

Community Youth Meetings 2007

Health Status of Youth: East Boston

November 15, 2007

Presented by the Boston Public Health
Commission



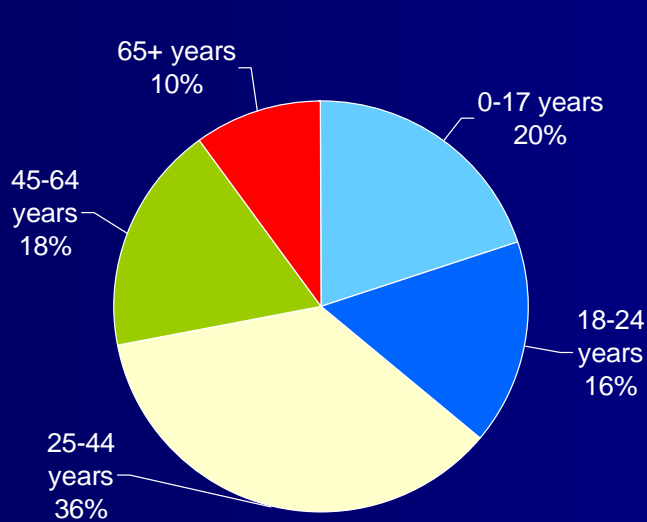
B O S T O N

East Boston

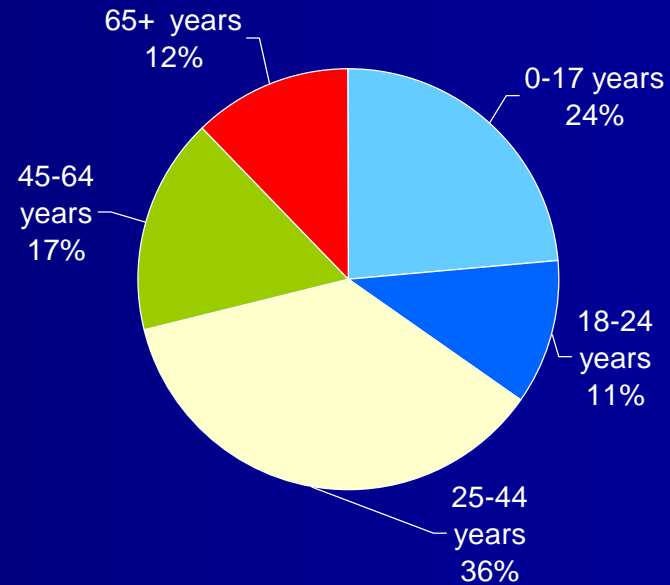


MAP PREPARATION:
Boston Public Health Commission
Research Office

Population by Age Group: Boston and East Boston, 2000

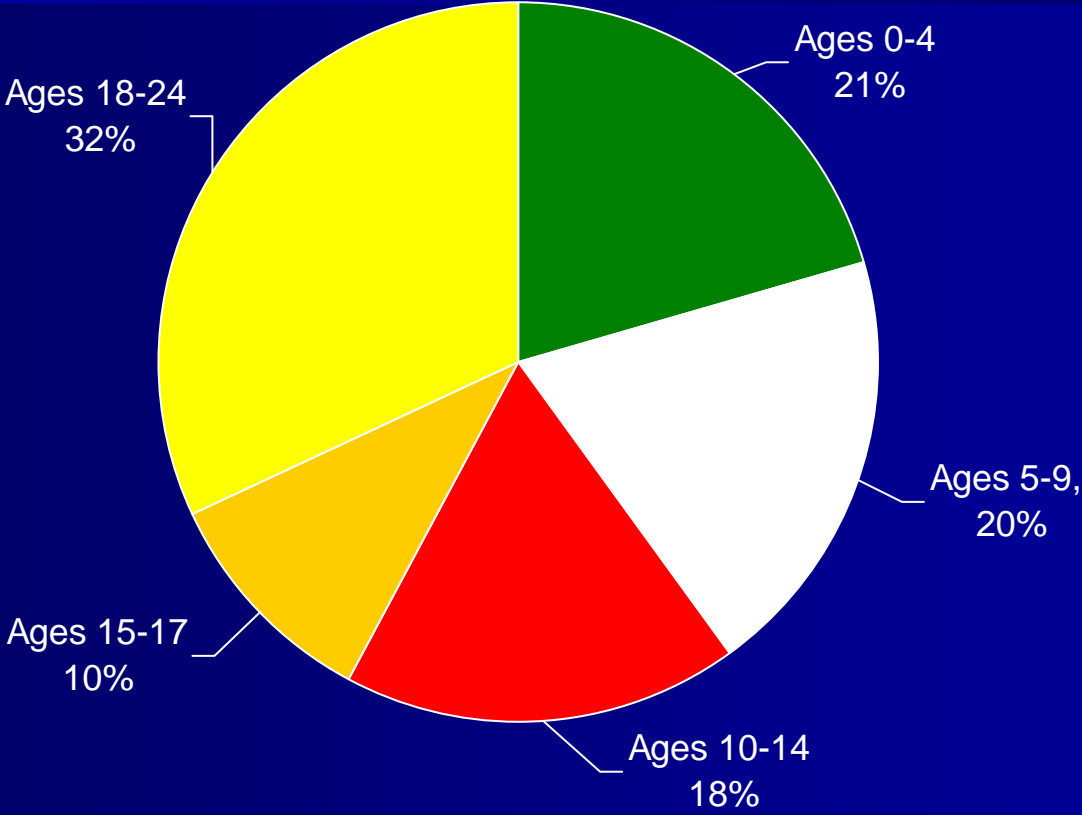


Boston



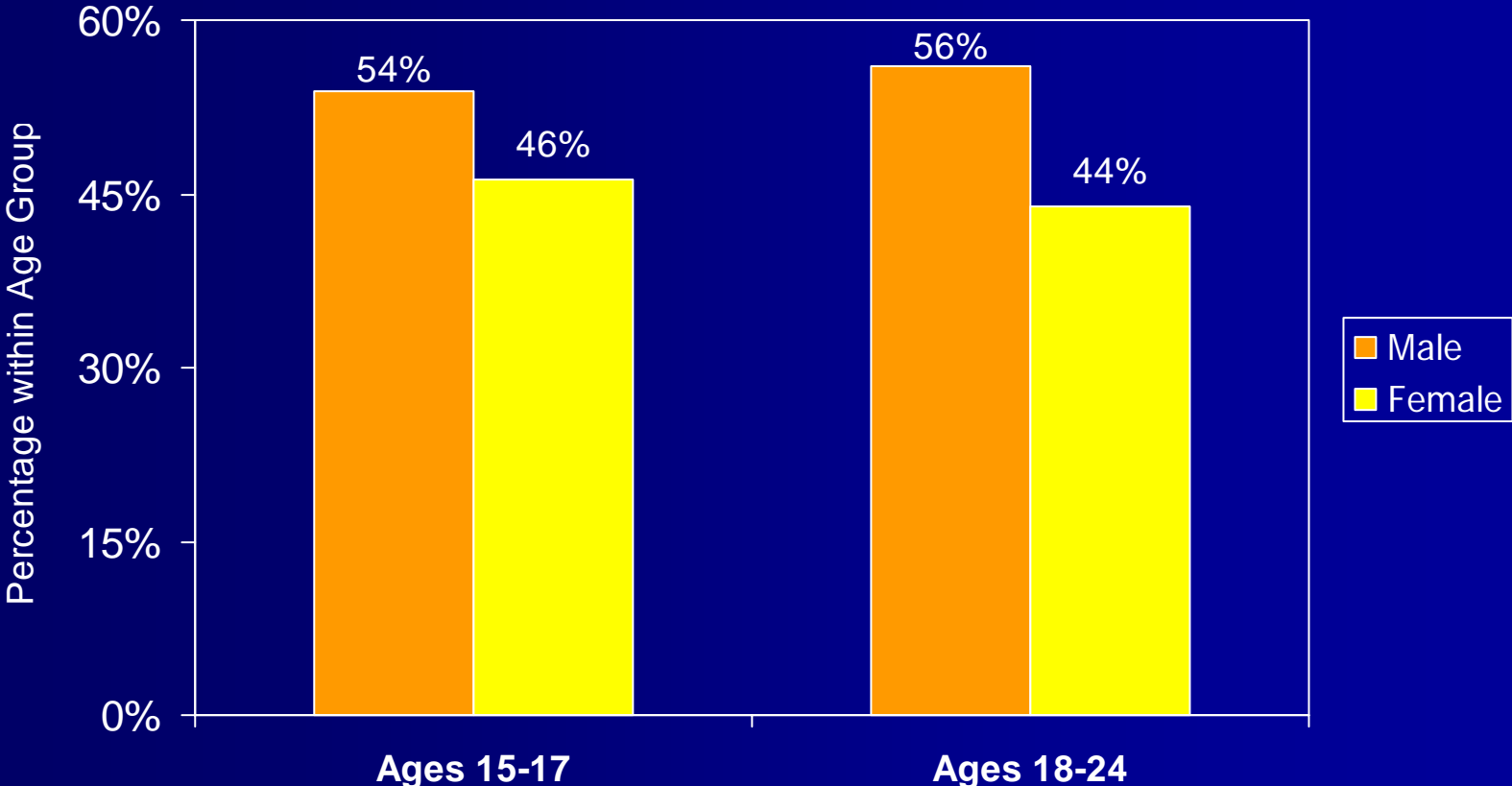
East Boston

Youth and Young Adult Population by Age, East Boston, 2000



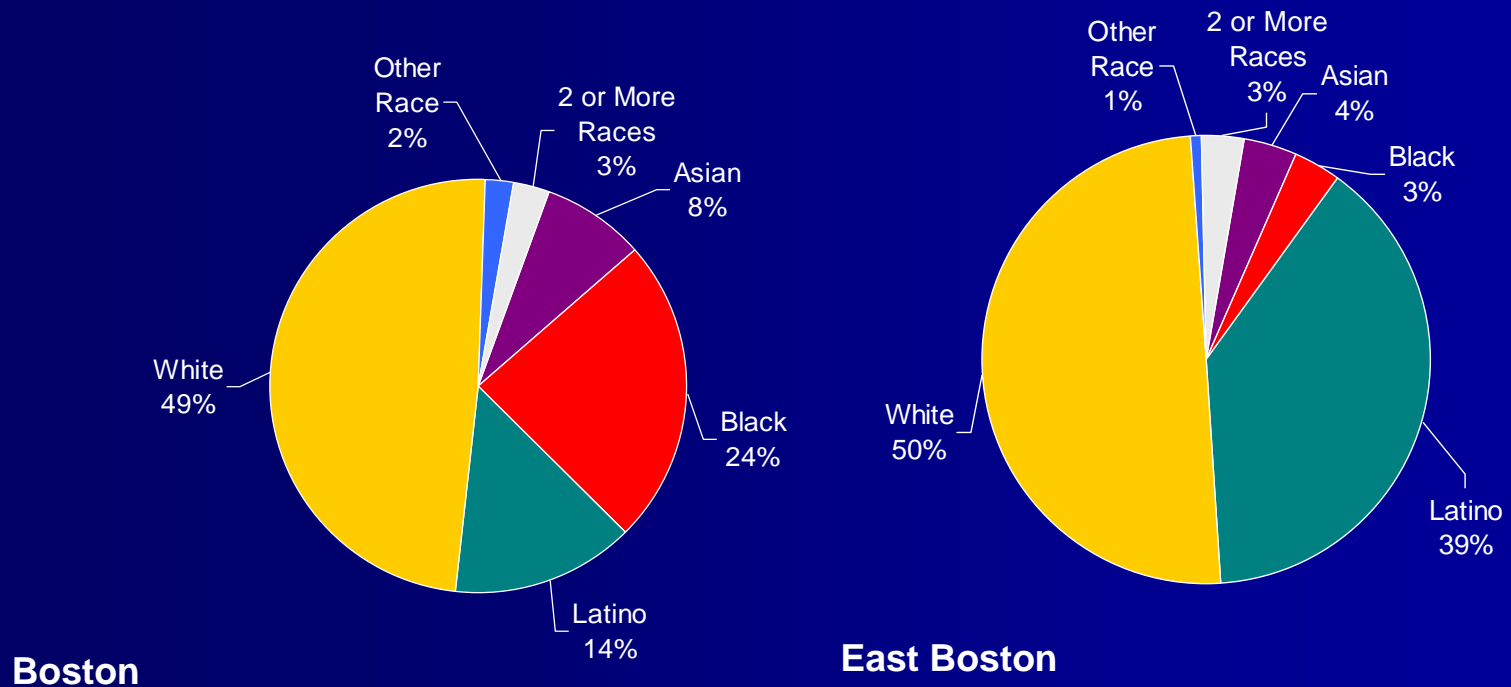
DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder
DATA ANALYSIS: Boston Public Health Commission Research Office

Youth and Young Adult Population by Gender, East Boston, 2000



DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder
DATA ANALYSIS: Boston Public Health Commission Research Office

Racial and Ethnic Makeup: Boston and East Boston, 2000

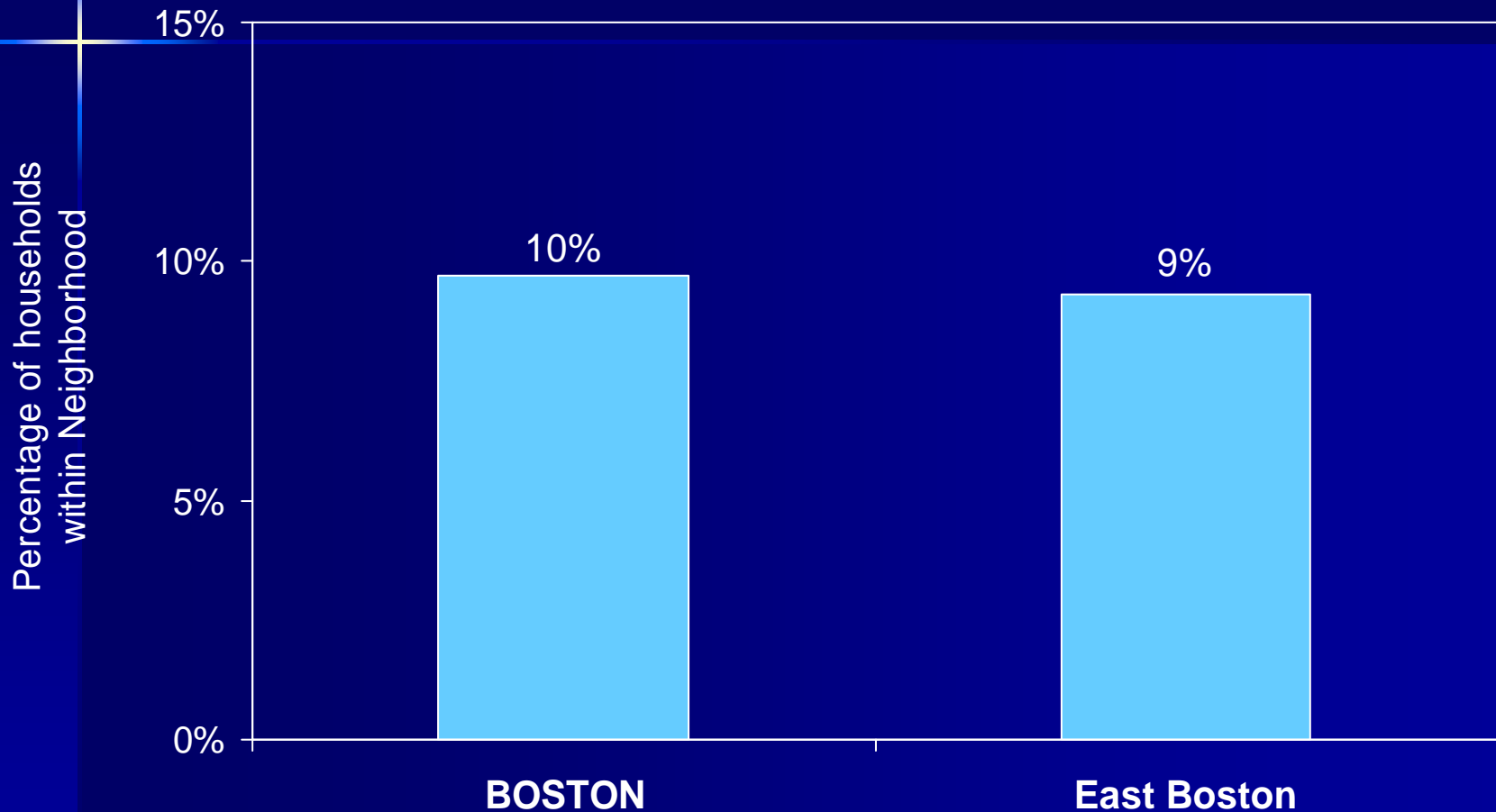


NOTE: Percentages may not add to 100% due to the multiple race category.

DATA SOURCE: U.S. Department of Commerce, Bureau of the Census, American FactFinder, Census 2000

DATA ANALYSIS: Boston Public Health Commission Research Office

Female-Headed Households* with Own Children Under Age 18, East Boston, 2000



*No husband present

•DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder
DATA ANALYSIS: Boston Public Health Commission Research Office

Selected Socioeconomic Indicators Boston and East Boston, 2000

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

*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

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

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

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

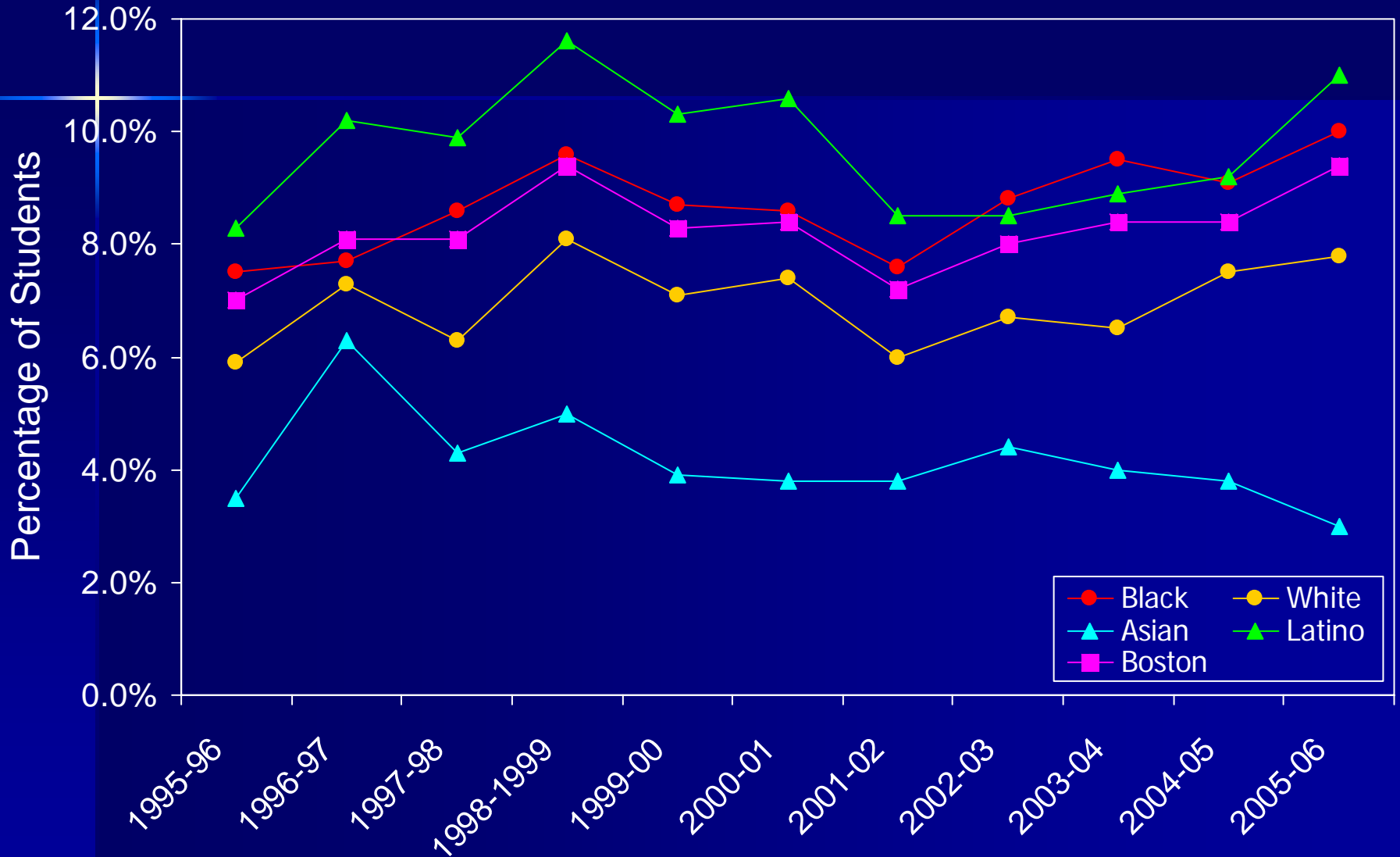
Grade Level 10 2007 MCAS Results for Mathematics in Boston

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

DATA SOURCE: Massachusetts Department of Education, 2007

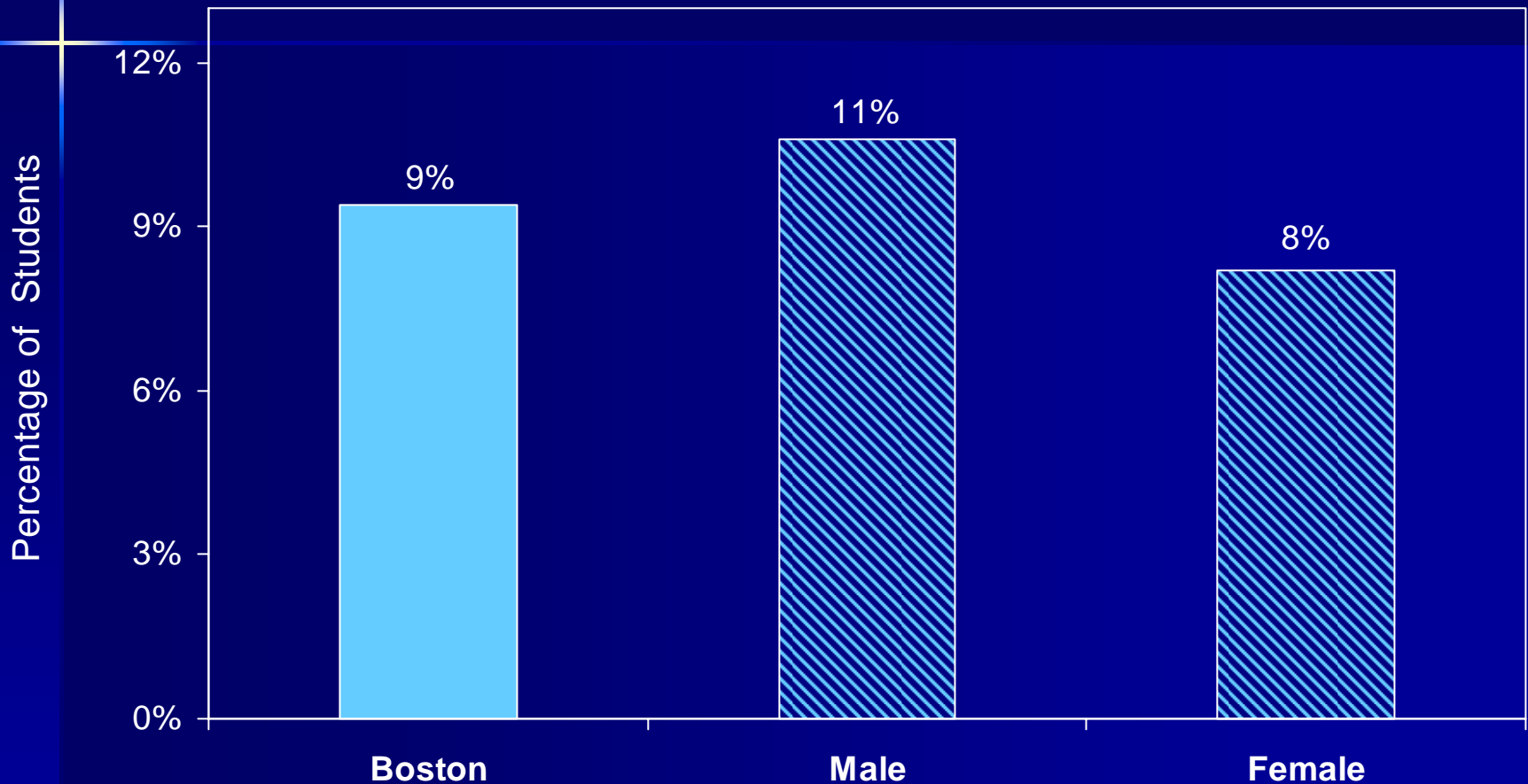
GRAPHIC: Boston Public Health Commission Research Office

Annual Dropout Rates by Race/Ethnicity and Year, Boston: 1995-96 through 2005-06



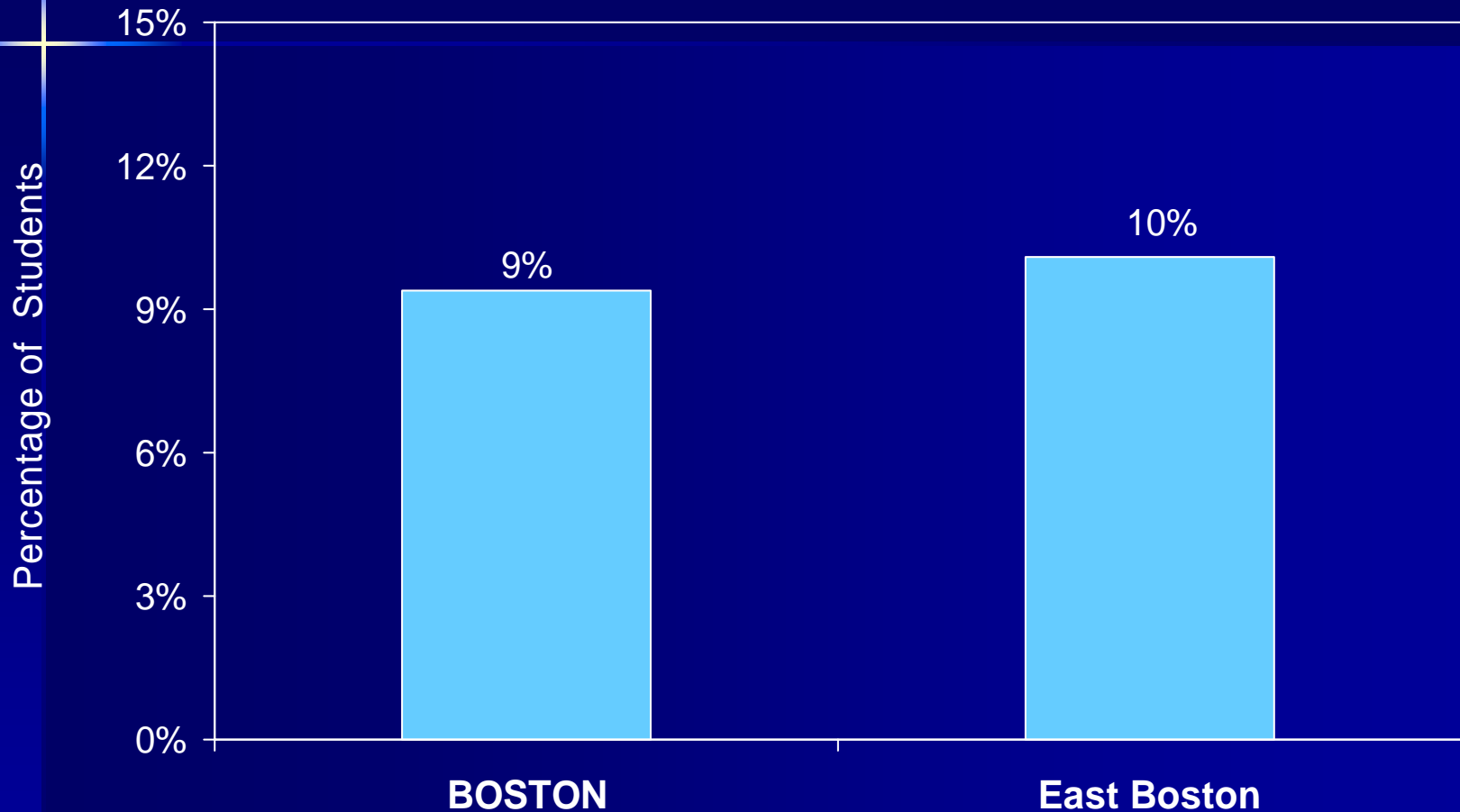
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
 GRAPHIC: Boston Public Health Commission Research Office

Annual Dropout Rates Sex: Grades 9-12, Boston, 2005-2006



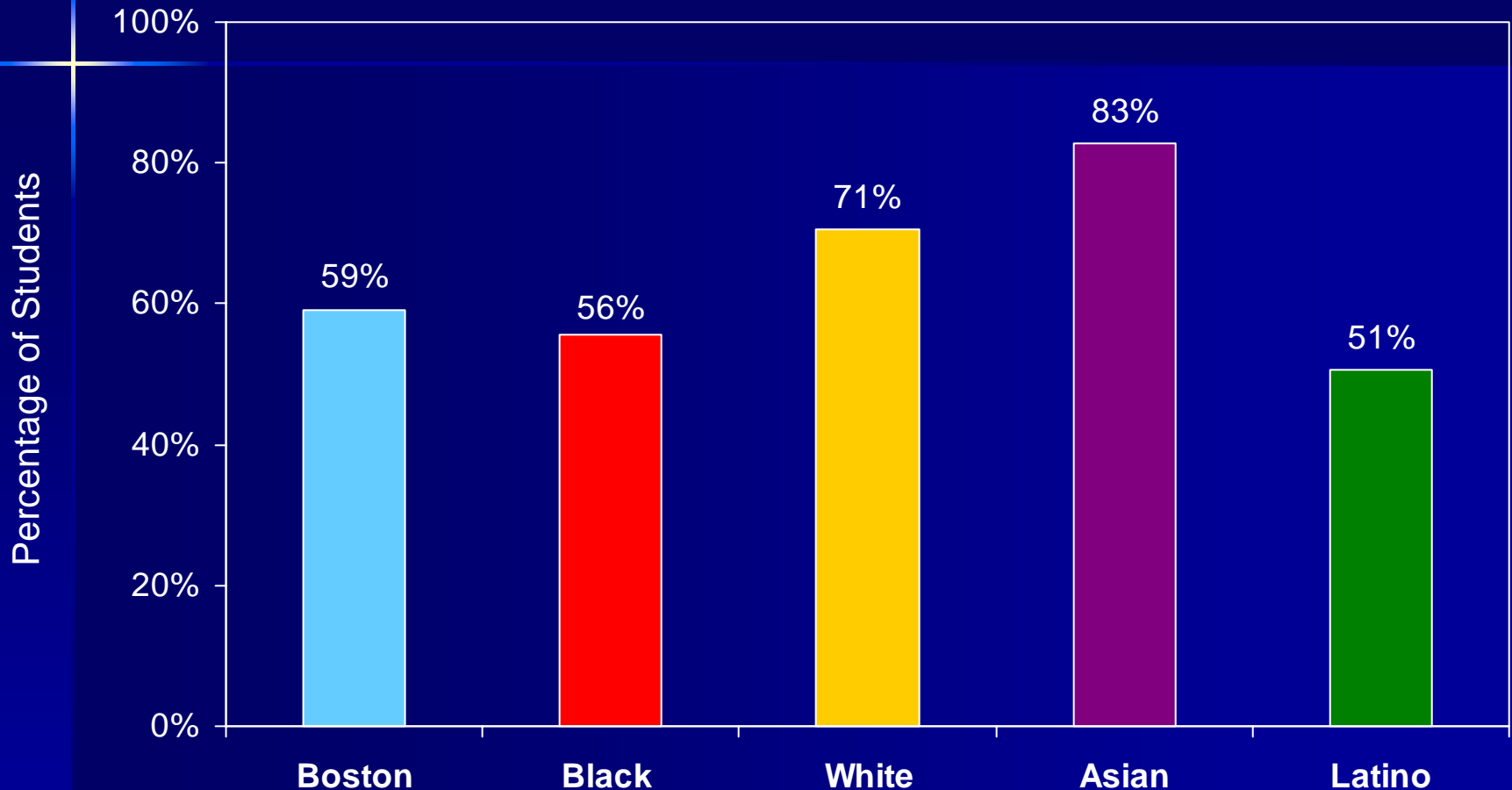
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
GRAPHIC: Boston Public Health Commission Research Office

Annual Dropout Rates in Grades 9-12 Boston and East Boston, 2005-2006



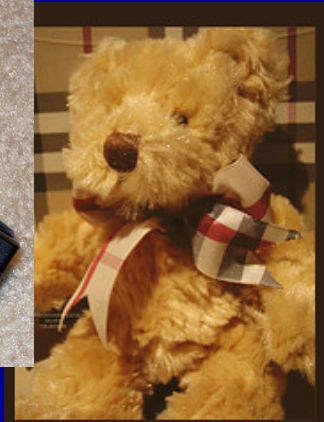
* Boston Public Schools use the Zip Code 02128 to define East Boston
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
GRAPHIC: Boston Public Health Commission Research Office

4-Year Graduation Rate: Grades 9-12 Boston, 2006

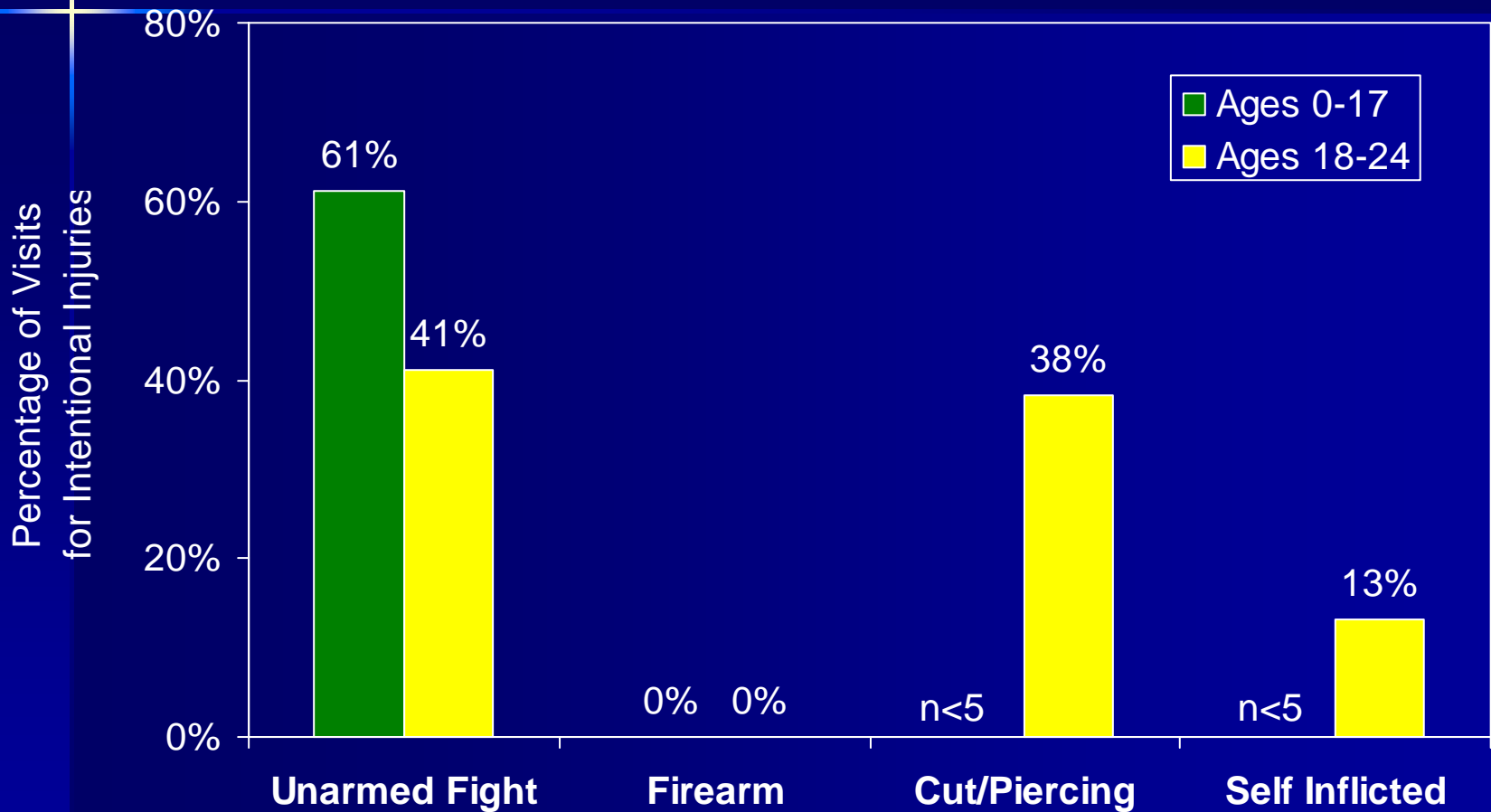


NOTES: Graduation rate Indicates the percentage of students who graduate with a regular high school diploma within 4 years.
of students in cohort who graduate in 4 years or less/ [# of 1st time entering 9th graders 4 years earlier] – transfers out + transfers in
DATA SOURCE: Massachusetts Department of Education
GRAPHIC: Boston Public Health Commission Research Office

VIOLENCE and TRAUMA

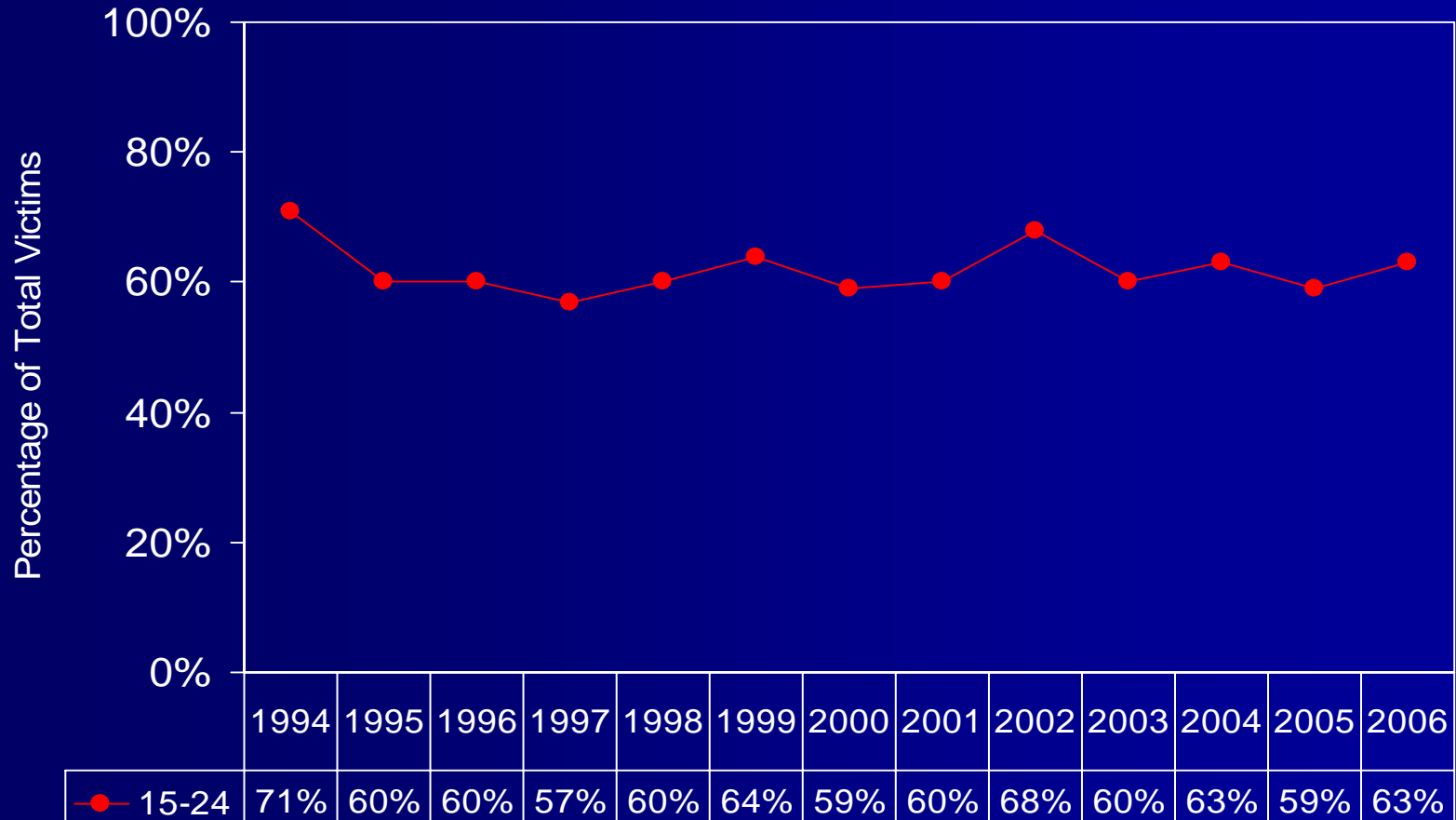


Emergency Department Intentional Injury Visits by Age and Type, East Boston, 2005



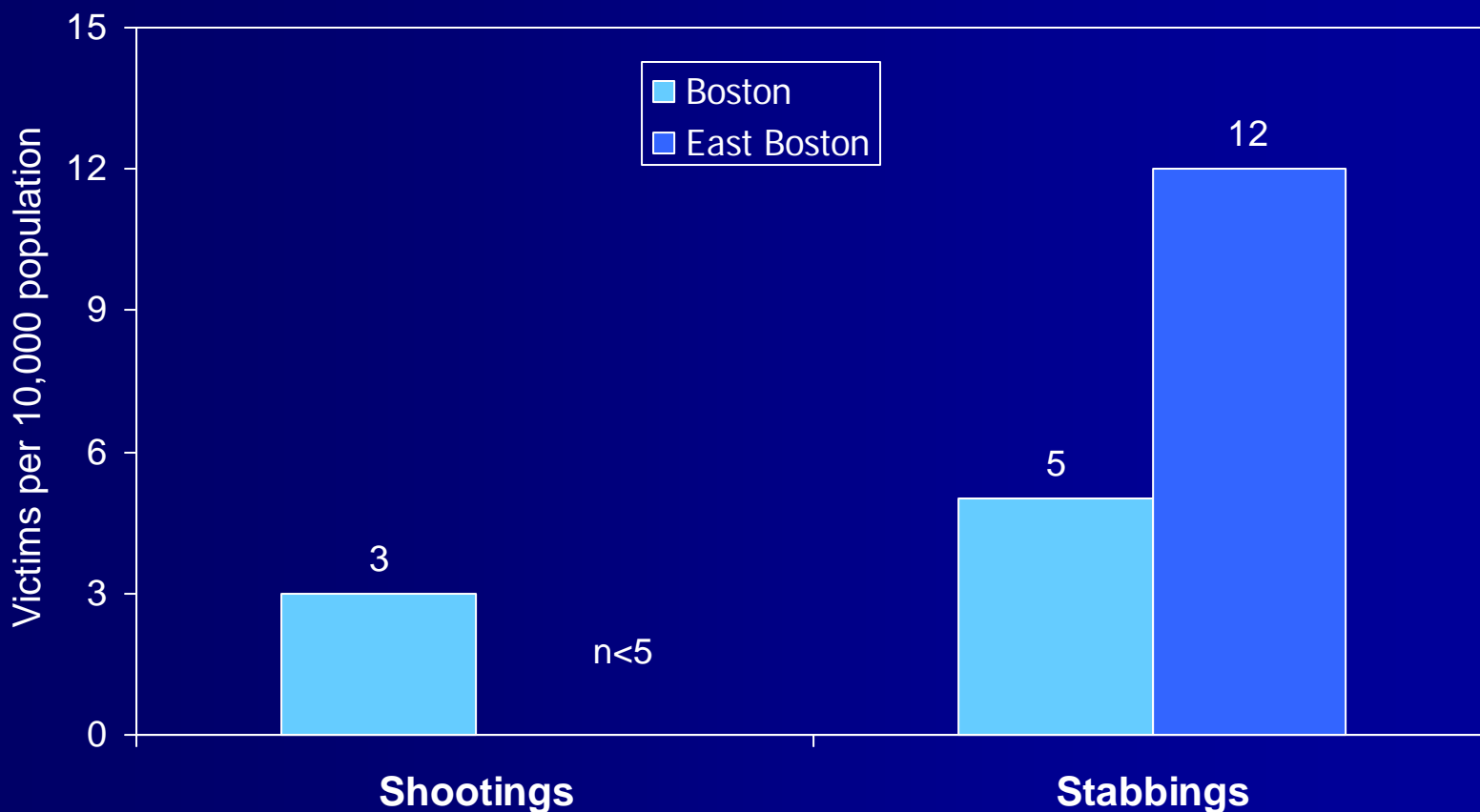
DATA SOURCE: Hospital Emergency Department Visit Data Base, Massachusetts Division of Health Care Finance and Policy
DATA ANALYSIS: Boston Public Health Commission Research Office

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



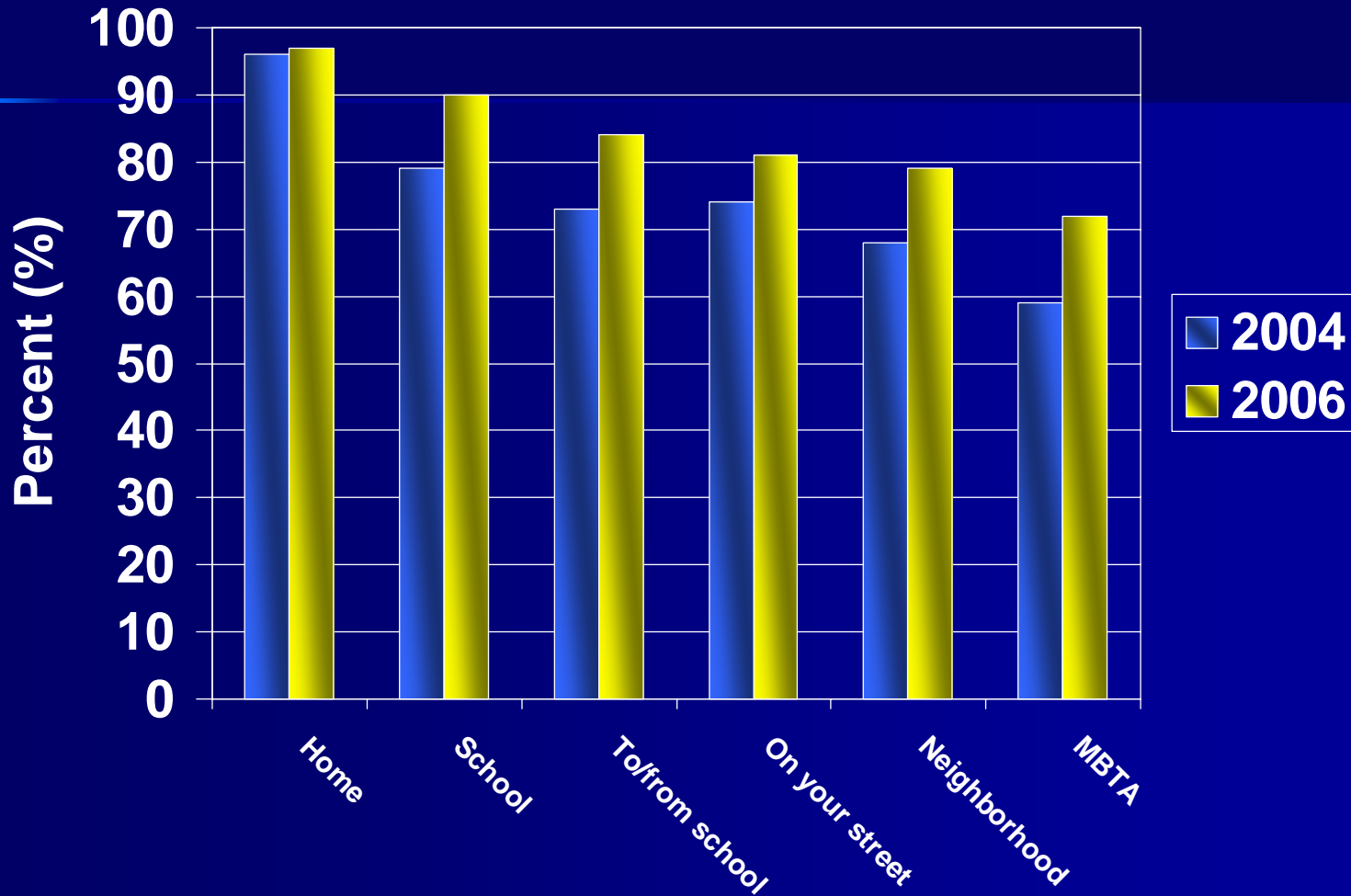
DATA SOURCE: Weapon-Related Injury Surveillance System (WRISS) Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office

Risky Behaviors: Gun Carriers vs. Non-Gun Carriers, High School Students Boston, 2005

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

DATA SOURCE: Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
 DATA ANALYSIS: Boston Public Health Commission Research Office

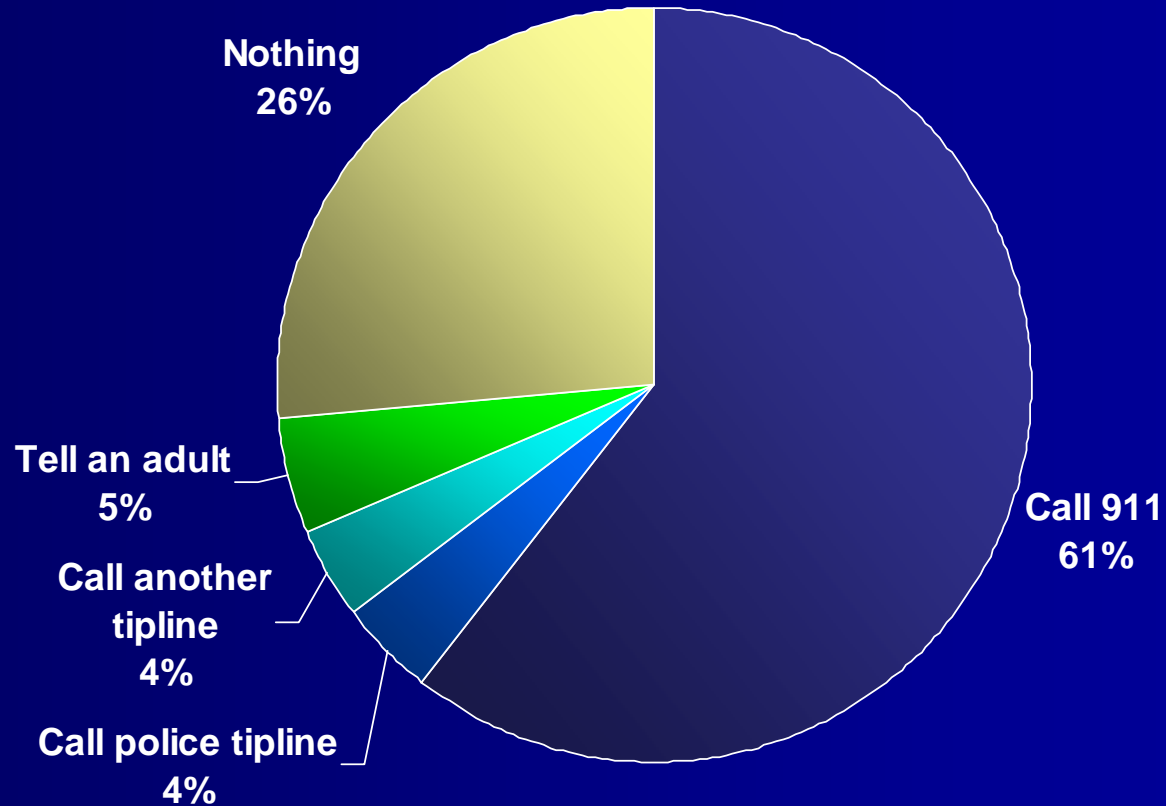
Feelings of Safety



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?”



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"

because you'd want to be labeled as a snitch

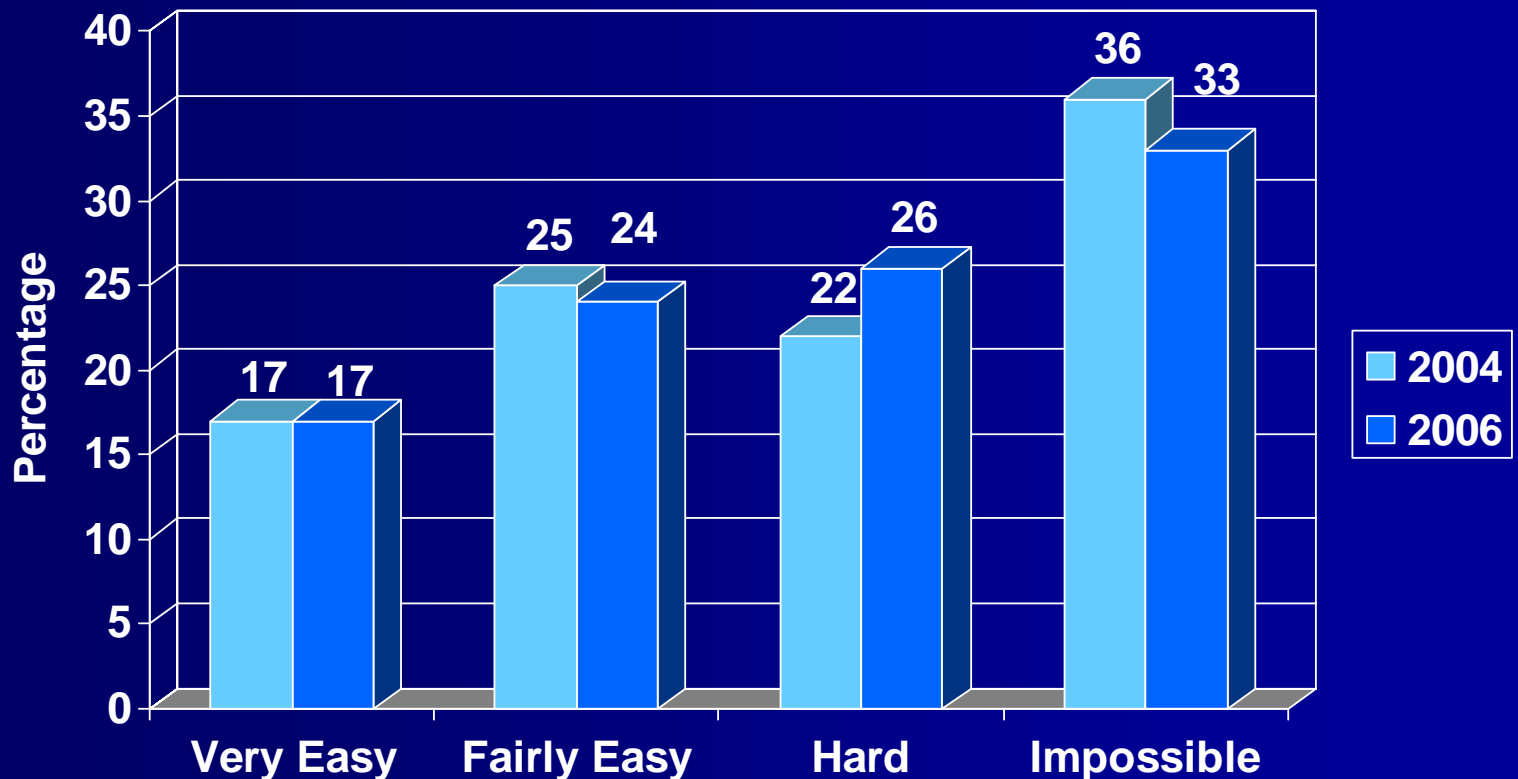
- Fear of getting hurt

BECAUSE I KNOW THE CONSEQUENCES OF SNITCHING (DEATH).

- Belief that it is not his/her concern

NONE OF MY BUSINESS

“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*

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

*Of those who provided a reason

Weapons

	2004	2006
Attacked with weapon (not gun, past year)	13%	9%
Shot/shot at (past year)	11%	4%
Carried gun (past year)	8%	6%

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

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

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

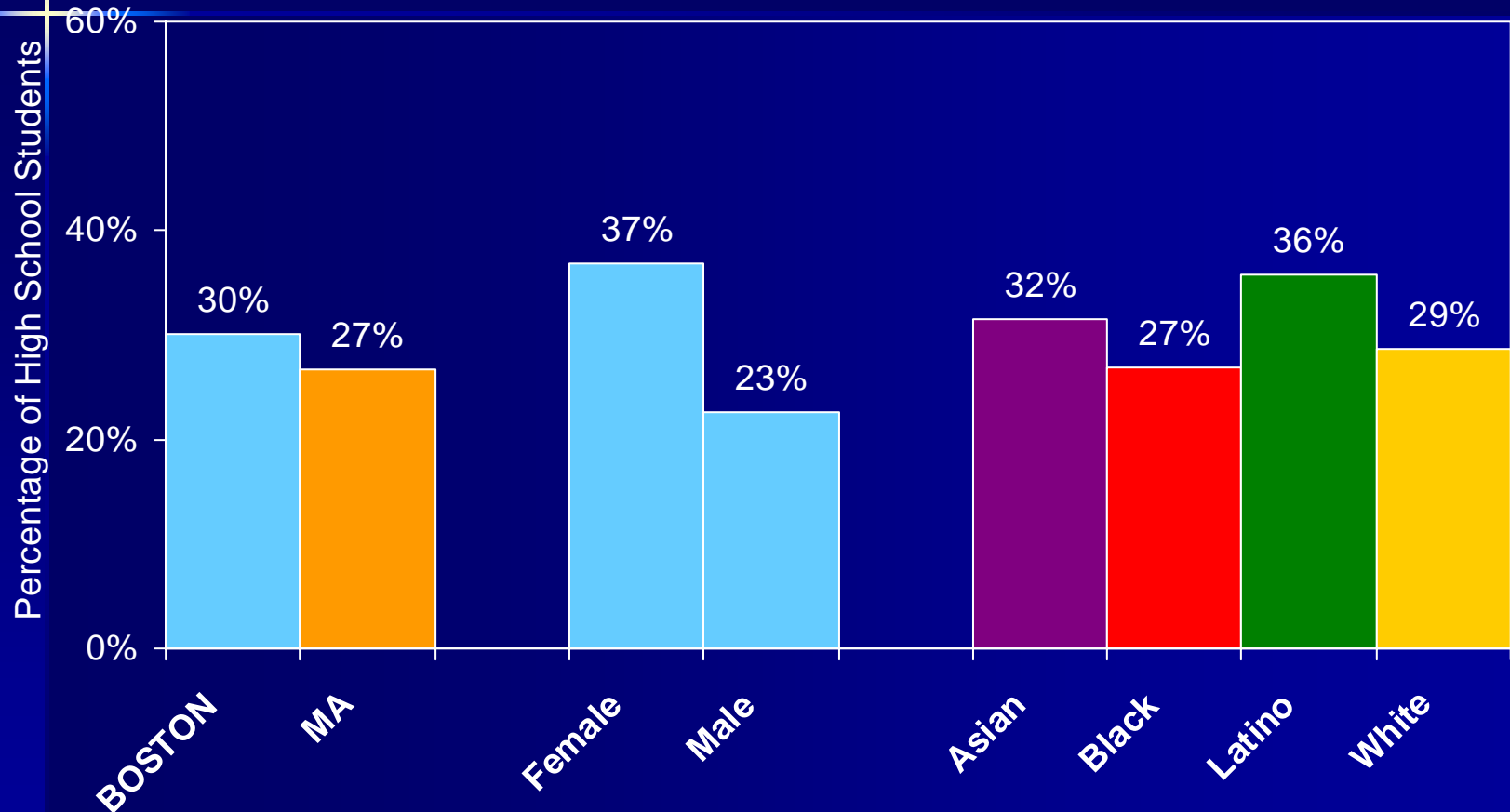
DATA SOURCE: Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)

DATA ANALYSIS: Boston Public Health Commission Research Office

MENTAL HEALTH

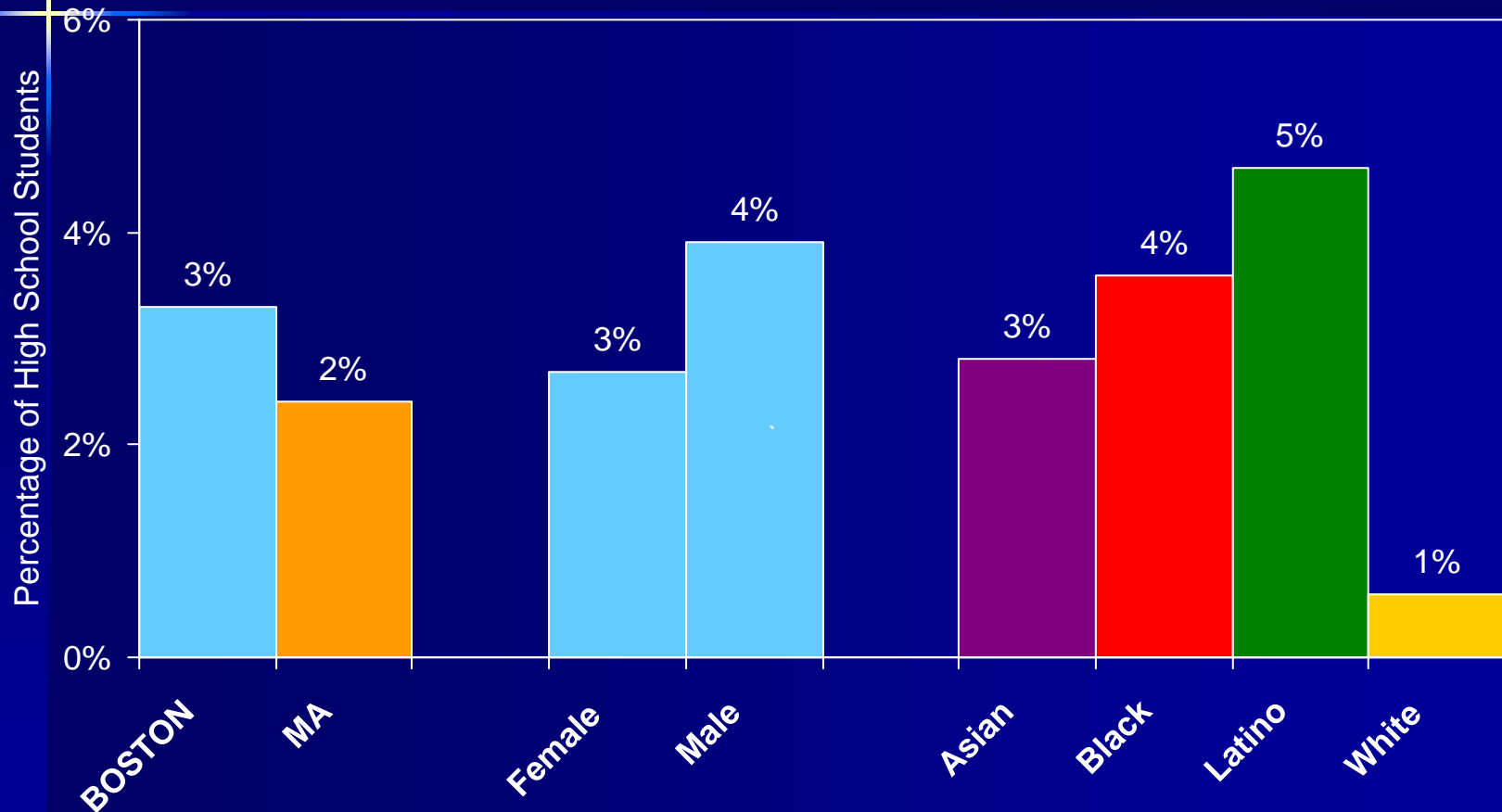


Felt Sad/Hopeless for Two Weeks Straight During Past Year, High School Students Boston, 2005



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

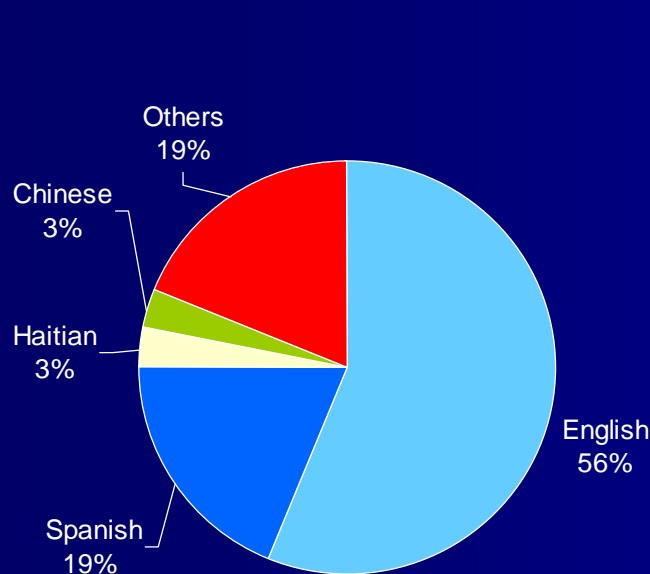
- **Adolescent Birth Rate** – East Boston's adolescent birth rate in 2005 for ages 15-17 (32 births per 1,000 females ages 15-17) was more than 50% higher than the Boston rate of 21 births per 1,000 for this age group.
- **ED Intentional Injury Visits** – East Boston youth ages 0-17 and young adults, 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

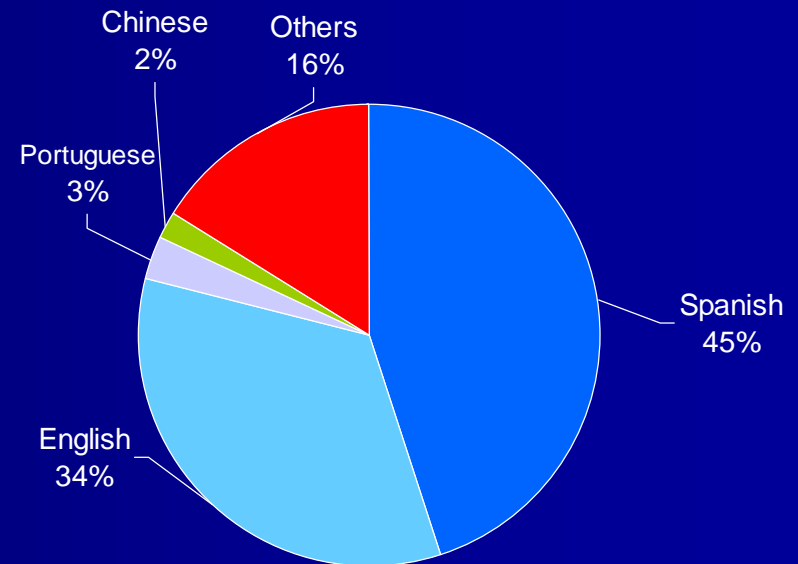
- **Adolescent Wellness Program**
- **Boston Area Health Education Center (BAHEC)**
- **Child and Adolescent Mental Health**
- **Connecting Families to Schools**
- **School Based Health Programs**
 - **Parochial, Private & Charter School Program**
 - **Public School Program**
- **Youth Development Network**

Slides Not Included in the Presentation

Language Spoken at Home by Students Boston and East Boston, 2005



Boston



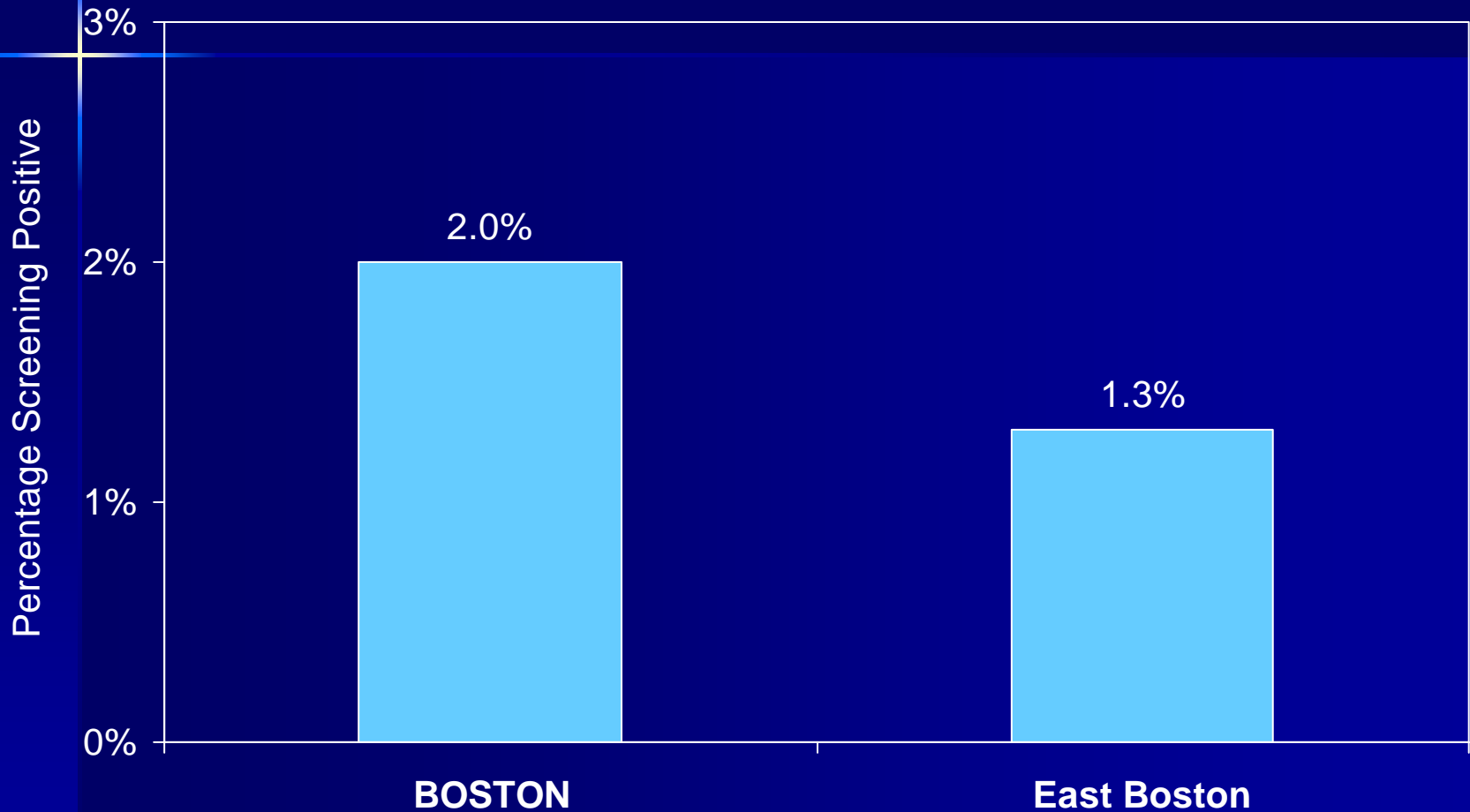
East Boston

ENVIRONMENTAL LEAD

ASTHMA



Children with Elevated Blood Lead Levels East Boston: Percentages for Screened Population, Boston, 2006



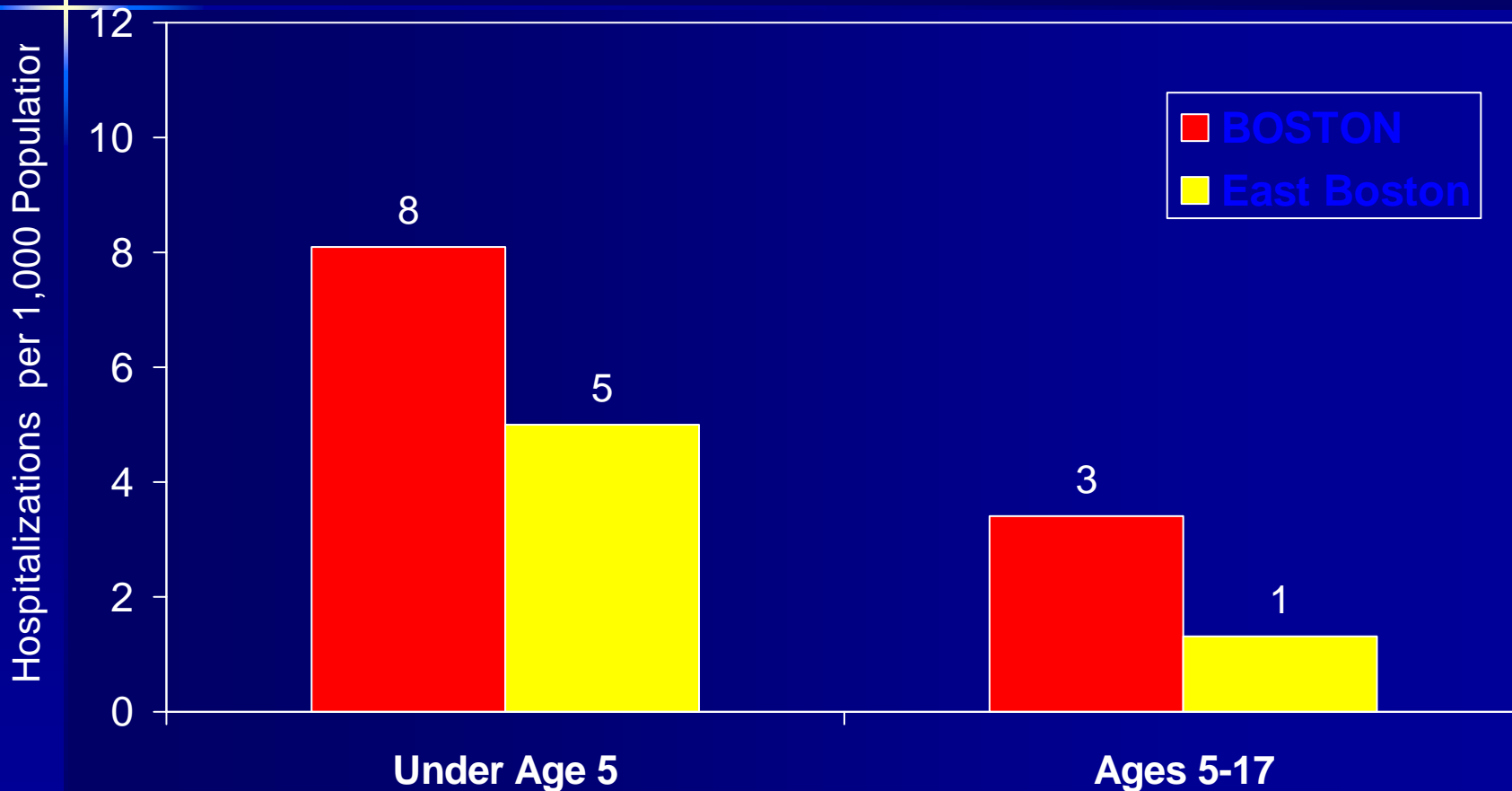
NOTE: The data shown in the chart do not include those children whose neighborhood of residence is unknown nor those children who are not Boston residents.

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

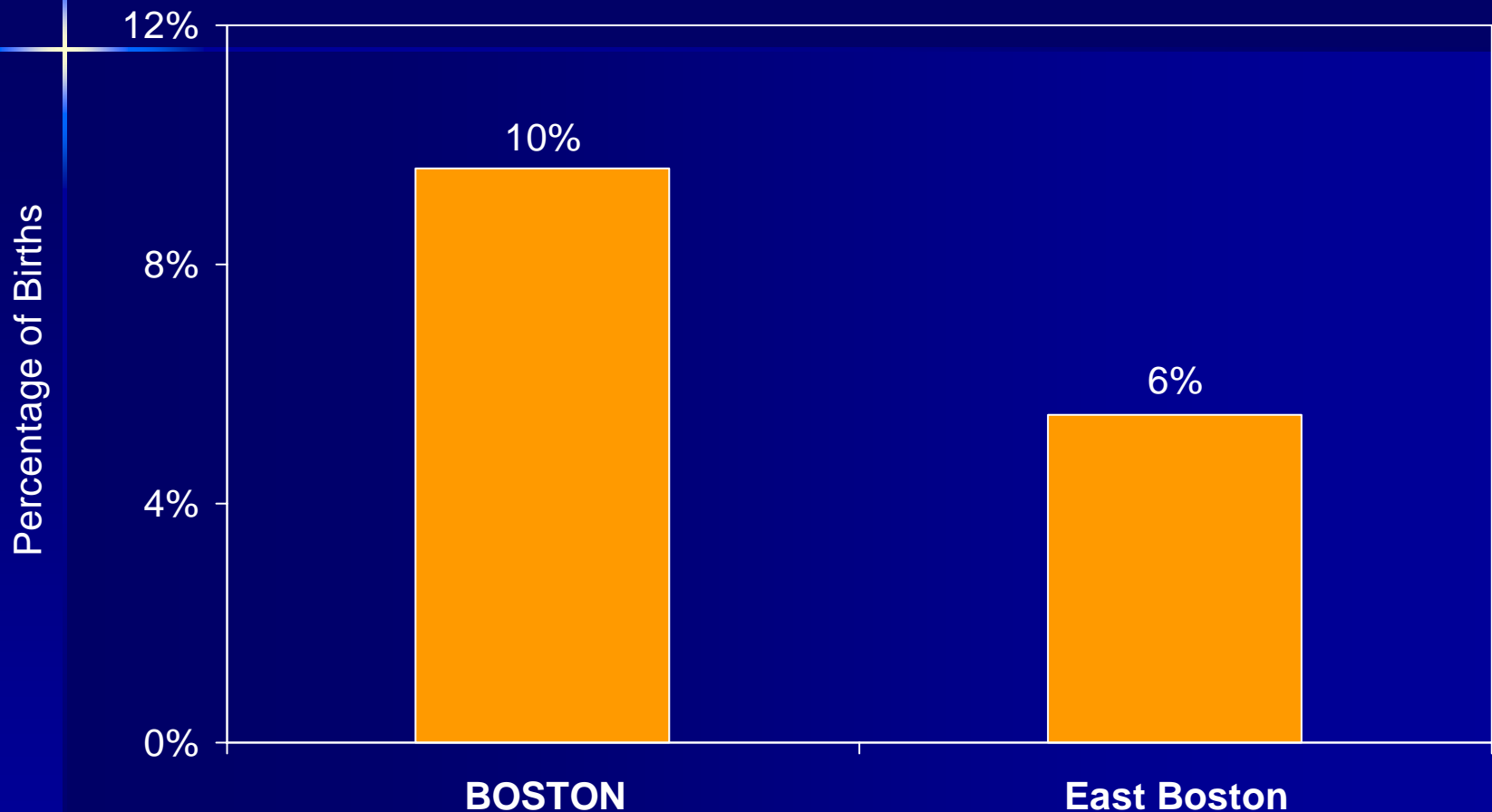


DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy
DATA ANALYSIS: Boston Public Health Commission Research Office

MATERNAL AND CHILD

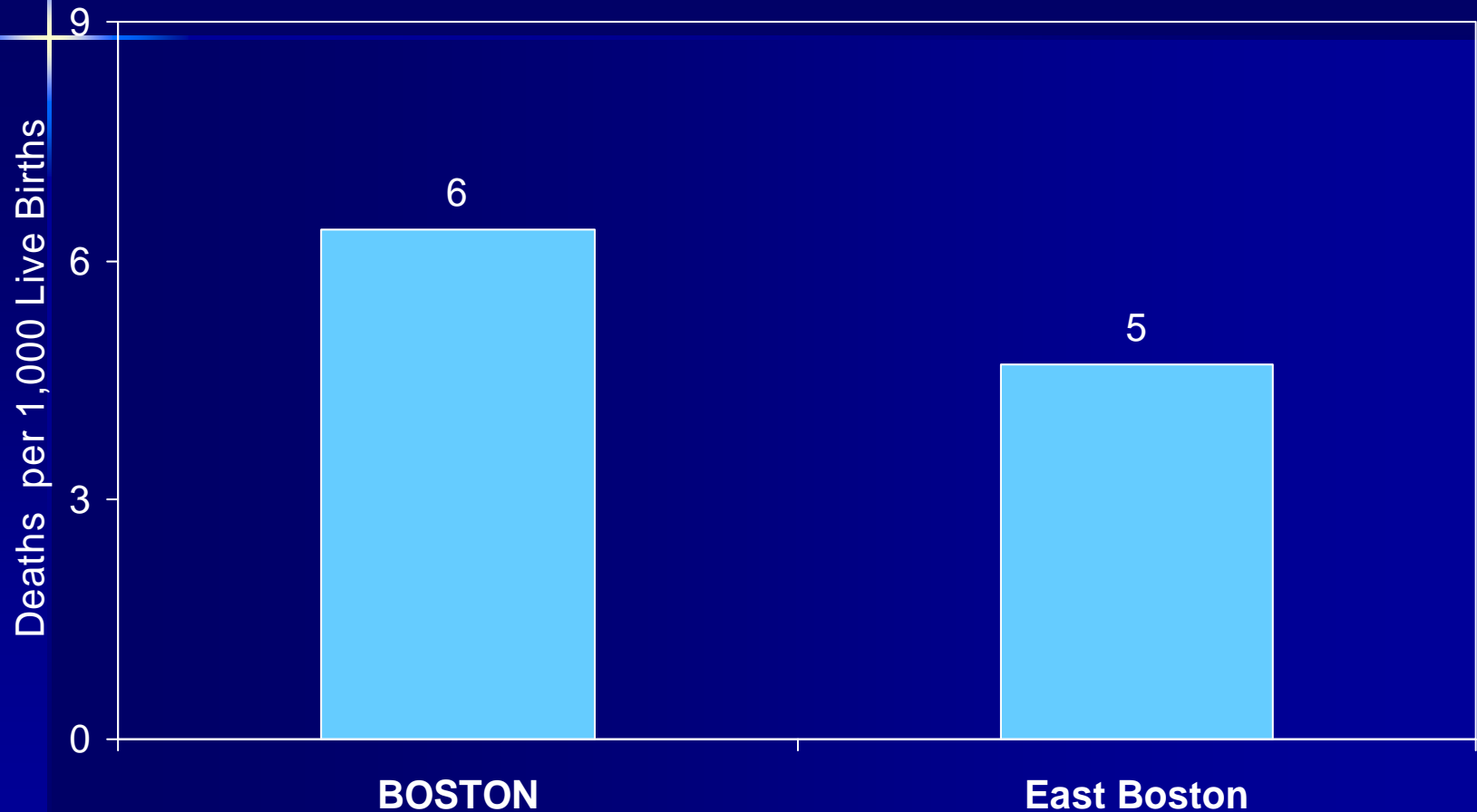


Low Birthweight Boston and East Boston, 2005



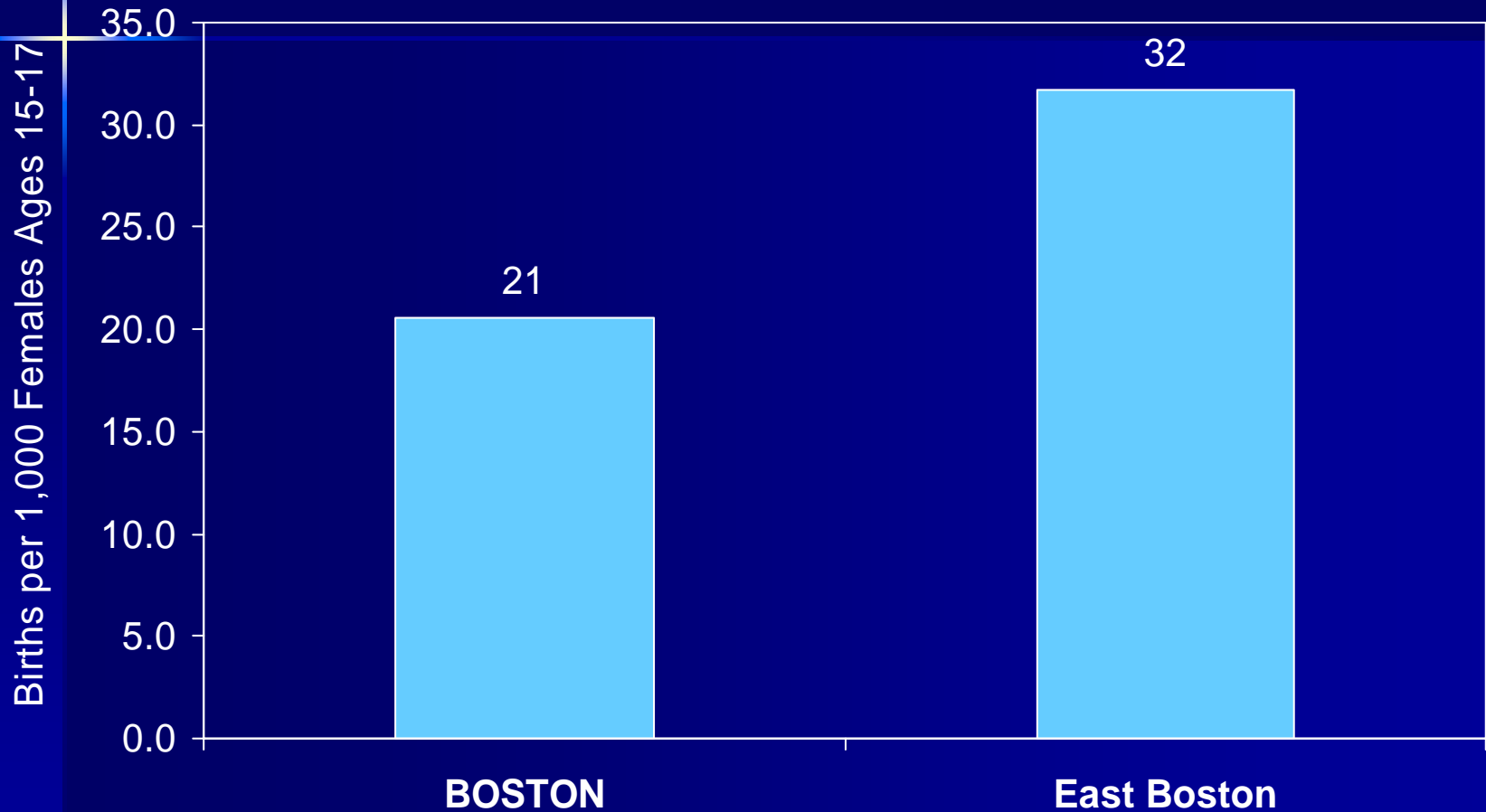
DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office

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



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

Ages 1-9	Ages 10-17	Ages 18-24
1. Bronchitis/Asthma	Pregnancy	Pregnancy
2. Simple Pneumonia*	Injury	Substance Abuse
3. Nutritional & Metabolic Disorder	Psychoses	Psychoses
4. Gastroenteritis	Appendectomy	Injury
5. Appendectomy	n<5	n<5

*Includes Pleurisy

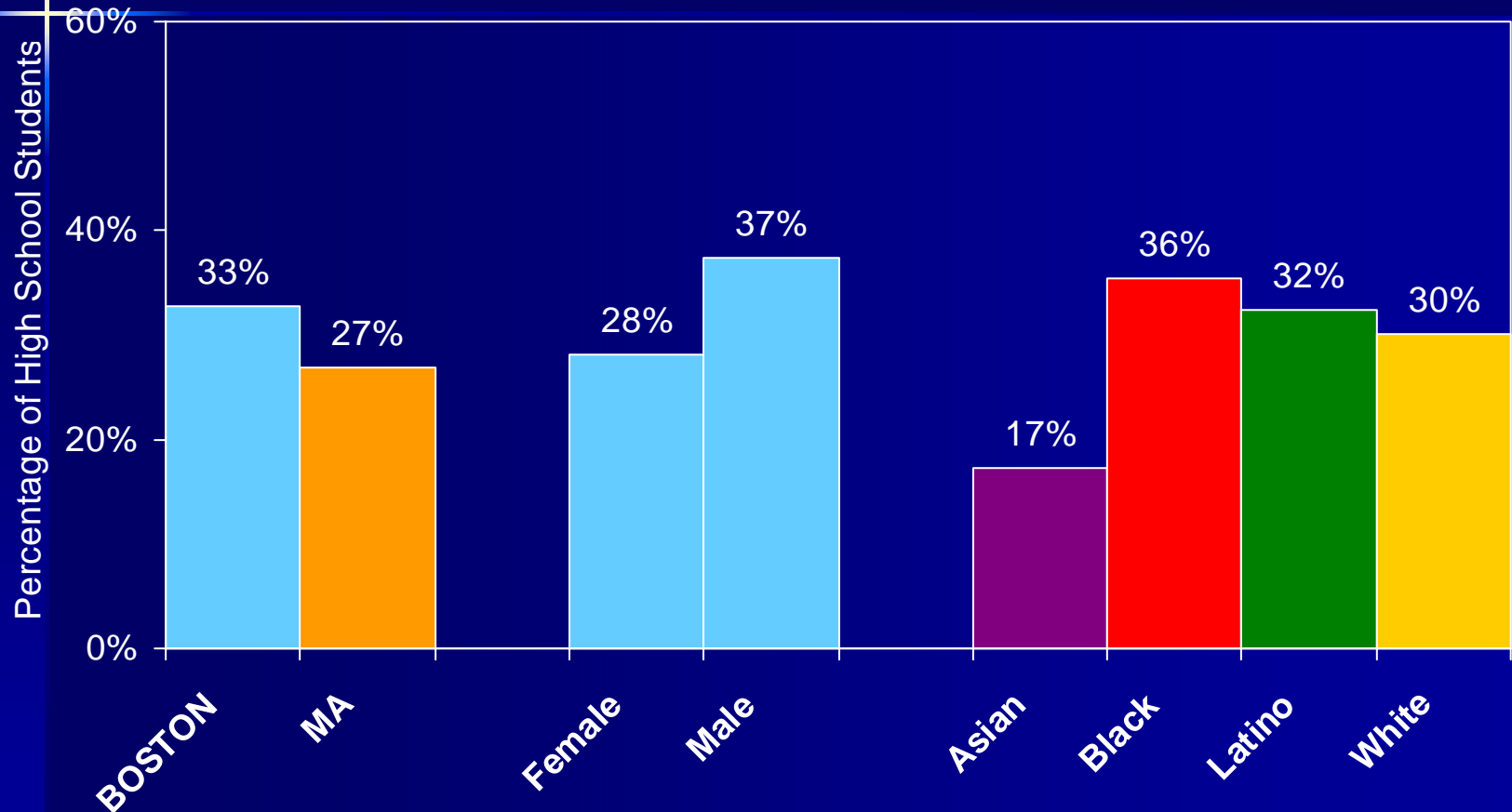
DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy

DATA ANALYSIS: Boston Public Health Commission Research Office

OVERWEIGHT and OBESITY

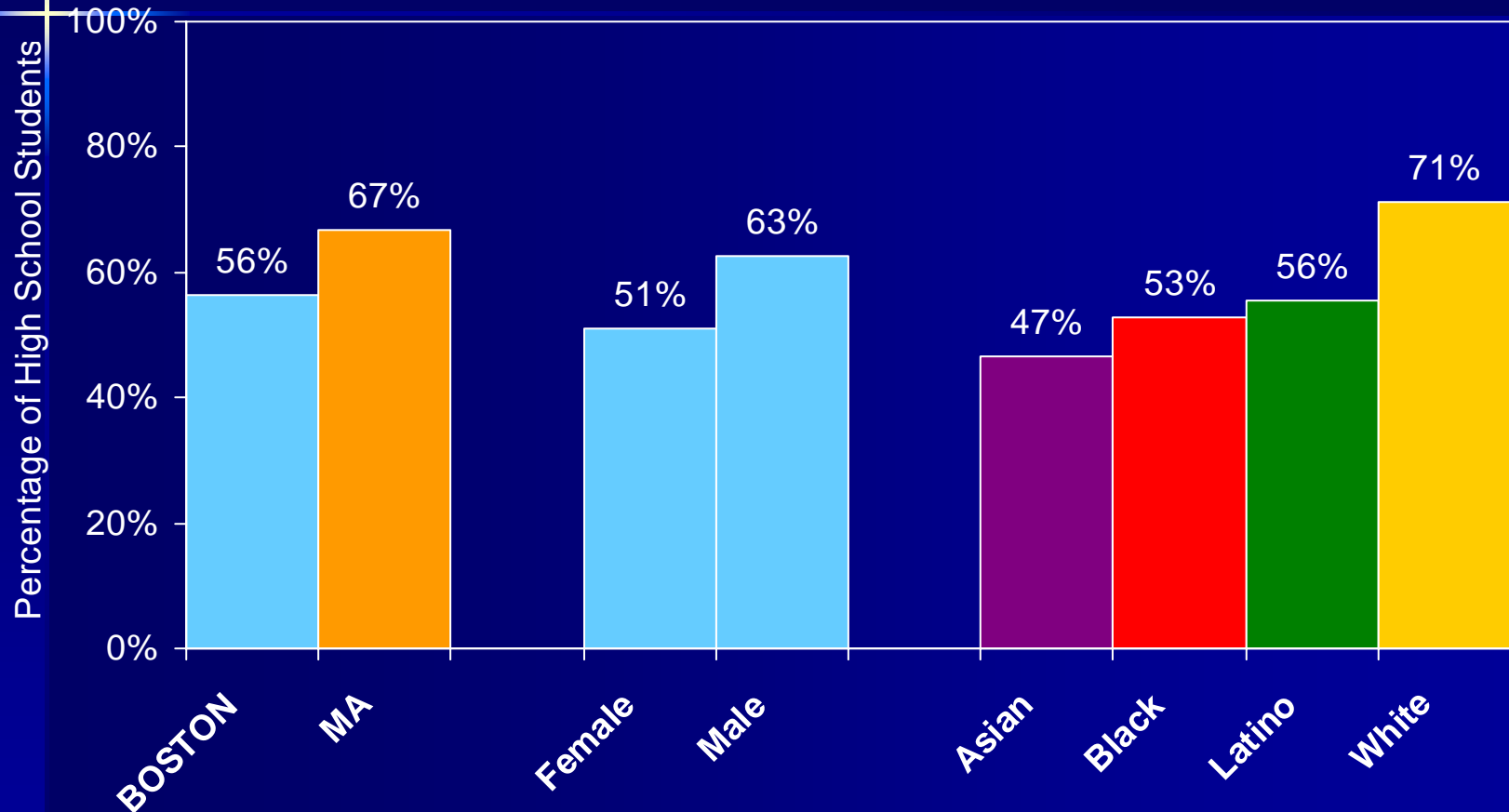


At Risk for Overweight or Overweight/Obese, High School Students Boston, 2005



DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office

Adequate Exercise/Physical Activity High School Students, Boston, 2005

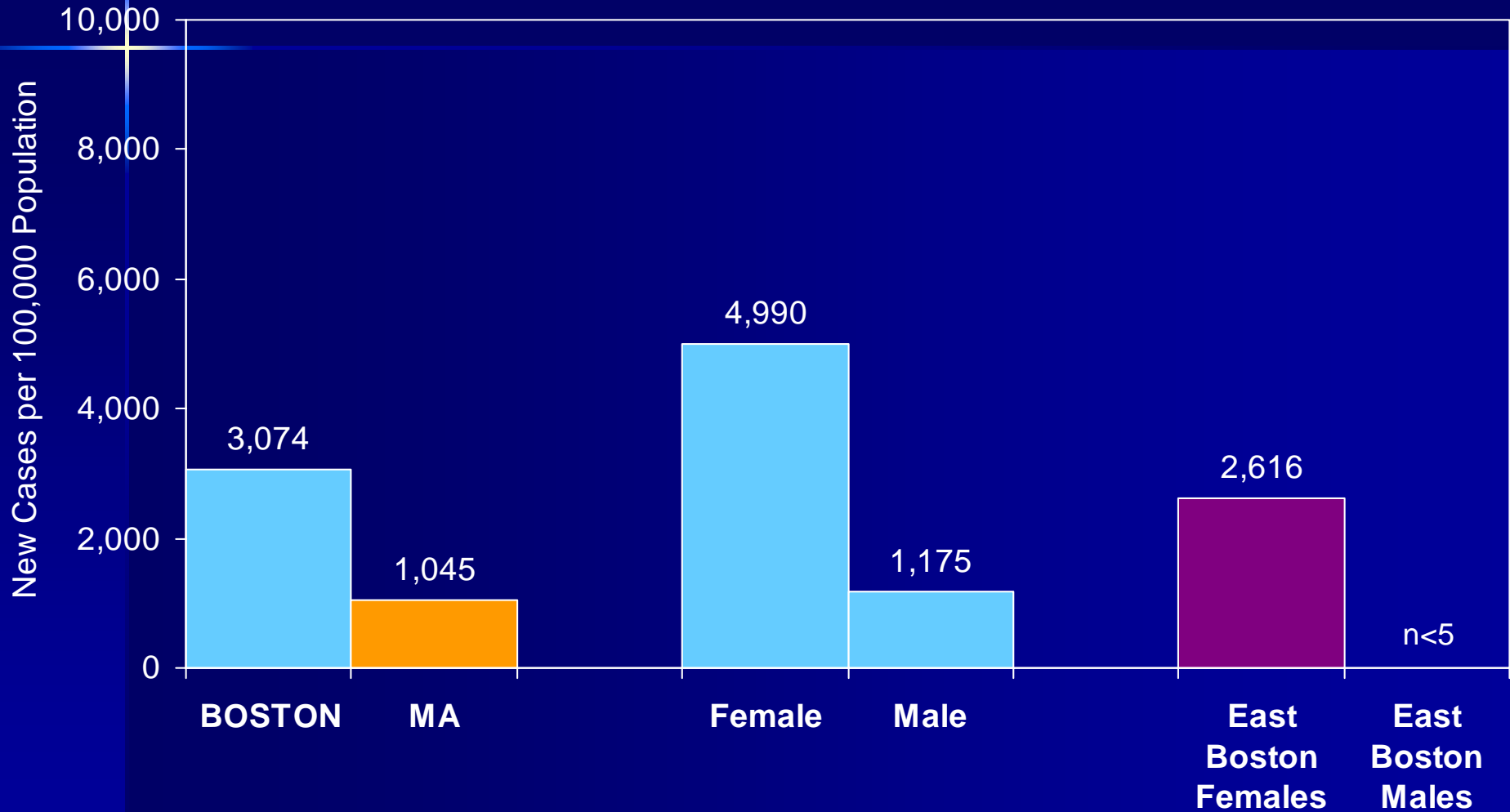


DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office



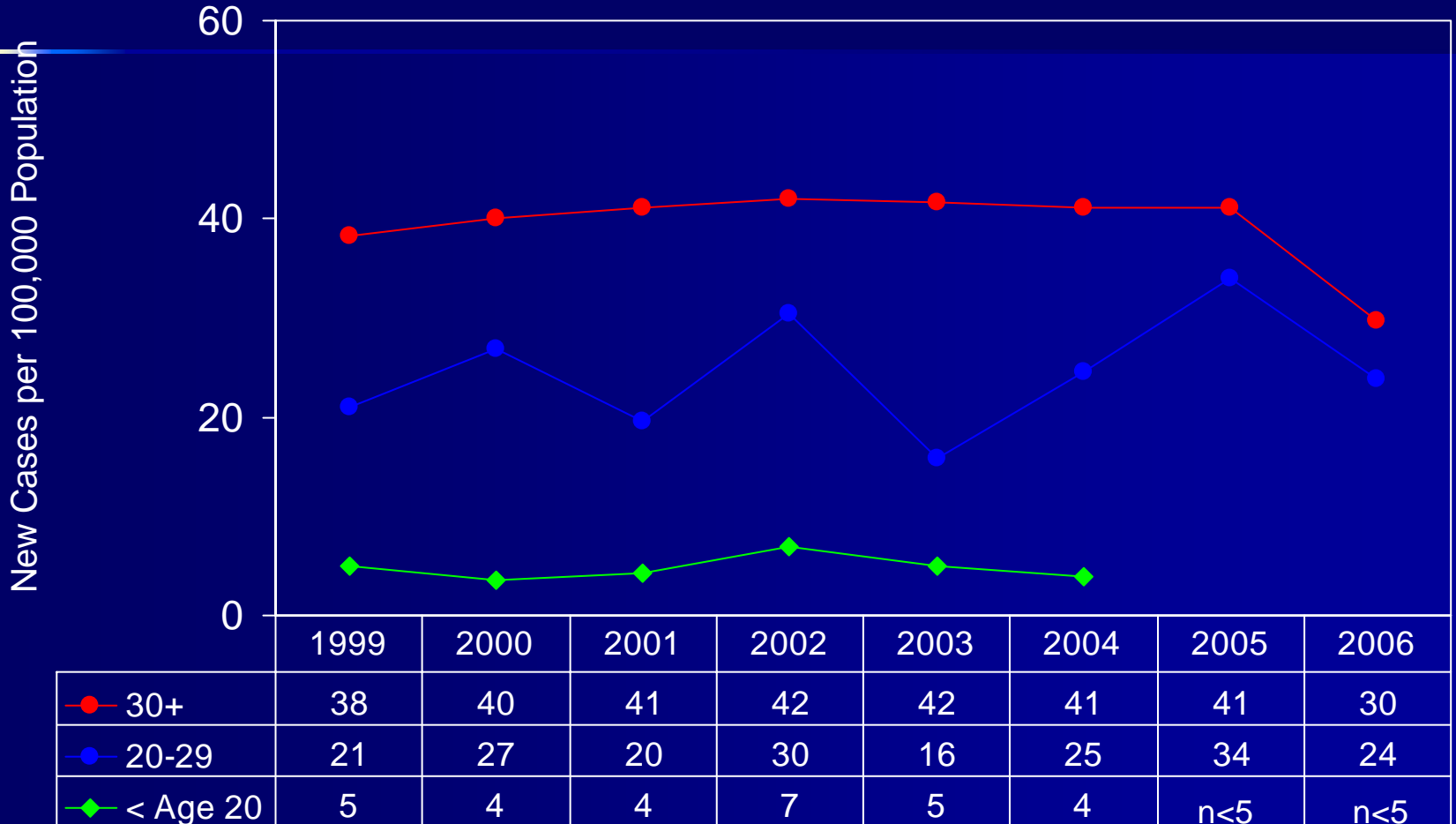
INFECTIOUS DISEASE

Chlamydia Incidence Rates in Ages 15-18 by Sex, Boston, and East Boston, 2006



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



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