

# Community Youth Meetings 2007

Health Status of Youth: South End

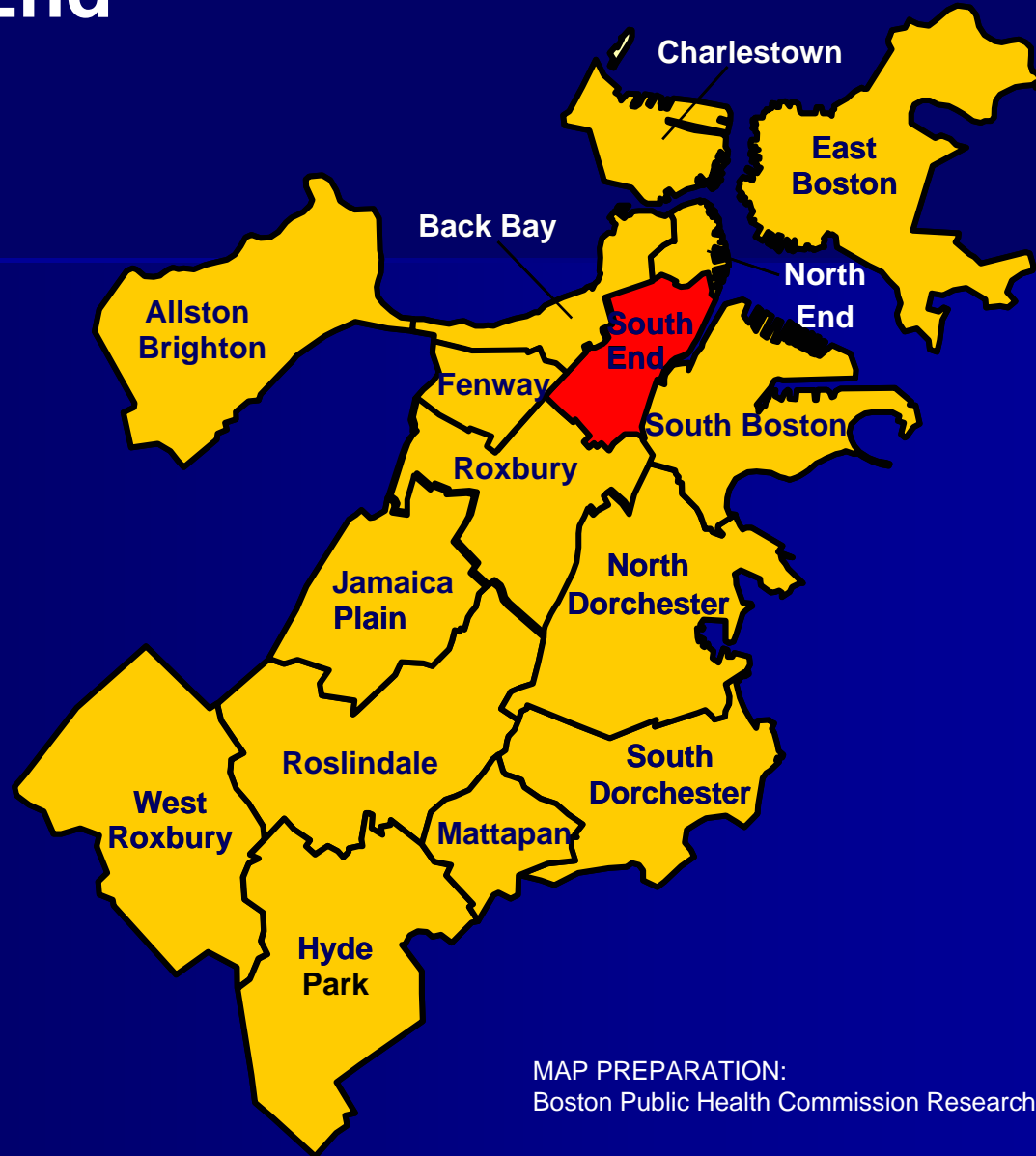
October 23, 2007

Presented by the Boston Public Health  
Commission



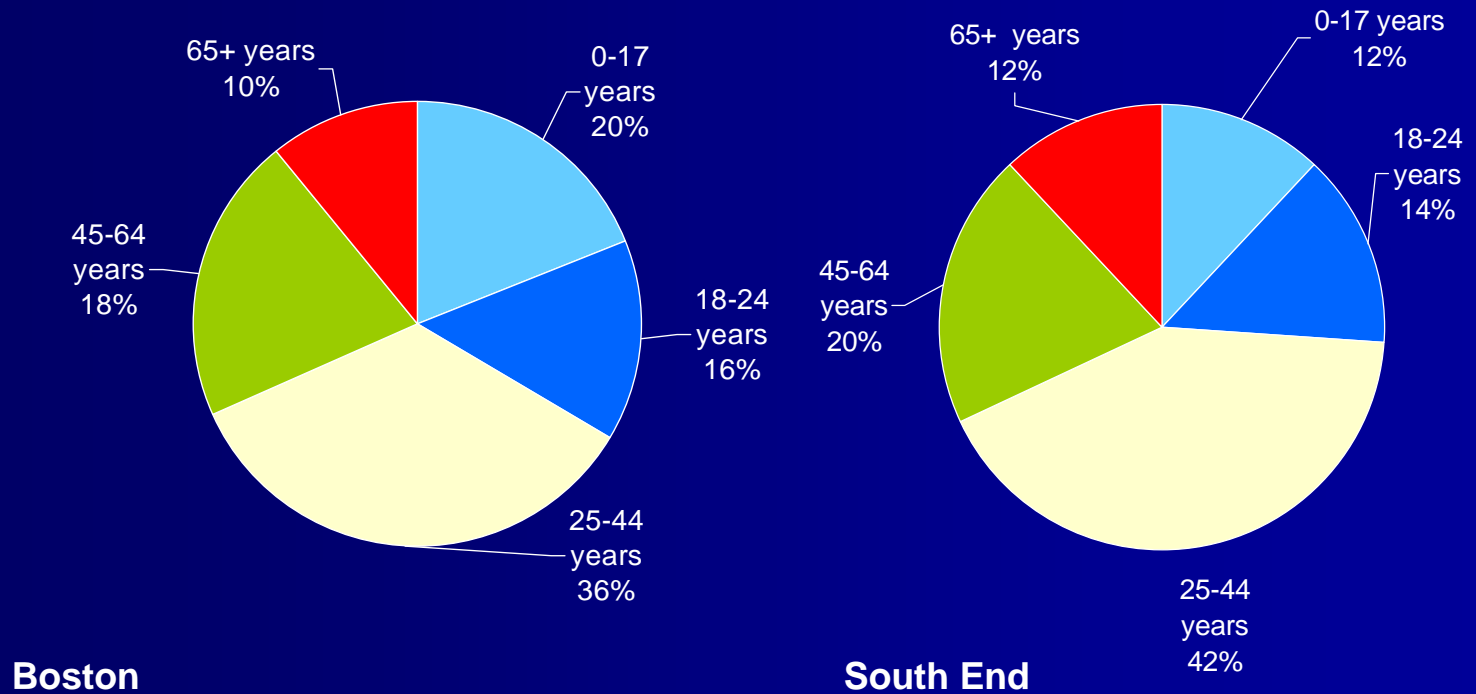
B O S T O N

# South End



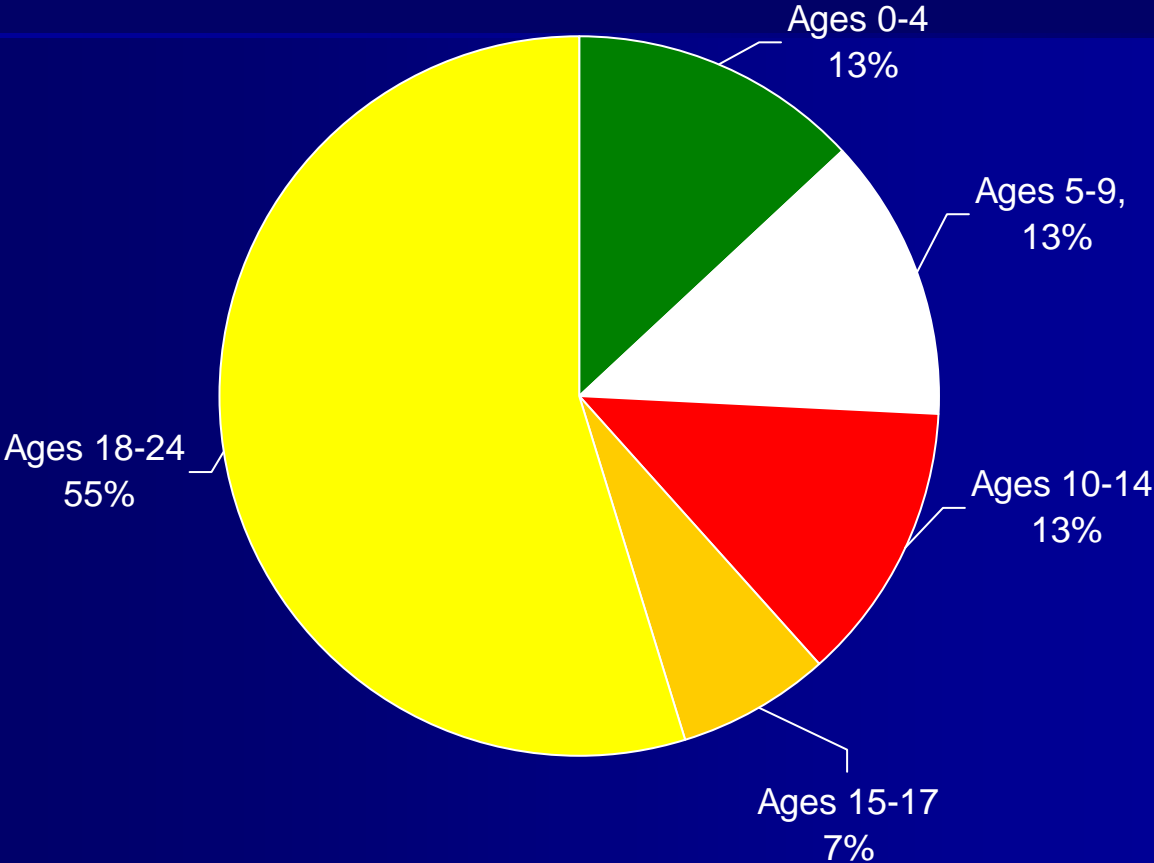
MAP PREPARATION:  
Boston Public Health Commission Research Office

# Population by Age Group: Boston and South End, 2000



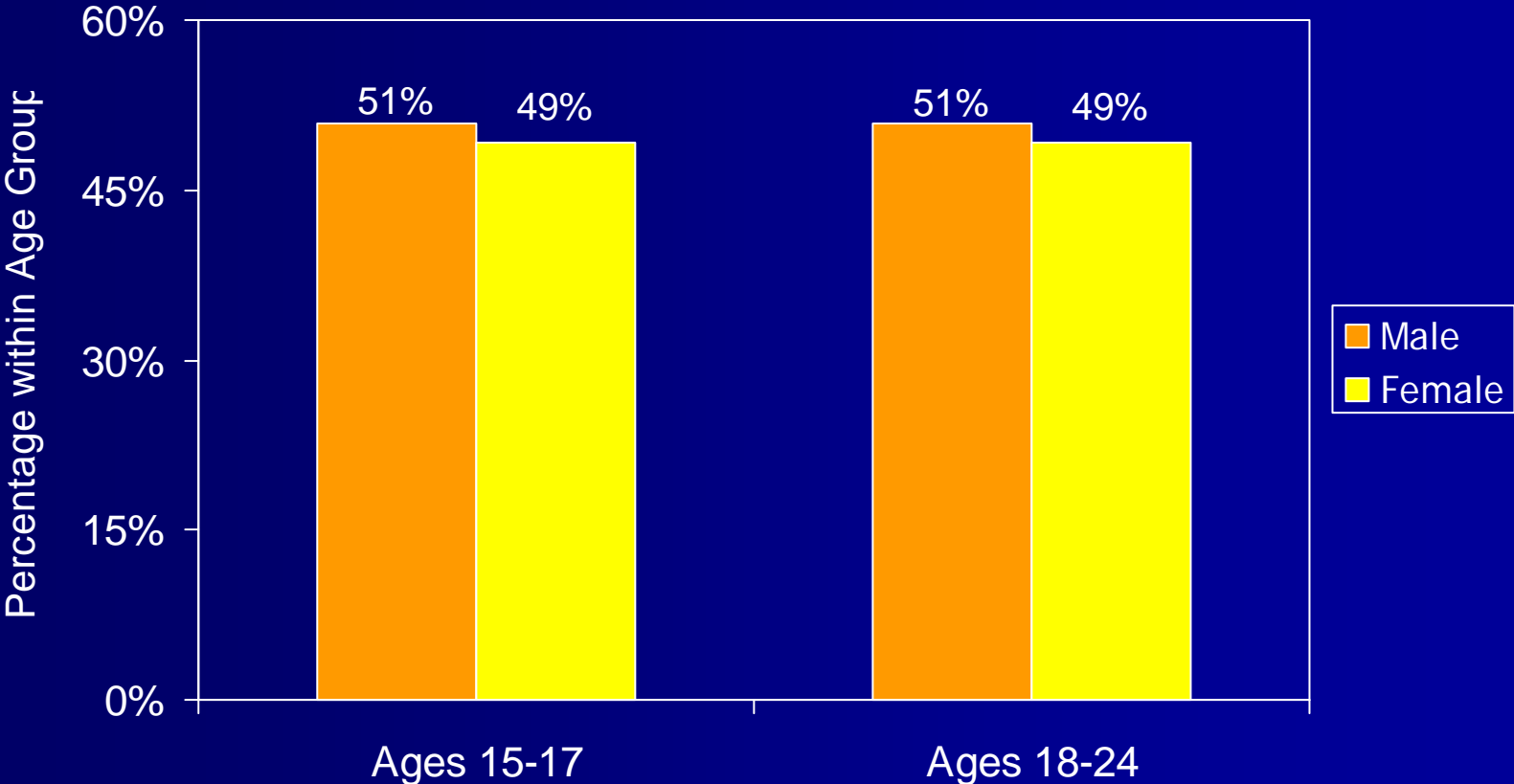
DATA SOURCE: U.S. Department of Commerce, Bureau of the Census, American FactFinder, Census 2000  
DATA ANALYSIS: Boston Public Health Commission Research Office

# Youth and Young Adult Population by Age, South End, 2000



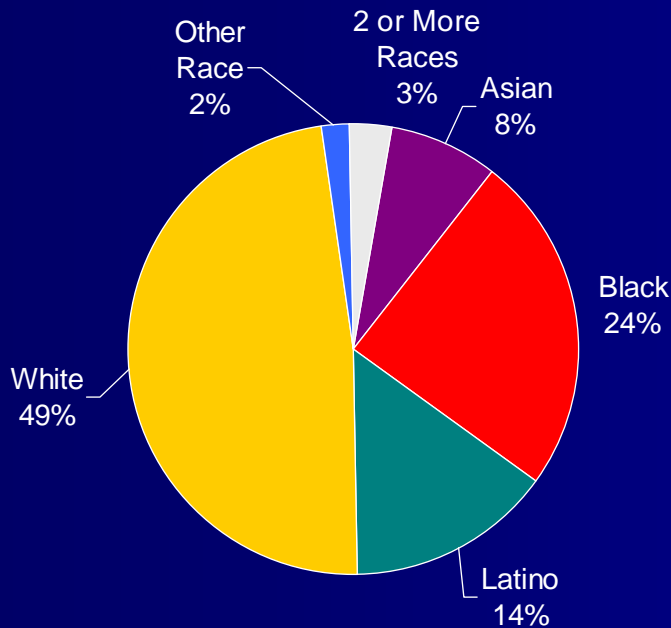
DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder  
DATA ANALYSIS: Boston Public Health Commission Research Office

# Youth and Young Adult Population by Gender, South End, 2000

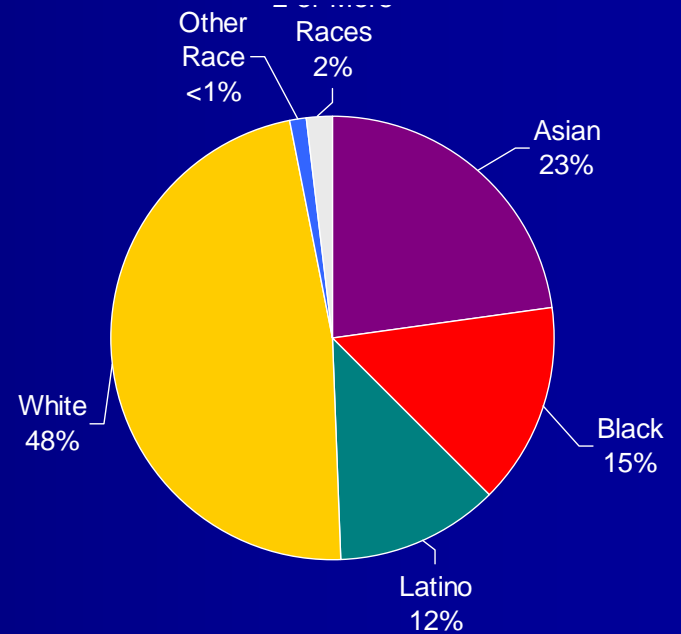


DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder  
DATA ANALYSIS: Boston Public Health Commission Research Office

# Racial and Ethnic Makeup: Boston and South End, 2000



**Boston**



**South End**

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

# Selected Socioeconomic Indicators Boston Overall and South End, 2000

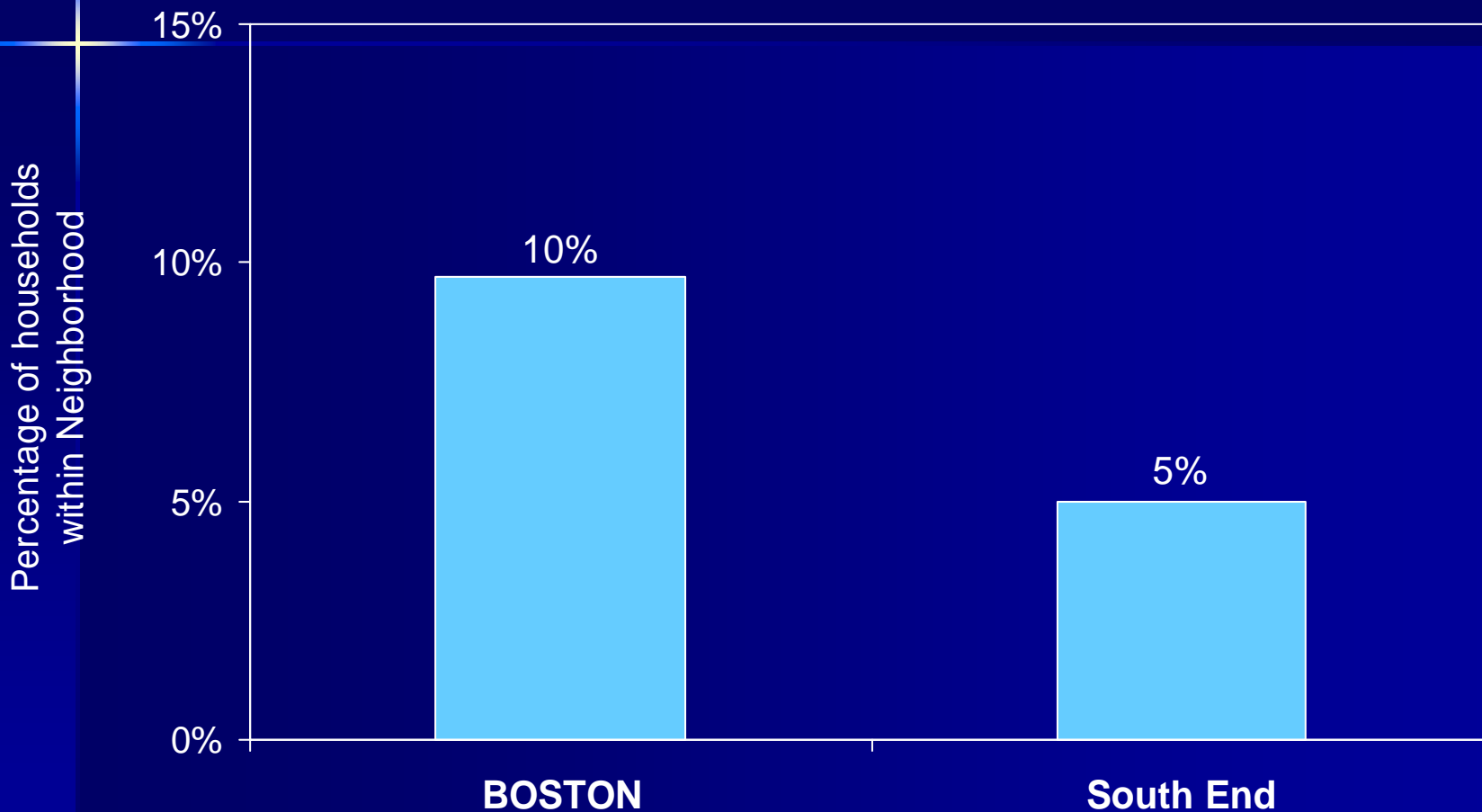
Indicator	Boston	South End
% of Population with Less Than High School Diploma or GED (Adults Ages 25 and Over)	21%	28%
% of Population Below Poverty Level*	20%	24%
% of Children (Under 18) Below Poverty Level*	26%	34%
% of Adults 65 and Older Below Poverty Level*	18%	39%
Median Household Income in 1999*	\$39,629	\$38,840

\*Based on 1999 income

DATA SOURCE: US 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, South End, 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>				

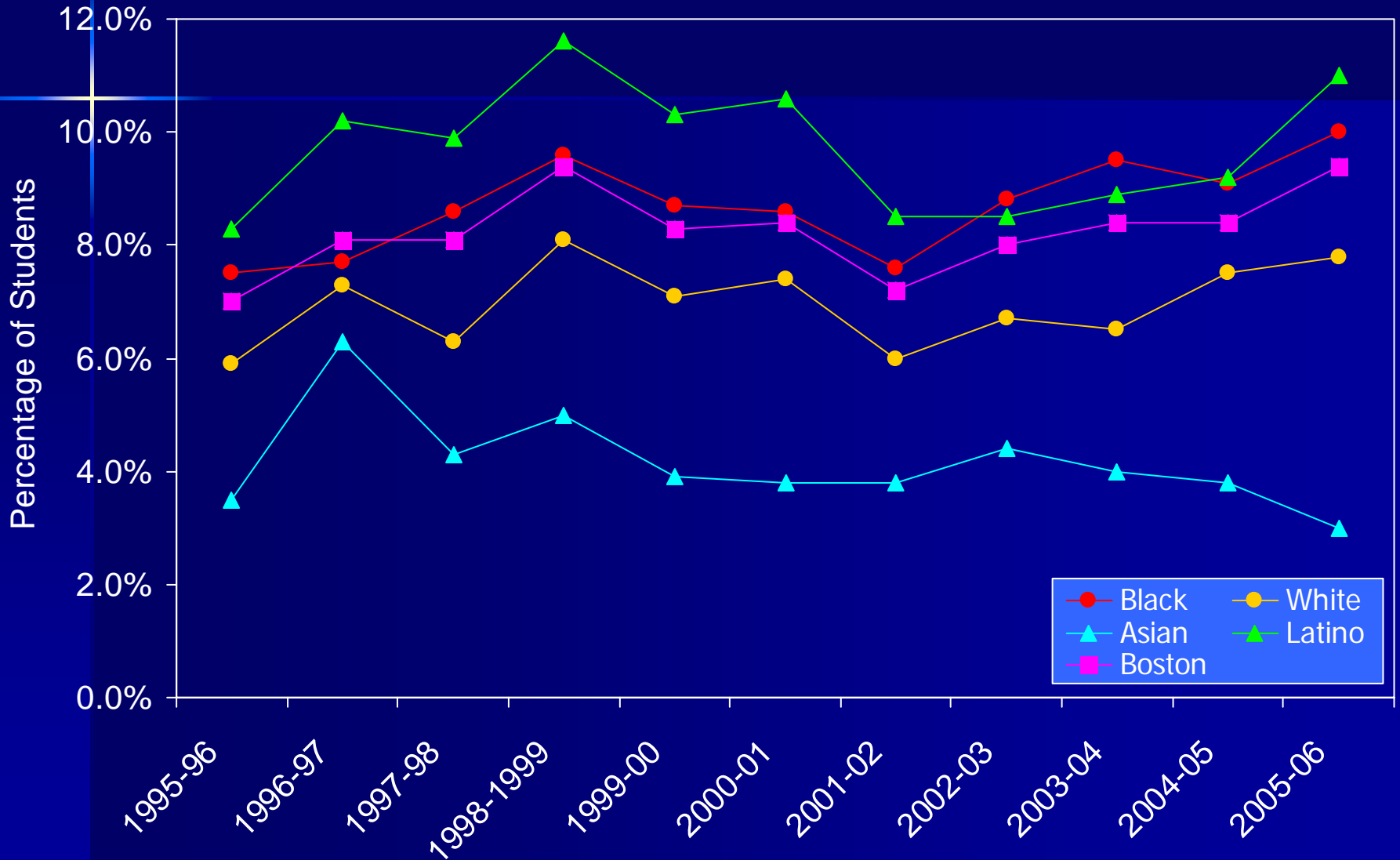
# Grade Level 10 2007 MCAS Results for Mathematics in Boston

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

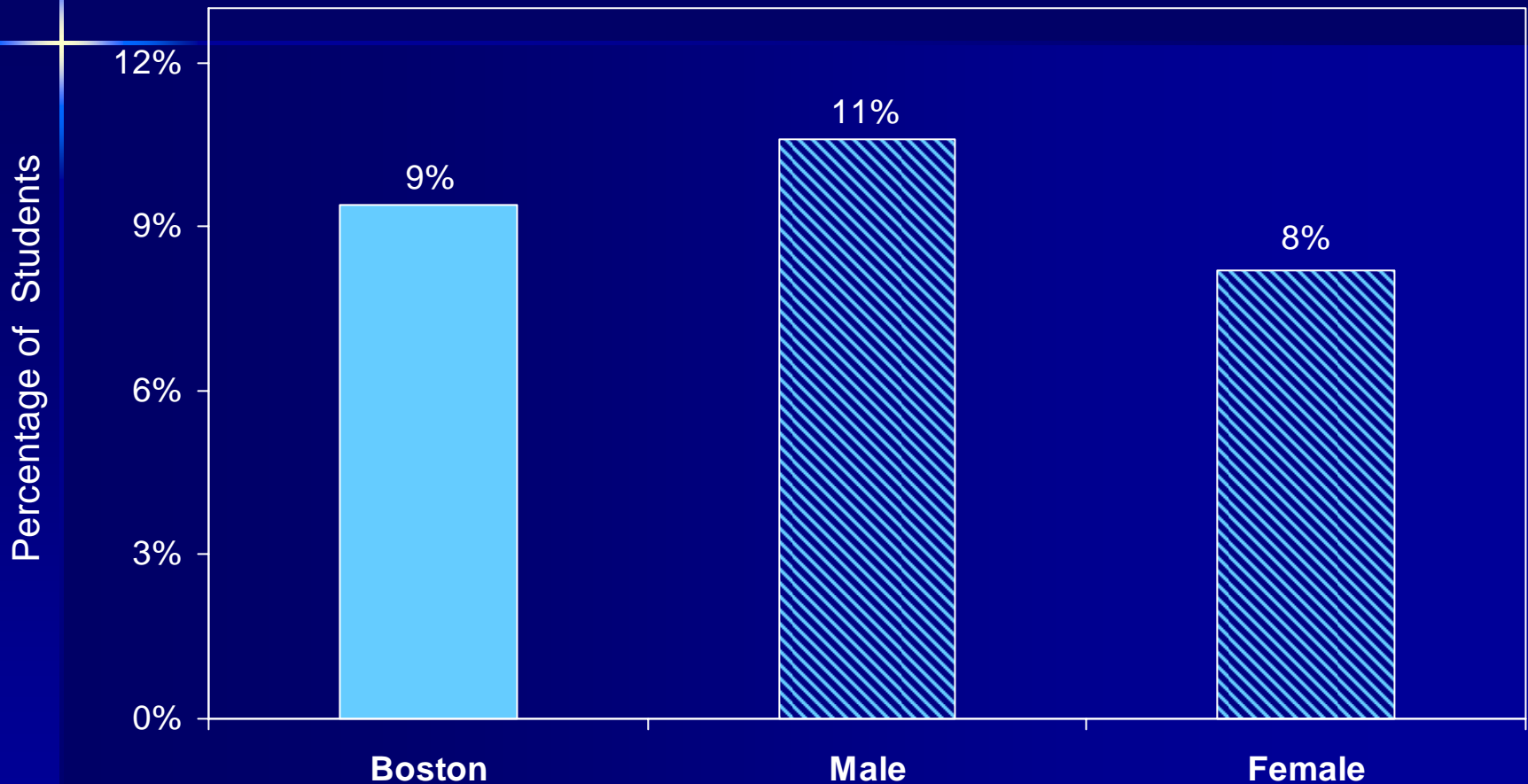
GRAPHIC: Boston Public Health Commission Research Office

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



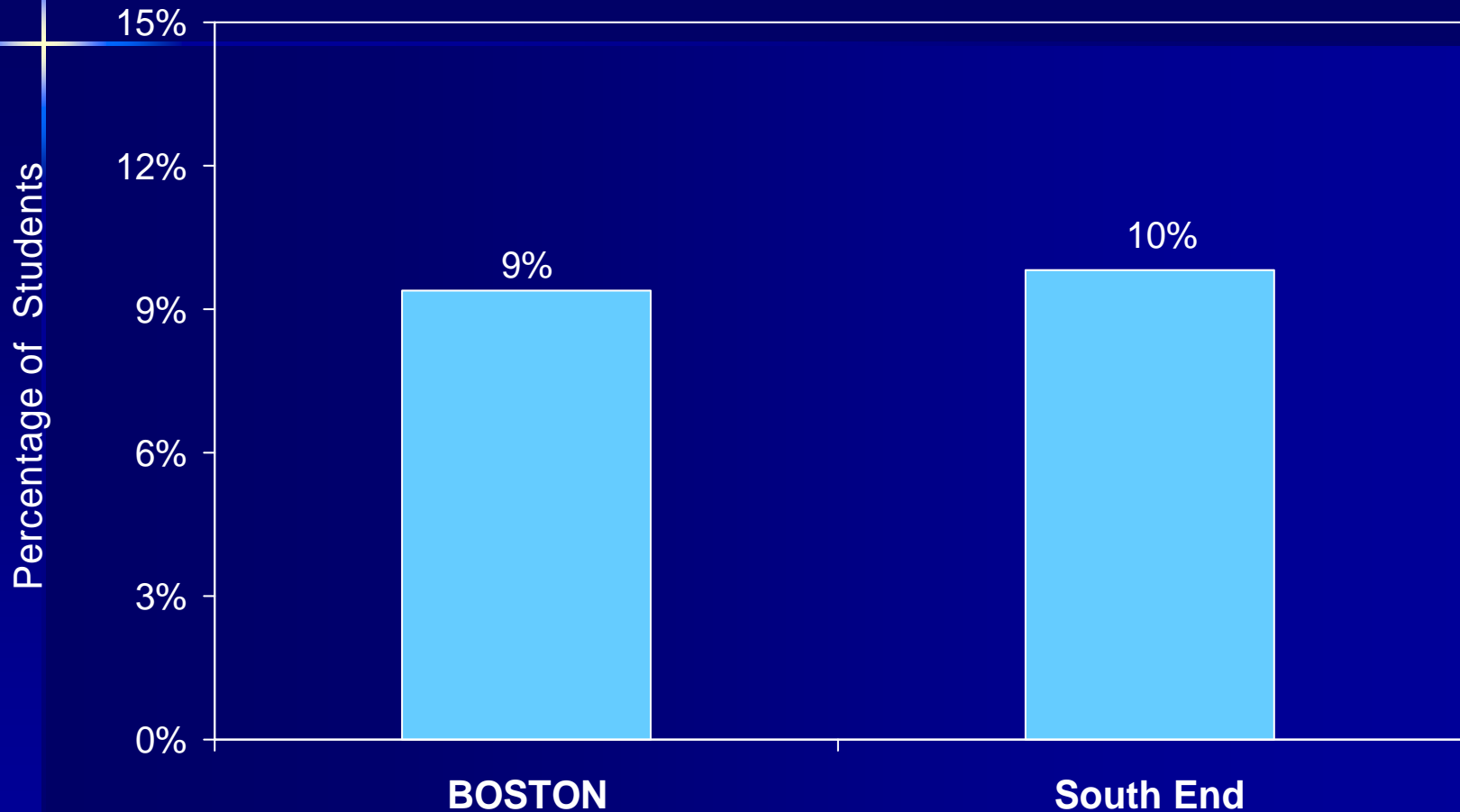
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout  
 GRAPHIC: Boston Public Health Commission Research Office

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



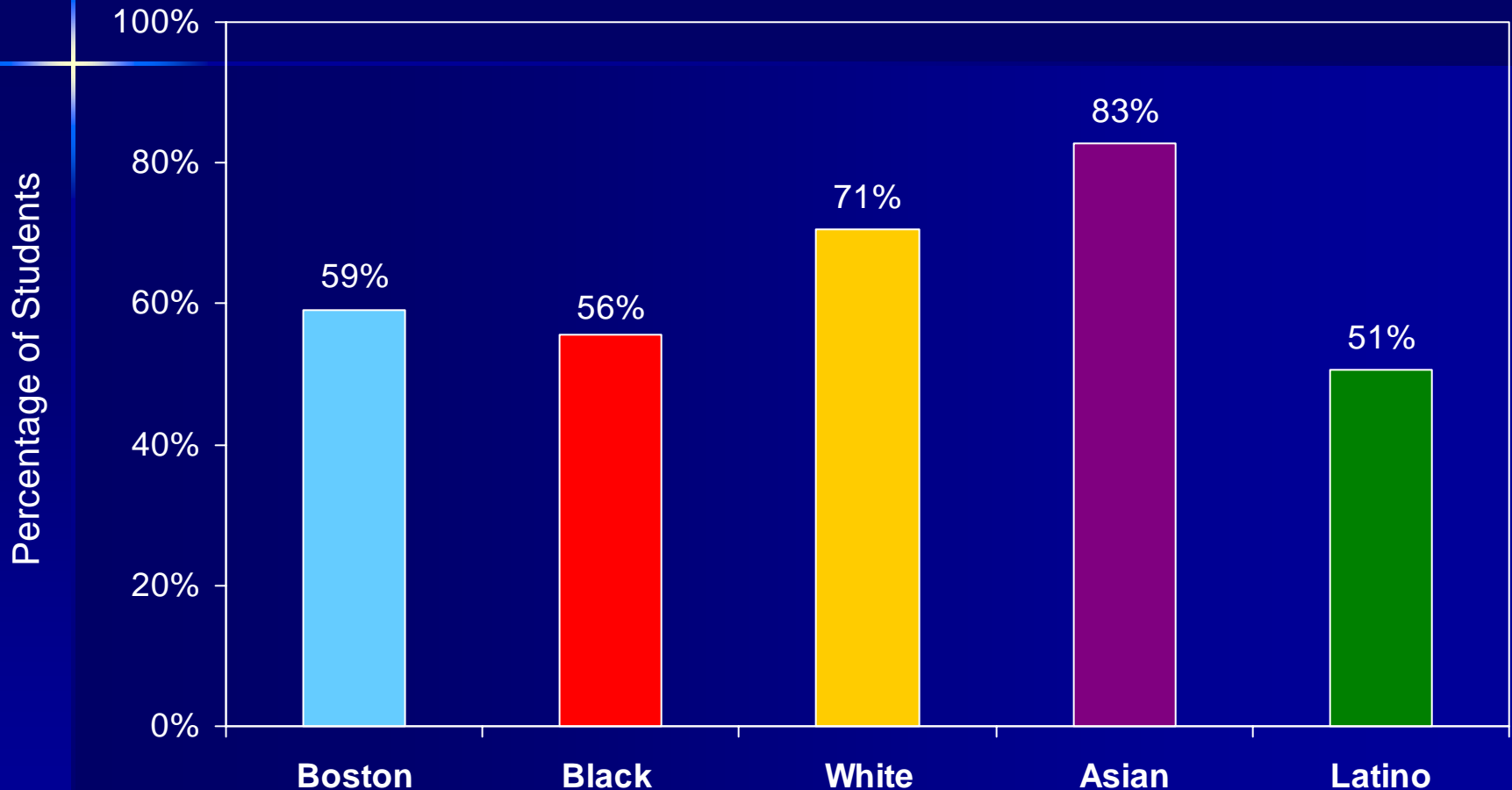
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout  
GRAPHIC: Boston Public Health Commission Research Office

# Annual Dropout Rates in Grades 9-12 Boston and South End, 2005-2006



\* Boston Public Schools use the Zip Code 02118 to define the South End  
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout  
GRAPHIC: Boston Public Health Commission Research Office

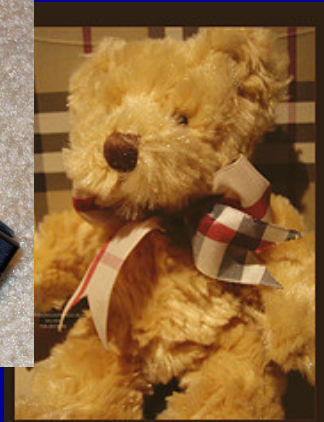
# 4-Year Graduation Rate: Grades 9-12 Boston, 2006



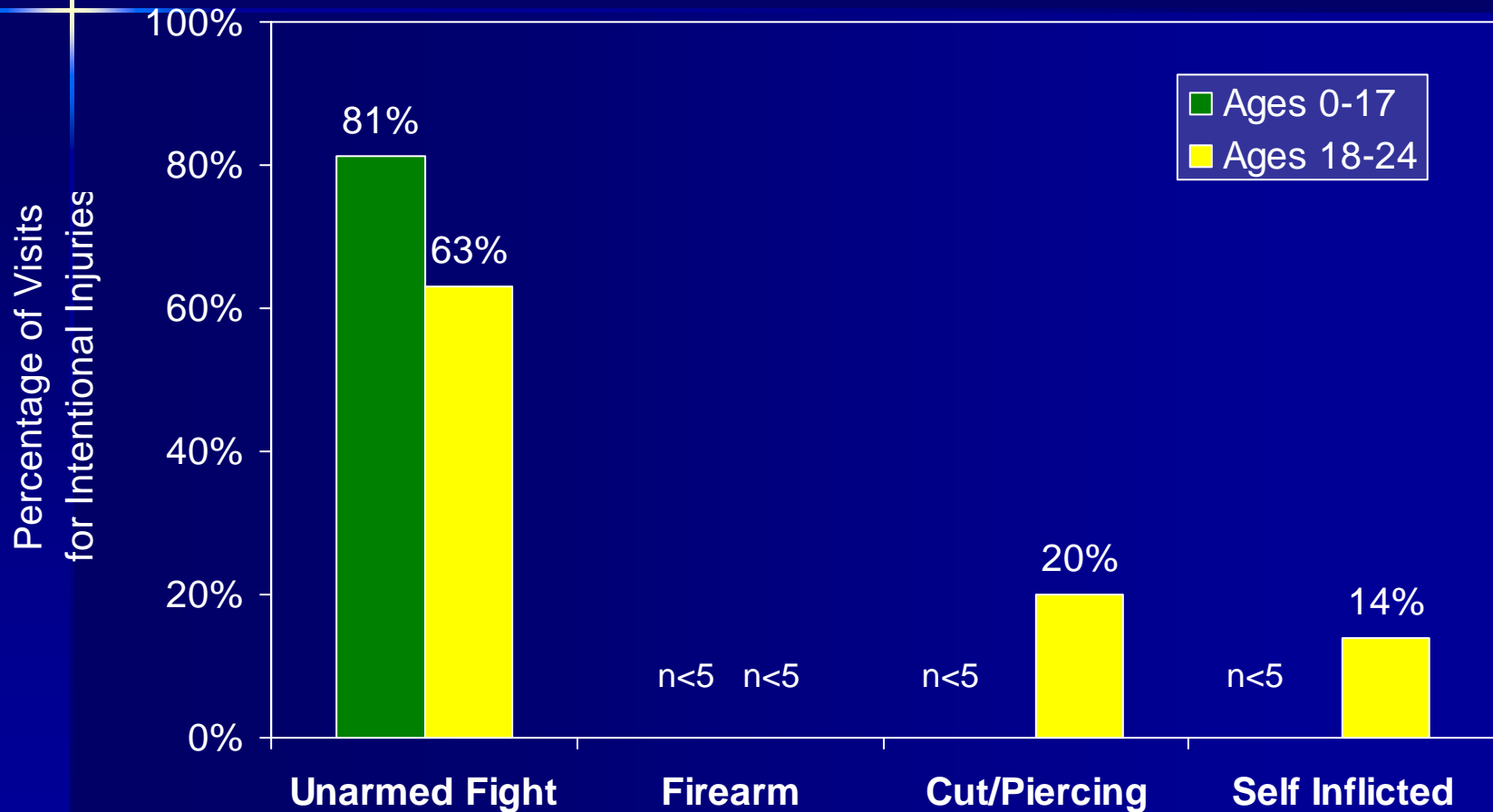
NOTES: Graduation rate Indicates the percentage of students who graduate with a regular high school diploma within 4 years.  
# of students in cohort who graduate in 4 years or less/ [# of 1<sup>st</sup> time entering 9<sup>th</sup> graders 4 years earlier] – transfers out + transfers in  
DATA SOURCE: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



# VIOLENCE and TRAUMA

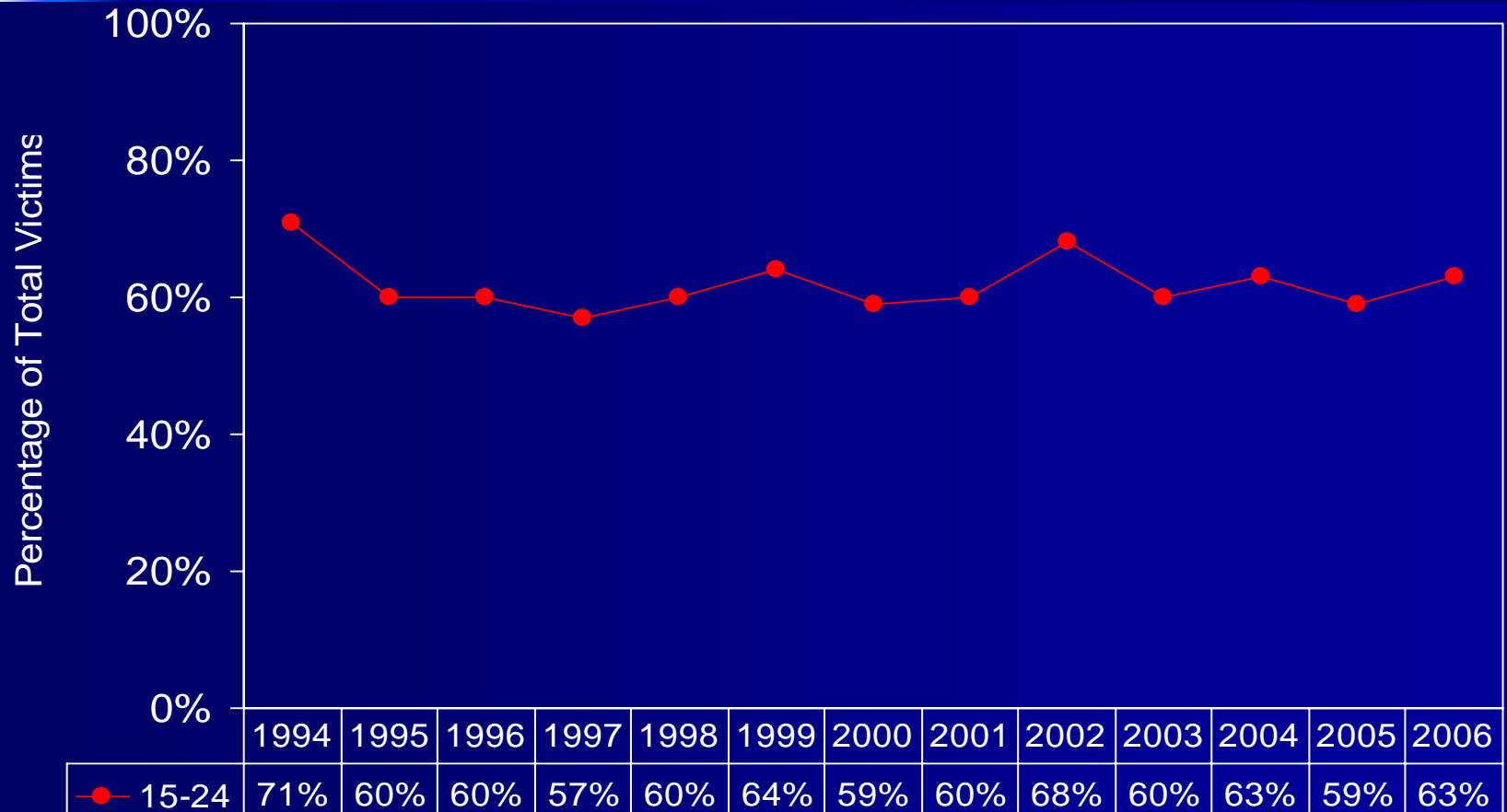


# Emergency Department Intentional Injury Visits by Age and Type, South End, 2005



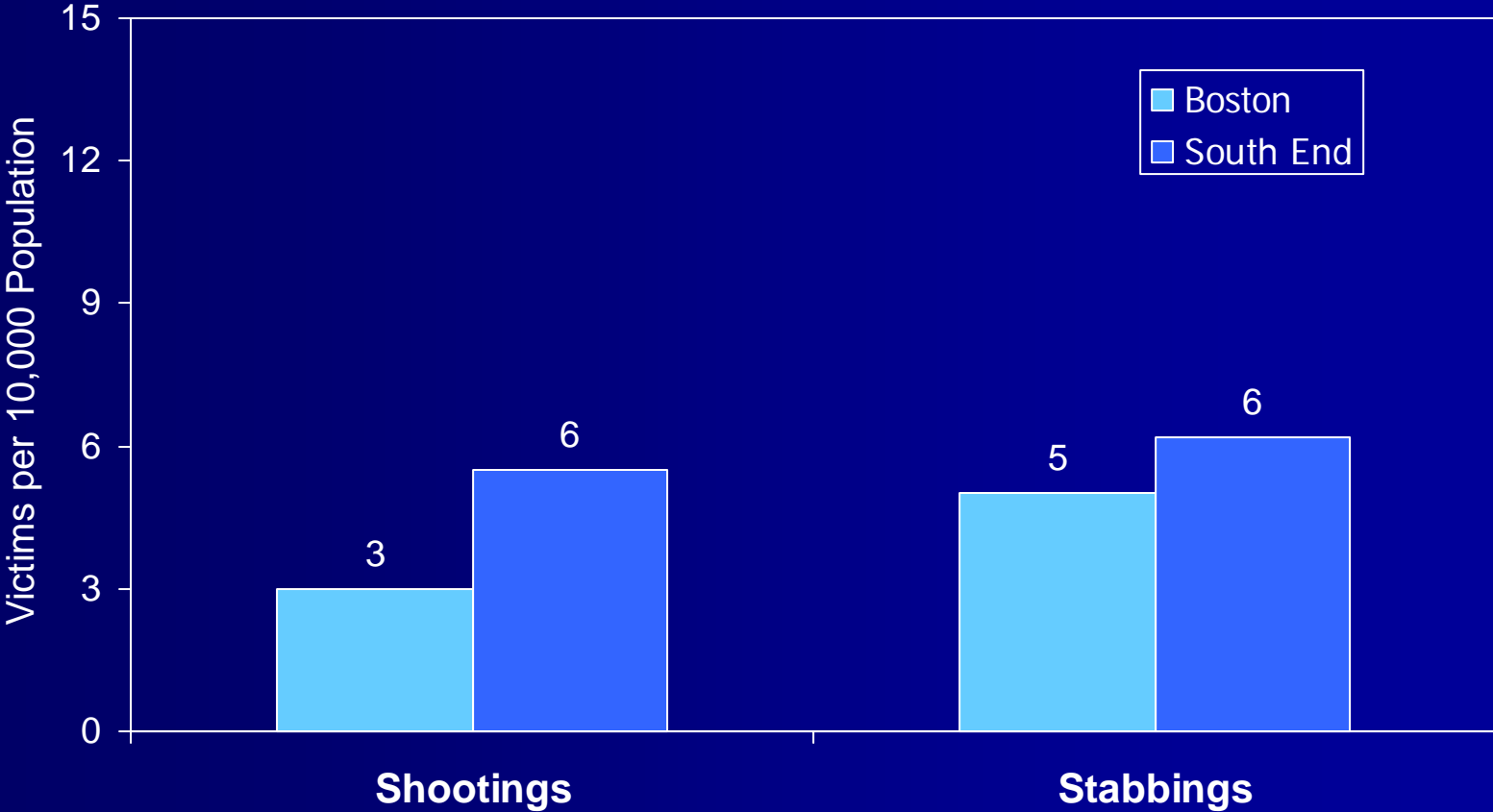
DATA SOURCE: Hospital Emergency Department Visit Data Base, Massachusetts Division of Health Care Finance and Policy  
DATA ANALYSIS: Boston Public Health Commission Research Office

# Victims of Assault-Related Nonfatal Shootings and Stabbings, Boston Residents Ages 15-24, 1994-2006



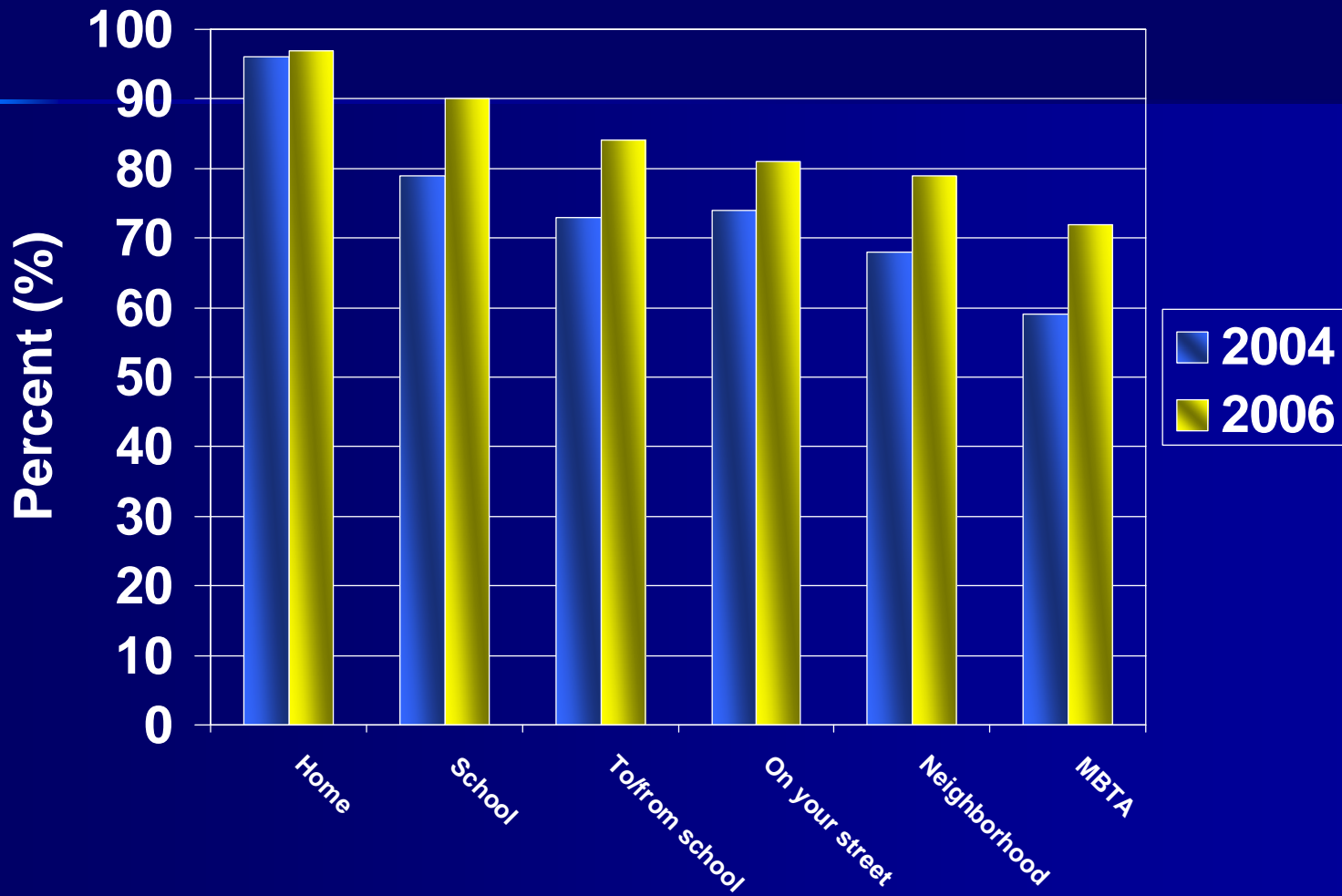
DATA SOURCE: Weapon-Related Injury Surveillance System (WRISS) Massachusetts Department of Public Health  
 DATA ANALYSIS: Boston Public Health Commission Research Office

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



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

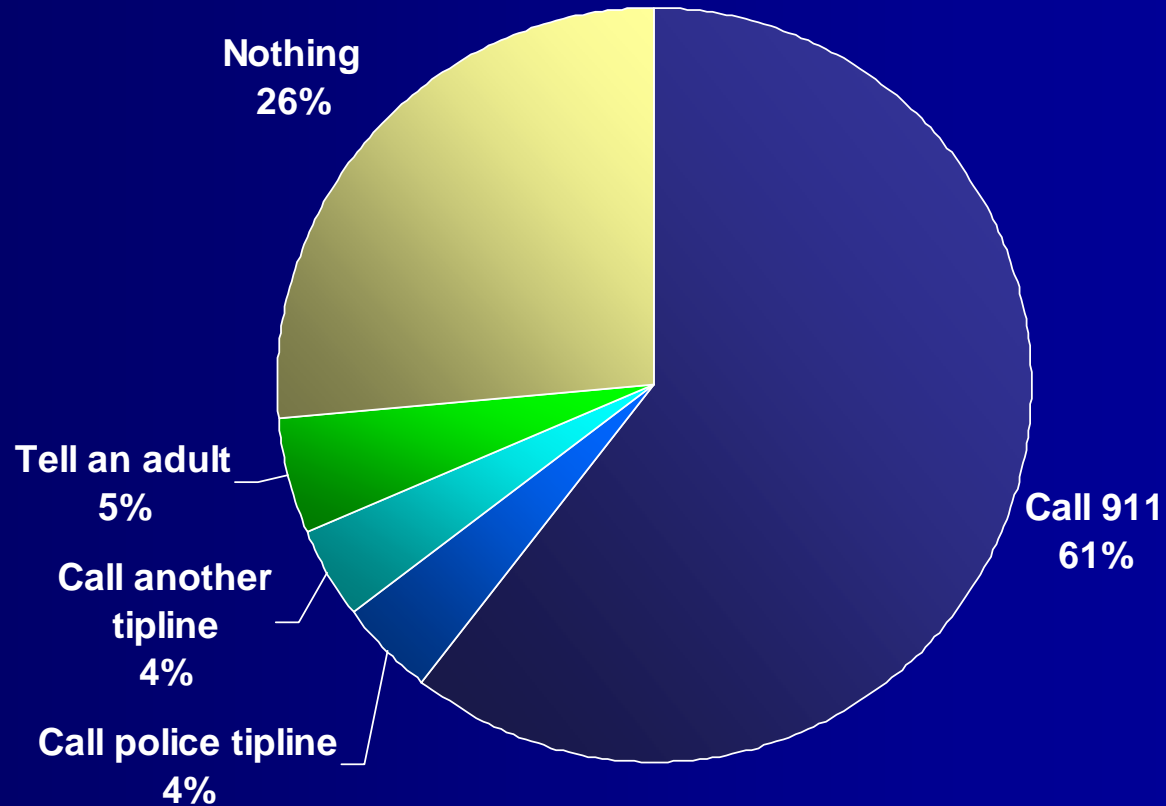
# Feelings of Safety



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

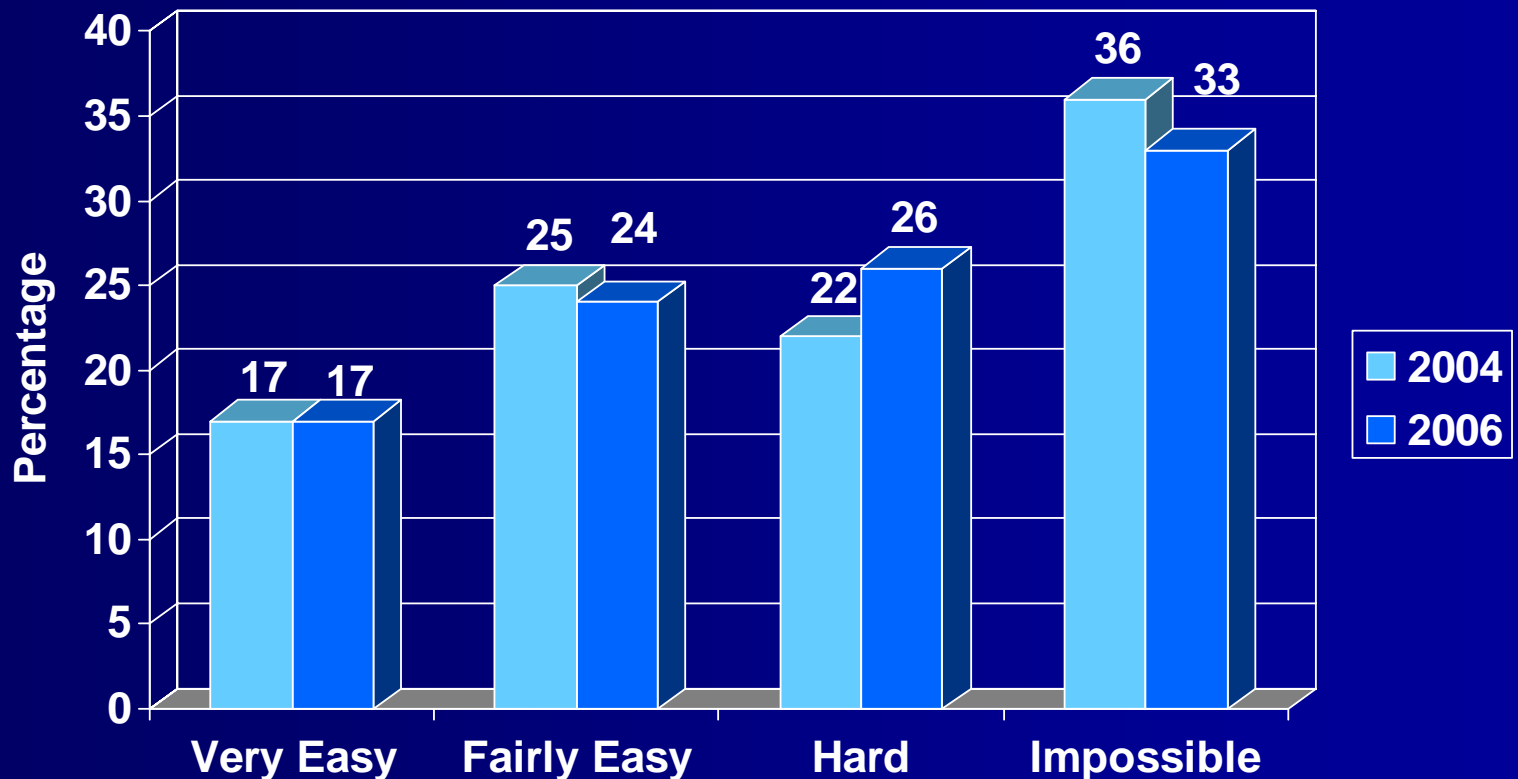
- Fear of getting hurt

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

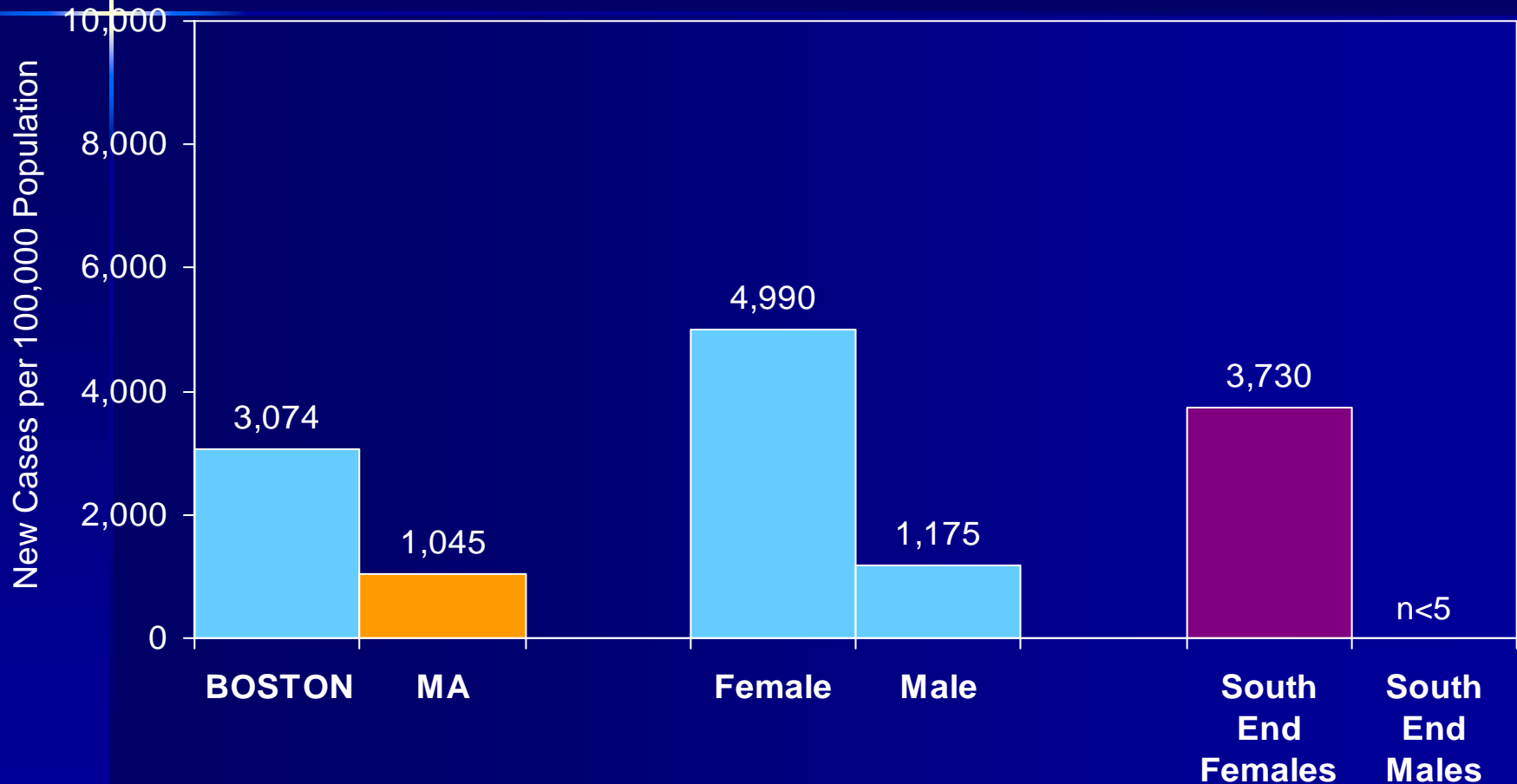
	Of Gun Carriers	Of Non-Gun Carriers
% Smoked Cigarettes – Past 30 Days	39.7	14.0
% Drank Alcohol – Past 30 Days	78.1	33.6
% Binged (5+ Drinks) – Past 30 Days	44.1	13.8
% Used Marijuana – Past 30 Days	76.0	18.6
% Poor Grades (Ds & Fs) - Past Year	35.4	15.1
% Lacking Adult Social Supports at School	38.8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



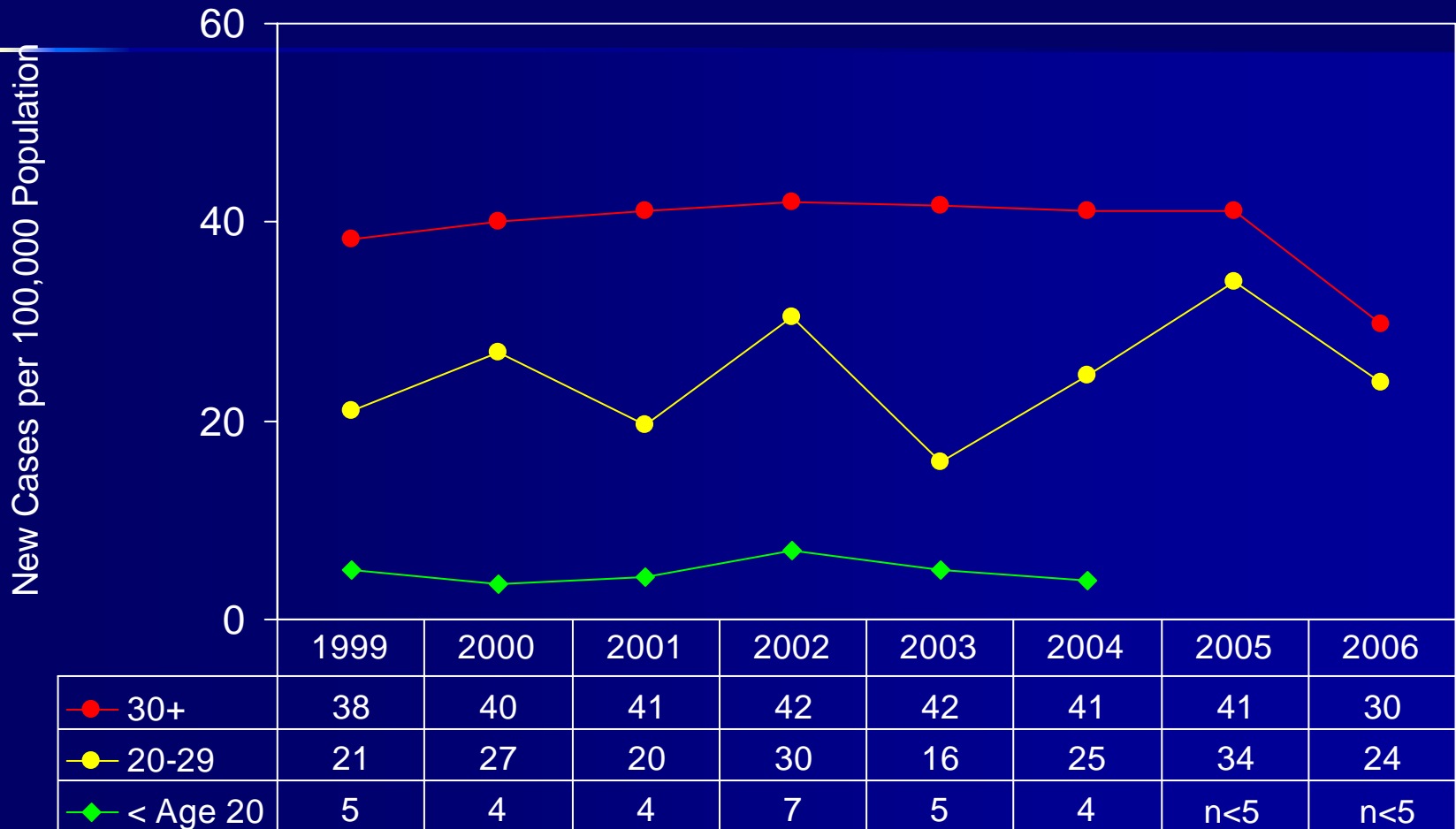
# INFECTIOUS DISEASE

# Chlamydia Incidence Rates, Ages 15-18 by Sex, Boston and the South End, 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

# SOUTH END: SUMMARY of MAJOR FINDINGS – POSITIVE INDICATORS

- **Children with Elevated Blood Lead Levels** – Less than 1% of South End children screened tested positive for elevated blood lead levels.
- **Infant Mortality Rate (IMR)** – The IMR for the South End for 2001-2005 (2 infant deaths per 1,000 live births) was 67% lower than the IMR for Boston.
- **Adolescent Birth Rate** - The South End birth rate for adolescents ages 15-17 in 2005 (17 births per 1,000 females ages 15-17) was 19% lower than the Boston rate. It was also lower than both the Massachusetts and national rates.

# SOUTH END: SUMMARY of MAJOR FINDINGS – CHALLENGES

- **Low Birthweight Births**– Although the low birthweight rate for the South (9% of births) is slightly below that of Boston, it is still substantially higher than the Healthy People 2010 target of no more than 5%.
- **ED Intentional Injury Visits** – Of visits made to hospital EDs by South End youth (ages 0-17) and young adults (ages 18-24) for intentional injuries, 81% of them were made by South End youth for fights in which no weapon was involved.
- **Assault-Related Nonfatal Shootings and Stabbings** – The South End rate of non-fatal gunshot victims (6 per 10,000 pop.) was twice the Boston overall rate.

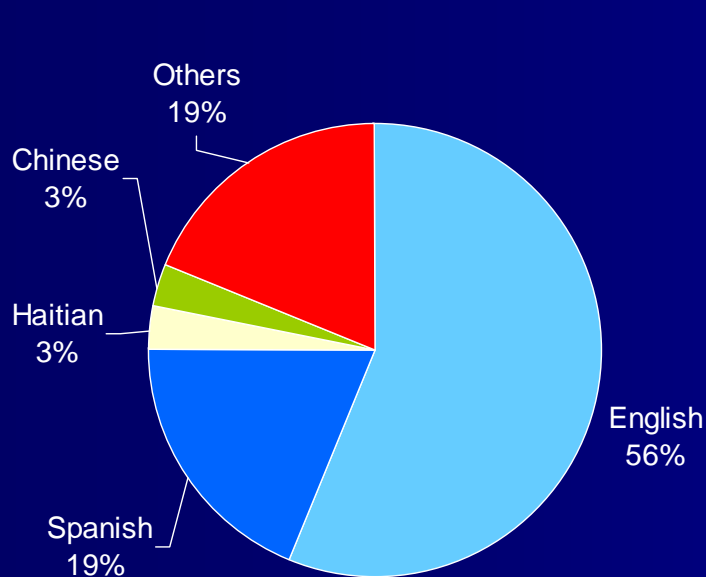


# **BPHC YOUTH PROGRAMS**

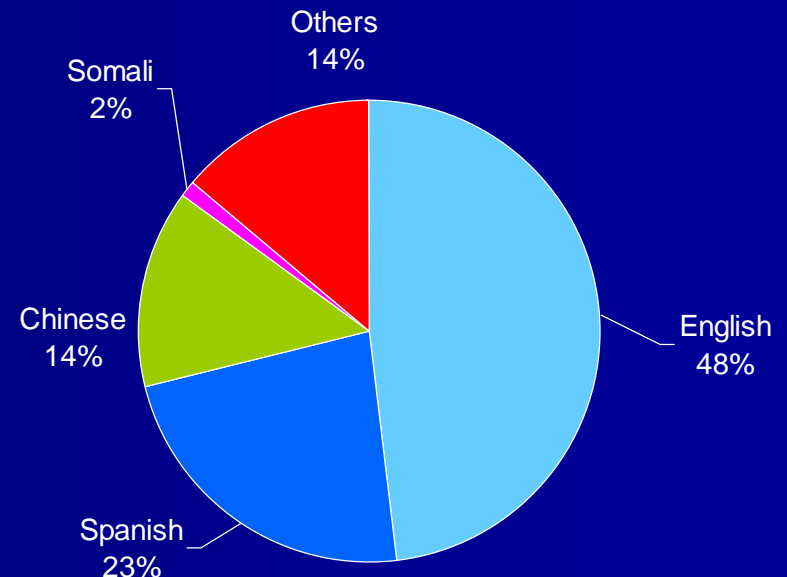
- **Adolescent Wellness Program**
- **Boston Area Health Education Center (BAHEC)**
- **Child and Adolescent Mental Health**
- **Connecting Families to Schools**
- **School Based Health Programs**
  - **Parochial, Private & Charter School Program**
  - **Public School Program**
- **Youth Development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

# Slides Not Included in the Presentation

# Language Spoken Boston and the South End, 2005



**Boston**



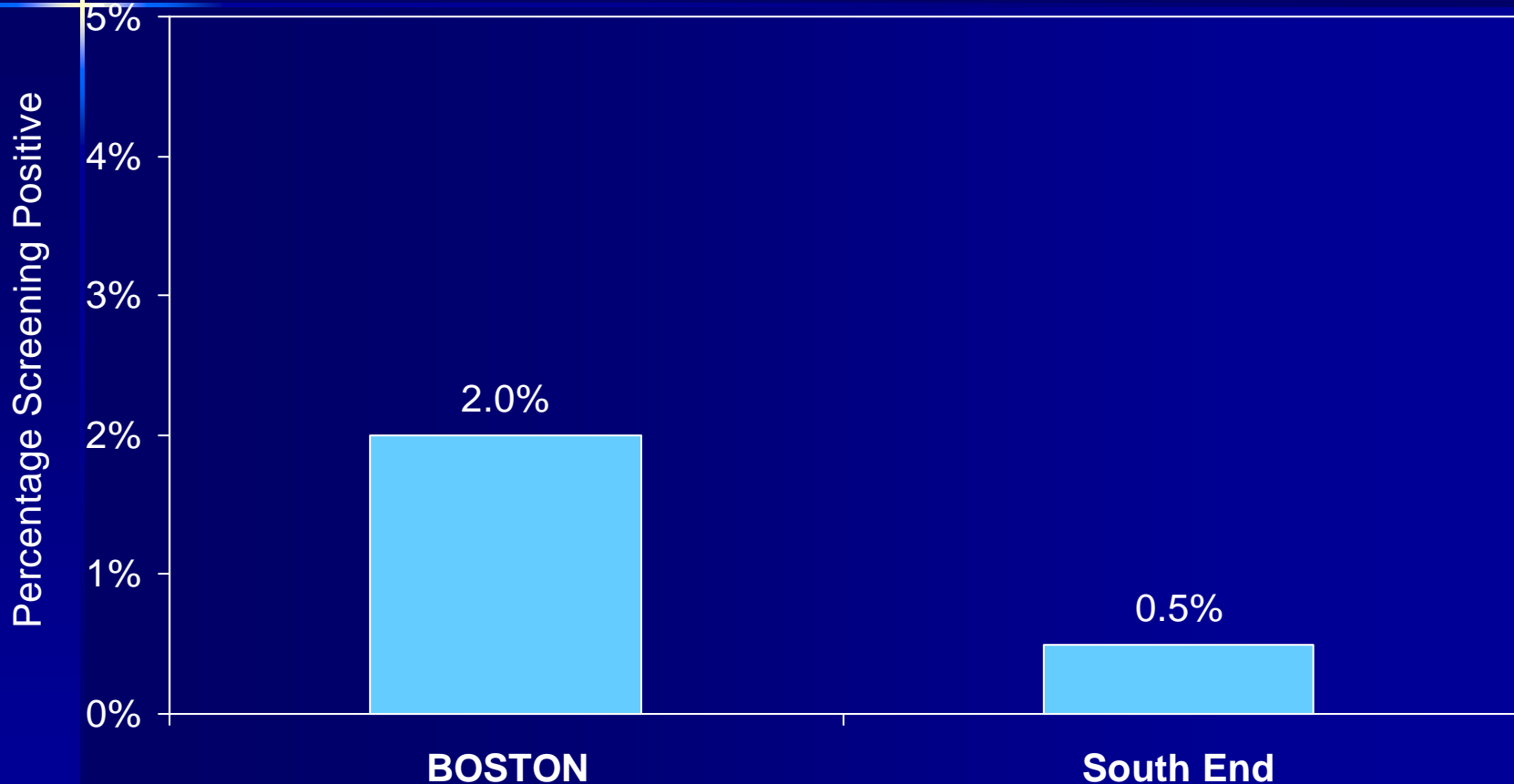
**South End**

# ENVIRONMENTAL LEAD

ASTHMA



# Children with Elevated Blood Lead Levels in the South End: Percentages for Screened Population, Boston, 2006



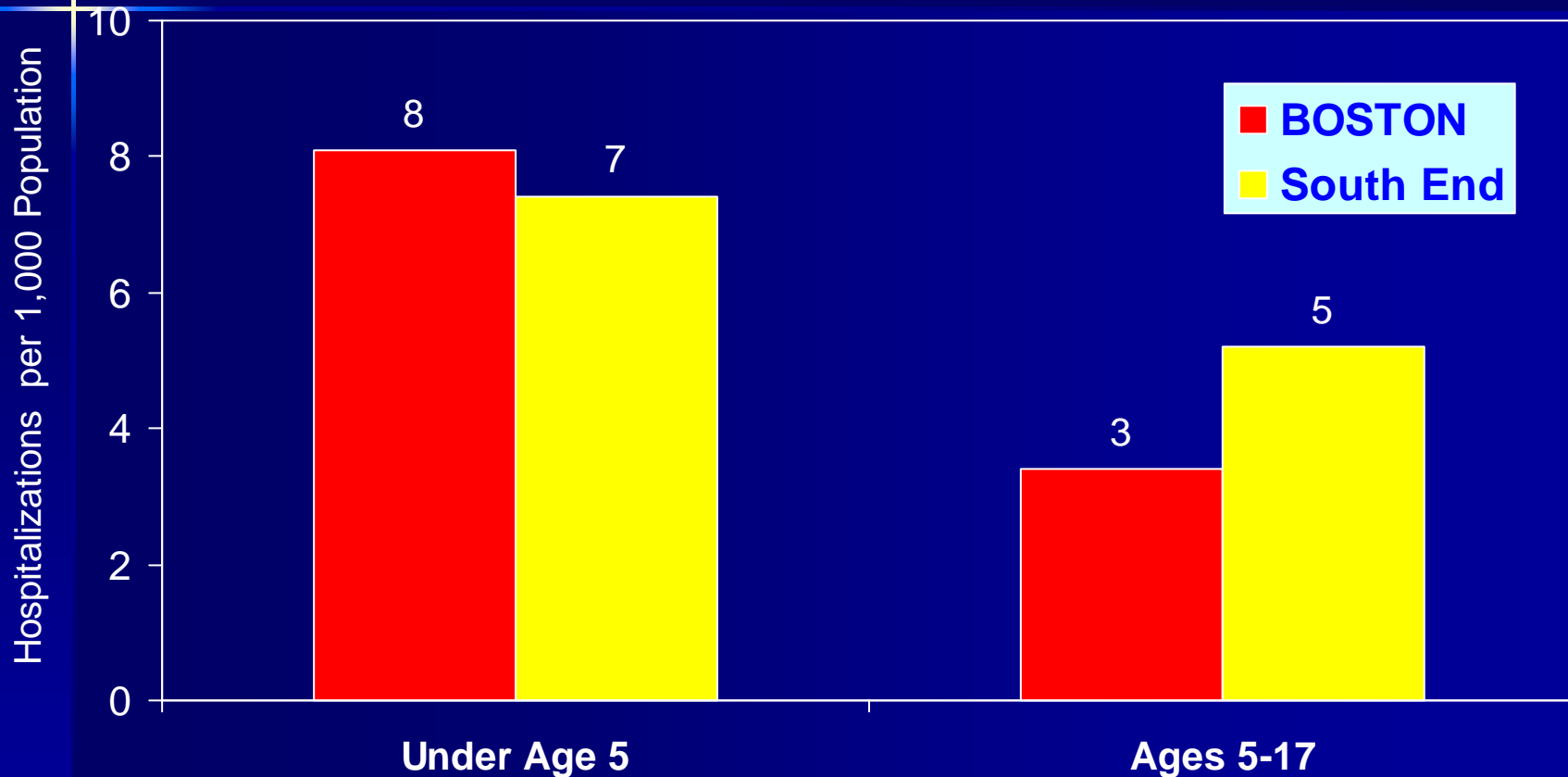
NOTE: The data shown in the chart do not include those children whose neighborhood of residence is unknown nor those children who are not Boston residents.

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 South End, 2004-2006

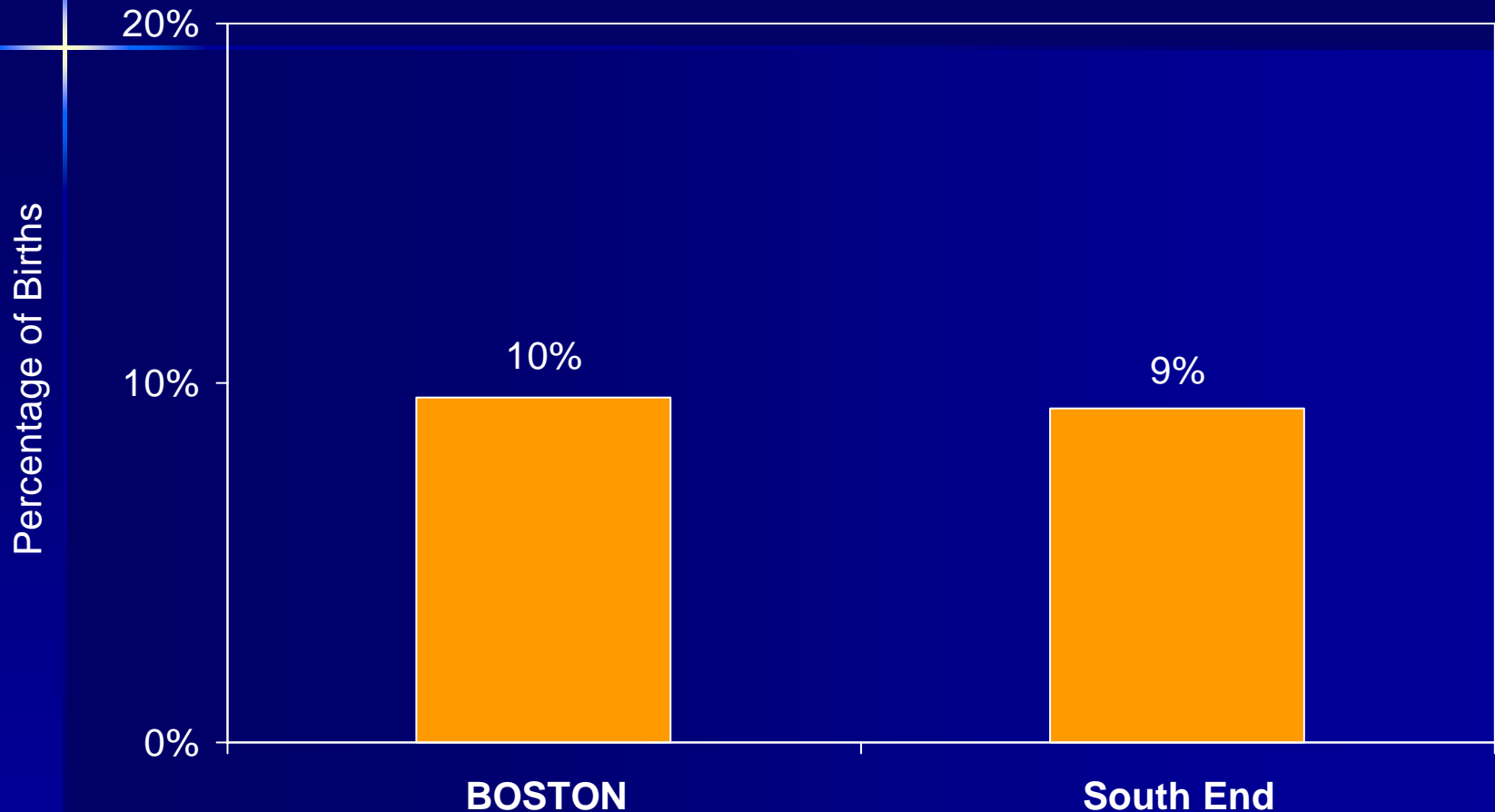


DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy  
DATA ANALYSIS: Boston Public Health Commission Research Office

# MATERNAL AND CHILD



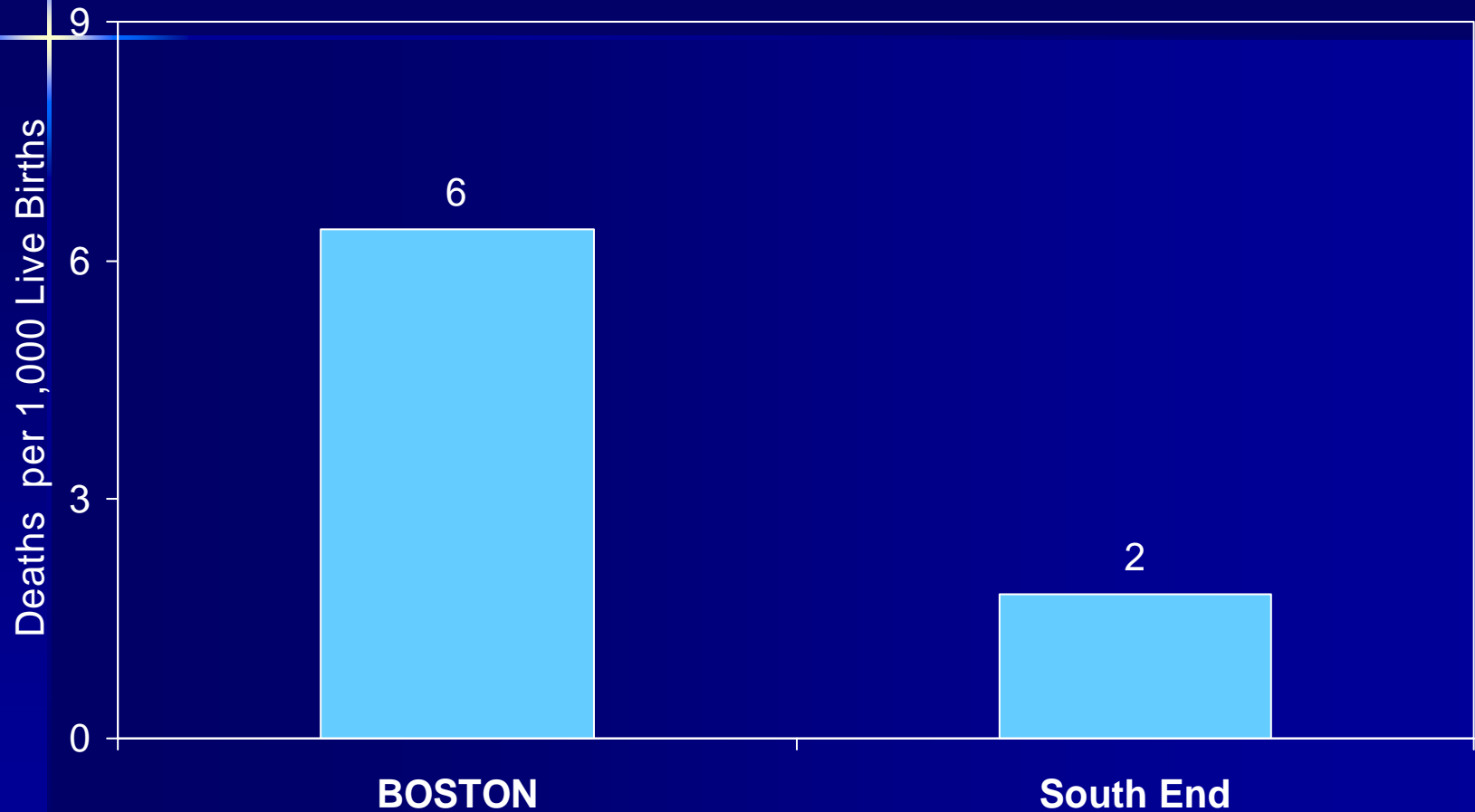
# Low Birthweight Boston and South End, 2005



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

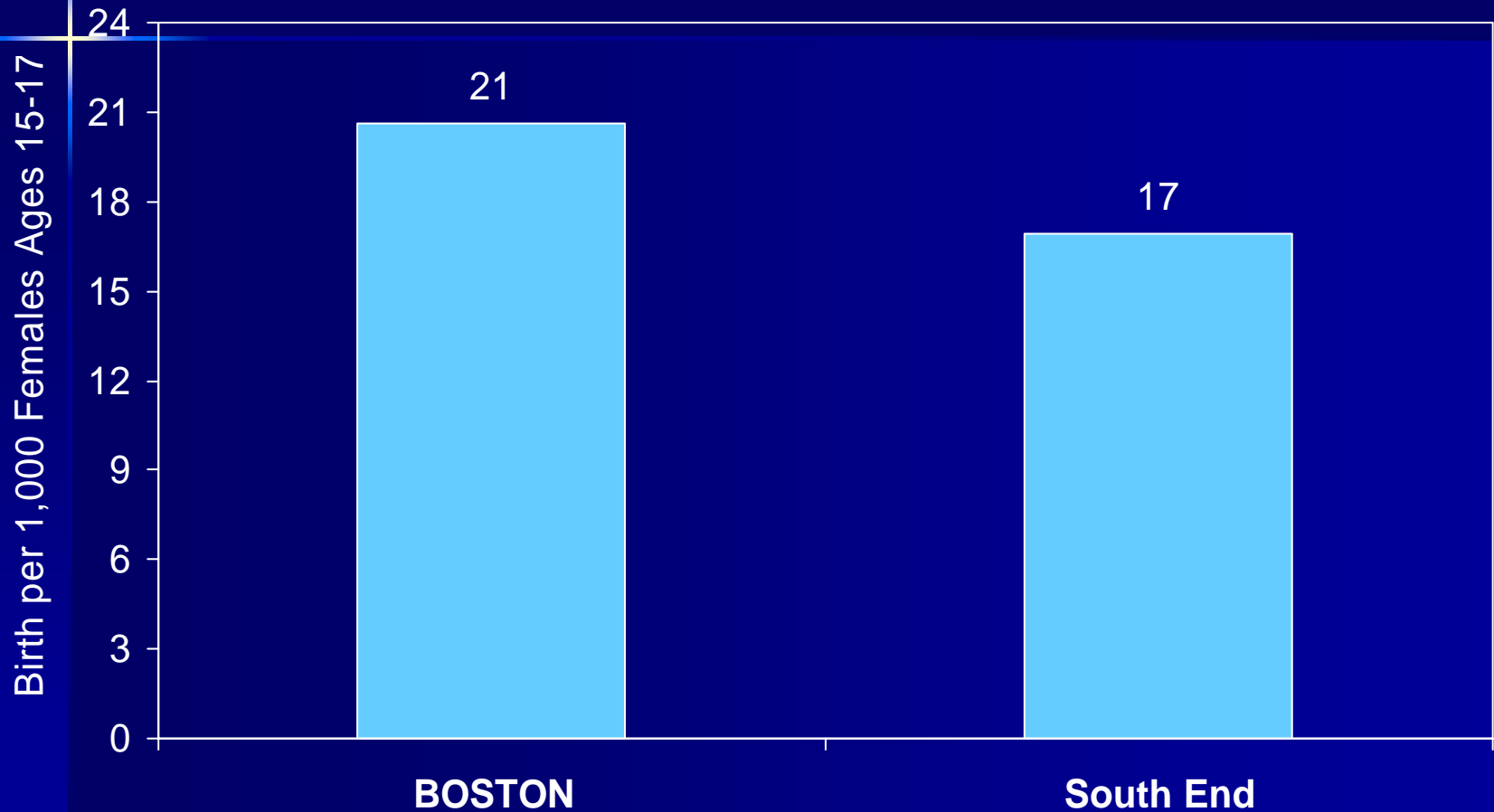


# Infant Mortality: Boston and South End, 2001-2005



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 in the South End, 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, South End, 2006

<b>Ages 1-9</b>	<b>Ages 10-17</b>	<b>Ages 18-24</b>
1. Bronchitis/Asthma	Pregnancy	Pregnancy
2. Simple Pneumonia*	Bronchitis/Asthma	Injury
3. Nutritional & Metabolic Disorder	Psychoses	Red Blood Cell Disorder
4. Seizure & Headache	n<5	HIV
5. n<5	n<5	Substance Abuse

\*Includes Pleurisy

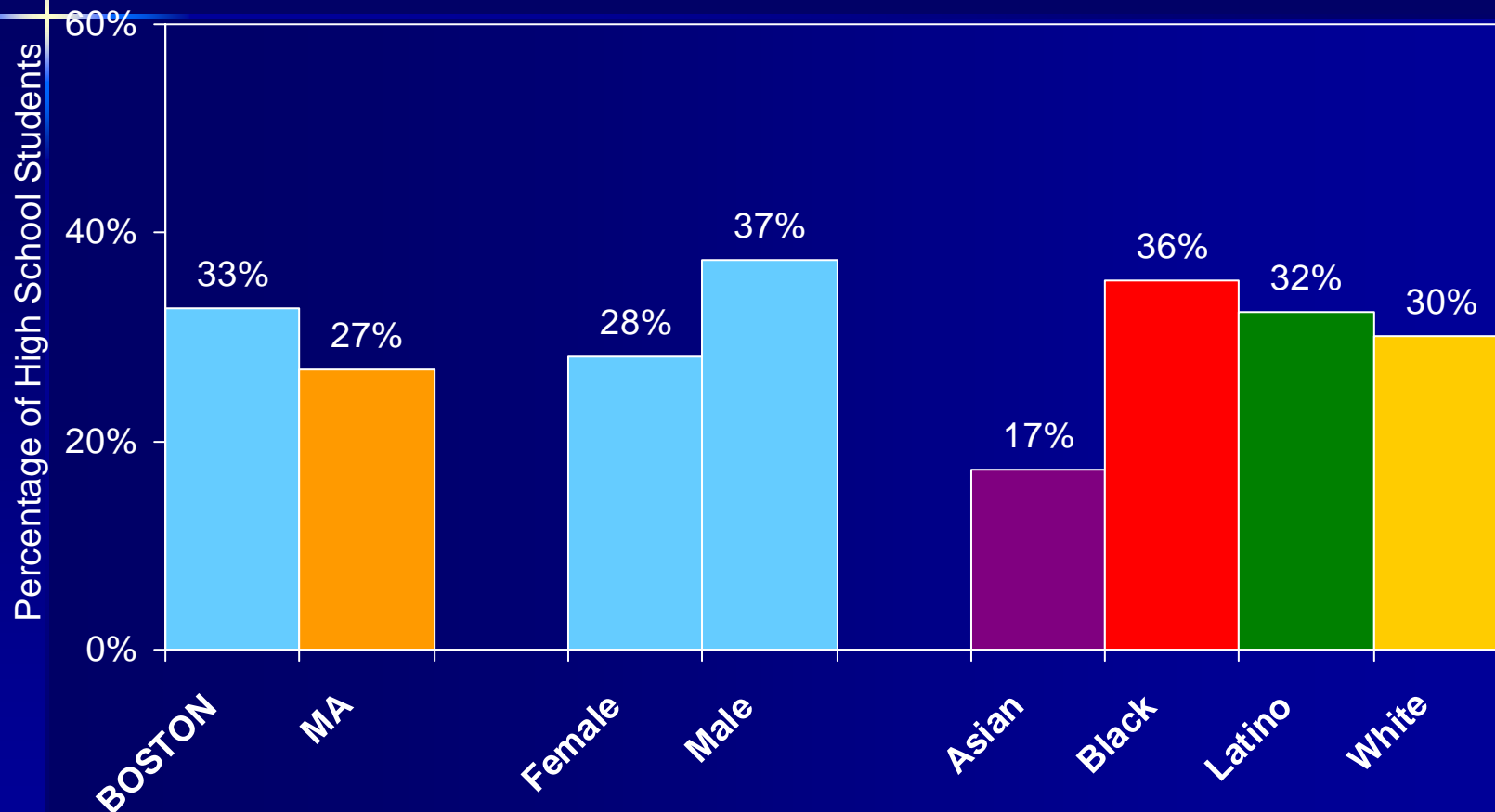
DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy

DATA ANALYSIS: Boston Public Health Commission Research Office

# OVERWEIGHT and OBESITY

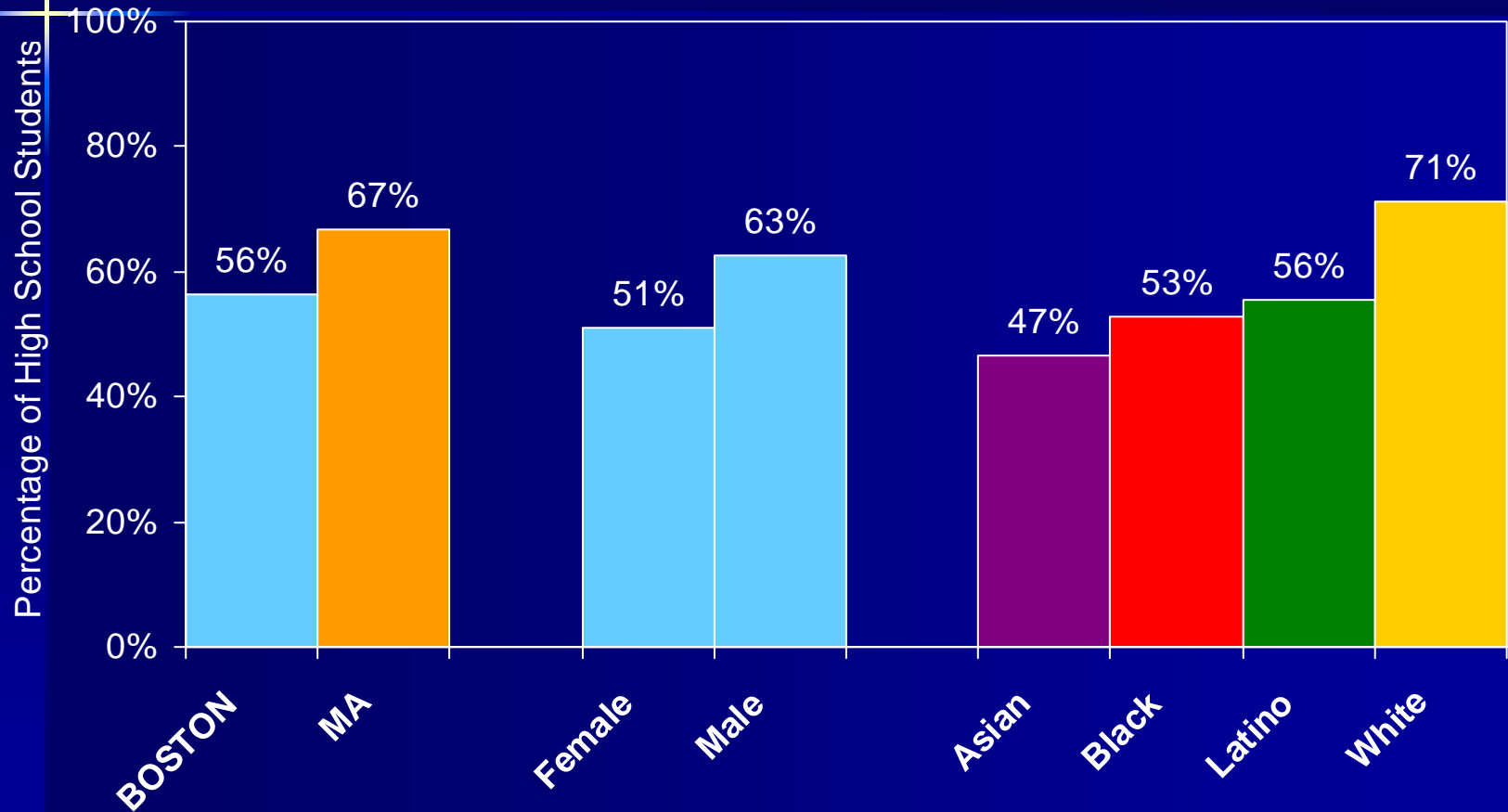


# At Risk for Overweight or Overweight/Obese, High School Students Boston, 2005



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

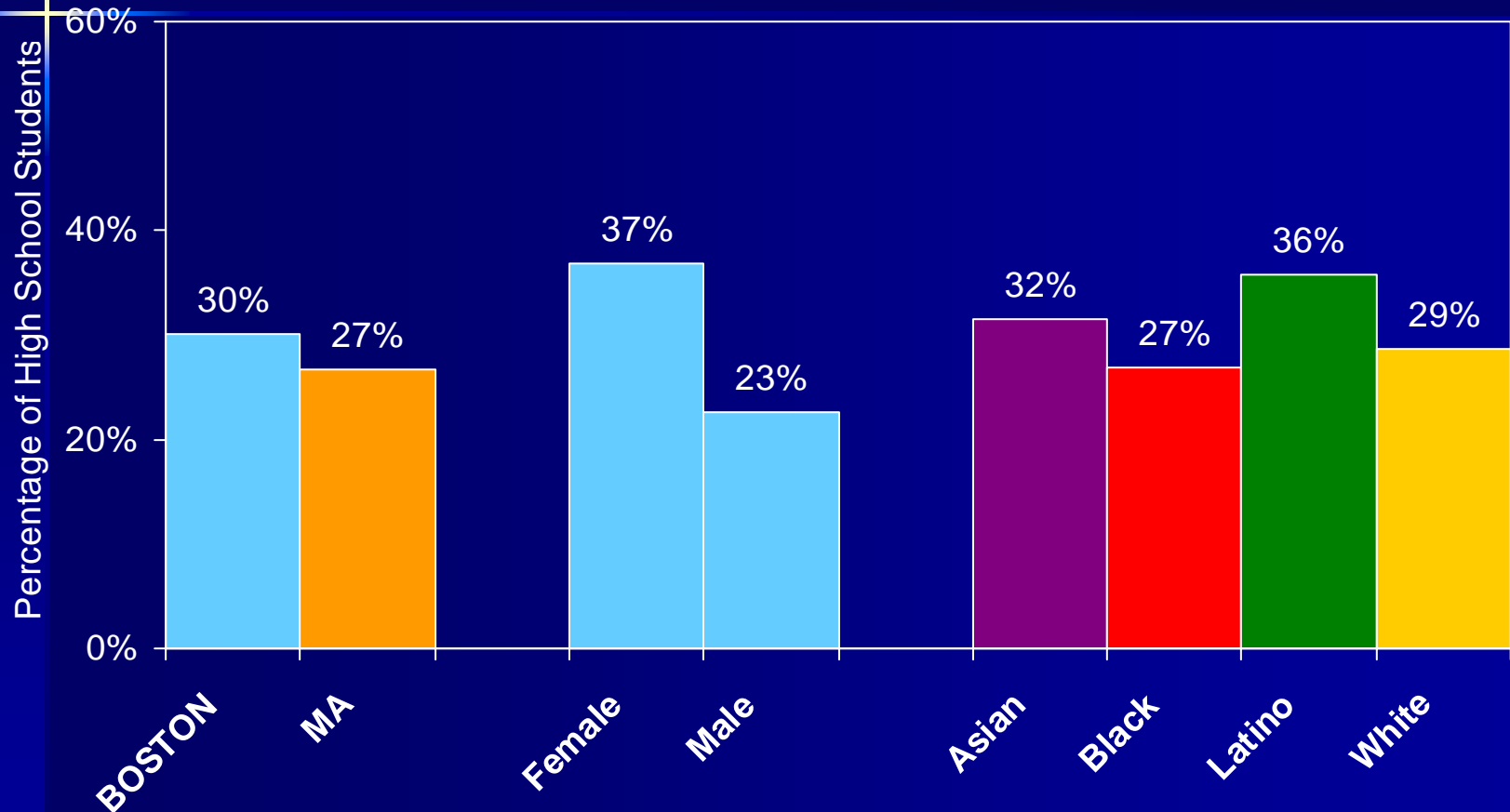


DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)  
DATA ANALYSIS: Boston Public Health Commission Research Office

# MENTAL HEALTH



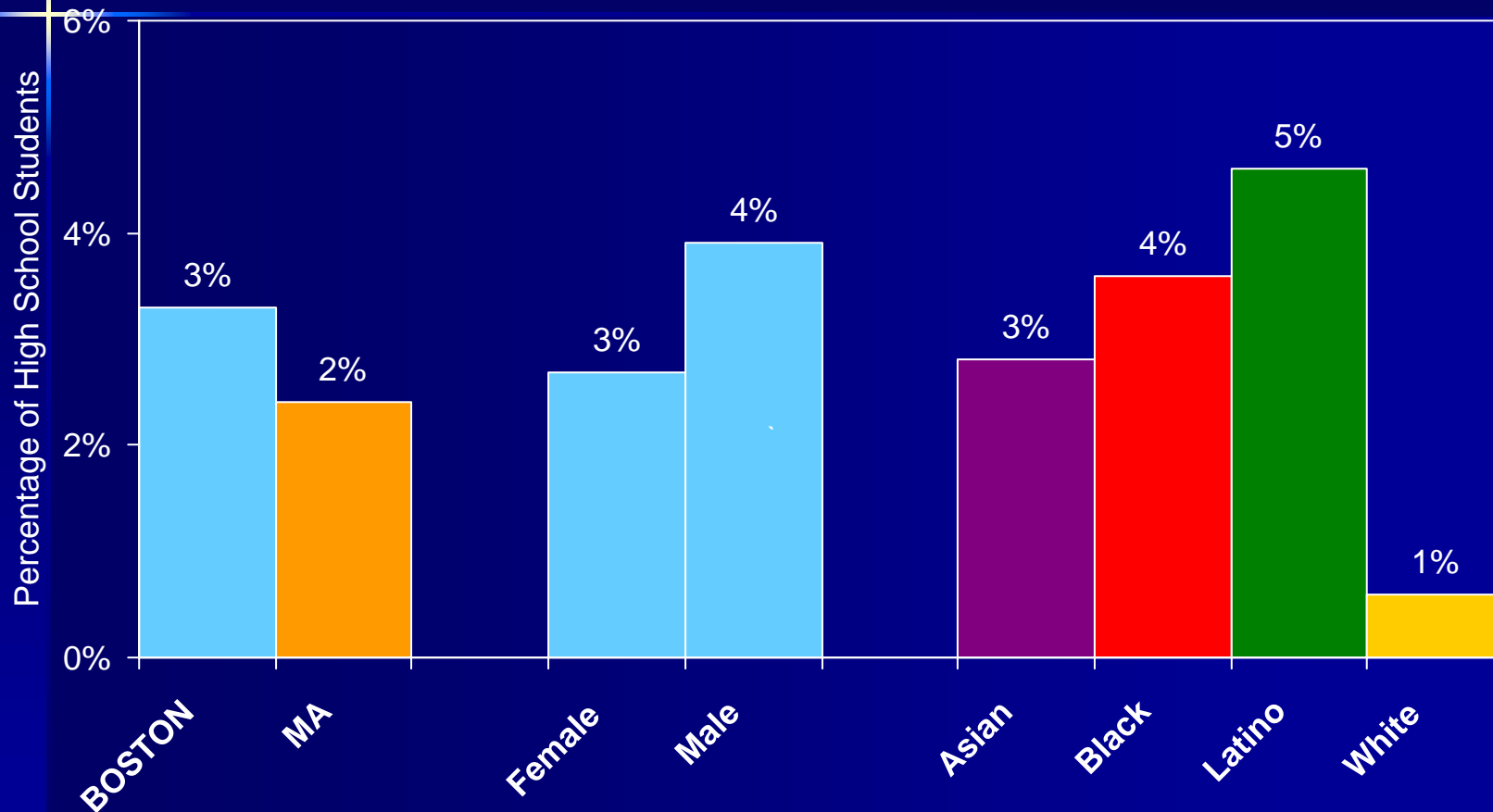
# Felt Sad/Hopeless for Two Weeks Straight During Past Year, High School Students Boston, 2005



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



# RISKY BEHAVIOR

