 Chlamydia by Year

	2014	2015	Change over time
Boston	647.6	585.3	↓

Data values are new cases per 100,000 residents ages 13 and older.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Sexual Health

Table 11.4 Chlamydia by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	585.3	N/A
Sex		
Female	706.9	↑
Male	446.3	Reference
Race/ethnicity		
Asian	261.0	↔
Black	1116.2	↑
Latino	725.7	↑
White	248.5	Reference
Age		
13-14	233.8	↓
15-19	1229.8	↑
20-24	1246.3	↑
25-29	895.4	↑
30-39	541.4	Reference
40-49	202.8	↓
50+	47.7	↓

Data values are new cases per 100,000 residents ages 13 and older.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Table 11.5 Chlamydia by Sex and Age, 2015

	Rate	Comparison to reference
Female		
13-19	1590.2	↑
20-24	1682.7	↑
25-29	1006.5	↑
30-39	496.3	Reference
40+	65.0	↓
Male		
13-19	507.3	↔
20-24	762.5	↑
25-29	768.1	↑
30-39	584.7	Reference
40+	129.4	↓

Data values are new cases per 100,000 residents ages 13 and older.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Sexual Health

Table 11.6 Chlamydia by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 11.7 Gonorrhea by Year

	2014	2015	Change over time
Boston	165.4	130.2	↓

Data values are new cases per 100,000 residents ages 13 and older.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Table 11.8 Gonorrhea by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	130.2	N/A
Sex		
Female	71.3	↓
Male	194.4	Reference
Race/ethnicity		
Asian	21.5 §	↓
Black	278.4	↑
Latino	109.5	↑
White	70.4	Reference
Age		
13-14	61.0 §	↓
15-19	135.8	↔
20-24	237.5	↑
25-29	188.3	↔
30-39	168.6	Reference
40-49	103.5	↓
50+	31.2	↓

Data values are new cases per 100,000 residents ages 13 and older.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Sexual Health

Table 11.9 Gonorrhea by Sex and Age, 2015

	Rate	Comparison to reference
Female		
13-19	146.8	↑
20-24	161.8	↑
25-29	94.0	↔
30-39	73.7	Reference
40+	6.3 §	↓
Male		
13-19	99.5	↓
20-24	315.7	↔
25-29	287.0	↔
30-39	269.3	Reference
40+	107.5	↓

Data values are new cases per 100,000 residents ages 13 and older.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Infectious Disease Bureau, Boston Public Health Commission

Table 11.10 Gonorrhea by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 11.11 Newly Diagnosed Cases of HIV by Race/Ethnicity and Year of Diagnosis

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	32.5	28.7	28.1	28.9	22.3	↓	N/A
Black	67.5	40.0	43.7	57.6	39.4	↓	↑
Latino	36.3	45.3	44.4	41.0	33.5	↔	↑
White	19.6	21.7	20.0	15.9	13.1	↓	Reference

Data values are newly diagnosed cases per 100,000 residents.

NOTE: Rates are not presented due to a small number of cases for Asian residents. Prisoners were excluded from these data.

DATA SOURCE: HIV/AIDS Surveillance Program, Massachusetts Department of Public Health

Sexual Health

Table 11.12 Newly Diagnosed Cases of HIV by Sex and Year of Diagnosis

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	15.5	9.2	12.2	12.2	12.1	↔	↓
Male	51.1	49.9	45.3	47.1	33.3	↓	Reference

Data values are newly diagnosed cases per 100,000 residents.

NOTE: Prisoners were excluded from these data.

DATA SOURCE: HIV/AIDS Surveillance Program, Massachusetts Department of Public Health

Table 11.13 Newly Diagnosed Cases of HIV by Age at Diagnosis and Year of Diagnosis

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
18-29	28.3	27.9	26.0	27.0	25.2	↔	Reference
30-39	52.6	46.6	39.4	45.3	31.3	↓	↔
40-49	78.5	63.4	49.6	60.7	40.0	↓	↑
50-59	44.2	31.4	51.4	41.9	36.9	↔	↔
60+	7.9 §	12.2 §	14.3 §	10.9 §	5.4 §	↔	↓

Data values are newly diagnosed cases per 100,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Rates are not presented due to a small number of cases for residents ages 0-17. Prisoners were excluded from these data.

DATA SOURCE: HIV/AIDS Surveillance Program, Massachusetts Department of Public Health

Table 11.14 Newly Diagnosed Cases of HIV by Mode of Transmission and Year of Diagnosis

	2011	2012	2013	2014	2015	Change over time
MSM (1)	49.5	55.9	51.7	51.6	45.4	↔
Injection drug use (IDU)	5.9 §	5.6 §	3.4 §	4.4 §	7.8 §	↔
MSM (1) & IDU	4.0 §	5.0 §	‡	‡	‡	N/A
Heterosexual sex	11.9	9.5 §	6.3 §	3.3 §	‡	N/A
Presumed heterosexual sex	9.9 §	7.3 §	15.9	14.8	11.3 §	↔
Unknown	17.8	16.2	21.6	23.6	30.5	↑

Data values are percent of newly diagnosed cases.

‡ Percentages not presented due to a small number of cases

§ Percentages are based on 20 or fewer cases and should be interpreted with caution.

(1) Men who have sex with men

NOTE: Prisoners were excluded from these data.

DATA SOURCE: HIV/AIDS Surveillance Program, Massachusetts Department of Public Health

Sexual Health

Table 11.15 People Living with of HIV/AIDS by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	865.5	879.3	893.8	909.5	915.4	↑	N/A
Black	1568.3	1585.2	1613.1	1655.6	1672.4	↑	↑
Latino	879.2	899.5	916.4	936.0	944.0	↔	↑
White	731.6	746.0	759.7	767.6	771.2	↑	Reference

Data values are cases per 100,000 residents.

NOTE: Rates are not presented due to a small number of cases for Asian residents. Prisoners were excluded from these data.

DATA SOURCE: HIV/AIDS Surveillance Program, Massachusetts Department of Public Health

Table 11.16 People Living with HIV/AIDS by Sex and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Female	397.7	398.3	404.4	409.5	414.5	↔	↓
Male	1374.3	1402.8	1426.9	1454.5	1461.9	↑	Reference

Data values are cases per 100,000 residents.

NOTE: Prisoners were excluded from these data.

DATA SOURCE: HIV/AIDS Surveillance Program, Massachusetts Department of Public Health

Table 11.17 People Living with HIV/AIDS by Age at Diagnosis and Year of Diagnosis

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
0-17	9.8 §	10.9 §	11.0 §	12.1 §	12.3 §	↔	↓
18-29	56.6	68.7	83.3	101.3	118.3	↑	Reference
30-39	457.4	516.1	566.1	616.9	660.8	↑	↑
40-49	1472.1	1517.1	1562.0	1610.9	1638.9	↑	↑
50-59	3298.7	3261.2	3230.7	3202.5	3163.9	↔	↑
60+	1787.3	1756.2	1732.1	1704.0	1645.9	↓	↑

Data values are cases per 100,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Prisoners were excluded from these data.

DATA SOURCE: HIV/AIDS Surveillance Program, Massachusetts Department of Public Health

Chapter 12: Injury and Exposure to Violence

Table 12.1 Adults Who Thought Their Neighborhood Was Not Safe¹, 2015

	Percent (95% CI)	Comparison to reference
Boston	56.3 (53.6-59.0)	N/A
Sex		
Female	57.5 (54.0-61.0)	↔
Male	54.8 (50.6-59.0)	Reference
Race/ethnicity		
Asian	36.6 (27.3-46.0)	↓
Black	69.7 (65.3-74.2)	↑
Latino	69.4 (63.6-75.2)	↑
White	50.5 (46.4-54.7)	Reference
Age		
18-24 years old	58.7 (50.8-66.7)	↑
25-44 years old	60.9 (56.2-65.5)	↑
45-64 years old	55.7 (51.9-59.4)	↑
65+ years old	38.6 (34.3-43.0)	Reference

Data values are percent of adults.

¹ Adults reported that they considered their neighborhood "somewhat safe" or "not safe"

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Injury and Exposure to Violence

Table 12.2 Adults Who Experienced Physical or Sexual Violence in Their Lifetime by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	11.4 (10.3-12.5)	N/A
Sex		
Female	15.3 (13.7-16.9)	↑
Male	7.1 (5.7-8.5)	Reference
Race/ethnicity		
Asian	3.2 (1.3-5.1)	↓
Black	12.3 (10.3-14.4)	↔
Latino	12.5 (9.9-15.1)	↔
White	12.0 (10.3-13.7)	Reference
Age		
18-24 years old	8.6 (5.7-11.6)	↔
25-44 years old	11.8 (9.9-13.7)	↔
45-64 years old	13.2 (11.7-14.7)	↑
65+ years old	9.9 (7.8-12.0)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Table 12.3 Adults Who Experienced Physical or Sexual Violence in the Past 12 Months by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	2.1 (1.6-2.7)	N/A
Sex		
Female	2.4 (1.6-3.3)	↔
Male	1.8 (1.0-2.7)	Reference
Race/ethnicity		
Asian	‡	N/A
Black	2.2 (1.0-3.3)	↔
Latino	2.8 (1.4-4.2)	↔
White	2.2 (1.2-3.1)	Reference
Age		
18-24 years old	3.7 (1.7-5.7)	↑
25-44 years old	2.7 (1.7-3.8)	↑
45-64 years old	1.1 (0.5-1.7)	Reference
65+ years old	‡	N/A

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

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Table 12.4 Adults Who Were Sexually Assaulted in Their Lifetime by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	7.1 (5.8-8.3)	N/A
Sex		
Female	10.8 (8.7-13.0)	↑
Male	2.7 (1.4-4.0)	Reference
Race/ethnicity		
Asian	‡	N/A
Black	9.1 (6.3-11.9)	↔
Latino	3.5 (1.8-5.2)	↓
White	7.7 (5.6-9.8)	Reference
Age		
18-24 years old	‡	N/A
25-44 years old	6.7 (4.4-9.0)	↑
45-64 years old	9.1 (7.3-10.9)	↑
65+ years old	4.2 (2.9-5.5)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Table 12.5 Bullied at School or Electronically in the Past 12 Months by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	15.1 (13.3-17.0)	N/A
Sex		
Female	18.0 (15.1-20.9)	↑
Male	12.1 (9.9-14.4)	Reference
Race/ethnicity		
Asian	9.4 (5.7-13.1)	↓
Black	13.6 (9.9-17.2)	↔
Latino	17.2 (13.8-20.6)	↔
White	16.5 (11.0-22.0)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey, 2015, Centers for Disease Control and Prevention

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Table 12.6 Injury-Related Emergency Department Visits† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	10,750.3	10,405.5	10,357.3	10,535.5	10,304.7	10,206.9	10,506.2	10,360.0	10,177.0	10,162.5	↓

Data values are ED discharges per 100,000 residents.

† Age-adjusted rates per 100,000 residents

NOTE: For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.7 Injury-Related Emergency Department Visits by Selected Indicators, 2015

	Rate	Comparison to reference
Boston†	10,162.5	N/A
Sex†		
Female	8,921.7	↓
Male	11,437.3	Reference
Race/ethnicity†		
Asian	3,865.5	↓
Black	15,965.6	↑
Latino	10,085.9	↑
White	8,806.5	Reference
Age¹		
<1 year old	7,083.6	↓
1-4 years old	12,614.8	Reference
5-14 years old	12,476.8	↔
15-24 years old	7,477.6	↓
25-64 years old	10,366.5	↓
65+ years old	8,387.8	↓

Data values are ED discharges per 100,000 residents.

† Age-adjusted rates

¹ Age-specific rates

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.8 Selected Injury Emergency Department Visits† by Race/Ethnicity, 2013-2015

	Rate	Comparison to reference
Traumatic brain injury (any intent)		
Boston	970.2	N/A
Asian	471.2	↓
Black	1,201.3	↑
Latino	832.6	↓
White	1,048.0	Reference
Poisoning overdose (any intent)		
Boston	298.9	N/A
Asian	85.3	↓
Black	359.3	↑
Latino	263.4	↓
White	320.1	Reference
Firearm injury (any intent)		
Boston	11.7	N/A
Asian	‡	N/A
Black	47.5	↑
Latino	9.0	↑
White	2.2	Reference
Accidental falls		
Boston	2,583.5	N/A
Asian	1,167.1	↓
Black	3,135.3	↑
Latino	2,416.7	↓
White	2,762.6	Reference
Motor vehicle crashes		
Boston	1,295.3	N/A
Asian	380.9	↓
Black	3,265.7	↑
Latino	1,387.5	↑
White	534.8	Reference
Self-inflicted injury		
Boston	73.2	N/A
Asian	20.1	↓
Black	98.7	↑
Latino	77.9	↔
White	75.4	Reference

Data values are ED discharges per 100,000 residents.

† 3-year average annual age-adjusted rates

‡ Rates not presented due to a small number of cases

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.9 Selected Injury Emergency Department Visits† by Sex, 2014-2015

	Rate	Comparison to reference
Traumatic brain injury (any intent)		
Boston	952.0	N/A
Female	798.4	↓
Male	1,108.1	Reference
Poisoning overdose (any intent)		
Boston	302.5	N/A
Female	240.9	↓
Male	367.6	Reference
Firearm injury (any intent)		
Boston	11.8	N/A
Female	2.0	↓
Male	23.1	Reference
Accidental falls		
Boston	2,607.0	N/A
Female	2,527.4	↓
Male	2,664.1	Reference
Motor vehicle crashes		
Boston	1,305.2	N/A
Female	1,257.6	↓
Male	1,360.5	Reference
Self-inflicted injury		
Boston	76.3	N/A
Female	79.0	↔
Male	73.8	Reference

Data values are ED discharges per 100,000 residents.

† 2-year average annual age-adjusted rates

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.10 Selected Injury Emergency Department Visits¹ by Age, 2011-2015

	Rate	Comparison to reference
Traumatic brain injury (any intent)		
Boston	956.5	N/A
0-14	1,405.3	Reference
15-24	684.8	↓
25-64	798.1	↓
65+	1,241.8	↓
Poisoning overdose (any intent)		
Boston	303.9	N/A
0-14	323.6	↓
15-24	251.1	↓
25-64	350.6	Reference
65+	133.3	↓
Firearm injury (any intent)		
Boston	11.7	N/A
0-14	‡	N/A
15-24	31.9	Reference
25-64	13.0	↓
65+	9.0	↓
Accidental falls		
Boston	2,635.1	N/A
0-14	3,576.9	↓
15-24	1,201.1	↓
25-64	2,193.9	↓
65+	4,271.0	Reference
Motor vehicle crashes		
Boston	1,287.4	N/A
0-14	739.2	↓
15-24	1,321.5	↓
25-64	1,638.1	Reference
65+	620.4	↓
Self-inflicted injury		
Boston	69.7	N/A
0-14	41.6	↓
15-24	124.6	Reference
25-64	81.1	↓
65+	6.4 §	↓

Data values are ED discharges per 100,000 residents.

‡ Rates not presented due to a small number of cases

§ Rates based on 20 or fewer cases should be interpreted with caution.

¹ 5-year average annual rates

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.11 Injury-Related Emergency Department Visits[†] by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.12 Injury Related Hospitalizations[†] by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	661.6	703.9	683.9	652.0	673.0	665.3	621.5	530.9	514.8	533.8	↓

Data values are hospitalizations per 100,000 residents.

[†] Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.13 Injury-Related Hospitalizations by Selected Indicators, 2015

	Rate	Comparison to reference
Boston [†]	533.8	N/A
Sex[†]		
Female	449.4	↓
Male	608.8	Reference
Race/ethnicity[†]		
Asian	266.9	↓
Black	576.9	↔
Latino	420.6	↓
White	592.3	Reference
Age¹		
<1 year old	191.8 §	↓
1-4 years old	151.1	↓
5-14 years old	155.4	↓
15-24 years old	218.7	↓
25-64 years old	471.0	↓
65+ years old	1,756.9	Reference

Data values are hospitalizations per 100,000 residents.

[†] Age-adjusted rates

¹ Age-specific rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.14 Selected Injury Hospitalizations† by Race/Ethnicity, 2011-2015

	Rate	Comparison to reference
Traumatic brain injury (any intent)		
Boston	12.3	N/A
Asian	3.8 §	↓
Black	18.9	↑
Latino	10.2	↔
White	12.2	Reference
Poisoning overdose (any intent)		
Boston	118.6	N/A
Asian	25.4	↓
Black	143.6	↔
Latino	99.6	↓
White	133.5	Reference
Firearm injury (any intent)		
Boston	12.7	N/A
Asian	‡	N/A
Black	50.4	↑
Latino	12.6	↑
White	1.4	Reference
Accidental falls		
Boston	255.4	N/A
Asian	159.9	↓
Black	172.3	↓
Latino	177.3	↓
White	327.3	Reference
Motor vehicle crashes		
Boston	46.9	N/A
Asian	28.8	↔
Black	71.8	↑
Latino	43.9	↑
White	36.3	Reference
Self-inflicted injury		
Boston	56.5	N/A
Asian	14.3	↓
Black	63.0	↔
Latino	46.1	↓
White	67.5	Reference

Data values are hospitalizations per 100,000 residents.

† 5-year average annual age-adjusted rates

‡ Rates not presented due to a small number of cases

§ Rates based on 20 or fewer cases should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.15 Selected Injury Hospitalizations† by Sex, 2014-2015

	Rate	Comparison to reference
Traumatic brain injury (any intent)		
Boston	10.1	N/A
Female	7.2	↓
Male	13.0	Reference
Poisoning overdose (any intent)		
Boston	103.8	N/A
Female	85.6	↓
Male	123.5	Reference
Firearm injury (any intent)		
Boston	11.3	N/A
Female	2.1 §	↓
Male	21.2	Reference
Accidental falls		
Boston	235.3	N/A
Female	238.1	↑
Male	220.4	Reference
Motor vehicle crashes		
Boston	43.0	N/A
Female	31.8	↓
Male	55.0	Reference
Self-inflicted injury		
Boston	51.2	N/A
Female	48.4	↔
Male	54.3	Reference

Data values are hospitalizations per 100,000 residents.

† 2-year average annual age-adjusted rates

§ Rates based on 20 or fewer cases should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.16 Selected Injury Hospitalizations¹ by Age, 2011-2015

	Rate	Comparison to reference
Traumatic brain injury (any intent)		
Boston	12.3	N/A
0-14	11.2	↔
15-24	8.5	↓
25-64	11.6	↔
65+	15.7	Reference
Poisoning overdose (any intent)		
Boston	118.6	N/A
0-14	25.4	↓
15-24	62.1	↓
25-64	162.6	Reference
65+	116.0	↓
Firearm injury (any intent)		
Boston	12.7	N/A
0-14	‡	N/A
15-24	40.0	Reference
25-64	15.0	↓
65+	‡	N/A
Accidental falls		
Boston	255.4	N/A
0-14	55.7	↓
15-24	27.9	↓
25-64	144.4	↓
65+	1,322.6	Reference
Motor vehicle crashes		
Boston	46.9	N/A
0-14	21.3	↓
15-24	36.6	↓
25-64	53.5	↓
65+	69.2	Reference
Self-inflicted injury		
Boston	56.5	N/A
0-14	6.8	↓
15-24	47.9	↓
25-64	83.4	Reference
65+	20.8	↓

Data values are hospitalizations per 100,000 residents.

¹ 5-year average annual rates

‡ Rates not presented due to a small number of cases

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.17 Injury-Related Hospitalizations by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.18 Injury-Related Mortality† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	53.4	51.4	44.5	47.0	45.3	46.3	45.2	45.8	48.7	52.9	↔

Data values are deaths per 100,000 residents.

† Age-adjusted rates

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 12.19 Injury-Related Mortality by Selected Indicators, 2014-2015

	Rate	Comparison to reference
Boston	50.8	N/A
Sex†		
Female	28.3	↓
Male	76.6	Reference
Race/ethnicity†		
Asian	18.7	↓
Black	57.4	↔
Latino	36.7	↓
White	62.3	Reference
Age¹		
<14 years old	4.4 §	↓
15-24 years old	21.8	↓
25-64 years old	61.6	↓
65+ years old	107.7	Reference

Data values are deaths per 100,000 residents.

† 2-year average annual age-adjusted rates

¹ 2-year average annual rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

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Table 12.20 Injury-Related Mortality By Neighborhood, 2013-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.21 Leading Causes of Injury Mortality† By Year

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.22 Leading Causes of Injury Mortality† by Race/Ethnicity, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.23 Leading Causes of Injury Mortality† by Sex, 2014-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.24 Leading Causes of Injury Mortality¹ by Age, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.25 Unintentional Injury-Related Emergency Department Visits† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	9,748.8	9,432.5	9,345.4	9,495.3	9,281.3	9,216.0	9,392.8	8,969.9	8,871.3	8,835.2	↓

Data values are ED discharges per 100,000 residents.

† Age-adjusted rates

NOTE: For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.26 Unintentional Injury-Related Emergency Department Visits by Selected Indicators, 2015

	Rate	Comparison to reference
Boston†	8,835.2	N/A
Sex†		
Female	7,879.7	↓
Male	9,814.3	Reference
Race/ethnicity†		
Asian	3,545.7	↓
Black	13,892.7	↑
Latino	8,664.0	↑
White	7,715.3	Reference
Age¹		
<1 year old	5,905.3	↓
1-4 years old	10,101.4	Reference
5-14 years old	9,677.1	↔
15-24 years old	6,275.6	↓
25-64 years old	9,277.3	↓
65+ years old	8,203.1	↓

Data values are ED discharges per 100,000 residents.

† Age-adjusted rates

¹ Age-specific rates

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.27 Unintentional Injury-Related Emergency Department Visits by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.28 Unintentional Injury-Related Hospitalizations† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	523.8	531.8	508.4	483.1	507.4	501.2	466.6	399.2	380.6	397.9	↓

Data values are hospitalizations per 100,000 residents.

† Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.29 Unintentional Injury-Related Hospitalizations by Selected Indicators, 2014- 2015

	Rate	Comparison to reference
Boston†	389.3	N/A
Sex†		
Female	348.4	↓
Male	420.8	Reference
Race/ethnicity†		
Asian	227.0	↓
Black	354.5	↓
Latino	282.8	↓
White	463.3	Reference
Age¹		
<1 year old	144.1	↓
1-4 years old	91.5	↓
5-14 years old	70.4	↓
15-24 years old	90.4	↓
25-64 years old	305.4	↓
65+ years old	1,593.8	Reference

Data values are hospitalizations per 100,000 residents.

† 2-year average annual age-adjusted rates

¹ 2-year average annual age-specific rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.30 Unintentional Injury-Related Hospitalizations by Neighborhood per 100,000 Residents, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.31 Unintentional Injury-Related Mortality† by Year

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

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Table 12.32 Unintentional Injury-Related Mortality by Selected Indicators, 2013-2015

	Rate	Comparison to reference
Boston†	37.5	N/A
Sex†		
Female	24.1	↓
Male	52.8	Reference
Race/ethnicity†		
Asian	16.2	↓
Black	34.0	↓
Latino	26.3	↓
White	48.2	Reference
Age¹		
<14 years old	2.5 §	↓
15-24 years old	6.3	↓
25-64 years old	43.9	↓
65+ years old	93.1	Reference

Data values are deaths per 100,000 residents.

† 3-year average annual age-adjusted rates

¹ 3-year average annual rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 12.33 Unintentional Injury-Related Mortality† by Neighborhood, 2012-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.34 Fall-Related Emergency Department Visits Among Residents Ages 65+ by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	3,917.8	3,882.5	3,802.0	3,893.0	4,074.4	3,944.6	4,017.9	4,303.3	4,483.9	4,600.1	↑

Data values are ED discharges per 100,000 residents 65 and older.

NOTE: For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.35 Fall-Related Emergency Department Visits Among Residents Ages 65+ by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	4,600.1	N/A
Sex		
Female	5,087.1	↑
Male	3,913.0	Reference
Race/ethnicity		
Asian	2,657.9	↓
Black	3,797.9	↓
Latino	3,721.5	↓
White	5,548.1	Reference
Age		
65-74 years old	3,831.5	↓
75-84 years old	4,526.2	↓
85+ years old	7,488.3	Reference

Data values are ED discharges per 100,000 residents ages 65 and older.

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.36 Fall-related Injury Emergency Department Visits Among Residents Ages 65+

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.37 Fall-Related Injury Hospitalizations Among Residents Ages 65+ by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	1,632.7	1,588.7	1,575.5	1,428.1	1,507.3	1,427.7	1,343.6	1,293.4	1,214.5	1,334.8	↓

Data values are hospitalizations per 100,000 residents ages 65 and older.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.38 Fall-Related Injury Hospitalizations Among Residents Ages 65+ by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	1,334.8	N/A
Sex		
Female	1,597.7	↑
Male	963.8	Reference
Race/ethnicity		
Asian	1,060.1	↓
Black	608.2	↓
Latino	630.3	↓
White	1,902.0	Reference
Age		
65-74 years old	669.7	↓
75-84 years old	1,442.2	↓
85+ years old	3,480.5	Reference

Data value hospitalizations per 100,000 residents ages 65 and older.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.39 Fall-Related Injury Hospitalizations Among Residents Ages 65+ by Neighborhood 2014-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.40 Fall-Related Injury Mortality Among Residents Ages 65+ by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	43.6	42.0	41.9	41.8	41.8	49.7	71.9	57.3	50.8	58.5	↑

Data values are deaths per 100,000 residents ages 65 and older.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

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Table 12.41 Fall-Related Injury Mortality¹ Among Residents Ages 65+ by Selected Indicators, 2011-2015

	Rate	Comparison to reference
Boston	57.6	N/A
Sex		
Female	57.3	↔
Male	58.1	Reference
Race/ethnicity		
Asian	55.4 §	↔
Black	28.5	↓
Latino	19.5 §	↓
White	81.0	Reference
Age		
65-74 years old	15.5	↓
75-84 years old	59.2	↓
85+ years old	205.7	Reference

Data values are deaths per 100,000 residents ages 65 and older.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

¹ 5-year average annual rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 12.42 Intentional Injury-Related Emergency Department Visits[†] by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	757.9	715.5	720.8	697.6	702.9	639.3	723.0	683.7	703.7	687.1	↓

Data values are ED discharges per 100,000 residents.

[†] Age-adjusted rates

NOTE: For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 12.43 Intentional Injury-Related Emergency Department Visits by Selected Indicators, 2014-2015

	Rate	Comparison to reference
Boston†	695.3	N/A
Sex†		
Female	544.7	↓
Male	857.4	Reference
Race/ethnicity†		
Asian	166.8	↓
Black	1,458.8	↑
Latino	655.1	↑
White	471.4	Reference
Age¹		
<1 year old	96.1 §	↓
1-4 years old	89.5	↓
5-14 years old	534.9	↓
15-24 years old	828.9	↓
25-64 years old	910.6	Reference
65+ years old	133.2	↓

Data values are ED discharges per 100,000 residents.

† 2-year average annual age-adjusted rates

¹ 2-year average annual rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.44 Intentional Injury-Related Emergency Department Visits by Neighborhood per 100,000 Residents, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Injury and Exposure to Violence

Table 12.45 Intentional Injury-Related Hospitalizations† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	113.0	146.0	149.6	141.7	135.2	133.6	111.9	96.1	97.0	91.8	↓

Data values are hospitalizations per 100,000 residents.

† Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.46 Intentional Injury-Related Hospitalizations by Selected Indicators, 2012-2015

	Rate	Comparison to reference
Boston†	99.2	N/A
Sex†		
Female	64.0	↓
Male	136.8	Reference
Race/ethnicity†		
Asian	18.6	↓
Black	174.7	↑
Latino	93.8	↔
White	86.8	Reference
Age¹		
<1 year old	‡	↓
1-4 years old	10.9 §	↓
5-14 years old	20.5	↓
15-24 years old	113.9	↓
25-64 years old	141.3	Reference
65+ years old	32.0	↓

Data values are hospitalizations per 100,000 residents.

† 4-year average annual age-adjusted rates

¹ 4-year average annual rates

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Injury and Exposure to Violence

Table 12.47 Intentional Injury-Related Hospitalizations† by Neighborhood, 2014-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.48 Intentional Injury-Related Mortality† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	12.8	13.5	13.7	12.5	17.2	14.9	12.0	9.7	11.9	10.3	↓

Data values are deaths per 100,000 residents.

† Age-adjusted rates

NOTE: For more information on suicide, see Chapter 13: Mental Health.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 12.49 Figure 12.49 Intentional Injury-Related Mortality by Selected Indicators, 2012-2015

	Rate	Comparison to reference
Boston†	11.0	N/A
Sex†		
Female	3.9	↓
Male	18.6	Reference
Race/ethnicity†		
Asian	5.7 §	↔
Black	21.3	↑
Latino	11.7	↔
White	8.6	Reference
Age¹		
<14 years old	1.5 §	↓
15-24 years old	16.9	Reference
25-64 years old	14.5	↔
65+ years old	7.9 §	↓

Data values are deaths per 100,00 residents.

† 4-year average annual age-adjusted rates

¹ 4-year average annual rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator. Does not include Emergency Department visits resulting in hospitalization. For more information on suicide, see Chapter 13: Mental Health.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Injury and Exposure to Violence

Table 12.50 Assault-Related Emergency Department Discharges[†] by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	691.6	650.5	650.8	623.2	630.8	574.3	658.8	616.9	630.6	607.6	↓

Data values are ED discharges per 100,000 residents.

[†] Age-adjusted rates

NOTE: For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.51 Assault-Related Injury Emergency Department Visits by Selected Indicators, 2014-2015

	Rate	Comparison to reference
Boston [†]	619.0	N/A
Sex[†]		
Female	465.7	↓
Male	783.6	Reference
Race/ethnicity[†]		
Asian	145.4	↓
Black	1,360.2	↑
Latino	570.6	↑
White	393.1	Reference
Age¹		
<1 year old	96.1 §	↓
1-4 years old	89.5	↓
5-14 years old	464.5	↓
15-24 years old	709.4	↓
25-64 years old	817.0	Reference
65+ years old	123.6	↓

Data values are ED discharges per 100,000 residents.

[†] 2-year average annual age-adjusted rates

¹ 2-year average annual rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator. For injuries, emergency department visits include discharges from the emergency department but exclude care resulting in hospitalizations.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Injury and Exposure to Violence

Table 12.52 Assault-Related Emergency Department Visits† by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.53 Assault-Related Injury Hospitalizations† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	64.5	81.6	75.5	67.7	65.2	66.2	49.7	45.4	43.4	43.1	↓

Data values are hospitalizations per 100,000 residents.

† Age-adjusted rates per 100,000 residents

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 12.54 Assault-Related Injury Hospitalizations by Selected Indicators, 2012-2015

	Rate	Comparison to reference
Boston†	45.4	N/A
Sex†		
Female	13.2	↓
Male	79.6	Reference
Race/ethnicity†		
Asian	5.8	↓
Black	114.7	↑
Latino	49.8	↑
White	22.3	Reference
Age¹		
<1 year old	‡	N/A
1-4 years old	10.9 §	↓
5-14 years old	7.7 §	↓
15-24 years old	66.5	Reference
25-64 years old	62.2	↔
65+ years old	11.2	↓

Data values are hospitalizations per 100,000 residents.

† 4-year average annual age-adjusted rates

¹ 4-year average annual rates

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Injury and Exposure to Violence

Table 12.55 Assault-Related Injury Hospitalizations† by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 12.56 Homicide† by Year

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change over time
Boston	7.7	8.2	8.3	5.7	9.4	6.9	6.6	4.1	7.2	4.3	↓

Data values are deaths per 100,000 residents.

† Age-adjusted rates per 100,000 residents

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 12.57 Homicide by Selected Indicators, 2011-2015

	Rate	Comparison to reference
Boston†	5.8	N/A
Sex†		
Female	1.7	↓
Male	10.3	Reference
Race/ethnicity†		
Asian	‡	N/A
Black	18.7	↑
Latino	8.3	↑
White	1.4 §	Reference
Age¹		
<14 years old	‡	N/A
15-24 years old	14.9	Reference
25-64 years old	6.5	↓
65+ years old	3.8 §	↓

Data values are deaths per 100,000 residents.

† 5-year average annual age-adjusted rates

¹ 5-year average annual rates

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Injury and Exposure to Violence

Table 12.58 Homicides by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Chapter 13: Mental Health

Table 13.1 Persistent Sadness Among Public High School Students by Year

	2007	2009	2011	2013	2015	Change over time
Boston	26.2 (23.6-28.8)	28.8 (26.1-31.5)	24.8 (20.6-28.9)	30.1 (26.5-33.8)	26.7 (24.6-28.7)	↔

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2007, 2009, 2011, 2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 13.2 Persistent Sadness Among Public High School Students by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	28.5 (26.3-30.6)	N/A
Sex		
Female	34.9 (32.4-37.4)	↑
Male	21.9 (19.2-24.7)	Reference
Race/ethnicity		
Asian	20.9 (15.7-26.1)	↔
Black	28.2 (24.7-31.8)	↔
Latino	30.7 (27.4-34.0)	↔
White	27.3 (21.7-32.9)	Reference
Sexual orientation		
Heterosexual	25.3 (23.1-27.4)	Reference
LGB (1)	52.2 (44.4-60.0)	↑
Not sure	37.9 (27.0-48.8)	↑
Years in U.S.		
≤6 years	38.2 (31.3-45.1)	↑
>6 years	26.3 (21.4-31.2)	↔
Always lived in U.S.	26.5 (24.1-28.8)	Reference

Data values are percent of public high school students.

(1) Includes lesbian, gay, and bisexual

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Mental Health

Table 13.3 Persistent Sadness Among Public High School Students by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	26.1 (17.7-34.6)	↔
Black	32.7 (28.3-37.2)	↔
Latino	40.0 (35.7-44.4)	↔
White	34.5 (27.9-41.2)	Reference
Male		
Asian	15.6 (10.6-20.6)	↔
Black	24.0 (18.9-29.1)	↔
Latino	21.2 (17.2-25.2)	↔
White	20.3 (13.0-27.6)	Reference

Data values are percent of public high school students.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Youth Risk Behavior Survey (2013, 2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 13.4 Persistent Sadness Among Adults by Year

	2006	2008	2010	2013	2015	Change over time
Boston	11.1 (9.4-12.8)	10.8 (9.0-12.5)	10.6 (8.9-12.4)	12.2 (10.7-13.7)	11.8 (10.2-13.5)	↔

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Mental Health

Table 13.5 Persistent Sadness Among Adults by Selected Indicators, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Boston	12.0 (10.9-13.1)	
Sex		
Female	13.8 (12.3-15.3)	↑
Male	10.0 (8.4-11.7)	Reference
Race/ethnicity		
Asian	9.3 (5.6-12.9)	↔
Black	14.1 (11.8-16.5)	↑
Latino	18.2 (15.1-21.3)	↑
White	9.2 (7.7-10.7)	Reference
Age		
18-24 years old	10.8 (7.6-14)	↔
25-44 years old	10.6 (8.8-12.3)	↔
45-64 years old	15.3 (13.3-17.3)	↑
65+ years old	10.7 (8.8-12.7)	Reference
Educational attainment		
<HS grad	21.6 (17.3-25.9)	↑
HS grad	14.6 (11.9-17.2)	↑
Some college+	9.3 (8.1-10.5)	Reference
Employment status		
Employed	7.9 (6.7-9.1)	Reference
Out of Work	24.9 (19.5-30.2)	↑
Other (1)	16.7 (14.4-18.9)	↑
Household income		
Less than \$25,000	21.1 (18.5-23.8)	↑
\$25,000-\$49,999	10.5 (8.0-13.0)	↑
\$50,000 or more	5.4 (4.2-6.5)	Reference
Housing status		
BHA resident (2)	20.7 (15.8-25.6)	↑
Renter, with assistance	25.7 (20.8-30.6)	↑
Renter, no assistance	12.5 (10.5-14.5)	↑
Other arrangement	12.2 (7.6-16.8)	↑
Home owner	5.7 (4.8-6.7)	Reference
Sexual orientation		
Heterosexual	11.5 (10.3-12.6)	Reference
LGB (3)	16.7 (12-21.5)	↑
Years in U.S.		
≤10 years	8.3 (5.5-11.1)	↓
>10 years	12.4 (9.8-14.9)	↔
Always lived in U.S.	12.5 (11.1-13.9)	Reference

Data values are percent of adults.

(1) Includes homemakers, students, retirees, and those unable to work

(2) Boston Housing Authority resident

(3) Includes lesbian, gay, bisexual, and other

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

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Table 13.6 Persistent Sadness Among Adults by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	10.4 (5.4-15.5)	↔
Black	16.3 (13.3-19.3)	↑
Latino	23.3 (18.9-27.7)	↑
White	9.5 (7.5-11.5)	Reference
Male		
Asian	‡	N/A
Black	11.1 (7.3-14.9)	↔
Latino	12.0 (8.1-16.0)	↔
White	8.9 (6.6-11.2)	Reference

Data values are percent of adults.

‡ Data not presented due to insufficient sample size

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Table 13.7 Persistent Sadness Among Adults by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 13.8 Persistent Anxiety Among Adults by Year

	2006	2008	2010	2013	2015	Change over time
Boston	17.8 (15.7-19.8)	18.0 (15.8-20.1)	16.3 (14.3-18.4)	20.2 (18.3-22.1)	21.9 (19.6-24.1)	↑

Data values are percent of adults.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2006, 2008, 2010, 2013, 2015), Boston Public Health Commission

Mental Health

Table 13.9 Persistent Anxiety Among Adults by Selected Indicators, 2015

	Percent (95% CI)	Comparison to reference
Boston	21.9 (19.6-24.1)	N/A
Sex		
Female	23.4 (20.4-26.4)	↔
Male	20.1 (16.7-23.5)	Reference
Race/ethnicity		
Asian	14.5 (7.5-21.4)	↔
Black	21.0 (16.8-25.1)	↔
Latino	27.2 (21.8-32.6)	↔
White	22.1 (18.5-25.6)	Reference
Age		
18-24 years old	20.9 (14.6-27.2)	↑
25-44 years old	24.3 (20.2-28.4)	↑
45-64 years old	22.5 (19.2-25.7)	↑
65+ years old	14.4 (11.5-17.4)	Reference
Educational attainment		
<HS grad	23.9 (17.1-30.7)	↔
HS grad	22.0 (17.1-26.8)	↔
Some college+	21.4 (18.6-24.2)	Reference
Employment status		
Employed	20.5 (17.5-23.4)	Reference
Out of Work	36.9 (26.4-47.4)	↑
Other (1)	21.3 (17.6-24.9)	↔
Household income		
Less than \$25,000	26.7 (22.1-31.3)	↑
\$25,000-\$49,999	21.4 (16-26.7)	↔
\$50,000 or more	17.8 (14.6-21.1)	Reference
Housing status		
BHA resident (2)	20.8 (13.4-28.2)	↔
Renter, with assistance	31.7 (23.9-39.5)	↑
Renter, no assistance	24.1 (20-28.3)	↑
Other arrangement	19.0 (10.9-27)	↔
Home owner	17.3 (14.3-20.3)	Reference
Sexual orientation		
Heterosexual	21.4 (19-23.8)	Reference
LGB (3)	27.3 (19.5-35.2)	↔
Years in U.S.		
≤10 years	21.9 (14.6-29.2)	↔
>10 years	18.0 (13.8-22.2)	↔
Always lived in U.S.	23.0 (20.1-25.8)	Reference

Data values are percent of adults.

- (1) Includes homemakers, students, retirees, and those unable to work
- (2) Boston Housing Authority resident
- (3) Includes lesbian, gay, bisexual, and other

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2015), Boston Public Health Commission

Mental Health

Table 13.10 Persistent Anxiety Among Adults by Sex and Race/Ethnicity, 2013 and 2015 Combined

	Percent (95% CI)	Comparison to reference
Female		
Asian	13.4 (7.6-19.3)	↓
Black	21.8 (18.5-25.1)	↔
Latino	27.5 (22.8-32.2)	↔
White	23.8 (20.6-27.1)	Reference
Male		
Asian	11.9 (5.5-18.4)	↓
Black	17.7 (13.3-22.1)	↔
Latino	17.1 (12.1-22.1)	↔
White	21.3 (17.9-24.7)	Reference

Data values are percent of adults.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston Behavioral Risk Factor Survey (2013, 2015), Boston Public Health Commission

Table 13.11 Persistent Anxiety Among Adults by Neighborhood, 2013 and 2015 Combined

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 13.12 Mental Health Hospitalizations† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference
Boston	80.4	82.3	79.9	78.9	77.1	↓	N/A
Asian	21.4	16.7	21.2	20.4	19.9	↔	↓
Black	83.7	83.5	80.8	82.8	79.4	↔	↓
Latino	51.0	53.1	55.9	51.7	49.8	↔	↓
White	94.9	99.1	98.1	96.6	97.8	↔	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

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Table 13.13 Mental Health Hospitalizations by Selected Indicators, 2015

	AAR	Comparison to reference
Boston†	77.1	N/A
Sex†		
Female	57.6	↓
Male	97.6	Reference
Age¹		
0-17	35.2	↓
18-29	43.3	↓
30-44	97.3	↑
45-64	131.7	↑
65+	78.2	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

¹ Age-specific rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 13.14 Mental Health Hospitalizations† by Sex and Race/Ethnicity, 2015

	AAR	Comparison to reference
Female		
Asian	24.8	↓
Black	60.9	↓
Latino	35.9	↓
White	71.8	Reference
Male		
Asian	14.1	↓
Black	102.9	↓
Latino	65.4	↓
White	120.9	Reference

Data values are hospitalizations per 10,000 residents.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Mental Health

Table 13.15 Mental Health Hospitalizations† by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 13.16 Suicide† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference
Boston	7.9	5.4	5.5	4.7	6.0	↔	N/A
Black	7.1 §	3.1 §	‡	3.7 §	8.8 §	↔	↔
Latino	‡	‡	3.3 §	5.3 §	‡	↔	N/A
White	11.3	7.6	8.4	5.6 ‡	7.3	↔	Reference

Data values are hospitalizations per 100,000 residents.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

‡ Rates are not presented due to a small number of cases

NOTE: Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 13.17 Suicide† by Sex and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference
Female	4.0 §	2.7 §	2.3	‡	3.1 §	↔	↓
Male	12.3	8.5	8.8	8.4	9.1	↔	Reference

Data values are hospitalizations per 100,000 residents.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

‡ Rates are not presented due to a small number of cases

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 13.18 Suicide† by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Substance Use Disorders

Chapter 14: Substance Use Disorders

Table 14.1 Lifetime Drug Use Among Public High School Students by Type, 2015

	Percent (95% CI)
Alcohol	54.6 (50.7-58.5)
Marijuana	38.0 (34.8-41.2)
Synthetic marijuana	6.0 (4.5-7.6)
Heroin	1.8 (1.0-2.6)
Meth	2.4 (1.4-3.3)
Rx drugs	7.9 (6.3-9.5)

Data values are percent of public high school students.

DATA SOURCE: Youth Risk Behavior Survey (2015), Centers for Disease Control and Prevention and Boston Public Schools

Table 14.2 Substance Misuse Treatment Admissions† by Year

	2012	2013	2014	2015	2016	Change over time
All admissions	297.8	295.7	299.7	254.6	264.1	↓
Unique persons	145.2	143.4	139.5	120.3	126.3	↓

Data values are admissions per 10,000 residents ages 12 and older.

† Age-adjusted rates

DATA SOURCE: Bureau of Substance Abuse Services, Massachusetts Department of Public Health (data as of December 2016)

Table 14.3 Unique-Person Treatment Admissions† by Race/Ethnicity and Year

	2012	2013	2014	2015	2016	Change over time	Comparison to reference (2016)
Asian	12.3	11.8	14.6	11.0	13.0	↔	↓
Black	155.4	145.0	134.6	120.2	132.9	↓	↓
Latino	135.4	133.7	126.3	116.7	123.7	↓	↓
White	166.1	167.9	170.3	144.1	145.3	↓	Reference

Data values are admissions per 10,000 residents ages 12 and older.

† Age-adjusted rates

DATA SOURCE: Bureau of Substance Abuse Services, Massachusetts Department of Public Health (data as of December 2016)

Substance Use Disorders

Table 14.4 Unique-Person Treatment Admissions[†] by Drug¹ and Year

	2012	2013	2014	2015	2016	Change over time
Alcohol	92.6	86.7	85.1	70.9	71.3	↓
Cocaine	52.3	49.9	48.2	36.2	40.1	↓
Heroin	67.9	71.9	71.6	63.4	69.2	↔
Marijuana	29.6	27.9	27.8	23.0	26.0	↓
Rx drugs	34.4	33.2	32.7	27.2	26.0	↓

Data values are admissions per 10,000 residents ages 12 and older.

† Age-adjusted rates

¹ Self-identified as primary, secondary, or tertiary drug of misuse

DATA SOURCE: Bureau of Substance Abuse Services, Massachusetts Department of Public Health (data as of December 2016)

Substance Use Disorders

Table 14.5 Unique-Person Treatment Admissions[†] by Drug¹ and Race/Ethnicity, 2016

	Rate	Comparison to reference
Alcohol		
Asian	5.9	↓
Black	93.9	↑
Latino	62.9	↓
White	77.0	Reference
Cocaine		
Asian	2.8 §	↓
Black	45.7	↔
Latino	41.9	↔
White	43.0	Reference
Heroin		
Asian	6.6	↓
Black	42.3	↓
Latino	73.6	↓
White	91.0	Reference
Marijuana		
Asian	2.0 §	↓
Black	43.9	↑
Latino	29.7	↑
White	22.0	Reference
Rx drugs		
Asian	‡	N/A
Black	12.0	↓
Latino	13.6	↓
White	43.6	Reference

Data values are admissions per 10,000 residents ages 12 and older.

† Age-adjusted rates

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution

¹ Self-identified as primary, secondary, or tertiary drug of misuse

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Bureau of Substance Abuse Services, Massachusetts Department of Public Health (data as of December 2016)

Substance Use Disorders

Table 14.6 Unique-Person Treatment Admissions[†] by Drug¹ and Sex, 2016

	Rate	Comparison to reference
Alcohol		
Female	33.8	↓
Male	110.8	Reference
Cocaine		
Female	23.4	↓
Male	57.5	Reference
Heroin		
Female	35.2	↓
Male	104.8	Reference
Marijuana		
Female	11.2	↓
Male	41.6	Reference
Rx drugs		
Female	14.2	↓
Male	38.3	Reference

Data values are admissions per 10,000 residents ages 12 and older.

† Age-adjusted rates

¹ Self-identified as primary, secondary, or tertiary drug of misuse

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Bureau of Substance Abuse Services, Massachusetts Department of Public Health (data as of December 2016)

Table 14.7 Substance Misuse Hospital Patient Encounters[†] by Type (Overall, Alcohol, Drug) and Year

	2011	2012	2013	2014	2015	Change over time
Overall	457.8	471.8	505.3	502.4	510.4	↑
Alcohol	329.7	335.1	347.8	343.3	335.5	↑
Drug	173.3	183.1	210.5	205.6	216.5	↑

Data values are hospital patient encounters per 10,000 residents ages 12 and older.

† Age-adjusted rates

NOTE: Hospital patient encounters include in-patient hospital and emergency department discharges but exclude observational stay discharges.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Substance Use Disorders

Table 14.8 Unintentional Overdose/Poisoning Hospital Patient Encounters† by Type (Overall, Alcohol, Drug) and Year

	2011	2012	2013	2014	2015	Change over time
Overall	20.3	24.9	21.8	19.0	26.6	↑
Alcohol	4.0	6.9	3.4	1.9	1.7	↓
Drug	16.7	18.7	19.2	17.6	25.5	↑

Data values are hospital patient encounters per 10,000 residents ages 12 and older.

† Age-adjusted rates

NOTE: Hospital patient encounters include in-patient hospital and emergency department discharges but exclude observational stay discharges.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 14.9 Unintentional Overdose/Poisoning Hospital Patient Encounters† by Drug and Year

	2011	2012	2013	2014	2015	Change over time
Opioids (including heroin)	8.6	10.6	11.8	11.5	18.1	↑
Cocaine	2.3	2.4	2.1	1.6	2.1	↓
Benzodiazepines	3.4	3.6	3.0	3.3	3.1	↔

Data values hospital patient encounters per 10,000 residents ages 12 and older.

† Age-adjusted rates

NOTE: Hospital patient encounters include in-patient hospital and emergency department discharges but exclude observational stay discharges.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Substance Use Disorders

Table 14.10 Unintentional Overdose/Poisoning Hospital Patient Encounters† by Drug and Race/Ethnicity, 2015

	Rate	Comparison to reference
Opioids (including heroin)		
Black	11.6	↓
Latino	13.4	↓
White	26.1	Reference
Cocaine		
Black	3.8	↑
Latino	2.1	↔
White	1.5	Reference
Benzodiazepines		
Black	1.7 §	↓
Latino	1.4 §	↓
White	5.1	Reference

Data values are hospital patient encounters per 10,000 residents ages 12 and older.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution

NOTE: Comparisons are made within each selected indicator. Rates not presented due to a small number of cases for Asian residents. Hospital patient encounters include in-patient hospital and emergency department discharges but exclude observational stay discharges.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Table 14.11 Unintentional Overdose/Poisoning Hospital Patient Encounters† by Drug and Sex, 2015

	Rate	Comparison to reference
Opioids (including heroin)		
Female	9.9	↓
Male	26.6	Reference
Cocaine		
Female	0.9	↓
Male	3.3	Reference
Benzodiazepines		
Female	2.3	↓
Male	4.0	Reference

Data values are hospital patient encounters per 10,000 residents ages 12 and older.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator. Hospital patient encounters include in-patient hospital and emergency department discharges but exclude observational stay discharges.

DATA SOURCE: Acute hospital case-mix databases, Massachusetts Center for Health Information and Analysis

Substance Use Disorders

Table 14.12 Substance Misuse Mortality† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	27.4	25.4	34.6	35.6	39.8	↑	N/A
Black	16.9	18.8	37.9	26.9	32.7	↑	↓
Latino	15.6 §	24.0 §	22.9 §	30.4	29.1	↑	↓
White	43.8	34.1	44.7	49.7	55.8	↑	Reference

Data values are deaths per 100,000 residents ages 12 and older.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution

NOTE: Rates not presented due to a small number of cases for Asian residents. Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution. Unintentional overdose death totals for 2015 are likely an undercount due to deaths awaiting causal determinations. For more information see “Cause of Death Undercount” in the Technical Notes.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data will be updated as more information becomes available.

Table 14.13 Substance Misuse Mortality† by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 14.14 Substance Misuse Mortality† by Type (Overall, Alcohol, Drug) and Year

	2011	2012	2013	2014	2015	Change over time
Overall	27.4	25.4	34.6	35.6	39.8	↑
Alcohol	11.8	14.4	18.9	17.3	18.4	↑
Drug	19.4	17.6	23.8	24.9	31.3	↑

Data values are deaths per 100,000 residents ages 12 and older.

† Age-adjusted rates

NOTE: Unintentional overdose death totals for 2015 are likely an undercount due to deaths awaiting causal determinations. For more information see “Cause of Death Undercount” in the Technical Notes.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data will be updated as more information becomes available.

Substance Use Disorders

Table 14.15 Substance Misuse Mortality Excluding Fentanyl† by Type (Overall, Alcohol, Drug) and Year

	2011	2012	2013	2014	2015	Change over time
Overall (excl. fentanyl)	26.3	25.2	32.9	27.4	23.6	↔
Alcohol (excl. fentanyl)	11.3	14.4	18.5	15.4	14.2	↔
Drug (excl. fentanyl)	18.3	17.4	22.2	16.6	15.1	↔

Data values are deaths per 100,000 residents ages 12 and older.

† Age-adjusted rates

¹ Fentanyl identified by ICD-10 code T40.4. See Fentanyl Identification in Death Data in the Technical Notes for complete methodological description.

NOTE: Unintentional overdose death totals for 2015 are likely an undercount due to deaths awaiting causal determinations. For more information see “Cause of Death Undercount” in the Technical Notes.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data will be updated as more information becomes available.

Table 14.16 Unintentional Drug Overdose Mortality† by Drug and Year

	2011	2012	2013	2014	2015	Change over time
All drugs	13.9	14.3	19.9	22.2	27.5	↑
Opioids (including heroin)	11.6	13.0	16.4	20.1	25.8	↑
Cocaine	5.3	5.0	6.9	7.7	11.4	↑

Deaths per 100,000 residents ages 12 and older.

† Age-adjusted rates

NOTE: Unintentional overdose includes overdose with undetermined intent. Unintentional overdose death totals for 2015 are likely an undercount due to deaths awaiting causal determinations. For more information see “Cause of Death Undercount” in the Technical Notes.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data will be updated as more information becomes available.

Substance Use Disorders

Table 14.17 Unintentional Overdose Mortality[†] Due to Fentanyl¹ and Other Drugs by Year

	2011	2012	2013	2014	2015	Change over time
Fentanyl (alone or in combination)	1.1 §	‡	1.7 §	8.2	16.2	↑
Other opioids including heroin (excl. fentanyl)	10.6	12.8	14.7	11.9	9.6	↔
Cocaine (excl. fentanyl)	5.3	4.8	6.4	5.3	5.9	↔

Data values are deaths per 100,000 residents ages 12 and older.

[†] Age-adjusted rates

¹ Fentanyl identified by ICD-10 code T40.4. See Fentanyl Identification in Death Data in the Technical Notes for complete methodological description.

‡ Rates not presented due to a small number of cases

§ Rates are based on 20 or fewer cases and should be interpreted with caution

NOTE: Unintentional overdose includes overdose with undetermined intent. Unintentional overdose death totals for 2015 are likely an undercount due to deaths awaiting causal determinations. For more information see “Cause of Death Undercount” in the Technical Notes.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data will be updated as more information becomes available.

Table 14.18 Unintentional Drug Overdose Mortality Associated with Fentanyl Use, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Substance Use Disorders

Table 14.19 Unintentional Drug Overdose Mortality† by Drug and Race/Ethnicity, 2015

	Rate	Comparison to reference
All drugs		
Black	24.2	↓
Latino	20.0 §	↓
White	38.7	Reference
Opioids (including heroin)		
Black	20.5	↓
Latino	21.2 §	↓
White	36.4	Reference
Cocaine		
Black	13.3 §	↔
Latino	9.3 §	↔
White	13.4	Reference

Data values are deaths per 100,000 residents ages 12 and older.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution

NOTE: Comparisons are made within each selected indicator. Rates not presented due to a small number of cases for Asian residents. Unintentional overdose includes overdose with undetermined intent. Unintentional overdose death totals for 2015 are likely an undercount due to deaths awaiting causal determinations. For more information see “Cause of Death Undercount” in the Technical Notes.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data will be updated as more information becomes available.

Substance Use Disorders

Table 14.20 Unintentional Drug Overdose Mortality† by Drug and Sex, 2015

	Rate	Comparison to reference
All drugs		
Female	16.9	↓
Male	38.8	Reference
Opioids (including heroin)		
Female	15.2	↓
Male	37.2	Reference
Cocaine		
Female	6.4 §	↓
Male	16.6	Reference

Data values are deaths per 100,000 residents ages 12 and older.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution

NOTE: Comparisons are made within each selected indicator. Unintentional overdose includes overdose with undetermined intent. Unintentional overdose death totals for 2015 are likely an undercount due to deaths awaiting causal determinations. For more information see “Cause of Death Undercount” in the Technical Notes.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data will be updated as more information becomes available.

Table 14.21 Unintentional Opioid Overdose Mortality† by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Death

Chapter 15: Death

Table 15.1 Life Expectancy at Birth by Selected Indicators, 2015

	Years
Boston	80.0
Sex	
Female	82.8
Male	77.0
Race/ethnicity	
Asian	86.9
Black	77.6
Latino	83.3
White	79.5

Data values are years.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 15.2 Life Expectancy from Age 0 by Neighborhood, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.3 Premature Mortality† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	204.4	205.3	197.6	194.7	201.8	↔	N/A
Asian	90.9	79.0	87.9	92.9	81.1	↔	↓
Black	292.7	281.5	272.3	260.7	267.5	↔	↑
Latino	139.8	176.0	157.5	151.4	172.8	↔	↓
White	217.6	211.6	205.6	199.9	204.1	↔	Reference

Data values are deaths per 100,000 residents under age 65.

† Age-adjusted rates

NOTE: Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Death

Table 15.4 Premature Mortality† by Selected Indicators, 2015

	Rate	Comparison to reference
Boston	201.8	N/A
Sex		
Female	149.3	↓
Male	259.0	Reference
Race/ethnicity		
Asian	81.1	↓
Black	267.5	↑
Latino	172.8	↓
White	204.1	Reference

Data values are deaths per 100,000 residents under age 65.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 15.5 Premature Mortality† by Sex and Race/Ethnicity, 2015

	Rate	Comparison to reference
Female		
Asian	60.9 §	↓
Black	200.5	↑
Latino	117.0	↔
White	147.9	Reference
Male		
Asian	105.2	↓
Black	350.2	↑
Latino	235.5	↔
White	257.0	Reference

Data values are deaths per 100,000 residents under age 65.

† Age-adjusted rates

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Death

Table 15.6 Top 5 Leading Causes of Premature Mortality† by Year

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.7a Top 5 Leading Causes of Premature Mortality† by Year, Female Residents

Table 15.7b Top 5 Leading Causes of Premature Mortality† by Year, Male Residents

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.8 Top 5 Leading Causes of Premature Mortality† by Race/Ethnicity, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.9a Top 5 Leading Causes of Premature Mortality†, 2011-2015, Female Residents by Race/Ethnicity

Table 15.9b Top 5 Leading Causes of Premature Mortality†, 2011-2015, Male Residents by Race/Ethnicity

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.10 Premature Mortality† by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.11 All-Cause Mortality† by Race/Ethnicity and Year

	2011	2012	2013	2014	2015	Change over time	Comparison to reference (2015)
Boston	668.0	690.3	691.0	652.6	690.8	↔	N/A
Asian	412.7	382.8	373.7	365.7	413.9	↔	↓
Black	754.8	774.4	743.7	701.0	771.7	↔	↔
Latino	431.2	505.7	503.6	421.3	532.2	↔	↓
White	737.4	752.0	774.5	734.1	747.2	↔	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

NOTE: Beginning in October 2014, the method for collecting race/ethnicity for mortality data changed. Interpret trends with caution.

DATA SOURCE Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Death

Table 15.12 All-Cause Mortality by Selected Indicators, 2015

	Rate	Comparison to reference
Boston†	690.8	N/A
Sex†		
Female	565.3	↓
Male	859.2	Reference
Race/ethnicity†		
Asian	413.9	↓
Black	771.7	↔
Latino	532.2	↓
White	747.2	Reference
Age¹		
<1 year old	571.0	↓
1-17 years old	24.4	↓
18-24 years old	33.2	↓
25-44 years old	106.4	↓
45-64 years old	588.4	↓
65+ years old	4,273.6	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

¹ Age-specific rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Table 15.13 All-Cause Mortality† by Sex and Race/Ethnicity, 2015

	Rate	Comparison to reference
Female		
Asian	348.6	↓
Black	618.8	↔
Latino	369.4	↓
White	620.1	Reference
Male		
Asian	497.2	↓
Black	1,019.5	↑
Latino	771.5	↓
White	899.8	Reference

Data values are deaths per 100,000 residents.

† Age-adjusted rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Death

Table 15.14 All-Cause Mortality¹ by Age and Race/Ethnicity, 2011-2015

	Rate	Comparison to reference
<1 year old		
Asian	352.1 §	↔
Black	1,131.9	↑
Latino	583.3	↑
White	382.4	Reference
1-17 years old		
Asian	18.4 §	↔
Black	21.2	↔
Latino	23.1	↑
White	11.2 §	Reference
18-24 years old		
Asian	17.2 §	↔
Black	117.2	↑
Latino	56.2	↑
White	11.1	Reference
25-44 years old		
Asian	33.0	↓
Black	195.3	↑
Latino	100.9	↔
White	88.0	Reference
45-64 years old		
Asian	262.4	↓
Black	690.7	↔
Latino	393.2	↓
White	661.6	Reference
65+ years old		
Asian	2,464.7	↓
Black	3,777.6	↓
Latino	2,334.9	↓
White	5,139.6	Reference

Data values are deaths per 100,000 residents.

§ Rates are based on 20 or fewer cases and should be interpreted with caution.

¹ 5-year average annual age-specific rates

NOTE: Comparisons are made within each selected indicator.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health (data as of December 2016). Data may be updated as more information becomes available.

Death

Table 15.5 All-Cause Mortality† by Neighborhood, 2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.16 Top 5 Leading Causes of Mortality† by Year

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.17a Top 5 Leading Causes of Mortality† by Year, Female Residents

Table 15.17b Top 5 Leading Causes of Mortality† by Year, Male Residents

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.18 Top 5 Leading Causes of Mortality† by Race/Ethnicity, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.

Table 15.19 Top 5 Leading Causes of Mortality¹ by Age, 2011-2015

The figure associated with this table contains complete count and rate data in *Health of Boston 2016-2017*. For more information, see this figure as displayed in *Health of Boston 2016-2017*.