Population by Age Group: Boston and East Boston, 2000

Boston

- 0-17 years: 24%
- 18-24 years: 11%
- 25-44 years: 36%
- 45-64 years: 17%
- 65+ years: 12%

East Boston

- 0-17 years: 20%
- 18-24 years: 16%
- 25-44 years: 36%
- 45-64 years: 18%
- 65+ years: 10%

DATA ANALYSIS: Boston Public Health Commission Research Office
Youth and Young Adult Population by Age, East Boston, 2000

Ages 10-14: 18%
Ages 15-17: 10%
Ages 18-24: 32%
Ages 0-4: 21%
Ages 5-9: 20%
Ages 10-14: 18%

DATA ANALYSIS: Boston Public Health Commission Research Office
Youth and Young Adult Population by Gender, East Boston, 2000

<table>
<thead>
<tr>
<th>Ages 15-17</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ages 15-17</td>
<td>54%</td>
<td>46%</td>
</tr>
<tr>
<td>Ages 18-24</td>
<td>56%</td>
<td>44%</td>
</tr>
</tbody>
</table>

DATA ANALYSIS: Boston Public Health Commission Research Office
Racial and Ethnic Makeup: Boston and East Boston, 2000

Boston
- White: 49%
- Black: 24%
- Latino: 14%
- Asian: 8%
- Other Race: 2%
- 2 or More Races: 3%

East Boston
- White: 50%
- Latino: 39%
- Asian: 4%
- Black: 3%
- Other Race: 1%
- 2 or More Races: 3%

NOTE: Percentages may not add to 100% due to the multiple race category.
DATA ANALYSIS: Boston Public Health Commission Research Office
Female-Headed Households* with Own Children Under Age 18, East Boston, 2000

- BOSTON: 10%
- East Boston: 9%

*No husband present
DATA ANALYSIS: Boston Public Health Commission Research Office
## Selected Socioeconomic Indicators
### Boston and East Boston, 2000

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Boston</th>
<th>East Boston</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of Population with Less Than High School (Adults Ages 25 and Over)</td>
<td>21%</td>
<td>40%</td>
</tr>
<tr>
<td>% Population Below Poverty Level</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>% of Children (Under 18) Below Poverty Level*</td>
<td>26%</td>
<td>25%</td>
</tr>
<tr>
<td>% of Adults 65 and Older Below Poverty Level*</td>
<td>18%</td>
<td>20%</td>
</tr>
<tr>
<td>Median Household Income in 1999*</td>
<td>$39,629</td>
<td>$31,301</td>
</tr>
</tbody>
</table>

*Based on 1999 income

DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000, Summary File-Sample Data

DATA ANALYSIS: Boston Public Health Commission Research Office
EDUCATION
## Students Most at Risk of Dropping Out of School

<table>
<thead>
<tr>
<th>Segments</th>
<th>% of Class of 2004 Dropouts</th>
<th>4- Year Graduation Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students with One or More 8th Grade “Risk Factors”</td>
<td>26%</td>
<td>34%</td>
</tr>
<tr>
<td>Students with Multiple 9th Grade Core Course Failures</td>
<td>18%</td>
<td>31%</td>
</tr>
<tr>
<td>Substantially Separate Special Education Students</td>
<td>17%</td>
<td>24%</td>
</tr>
<tr>
<td>Late Entrant English Language Learner (ELL) Students</td>
<td>13%</td>
<td>36%</td>
</tr>
</tbody>
</table>

**DATA SOURCE:** BOSTON PUBLIC SCHOOLS Memorandum – “Graduation for All” – Update - September 25, 2007

**GRAPHIC:** Boston Public Health Commission Research Office
## Grade Level 10 2007 MCAS Results: English Language by Race/Ethnicity, Boston

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Total</th>
<th>Advanced/Above Proficient</th>
<th>Proficient</th>
<th>Needs Improvement</th>
<th>Warning/Failing</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American/Black</td>
<td>1,730</td>
<td>5%</td>
<td>35%</td>
<td>44%</td>
<td>15%</td>
</tr>
<tr>
<td>Asian</td>
<td>416</td>
<td>26%</td>
<td>50%</td>
<td>20%</td>
<td>4%</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>1,215</td>
<td>5%</td>
<td>38%</td>
<td>41%</td>
<td>16%</td>
</tr>
<tr>
<td>Native American</td>
<td>18</td>
<td>17%</td>
<td>39%</td>
<td>39%</td>
<td>6%</td>
</tr>
<tr>
<td>White</td>
<td>631</td>
<td>28%</td>
<td>46%</td>
<td>19%</td>
<td>6%</td>
</tr>
<tr>
<td>Native Hawaiian/Pacific Islander</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Multi-race- Non-Hispanic/Latino</td>
<td>30</td>
<td>13%</td>
<td>43%</td>
<td>37%</td>
<td>7%</td>
</tr>
<tr>
<td><strong>Total Students</strong></td>
<td>4,041</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DATA SOURCE:** Massachusetts Department of Education, 2007  
**GRAPHIC:** Boston Public Health Commission Research Office
# Grade Level 10 2007 MCAS Results for Mathematics in Boston

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Total</th>
<th>Advanced/ Above Proficient</th>
<th>Proficient</th>
<th>Needs Improvement</th>
<th>Warning/ Failing</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American/Black</td>
<td>1,688</td>
<td>21%</td>
<td>24%</td>
<td>33%</td>
<td>23%</td>
</tr>
<tr>
<td>Asian</td>
<td>412</td>
<td>77%</td>
<td>12%</td>
<td>7%</td>
<td>4%</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>1,185</td>
<td>24%</td>
<td>24%</td>
<td>30%</td>
<td>21%</td>
</tr>
<tr>
<td>Native American</td>
<td>16</td>
<td>31%</td>
<td>19%</td>
<td>38%</td>
<td>13%</td>
</tr>
<tr>
<td>White</td>
<td>619</td>
<td>55%</td>
<td>19%</td>
<td>16%</td>
<td>11%</td>
</tr>
<tr>
<td>Native Hawaiian/ Pacific Islander</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Multi-race- Non-Hispanic/Latino</td>
<td>29</td>
<td>38%</td>
<td>28%</td>
<td>21%</td>
<td>14%</td>
</tr>
<tr>
<td><strong>Total Students</strong></td>
<td><strong>3,950</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DATA SOURCE:** Massachusetts Department of Education, 2007  
**GRAPHIC:** Boston Public Health Commission Research Office
Annual Dropout Rates by Race/Ethnicity and Year, Boston: 1995-96 through 2005-06

Percentage of Students

DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
GRAPHIC: Boston Public Health Commission Research Office
Annual Dropout Rates Sex: Grades 9-12, Boston, 2005-2006

DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
GRAPHIC: Boston Public Health Commission Research Office
Annual Dropout Rates in Grades 9-12
Boston and East Boston, 2005-2006

- Boston
  - 2005: 9%
  - 2006: 10%

- East Boston
  - 2005: 9%
  - 2006: 10%

* Boston Public Schools use the Zip Code 02128 to define East Boston
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
GRAPHIC: Boston Public Health Commission Research Office
NOTES: Graduation rate Indicates the percentage of students who graduate with a regular high school diploma within 4 years. 
# of students in cohort who graduate in 4 years or less/ [# of 1st time entering 9th graders 4 years earlier] – transfers out + transfers in
DATA SOURCE: Massachusetts Department of Education
GRAPHIC: Boston Public Health Commission Research Office
VI OLENCE and TRAUMA
Emergency Department Intentional Injury Visits by Age and Type, East Boston, 2005

DATA SOURCE: Hospital Emergency Department Visit Data Base, Massachusetts Division of Health Care Finance and Policy
DATA ANALYSIS: Boston Public Health Commission Research Office
Nonfatal Assault-Related Gunshot Wound Victims by Age Group and Year Boston Residents, 1994-2006

DATA SOURCE: Weapon-Related Injury Surveillance System (WRISS) Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office
Victims of Assault-Related Nonfatal Shootings and Stabbings, Boston and East Boston, 2006

DATA SOURCE: Weapon-Related Injury Surveillance System (WRISS) Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office
### Risky Behaviors: Gun Carriers vs. Non-Gun Carriers, High School Students Boston, 2005

<table>
<thead>
<tr>
<th>Behavior</th>
<th>Of Gun Carriers</th>
<th>Of Non-Gun Carriers</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Smoked Cigarettes – Past 30 Days</td>
<td>39.7</td>
<td>14.0</td>
</tr>
<tr>
<td>% Drank Alcohol – Past 30 Days</td>
<td>78.1</td>
<td>33.6</td>
</tr>
<tr>
<td>% Binged (5+ Drinks) – Past 30 Days</td>
<td>44.1</td>
<td>13.8</td>
</tr>
<tr>
<td>% Used Marijuana – Past 30 Days</td>
<td>76.0</td>
<td>18.6</td>
</tr>
<tr>
<td>% Poor Grades (Ds &amp; Fs) - Past Year</td>
<td>35.4</td>
<td>15.1</td>
</tr>
<tr>
<td>% Lacking Adult Social Supports at School</td>
<td>38.8</td>
<td>18.9</td>
</tr>
<tr>
<td>% Gang Member – Past Year</td>
<td>51.0</td>
<td>10.1</td>
</tr>
</tbody>
</table>

**DATA SOURCE:** Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)

**DATA ANALYSIS:** Boston Public Health Commission Research Office
Feelings of Safety

DATA SOURCE: Boston Youth Survey, 2004, 2006; Harvard Youth Violence Prevention Center through a cooperative agreement with the Centers for Disease Control and Prevention
DATA ANALYSIS and GRAPHIC: Harvard Youth Violence Prevention Center
Snitching: “If you were witness to a crime, what would you do?”

- Call 911: 61%
- Call police tipline: 4%
- Call another tipline: 4%
- Tell an adult: 5%
- Nothing: 26%

DATA SOURCE: Boston Youth Survey, 2006; Harvard Youth Violence Prevention Center through a cooperative agreement with the Centers for Disease Control and Prevention
DATA ANALYSIS and GRAPHIC: Harvard Youth Violence Prevention Center
Reasons for not telling

- Don’t want to be a "snitch"
- Fear of getting hurt
- Belief that it is not his/her concern

DATA SOURCE: Boston Youth Survey, 2006; Harvard Youth Violence Prevention Center through a cooperative agreement with the Centers for Disease Control and Prevention
DATA ANALYSIS and GRAPHIC: Harvard Youth Violence Prevention Center
“How easy is it or would it be for you to get a gun?”

DATA SOURCE: Boston Youth Survey, 2004, 2006; Harvard Youth Violence Prevention Center through a cooperative agreement with the Centers for Disease Control and Prevention
DATA ANALYSIS and GRAPHIC: Harvard Youth Violence Prevention Center
## Reasons for Gun Carrying*

<table>
<thead>
<tr>
<th>Reason</th>
<th>2004</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Felt unsafe in neighborhood</td>
<td>38%</td>
<td>37%</td>
</tr>
<tr>
<td>Someone had threatened me</td>
<td>29%</td>
<td>32%</td>
</tr>
<tr>
<td>Friends carried guns</td>
<td>14%</td>
<td>12%</td>
</tr>
<tr>
<td>Carried it for someone else</td>
<td>14%</td>
<td>32%</td>
</tr>
<tr>
<td>Felt unsafe at school</td>
<td>13%</td>
<td>17%</td>
</tr>
<tr>
<td>Self protection</td>
<td>10%</td>
<td>---</td>
</tr>
<tr>
<td>Felt like it/gave me power</td>
<td>10%</td>
<td>17%</td>
</tr>
<tr>
<td>Other</td>
<td>8%</td>
<td>37%</td>
</tr>
</tbody>
</table>

*Of those who provided a reason

DATA SOURCE: Boston Youth Survey, 2004, 2006; Harvard Youth Violence Prevention Center through a cooperative agreement with the Centers for Disease Control and Prevention

DATA ANALYSIS and GRAPHIC: Harvard Youth Violence Prevention Center
# Weapons

<table>
<thead>
<tr>
<th></th>
<th>2004</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attacked with weapon</td>
<td>13%</td>
<td>9%</td>
</tr>
<tr>
<td>(not gun, past year)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shot/shot at (past year)</td>
<td>11%</td>
<td>4%</td>
</tr>
<tr>
<td>Carried gun (past year)</td>
<td>8%</td>
<td>6%</td>
</tr>
</tbody>
</table>

**DATA SOURCE:** Boston Youth Survey, 2004, 2006; Harvard Youth Violence Prevention Center through a cooperative agreement with the Centers for Disease Control and Prevention

**DATA ANALYSIS and GRAPHIC:** Harvard Youth Violence Prevention Center
RISKY BEHAVIOR
### Risky Behaviors, High School Students, Boston, Massachusetts, and U.S., 2005

<table>
<thead>
<tr>
<th>Behavior</th>
<th>BOSTON</th>
<th>MA</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoked – past 30 Days</td>
<td>15%</td>
<td>21%</td>
<td>23%</td>
</tr>
<tr>
<td>Alcohol – past 30 Days</td>
<td>36%</td>
<td>48%</td>
<td>43%</td>
</tr>
<tr>
<td>Binged – past 30 Days</td>
<td>15%</td>
<td>27%</td>
<td>26%</td>
</tr>
<tr>
<td>Marijuana – Lifetime</td>
<td>39%</td>
<td>45%</td>
<td>38%</td>
</tr>
<tr>
<td>Marijuana- Past 30 Days</td>
<td>21%</td>
<td>26%</td>
<td>20%</td>
</tr>
<tr>
<td>Sex Before Age 13</td>
<td>11%</td>
<td>5%</td>
<td>6%</td>
</tr>
<tr>
<td>Condom Use* – past 3 mo.</td>
<td>74%</td>
<td>65%</td>
<td>63%</td>
</tr>
</tbody>
</table>

*of those having had sexual intercourse in past 3 mos.

DATA SOURCE: Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office
MENTAL HEALTH
Felt Sad/Hopeless for Two Weeks Straight During Past Year, High School Students Boston, 2005

<table>
<thead>
<tr>
<th>Group</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boston</td>
<td>30%</td>
</tr>
<tr>
<td>MA</td>
<td>27%</td>
</tr>
<tr>
<td>Female</td>
<td>37%</td>
</tr>
<tr>
<td>Male</td>
<td>23%</td>
</tr>
<tr>
<td>Asian</td>
<td>32%</td>
</tr>
<tr>
<td>Black</td>
<td>27%</td>
</tr>
<tr>
<td>Latino</td>
<td>36%</td>
</tr>
<tr>
<td>White</td>
<td>29%</td>
</tr>
</tbody>
</table>

DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office
Suicide Attempt Requiring Medical Care During Past Year, High School Students Boston, 2005

DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office
EAST BOSTON: SUMMARY of MAJOR FINDINGS

POSITIVE

- **Children with Elevated Blood Lead Levels** – The elevated blood lead level for East Boston children in 2006 was 1.3% and slightly lower than for Boston children overall (2.0%).

- **Low Birthweight Births** – The low birthweight rate for East Boston infants in 2005 was nearly 50% less than for Boston overall infants and close to the Healthy People 2010 target of no more than 5% low birthweight births.

CHALLENGES

- **Adolescent Birth Rate** – East Boston’s adolescent birth rate in 2005 for ages 15-17 (32 births per 1,000 females ages 15-17) was more than 50% higher than the Boston rate of 21 births per 1,000 for this age group.

- **ED Intentional Injury Visits** – East Boston youth ages 0-17 and young adults, ages 18-24 each made less than 5 visits to hospital Emergency Departments (EDs) for intentional injuries in 2005 due to firearms. However, of intentional injuries incurred by the East Boston young adult age group, intentional injuries due to sharp objects like knives accounted for 38%.

- **Assault-Related Nonfatal Shootings and Stabbings** – The East Boston rate of nonfatal stabbing victims (12 per 10,000 pop.) in 2006 was more than double the overall Boston rate.
BPHC YOUTH PROGRAMS

- Adolescent Wellness Program
- Boston Area Health Education Center (BAHEC)
- Child and Adolescent Mental Health
- Connecting Families to Schools
- School Based Health Programs
  - Parochial, Private & Charter School Program
  - Public School Program
- Youth Development Network
Slides Not Included in the Presentation
Language Spoken at Home by Students
Boston and East Boston, 2005

Boston
- English: 56%
- Spanish: 19%
- Chinese: 3%
- Haitian: 3%
- Others: 19%

East Boston
- Spanish: 45%
- Haitian: 3%
- Portuguese: 3%
- Chinese: 2%
- Others: 16%

DATA ANALYSIS: Boston Public Health Commission Research Office
ENVIRONMENTAL LEAD

ASTHMA

NOTE: The data shown in the chart do not include those children whose neighborhood of residence is unknown nor those children who are not Boston residents.

DATA SOURCE: Lead Screening Data, Boston Public Health Commission Office of Environmental Health
DATA ANALYSIS: Lead Screening Data, Boston Public Health Commission Office of Environmental Health
GRAPHIC: Boston Public Health Commission Research Office
Asthma Hospitalizations of Children Under Age 5 and Ages 5-17, Boston and East Boston, 2004-2006

DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy
DATA ANALYSIS: Boston Public Health Commission Research Office
MATERNAL AND CHILD
Low Birthweight
Boston and East Boston, 2005

Percentage of Births

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office
Infant Mortality: Boston and East Boston, 2001-2005

DATA SOURCE: Boston resident deaths and live births, Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office
Birth Rates Among Adolescents Ages 15-17
East Boston, 2005

Births per 1,000 Females Ages 15-17

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office
# Leading Reasons for Hospitalization

**Ages 1-24, East Boston, 2006**

<table>
<thead>
<tr>
<th>Ages 1-9</th>
<th>Ages 10-17</th>
<th>Ages 18-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Bronchitis/Asthma</td>
<td>Pregnancy</td>
<td>Pregnancy</td>
</tr>
<tr>
<td>2. Simple Pneumonia*</td>
<td>Injury</td>
<td>Substance Abuse</td>
</tr>
<tr>
<td>3. Nutritional &amp; Metabolic Disorder</td>
<td>Psychoses</td>
<td>Psychoses</td>
</tr>
<tr>
<td>4. Gastroenteritis</td>
<td>Appendectomy</td>
<td>Injury</td>
</tr>
<tr>
<td>5. Appendectomy</td>
<td>n&lt;5</td>
<td>n&lt;5</td>
</tr>
</tbody>
</table>

*Includes Pleurisy

DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy

DATA ANALYSIS: Boston Public Health Commission Research Office
At Risk for Overweight or Overweight/Obese, High School Students Boston, 2005

Percentage of High School Students

DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office
Adequate Exercise/Physical Activity
High School Students, Boston, 2005

Percentage of High School Students

BOSTON | MA | Female | Male | Asian | Black | Latino | White |

56% | 67% | 51% | 63% | 47% | 53% | 56% | 71%

DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office
INFECTIOUS DISEASE
Chlamydia Incidence Rates in Ages 15-18 by Sex, Boston, and East Boston, 2006

- **BOSTON MA**
  - Females: 3,074
  - Males: 1,045

- **Female**
  - East Boston: 4,990
  - Male: 1,175

- **East Boston Females**: 2,616
- **East Boston Males**: n<5

**DATA SOURCE:** Massachusetts Department of Public Health, STD Division
**DATA ANALYSIS:** Boston Public Health Commission Research Office
HIV Incidence Rates by Age and Year
Boston, 1999-2006

<table>
<thead>
<tr>
<th>Year</th>
<th>&lt; Age 20</th>
<th>20-29</th>
<th>30+</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999</td>
<td>5</td>
<td>21</td>
<td>38</td>
</tr>
<tr>
<td>2000</td>
<td>4</td>
<td>27</td>
<td>40</td>
</tr>
<tr>
<td>2001</td>
<td>4</td>
<td>20</td>
<td>41</td>
</tr>
<tr>
<td>2002</td>
<td>7</td>
<td>30</td>
<td>42</td>
</tr>
<tr>
<td>2003</td>
<td>5</td>
<td>16</td>
<td>42</td>
</tr>
<tr>
<td>2004</td>
<td>4</td>
<td>25</td>
<td>41</td>
</tr>
<tr>
<td>2005</td>
<td>n&lt;5</td>
<td>34</td>
<td>41</td>
</tr>
<tr>
<td>2006</td>
<td>n&lt;5</td>
<td>24</td>
<td>30</td>
</tr>
</tbody>
</table>

DATA SOURCE: Massachusetts Department of Public Health HIV/AIDS Surveillance Program
DATA ANALYSIS: Boston Public Health Commission Research Office