

# Community Youth Meetings 2007

## Health Status Report of Youth: Dorchester

October 22, 2007

Presented by the Boston Public Health  
Commission

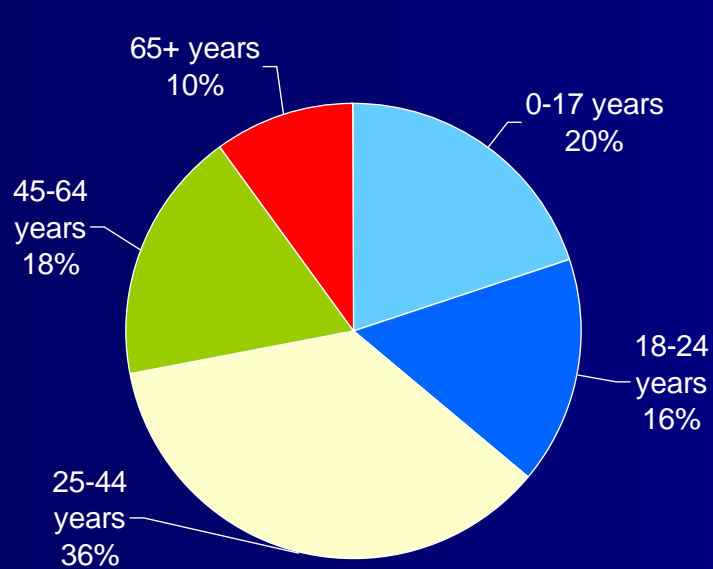


# Boston Neighborhoods

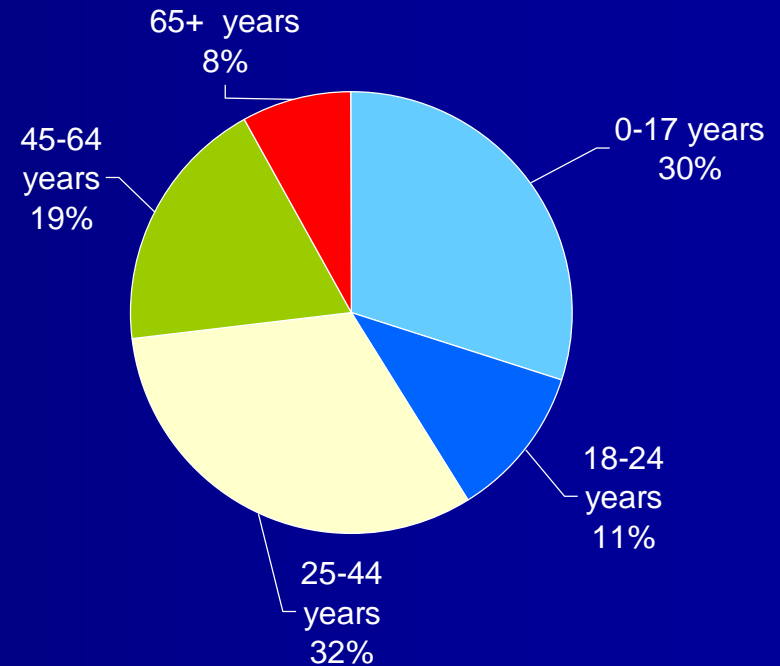


MAP PREPARATION:  
Boston Public Health Commission  
Research Office

# Population by Age Group: Boston and Dorchester, 2000



**Boston**



**Dorchester**

# Selected Socioeconomic Indicators Boston Overall and Dorchester, 2000

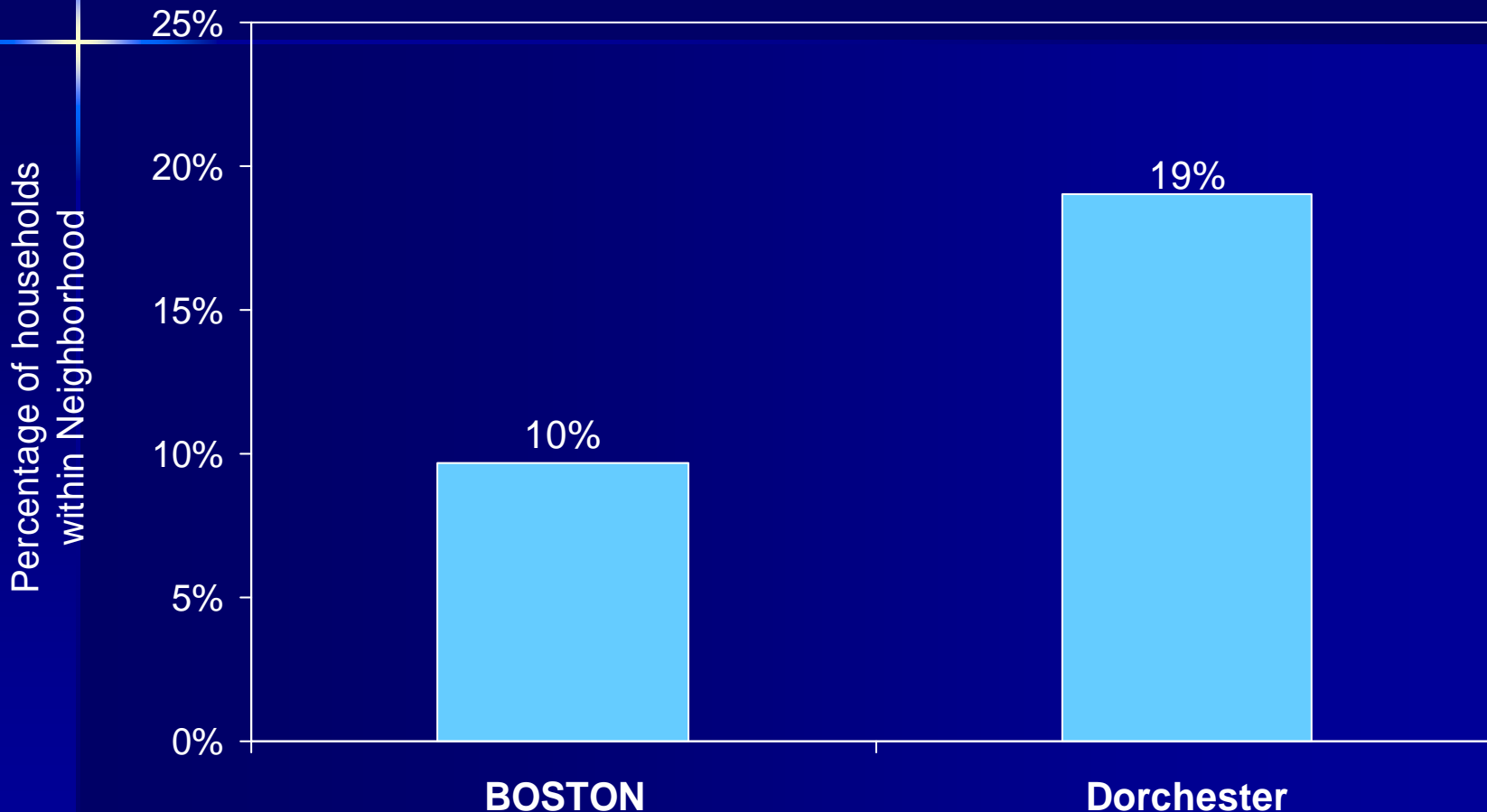
<b>Indicator</b>	<b>Boston</b>	<b>Dorchester</b>
<b>% Population with Less than High School Diploma or GED (Adults Ages 25 and Over)</b>	21%	30%
<b>% Population Below Poverty Level*</b>	20%	21%
<b>% Children (Under 18) Below Poverty Level*</b>	26%	22%
<b>% Adults 65 and Older Below Poverty Level*</b>	18%	13%
<b>Median Household income*</b>	\$39,629	\$35,826

\*Based on 1999 income

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

DATA ANALYSIS: Boston Public Health Commission Research Office

# Female-Headed Households\* with Own Children Under Age 18, Dorchester, 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

# 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 <sup>th</sup> Grade “Risk Factors”	26%	34%
Students with Multiple 9 <sup>th</sup> 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%
<b>Total Students</b>	<b>4,041</b>				



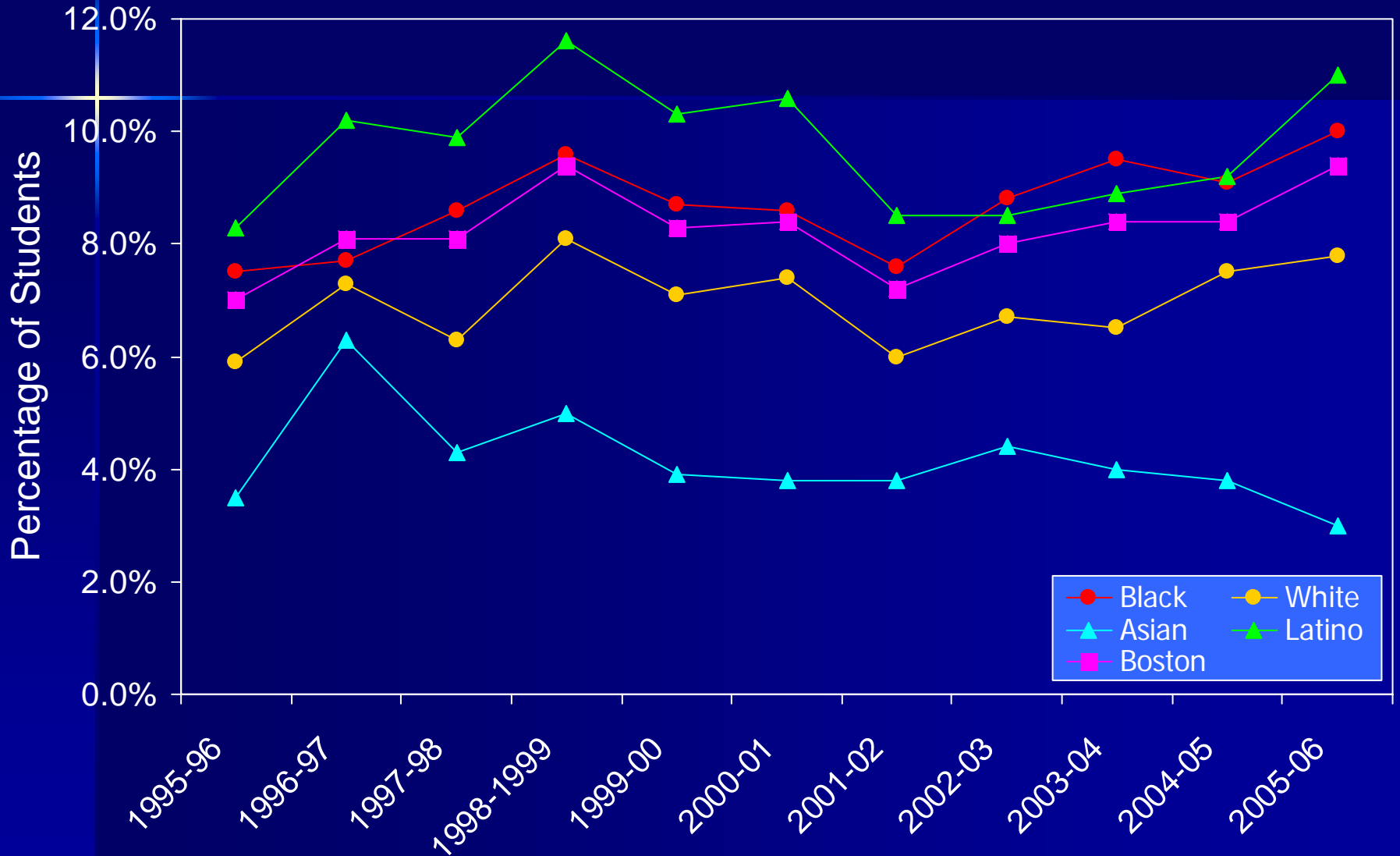
# Grade Level 10 2007 MCAS Results for Mathematics in Boston

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%
<b>Total Students</b>	<b>3,950</b>				

DATA SOURCE: Massachusetts Department of Education, 2007

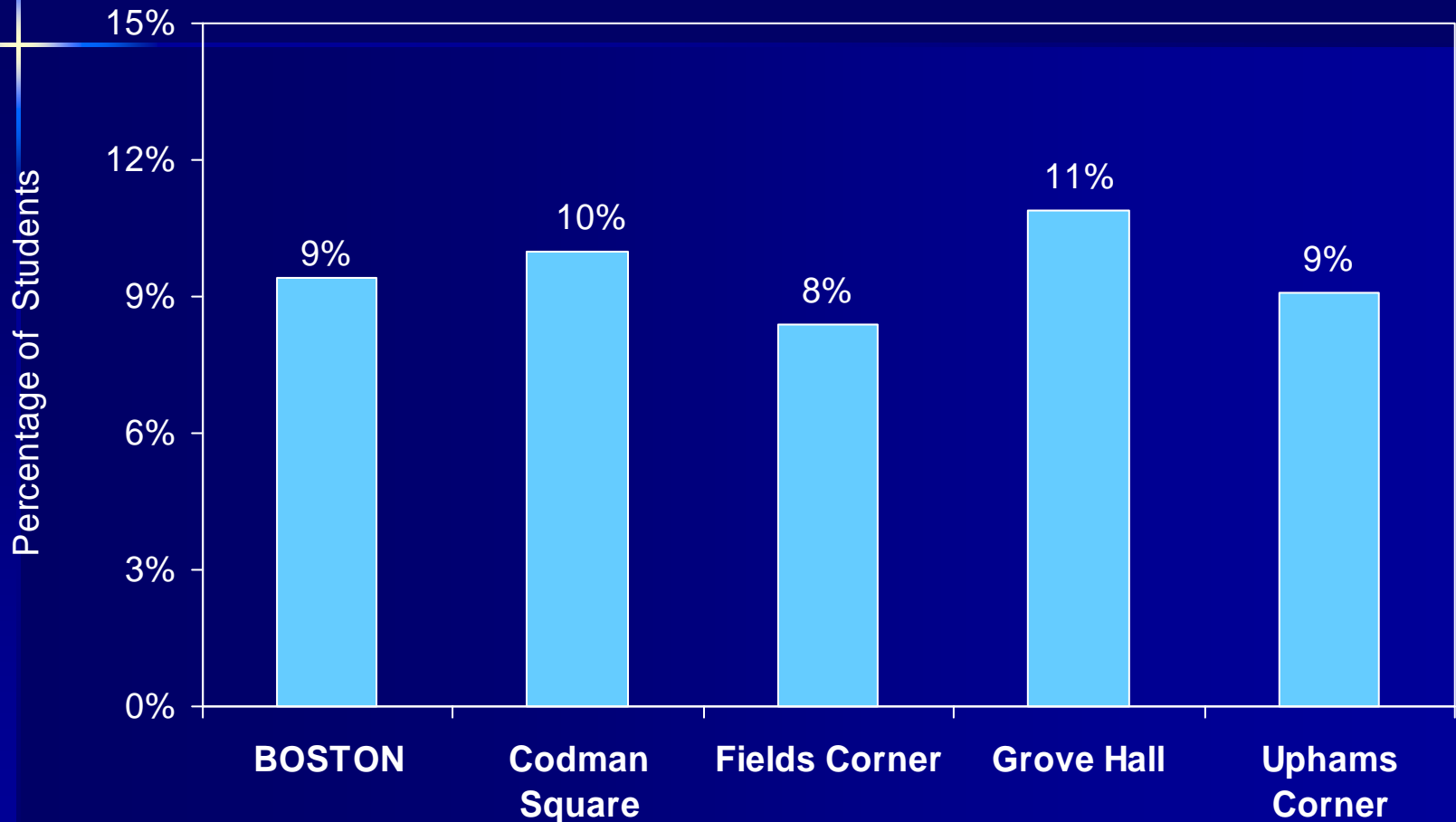
GRAPHIC: Boston Public Health Commission Research Office

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



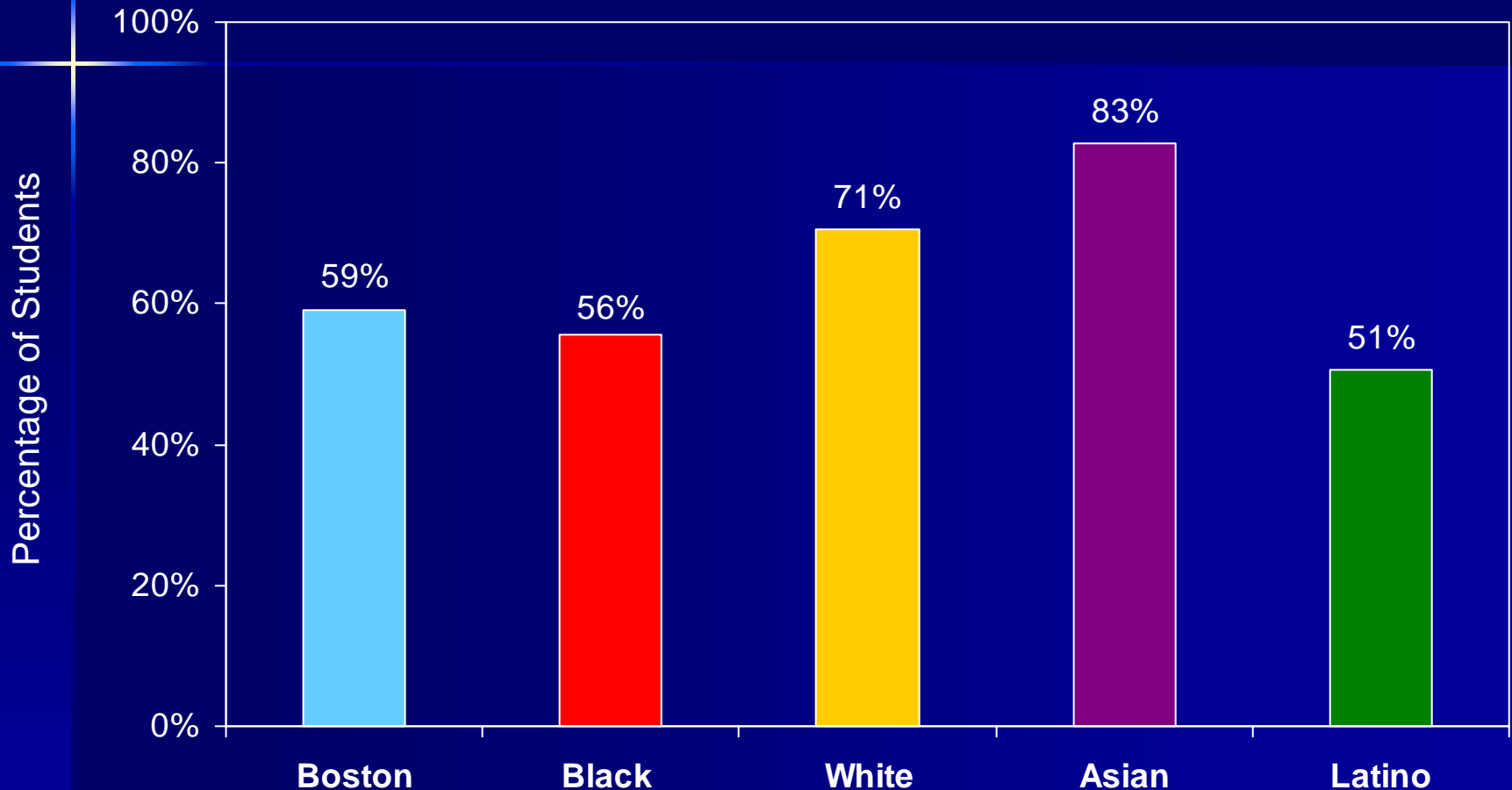
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout  
 GRAPHIC: Boston Public Health Commission Research Office

# Annual Dropout Rates in Grades 9-12 Boston and Dorchester Communities, 2005-2006



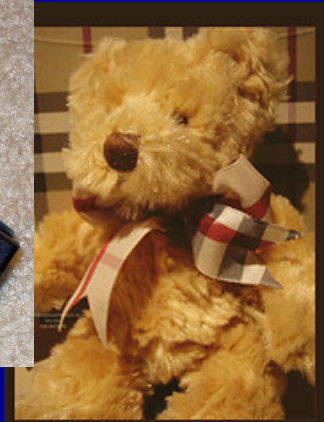
\*Boston Public School's definition of Dorchester excludes Lower Mills and Savin Hill.  
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout  
GRAPHIC: Boston Public Health Commission Research Office

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

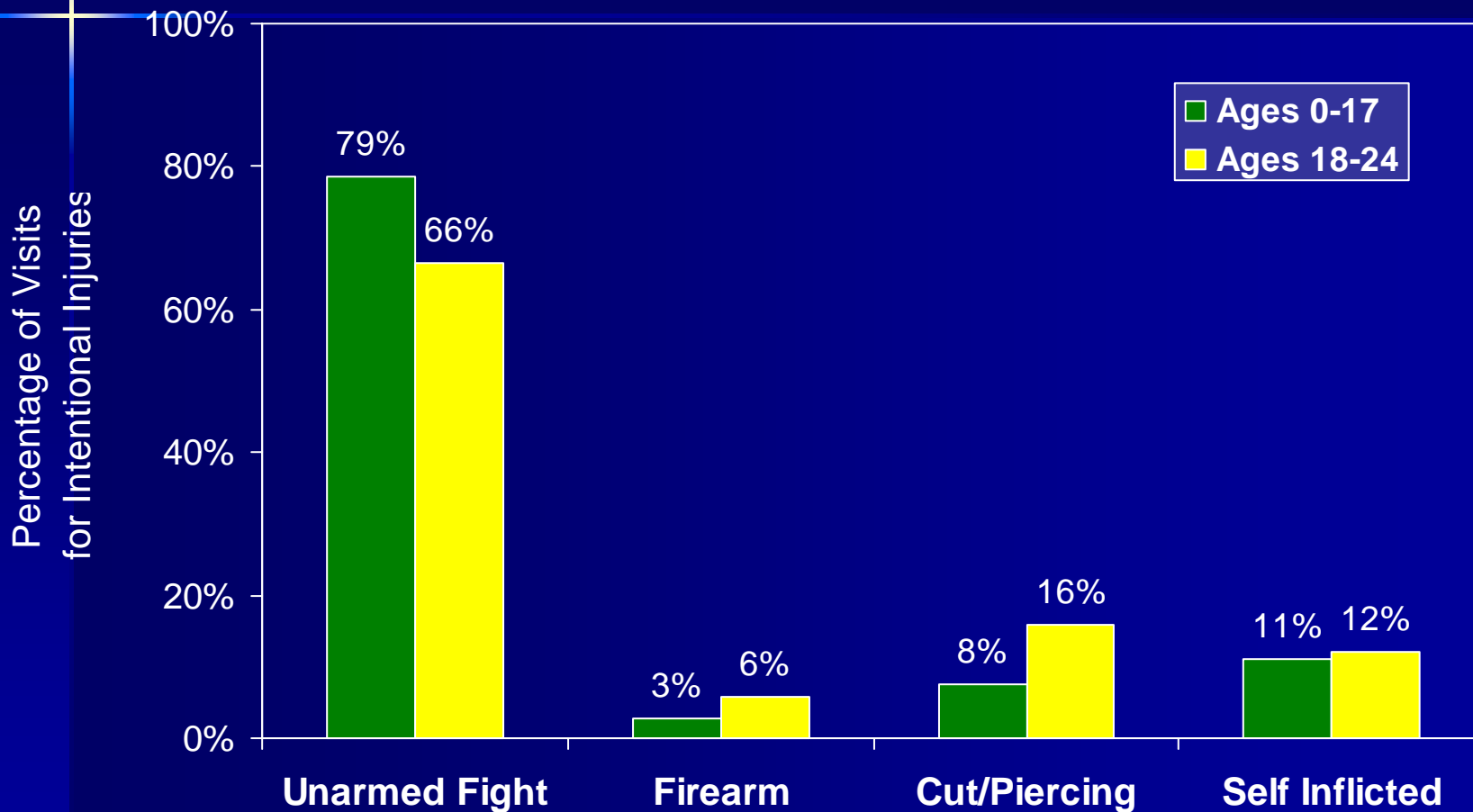


NOTES: Graduation rate Indicates the percentage of students who graduate with a regular high school diploma within 4 years.  
# of students in cohort who graduate in 4 years or less/ [# of 1<sup>st</sup> time entering 9<sup>th</sup> graders 4 years earlier] – transfers out + transfers in  
DATA SOURCE: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

# VIOLENCE and TRAUMA

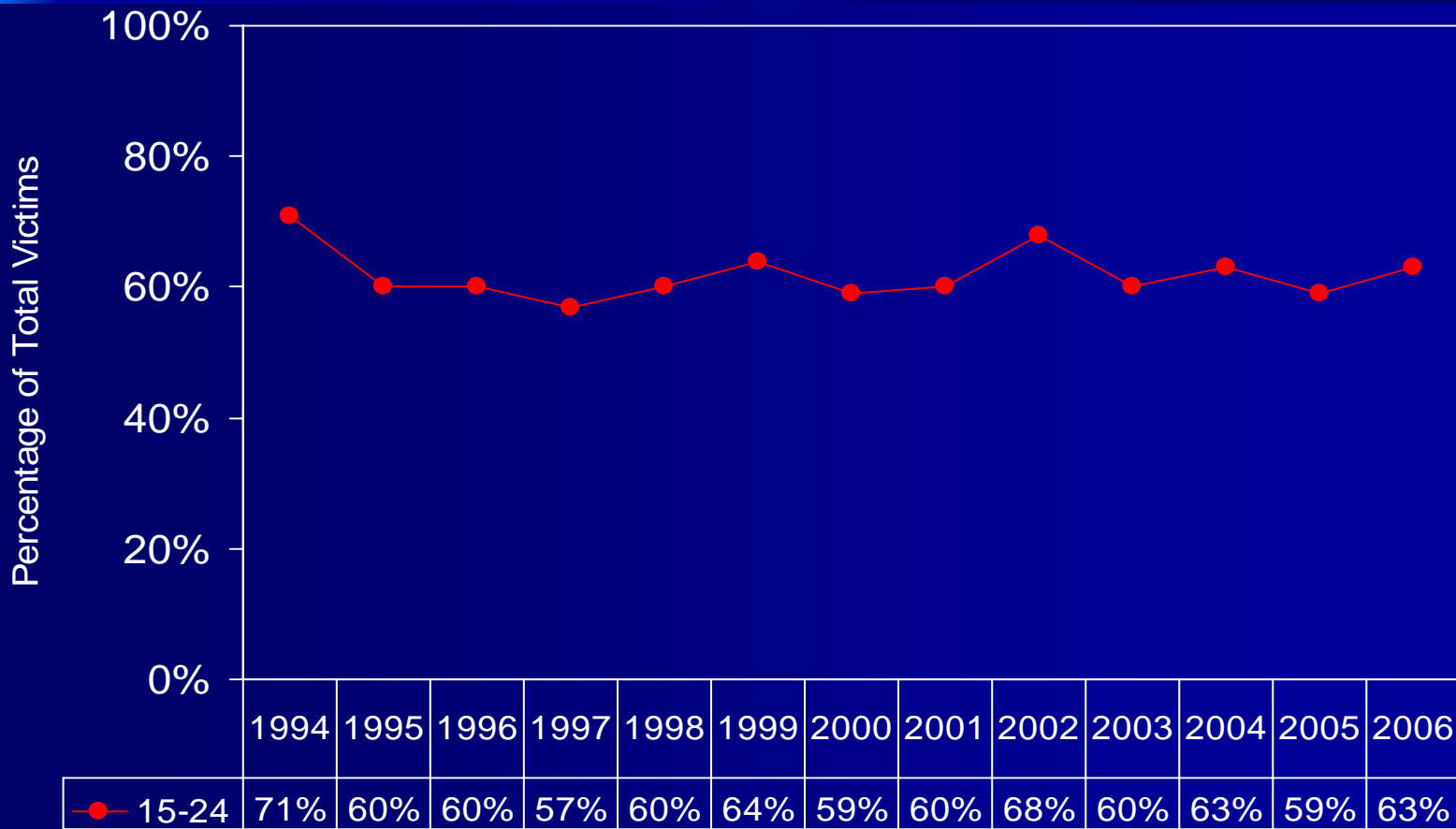


# Emergency Department Intentional Injury Visits by Age and Type, Dorchester, 2005



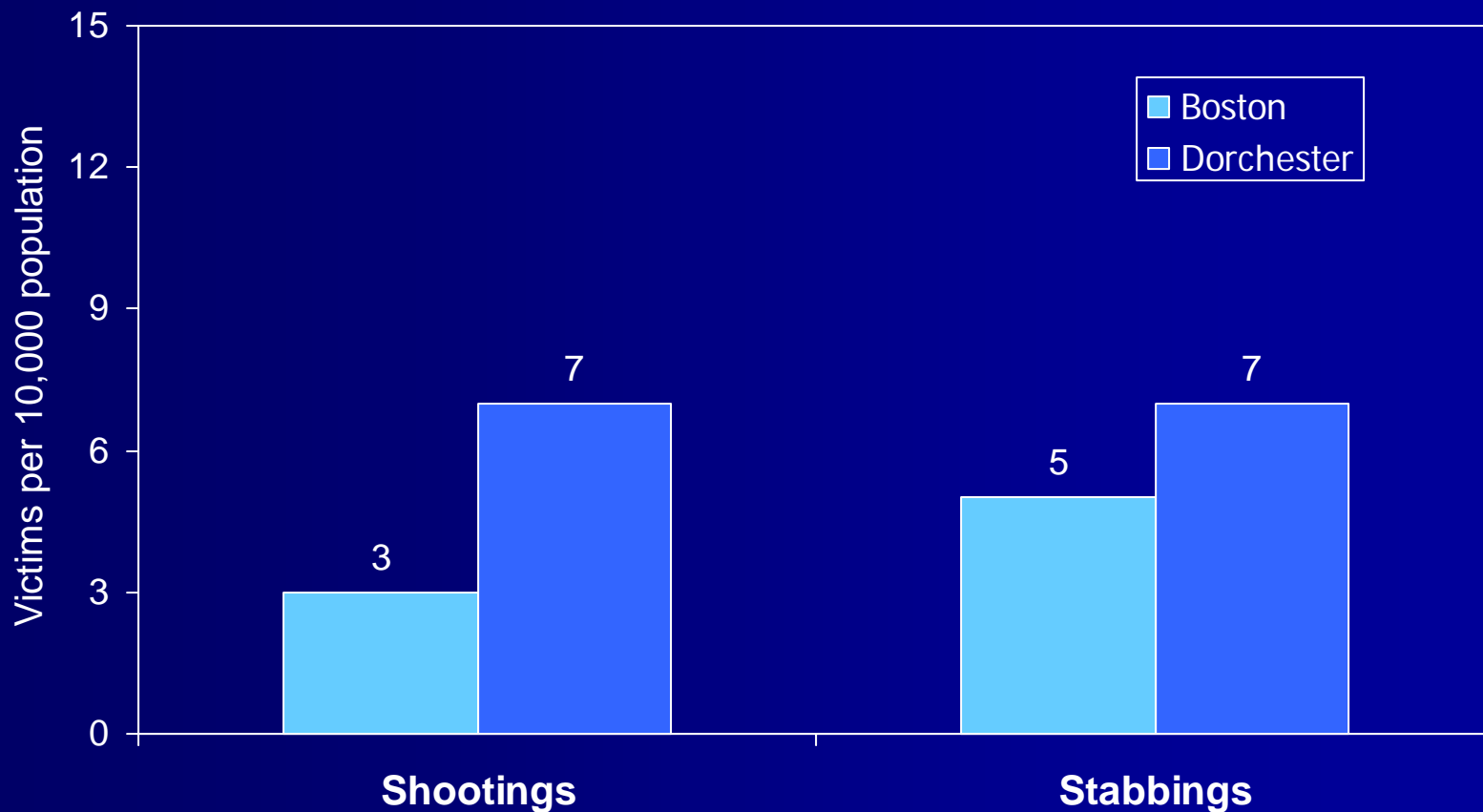
DATA SOURCE: Hospital Emergency Department Visit Data Base, Massachusetts Division of Health Care Finance and Policy  
DATA ANALYSIS: Boston Public Health Commission Research Office

# 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

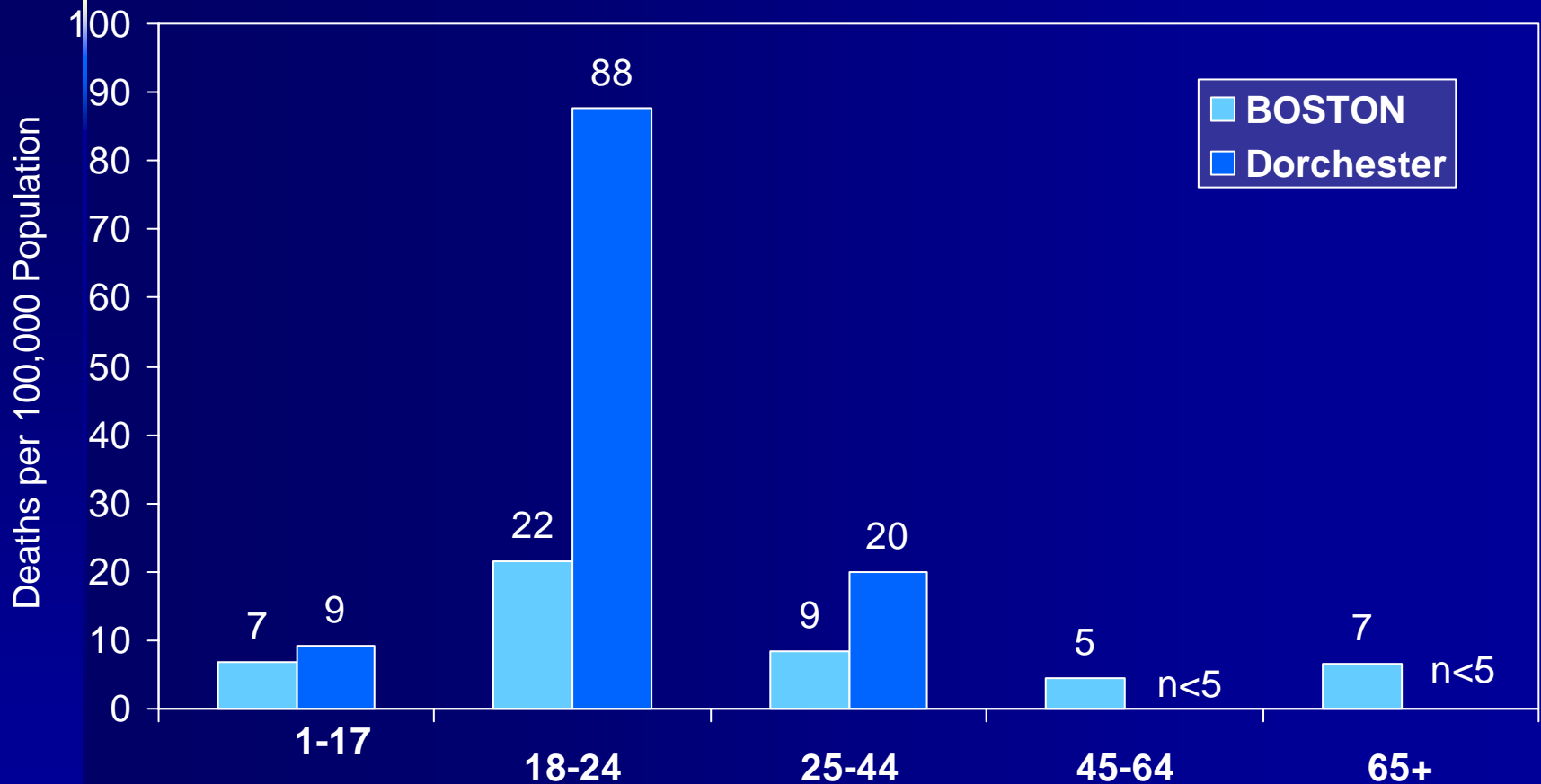
# Victims of Assault-Related Nonfatal Shootings and Stabbings, Boston and Dorchester, 2006



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



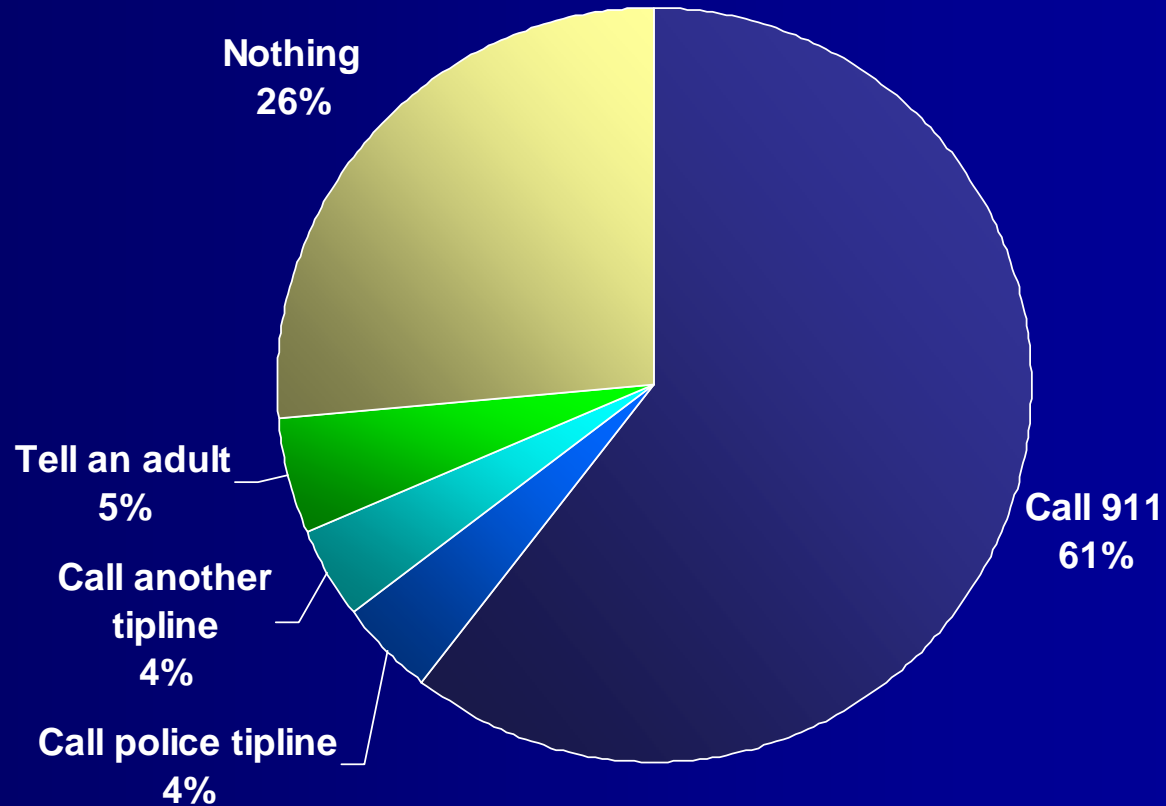
# Homicide Mortality: Age-Specific Rates Boston and Dorchester, 2003-2005



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

# 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

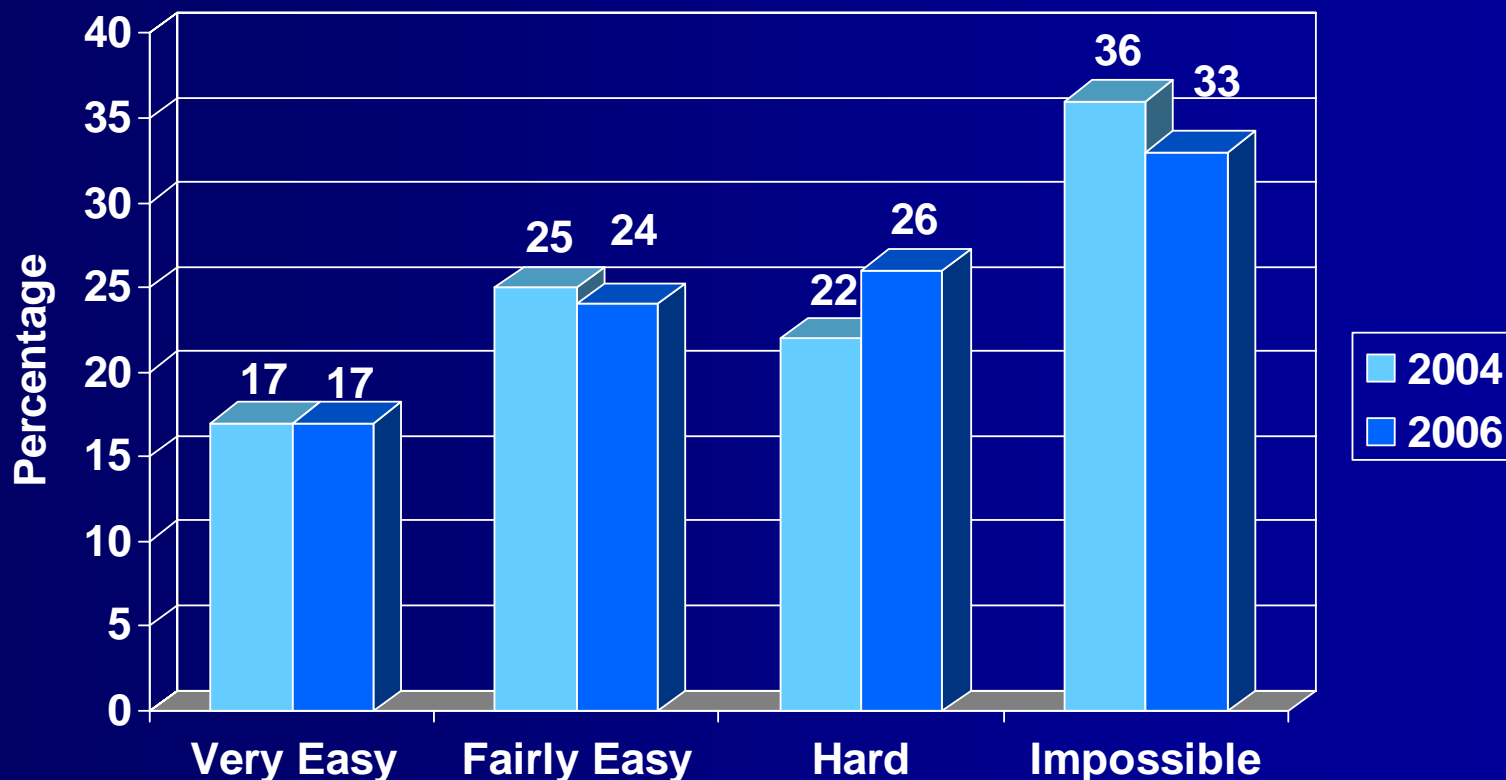
- Fear of getting hurt

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

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

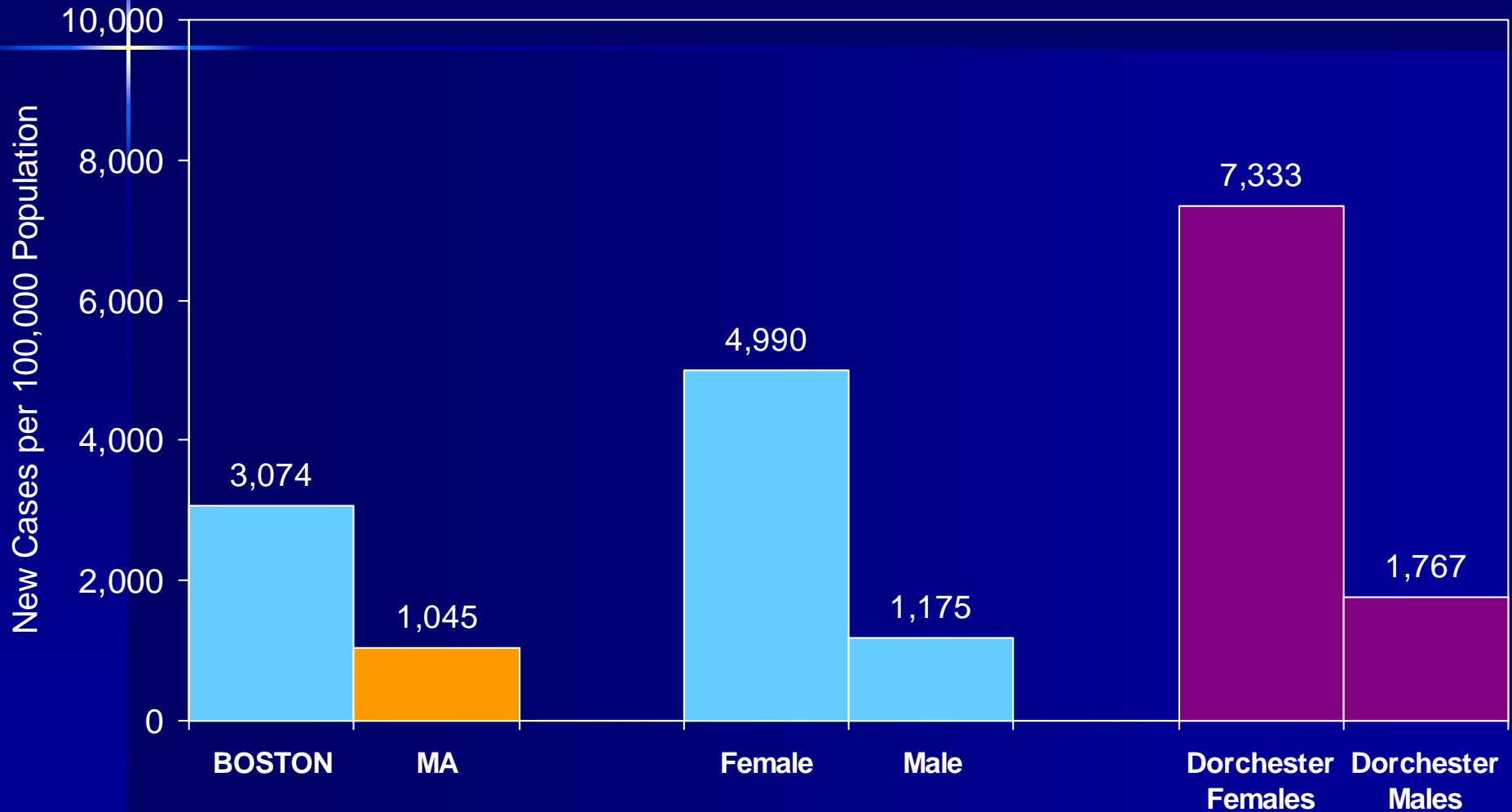
	Of Gun Carriers	Of Non-Gun Carriers
% Smoked Cigarettes – Past 30 Days	39.7	14.0
% Drank Alcohol – Past 30 Days	78.1	33.6
% Binged (5+ Drinks) – Past 30 Days	44.1	13.8
% Used Marijuana – Past 30 Days	76.0	18.6
% Poor Grades (Ds & Fs) - Past Year	35.4	15.1
% Lacking Adult Social Supports at School	38.8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



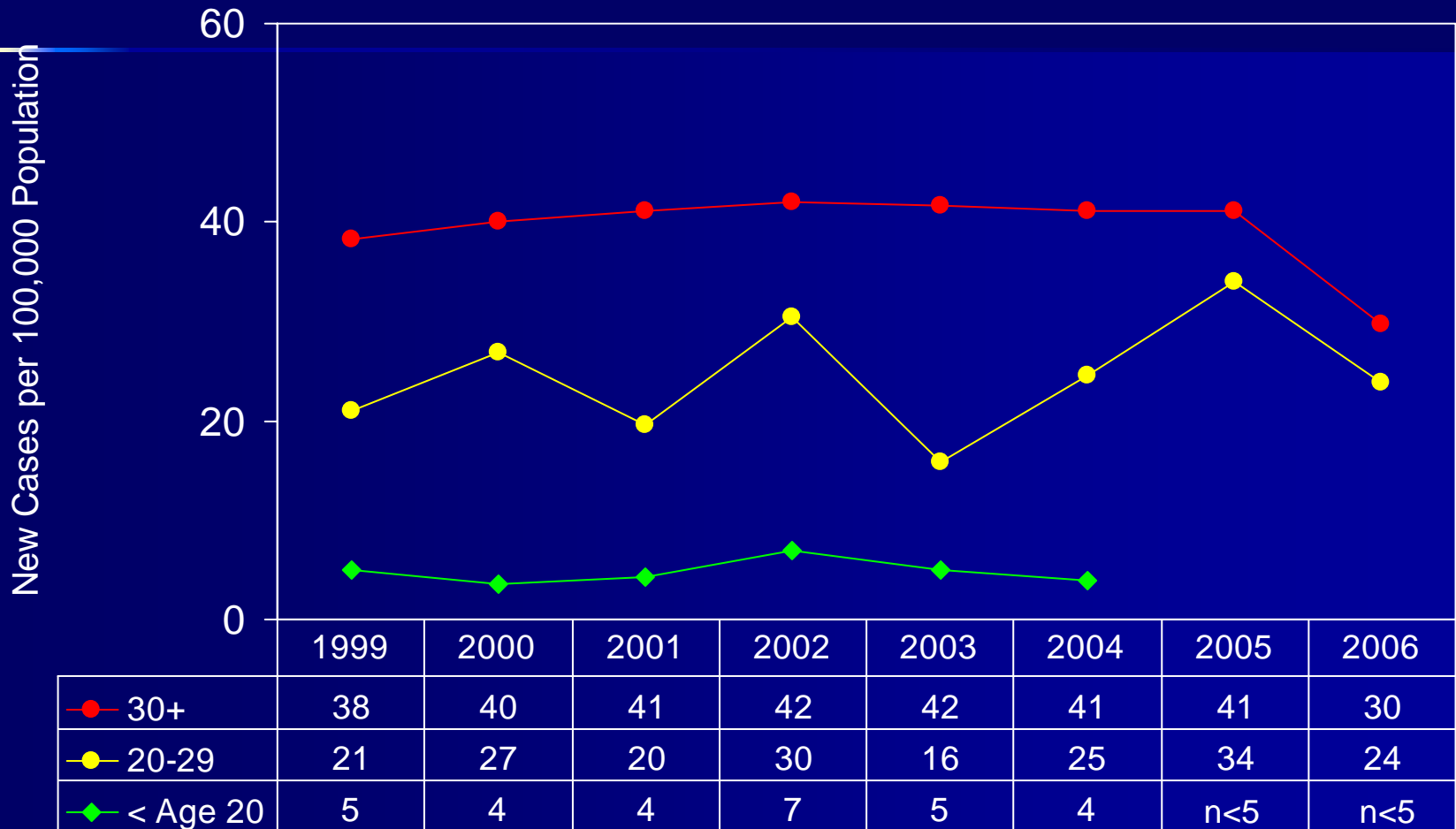
# INFECTIOUS DISEASE

# Chlamydia Incidence Rates in Ages 15-18 by Sex, Boston, and Dorchester, 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



# DORCHESTER: SUMMARY of MAJOR FINDINGS – CHALLENGES

- **Asthma Hospitalization** – Dorchester asthma hospitalization rates during 2004-2006 for children < age 5 and those ages 5-17 were 38% and 33% higher than for Boston children.
- **Low Birthweight Births** – In 2005, the LBW rate for Dorchester infants (13%) was about a third higher than for Boston infants overall (10%). The LBW rate for Field's Corner (16%) and Uphams Corner (14%) were the highest among Dorchester communities.
- **Chlamydia Incidence Rate** - In 2006, the Chlamydia incidence rate for Dorchester females ages 15-18 (7,333 new cases per 100,000 pop.) was 2.4 times higher than the rate for Boston females ages 15-18 (3,074) and 4 times higher than the rate for Dorchester males (1,767).
- **Assault-Related Nonfatal Shootings and Stabbings** – The Dorchester rate of nonfatal gunshot victims (7 shootings per 10,000 pop.) was more than twice the overall Boston rate (3 shootings per 10,000) in 2006.
- **Homicide Rate** – The homicide rate for Dorchester young adults ages 18-24 (88 deaths per 100,000 pop.) during 2003-2005 was 4 times the Boston rate of 22 deaths per 100,000.

# **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

# Population by Age Group, Dorchester Communities, 2000

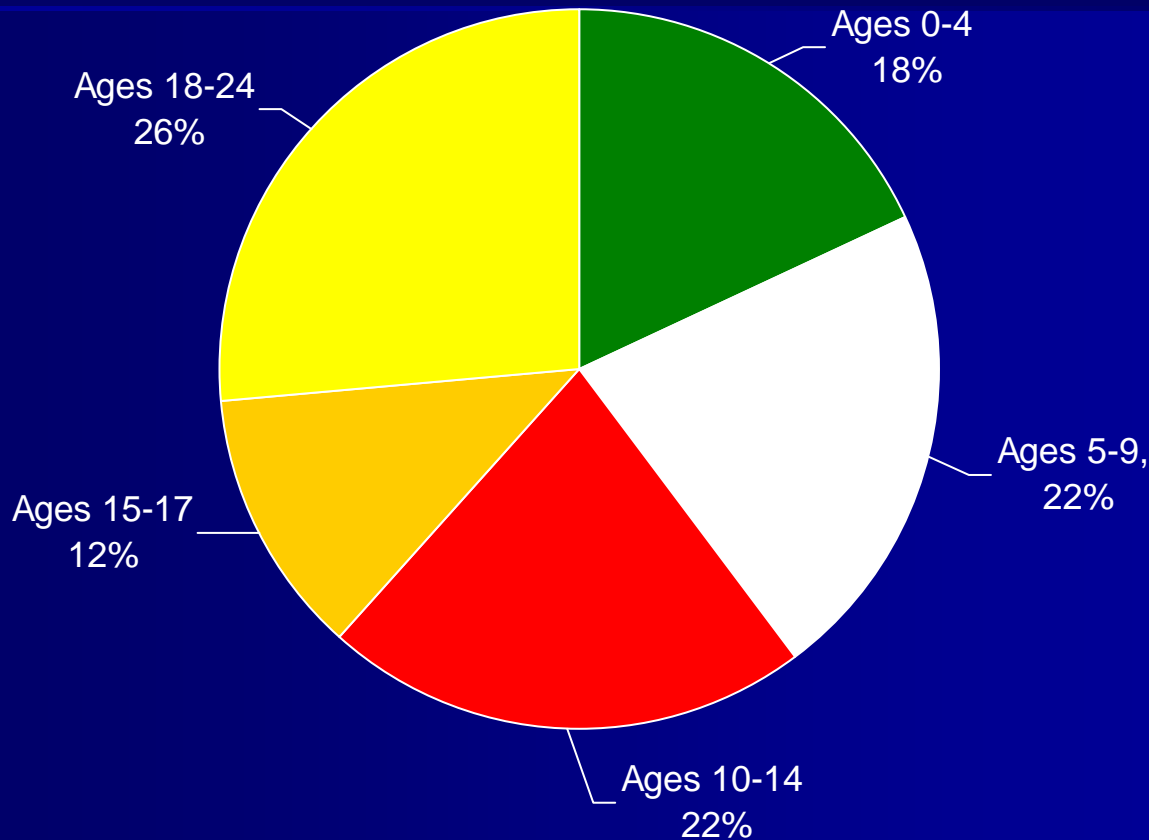
	Dorchester Overall	Codman Square/ Franklin Field	Fields Corner	Grove Hall*	Lower Mills/ Neponset	Savin Hill/ Harbor Point	Uphams Corner
<b>Total Population</b>	128,503	30,301	26,219	21,562	21,753	11,048	17,620
<b>Ages 0-17</b>	30%	33%	31%	37%	22%	23%	29%
<b>Ages 18-24</b>	11%	10%	11%	10%	9%	15%	11%
<b>Ages 25-44</b>	32%	31%	32%	30%	35%	37%	33%
<b>Ages 45-64</b>	19%	20%	19%	16%	20%	17%	18%
<b>Ages 65+</b>	8%	7%	7%	7%	14%	9%	9%

\*Dorchester section of the Grove Hall area

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

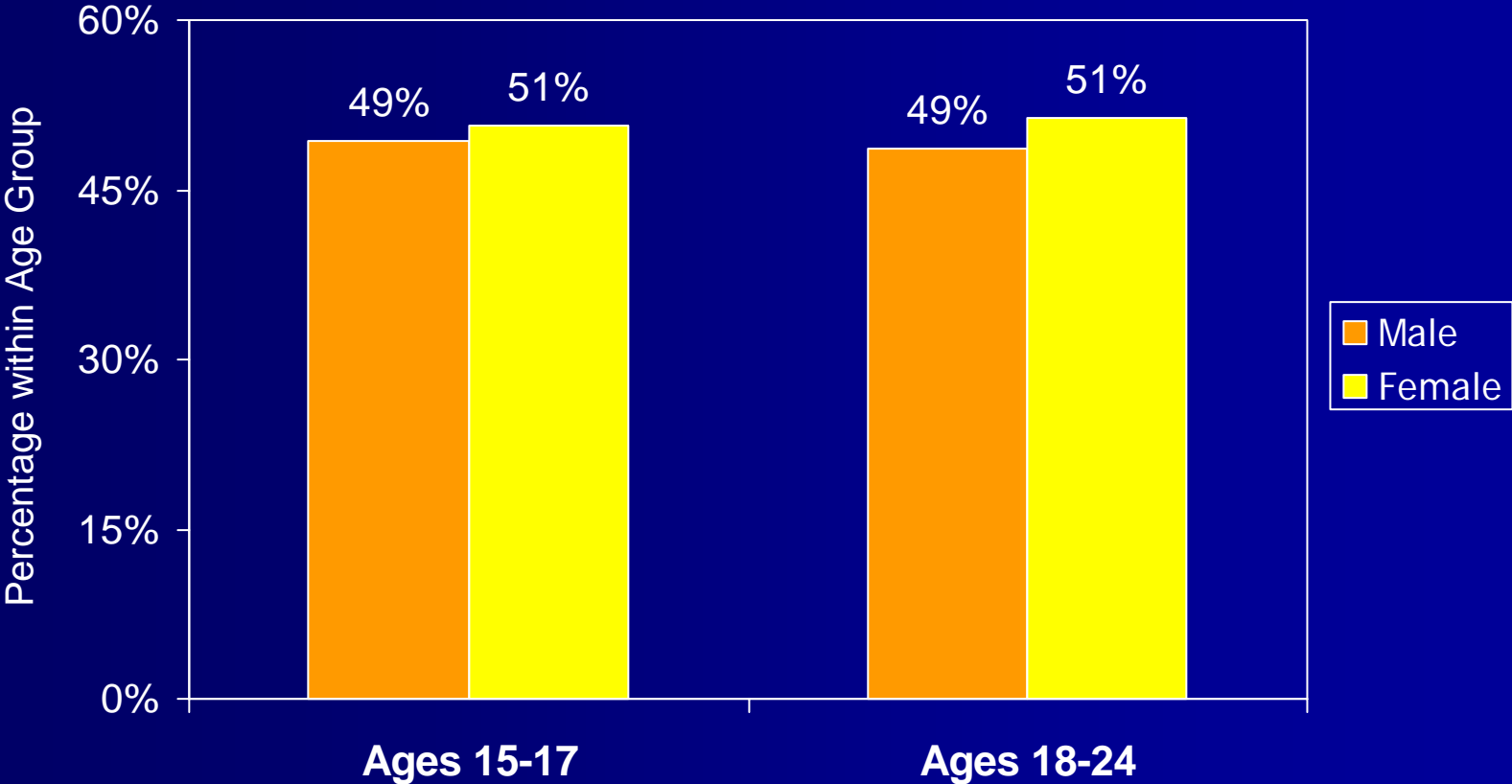
DATA ANALYSIS: Boston Public Health, Commission Research Office

# Youth and Young Adult Population by Age, Dorchester, 2000



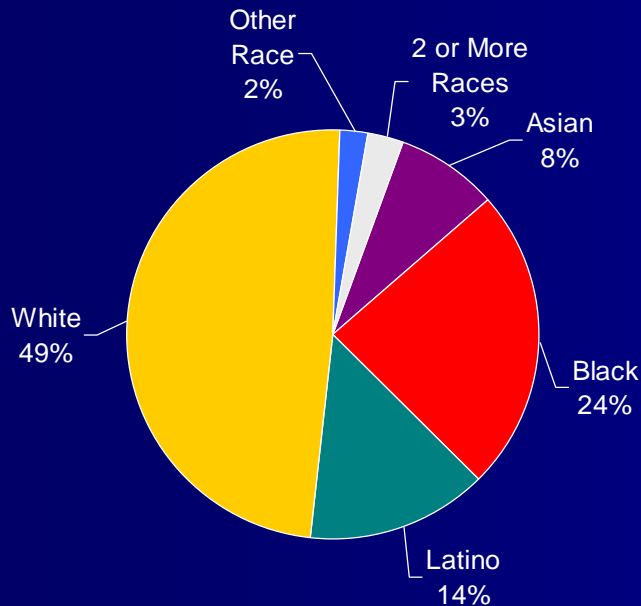
DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder  
DATA ANALYSIS: Boston Public Health Commission Research Office

# Youth and Young Adult Population by Gender, Dorchester, 2000

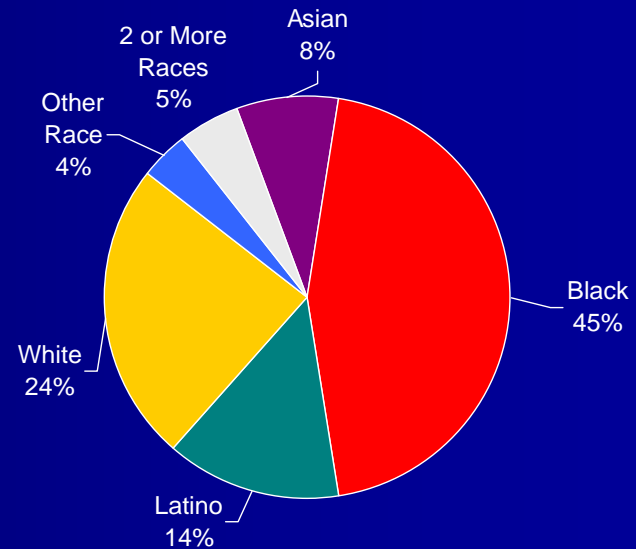


DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder  
DATA ANALYSIS: Boston Public Health Commission Research Office

# Racial and Ethnic Makeup: Boston and Dorchester, 2000

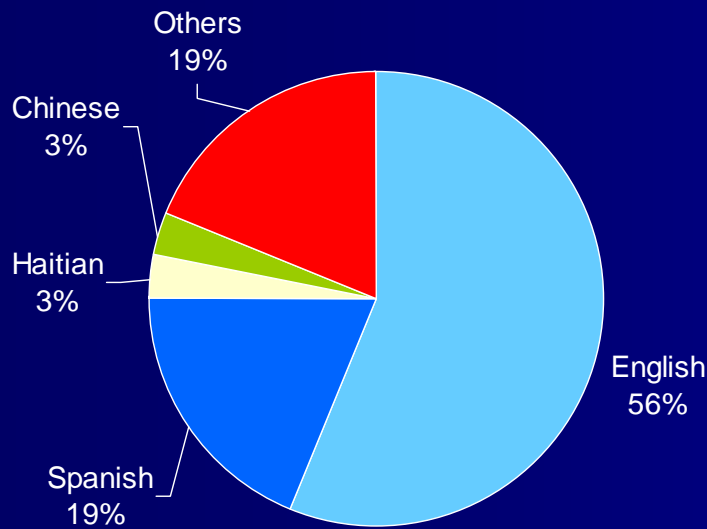


**Boston**

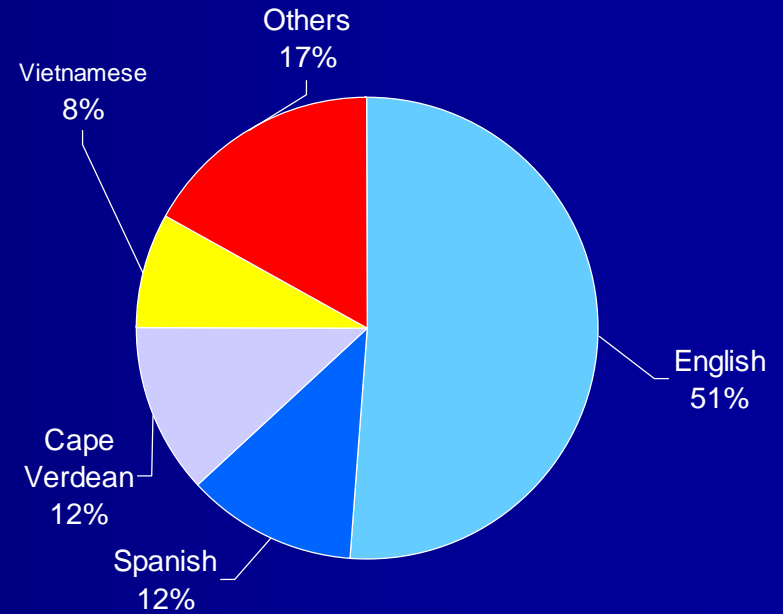


**Dorchester**

# Language Spoken at Home by Students Boston and North Dorchester, 2005



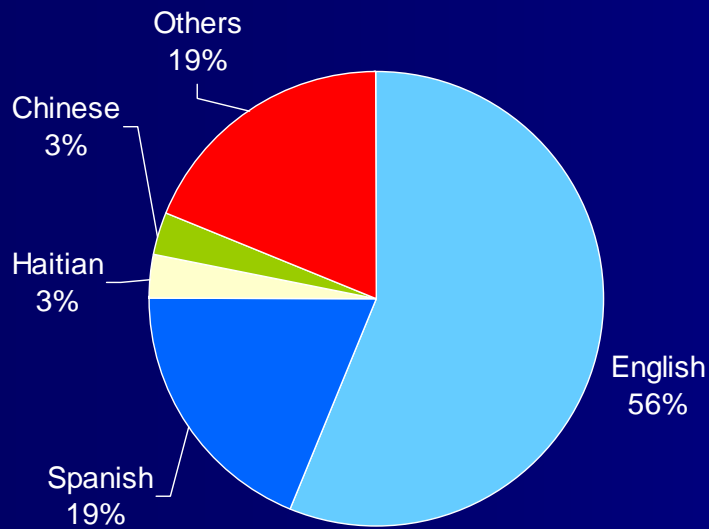
**Boston**



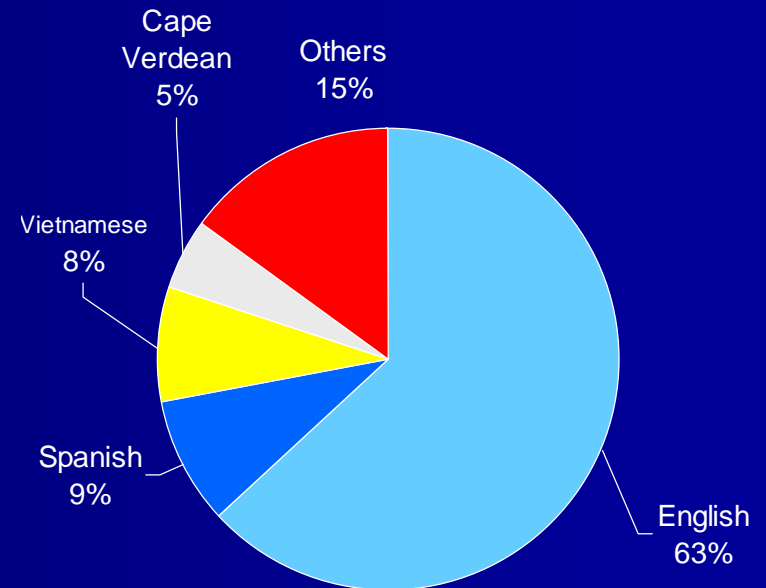
**North Dorchester**



# Language Spoken at Home by Students Boston and South Dorchester, 2005



**Boston**



**South Dorchester**

# Population by Race/Ethnicity, Dorchester Communities, 2000

Race/ Ethnicity	Dorchester Overall	Codman Square/ Franklin Field	Fields Corner	Grove Hall*	Lower Mills/ Neponset	Savin Hill/ Harbor Point	Uphams Corner
<b>Total Population</b>	128,503	30,301	26,219	21,562	21,753	11,048	17,620
<b>White</b>	24%	7%	19%	2%	60%	49%	26%
<b>Black</b>	45%	72%	41%	65%	23%	15%	30%
<b>Latino</b>	14%	13%	14%	23%	4%	10%	18%
<b>Asian</b>	8%	3%	13%	0.4%	8%	22%	7%
<b>Other Race**</b>	4%	2%	7%	5%	1%	2%	11%
<b>Two or More Races</b>	5%	4%	6%	5%	3%	3%	8%

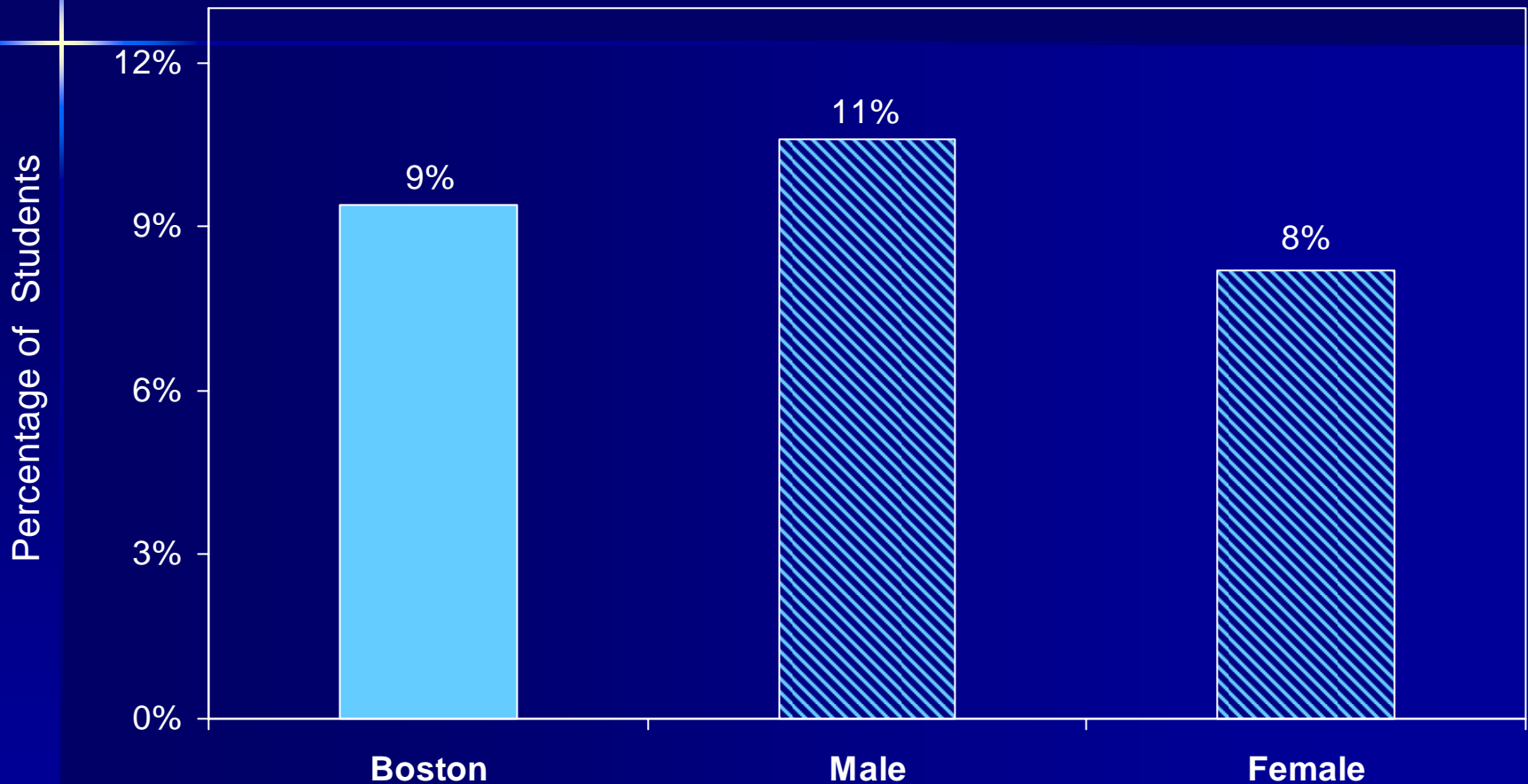
\*Dorchester section of the Grove Hall area

\*\*"Other race" includes Native Hawaiians/Other Pacific Islanders, Alaskan Indians, and Other Races

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

DATA ANALYSIS: Boston Public Health, Commission Research Office

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



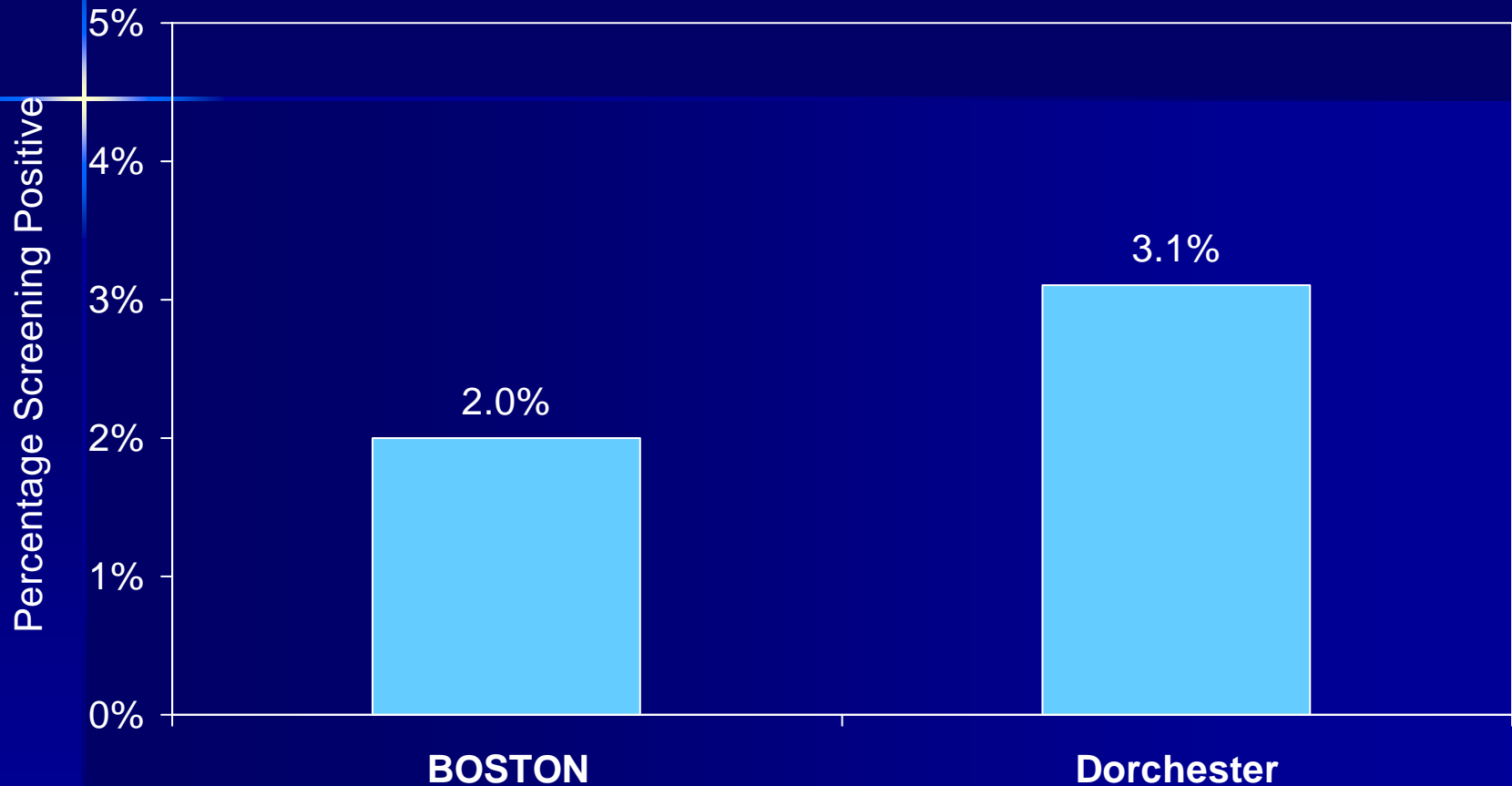
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout  
GRAPHIC: Boston Public Health Commission Research Office

# ENVIRONMENTAL LEAD

ASTHMA



# Children with Elevated Blood Lead Levels Boston and Dorchester, 2006



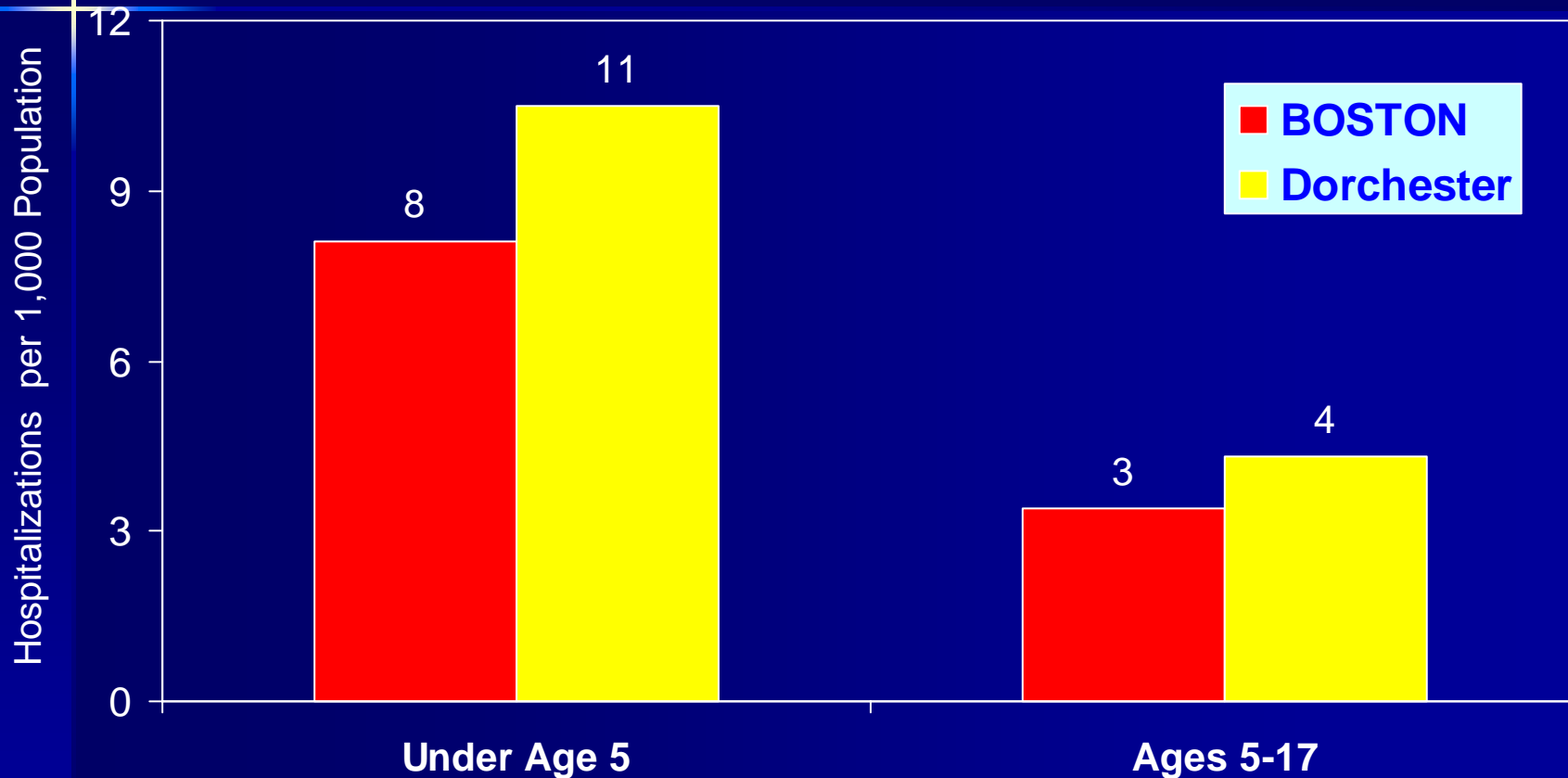
NOTE: The data shown in the chart do not include those children whose neighborhood of residence is unknown nor those children who are not Boston residents.

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 Dorchester, 2004-2006

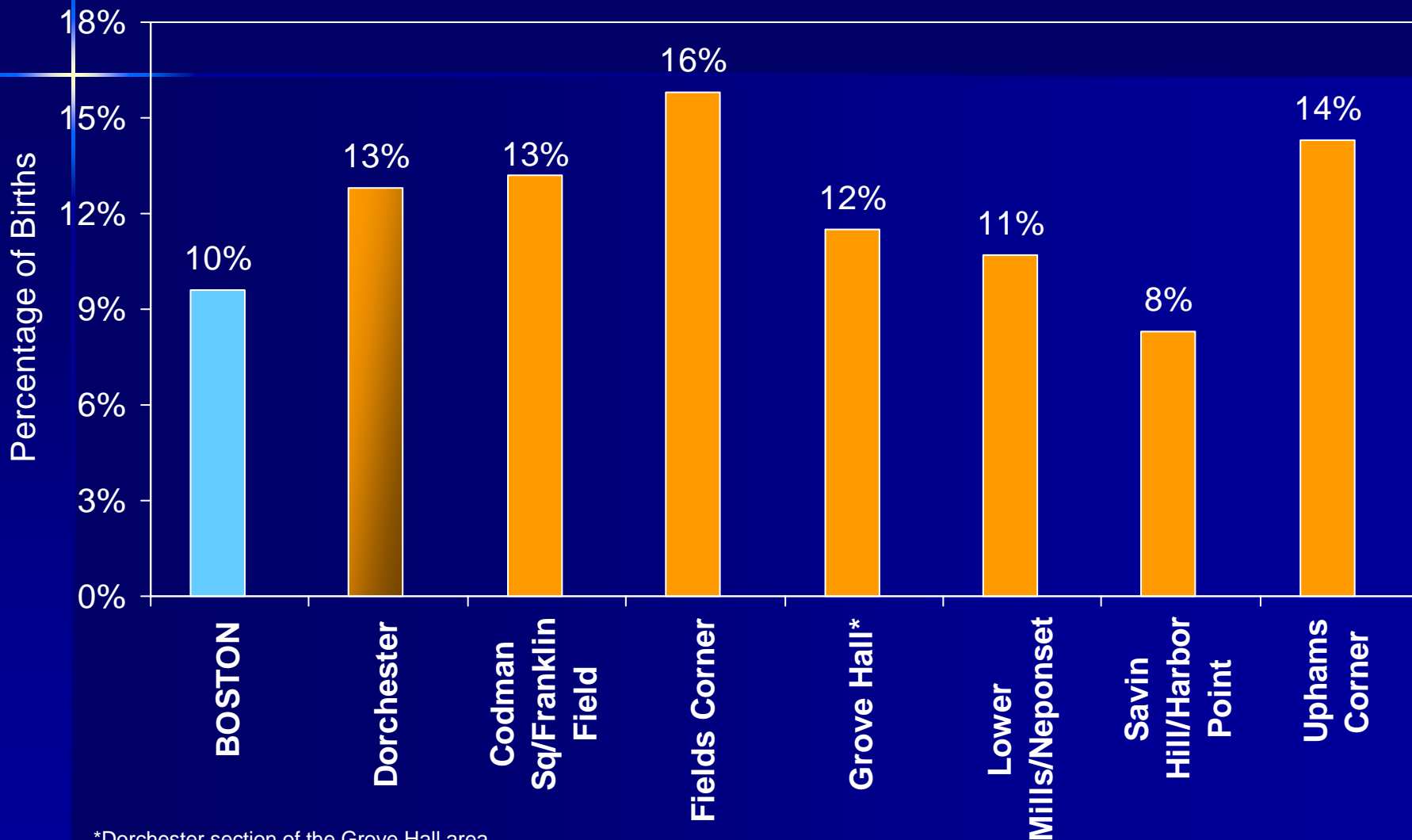


DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy  
DATA ANALYSIS: Boston Public Health Commission Research Office

# MATERNAL AND CHILD



# Low Birthweight, Boston, Dorchester and Dorchester Communities, 2005



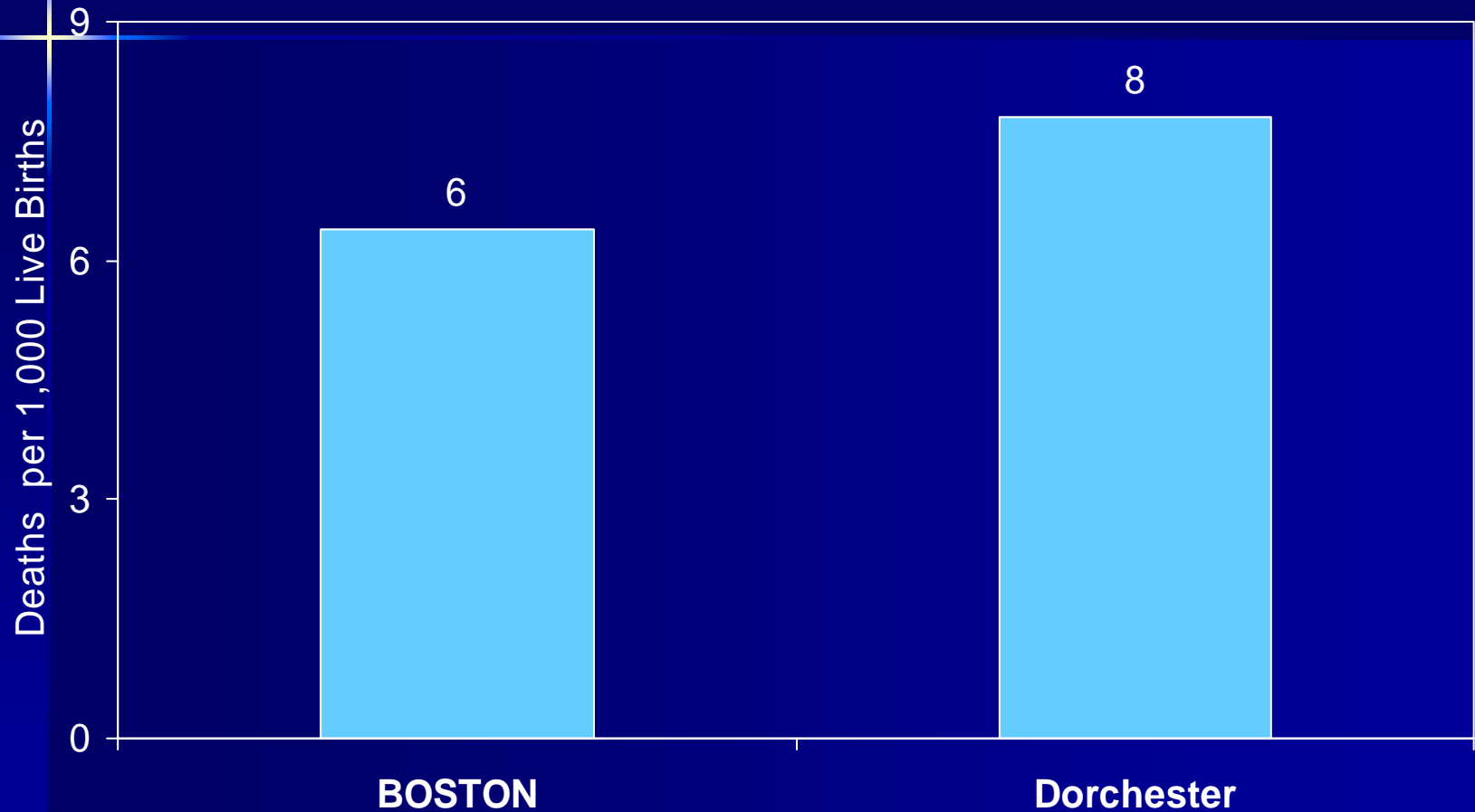
\*Dorchester section of the Grove Hall area

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health

DATA ANALYSIS: Boston Public Health Commission Research Office

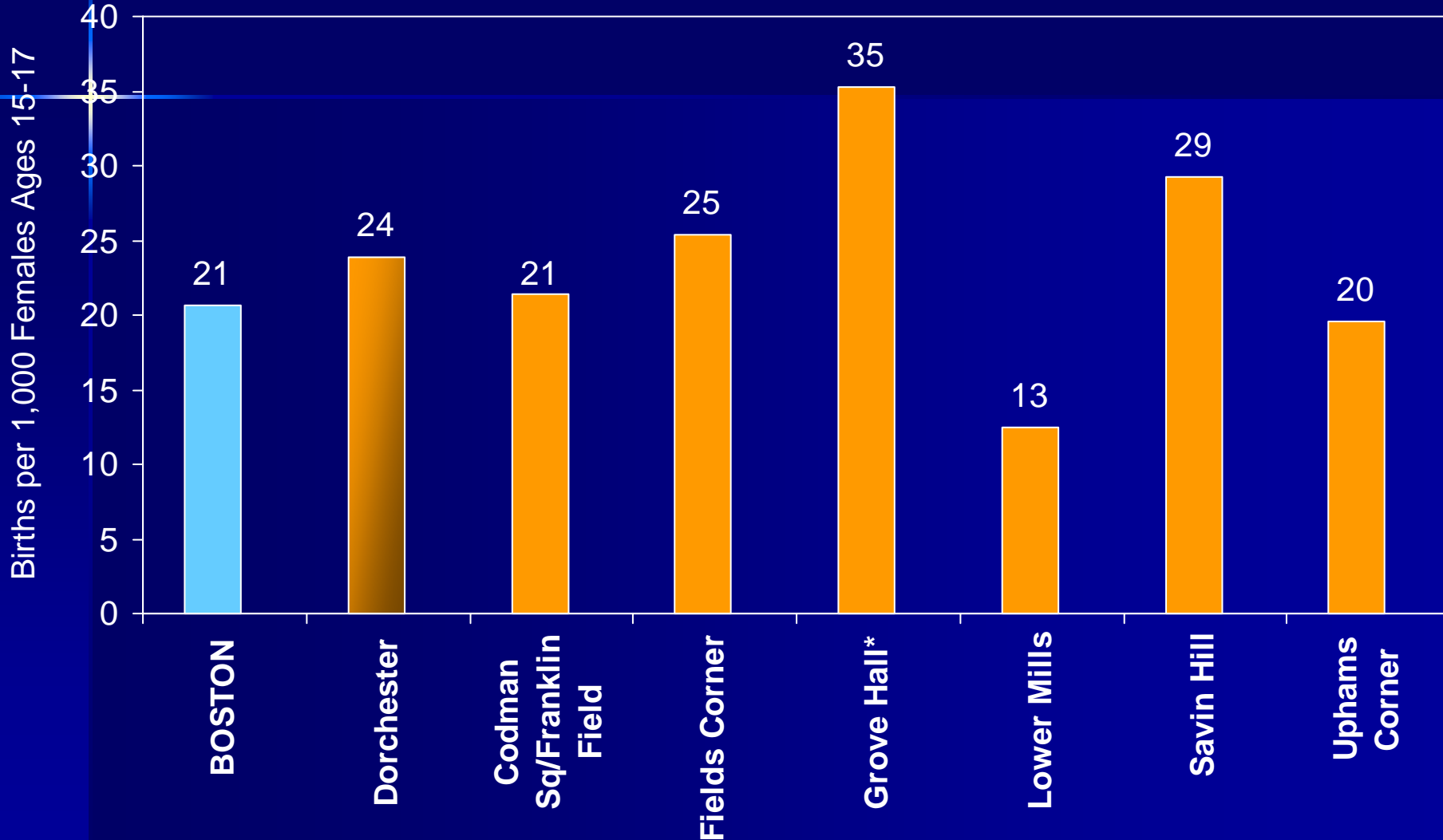


# Infant Mortality: Boston and Dorchester, 2001-2005



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, Dorchester, 2005



\*Dorchester section of the Grove Hall area

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, Dorchester, 2006

Ages 1-9	Ages 10-17	Ages 18-24
1. Bronchitis/Asthma	Pregnancy	Pregnancy
2. Simple Pneumonia*	Bronchitis/Asthma	Red Blood Cell Disorder
3. Injury	Psychoses	Psychoses
4. Seizure & Headache	Red Blood Cell Disorder	Injury
5. Cellulitis	Cellulitis	Bronchitis/Asthma

\*Includes Pleurisy

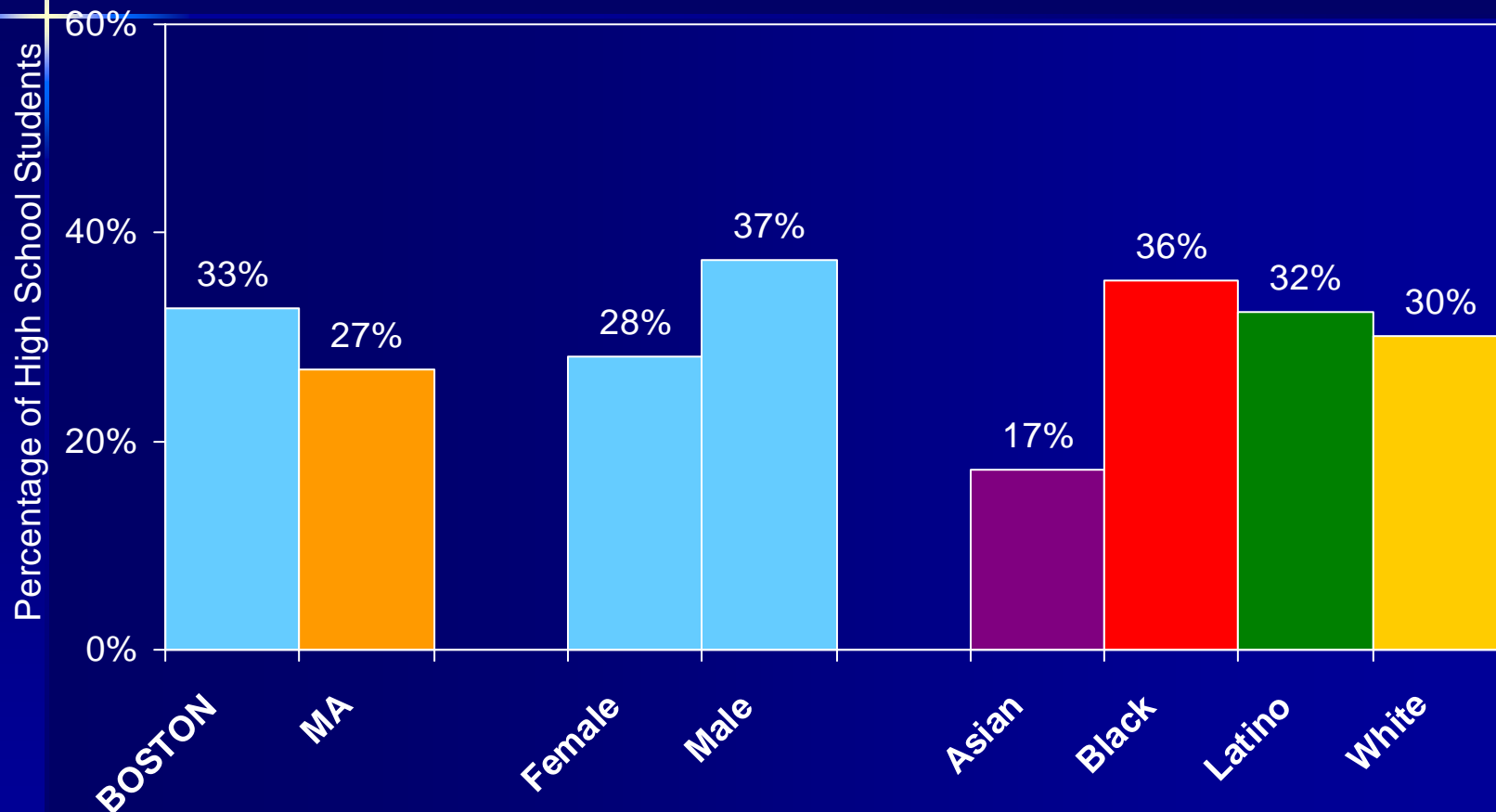
DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy

DATA ANALYSIS: Boston Public Health Commission Research Office

# OVERWEIGHT and OBESITY

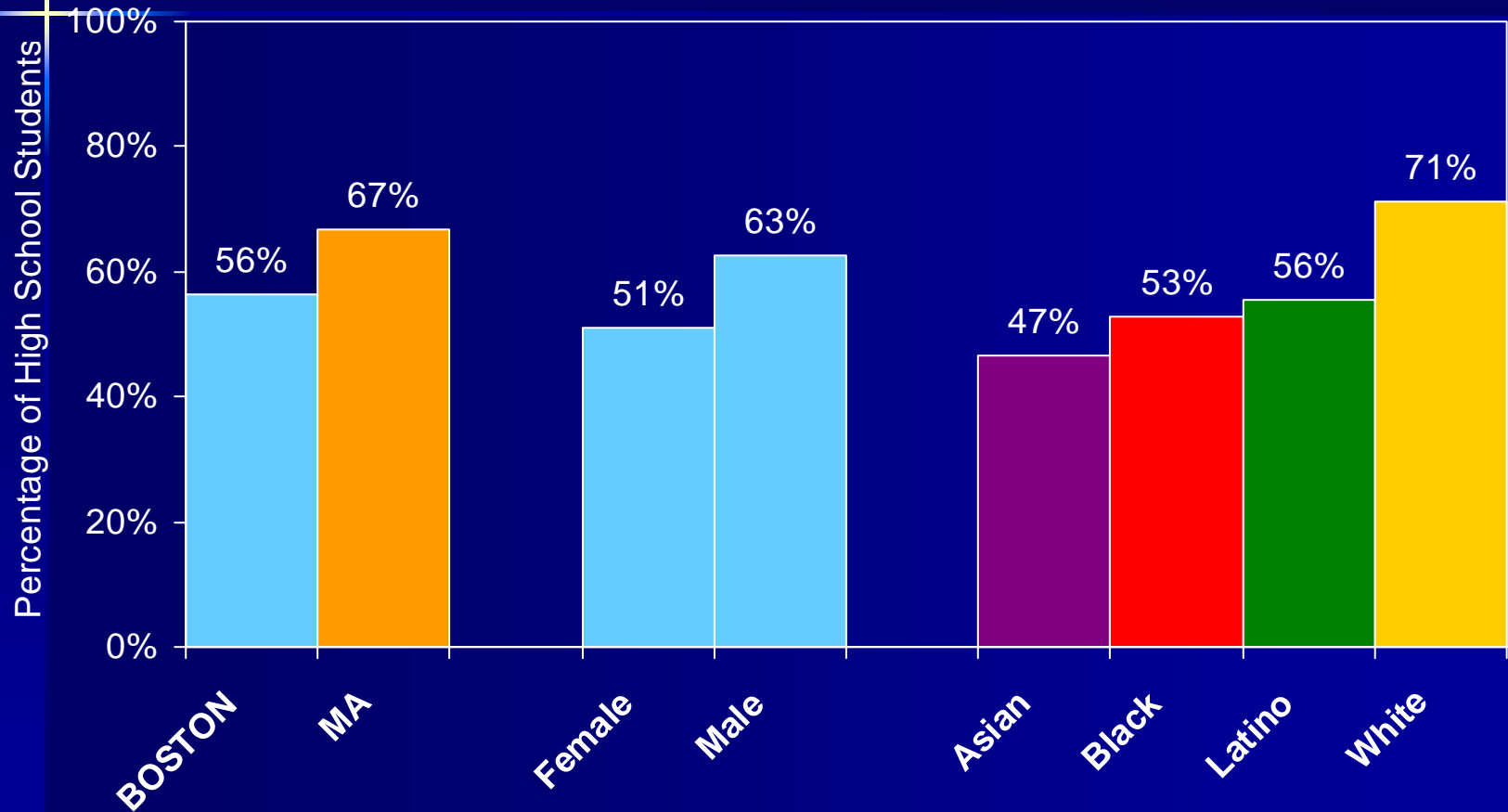


# At Risk for Overweight or Overweight/Obese, High School Students Boston, 2005



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

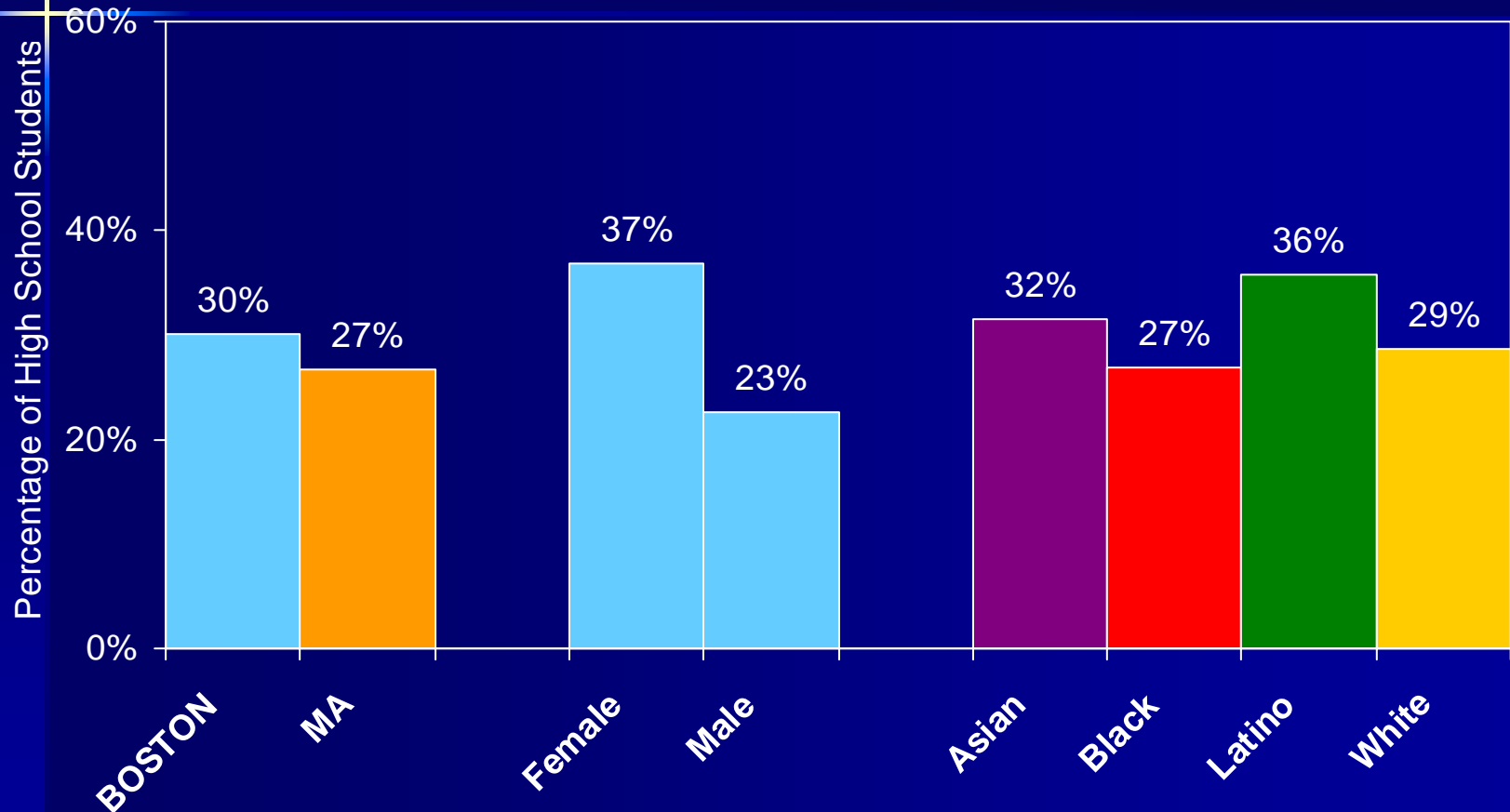


DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)  
DATA ANALYSIS: Boston Public Health Commission Research Office

# MENTAL HEALTH



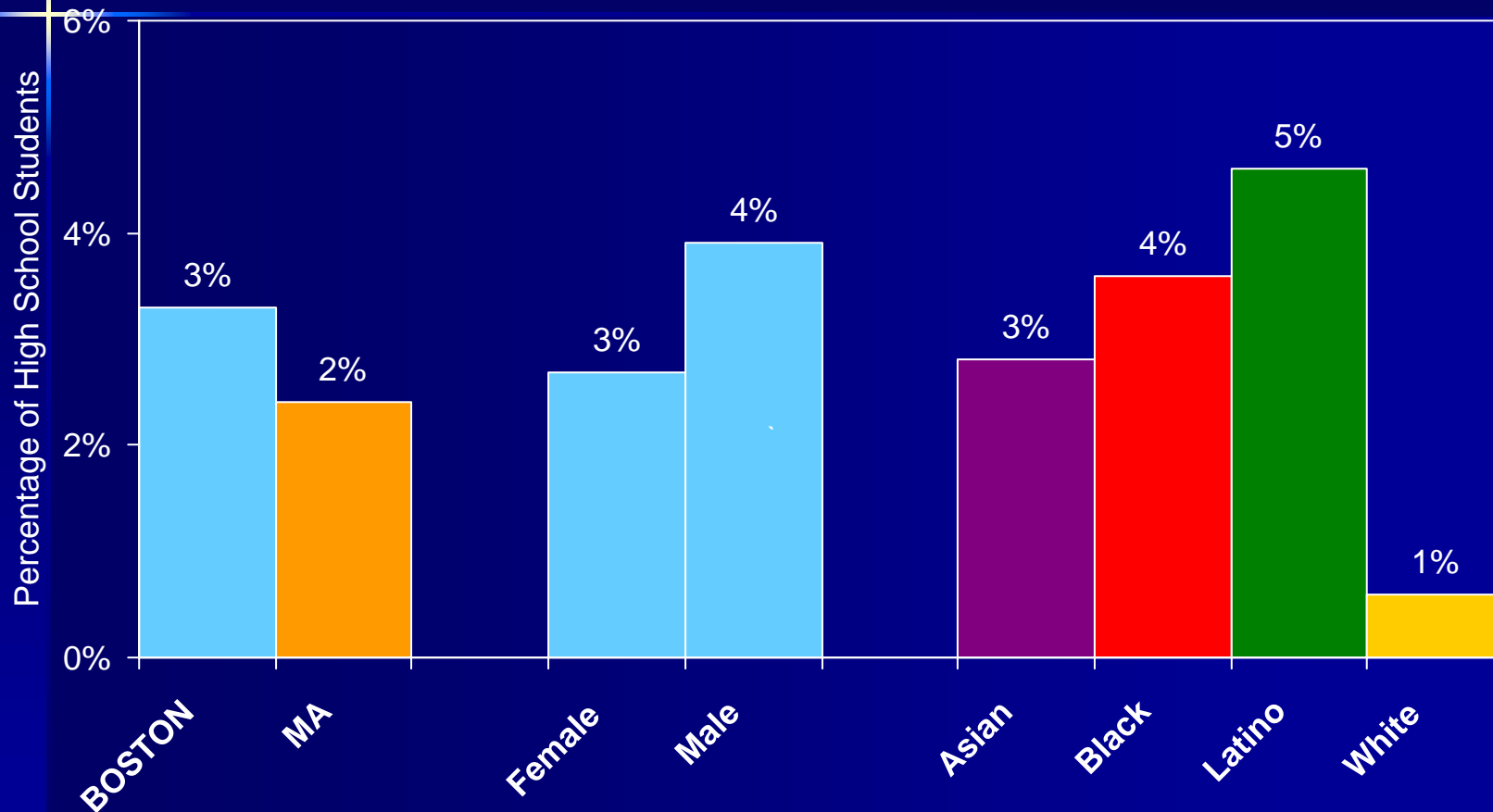
# Felt Sad/Hopeless for Two Weeks Straight During Past Year, High School Students Boston, 2005



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

# Risky Behaviors, High School Students, Boston, Massachusetts, and U.S., 2005

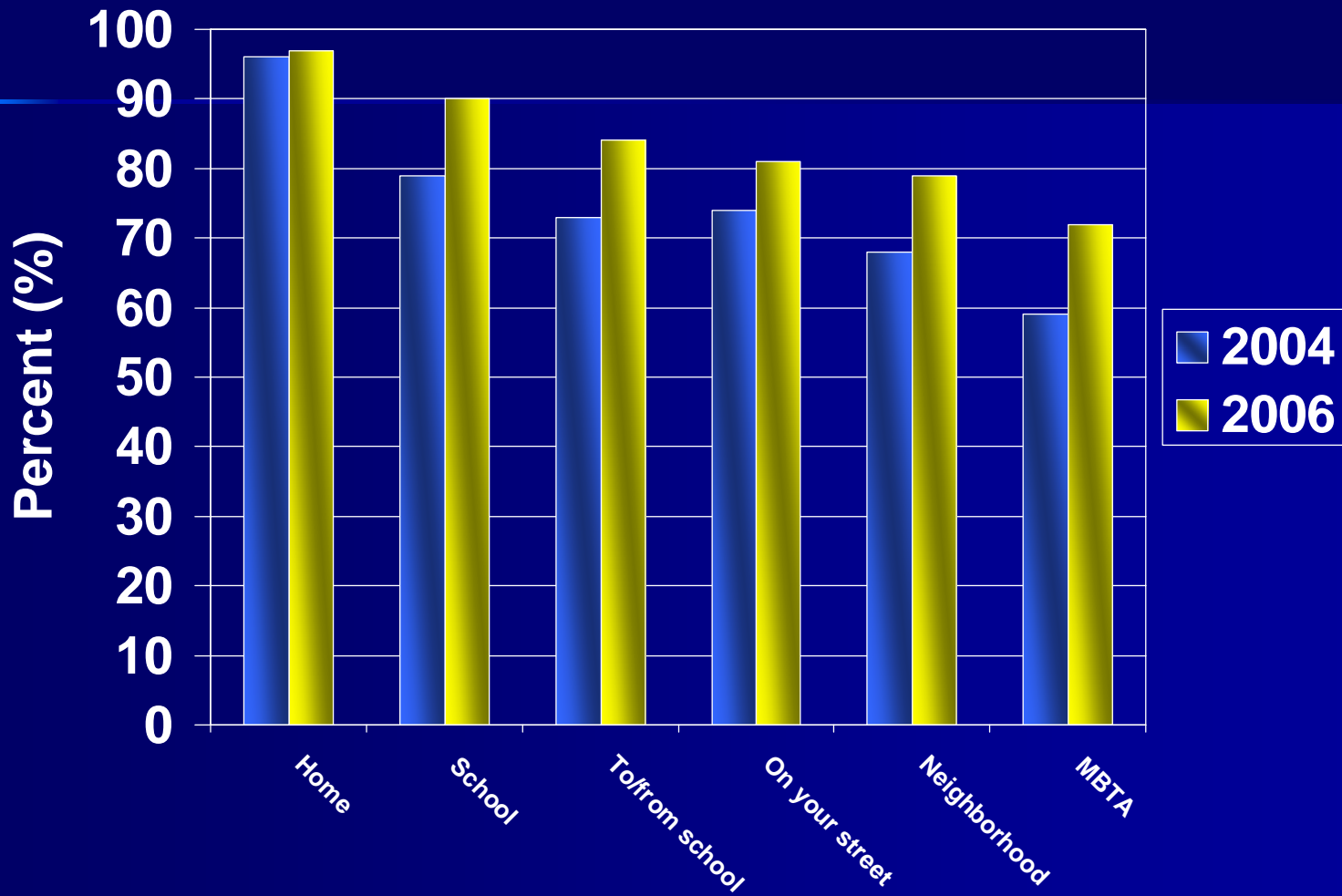
	BOSTON	MA	U.S.
Smoked – past 30 Days	15%	21%	23%
Alcohol – past 30 Days	36%	48%	43%
Binged – past 30 Days	15%	27%	26%
Marijuana – Lifetime	39%	45%	38%
Marijuana- Past 30 Days	21%	26%	20%
Sex Before Age 13	11%	5%	6%
Condom Use* – past 3 mo.	74%	65%	63%

\*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

# 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

# Reasons for Gun Carrying\*

	2004	2006
<b>Felt unsafe in neighborhood</b>	38%	37%
<b>Someone had threatened me</b>	29%	32%
<b>Friends carried guns</b>	14%	12%
Carried it for someone else	14%	32%
<b>Felt unsafe at school</b>	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

