

Community Youth Meetings 2007

Health Status of Youth: Roxbury

November 7, 2007

Presented by the Boston Public Health
Commission

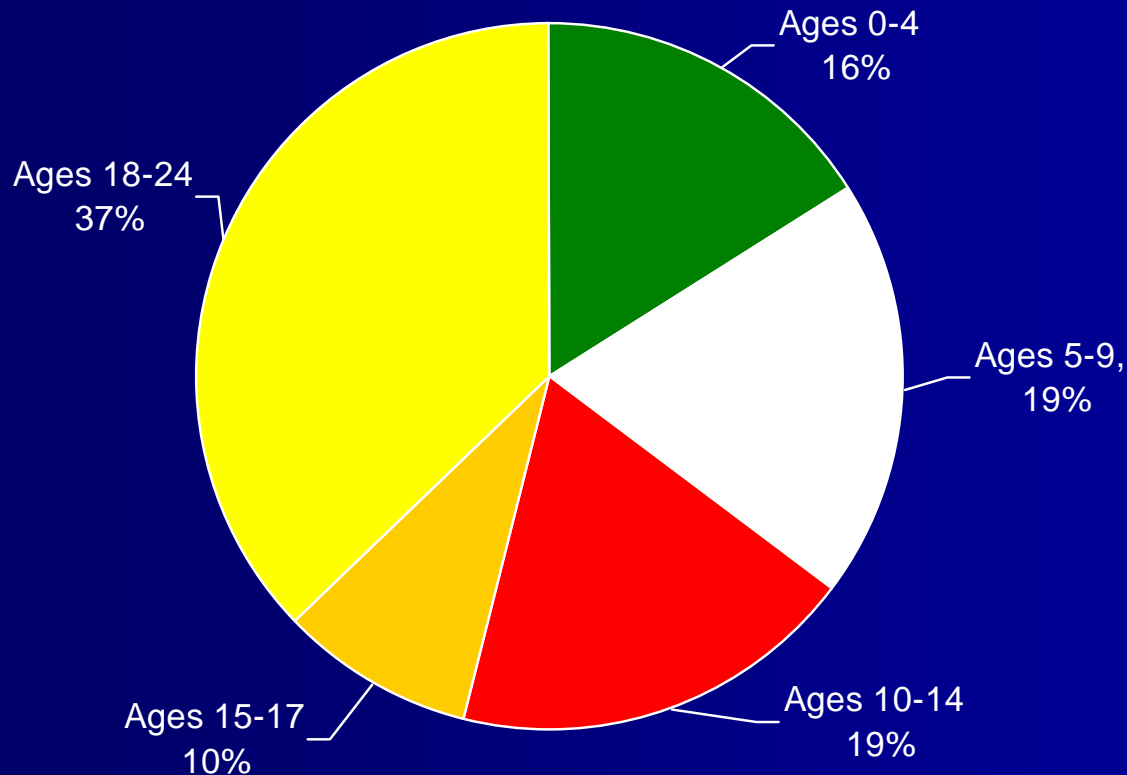


Roxbury



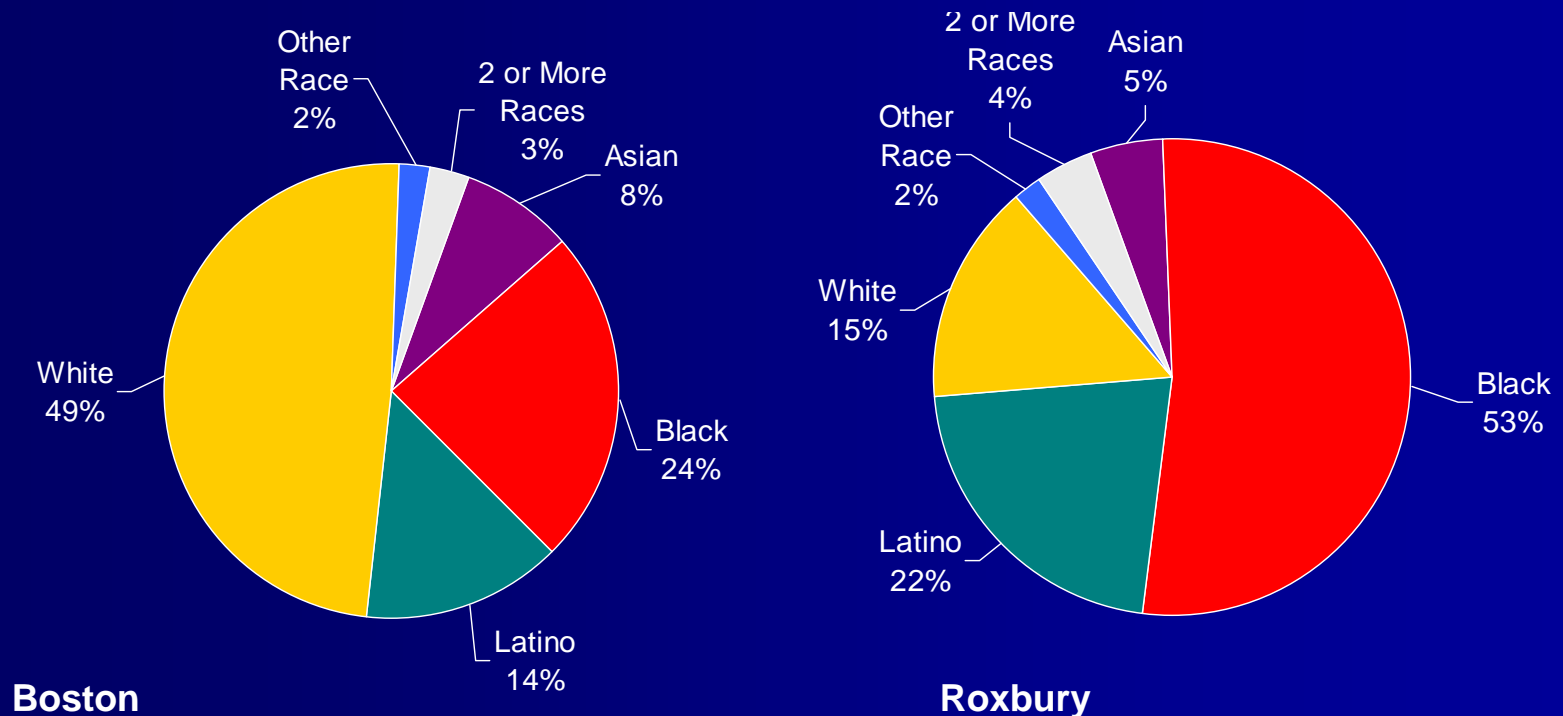
MAP PREPARATION:
Boston Public Health Commission
Research Office

Youth and Young Adult Population by Age, Roxbury, 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 Roxbury, 2000



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 and Roxbury, 2000

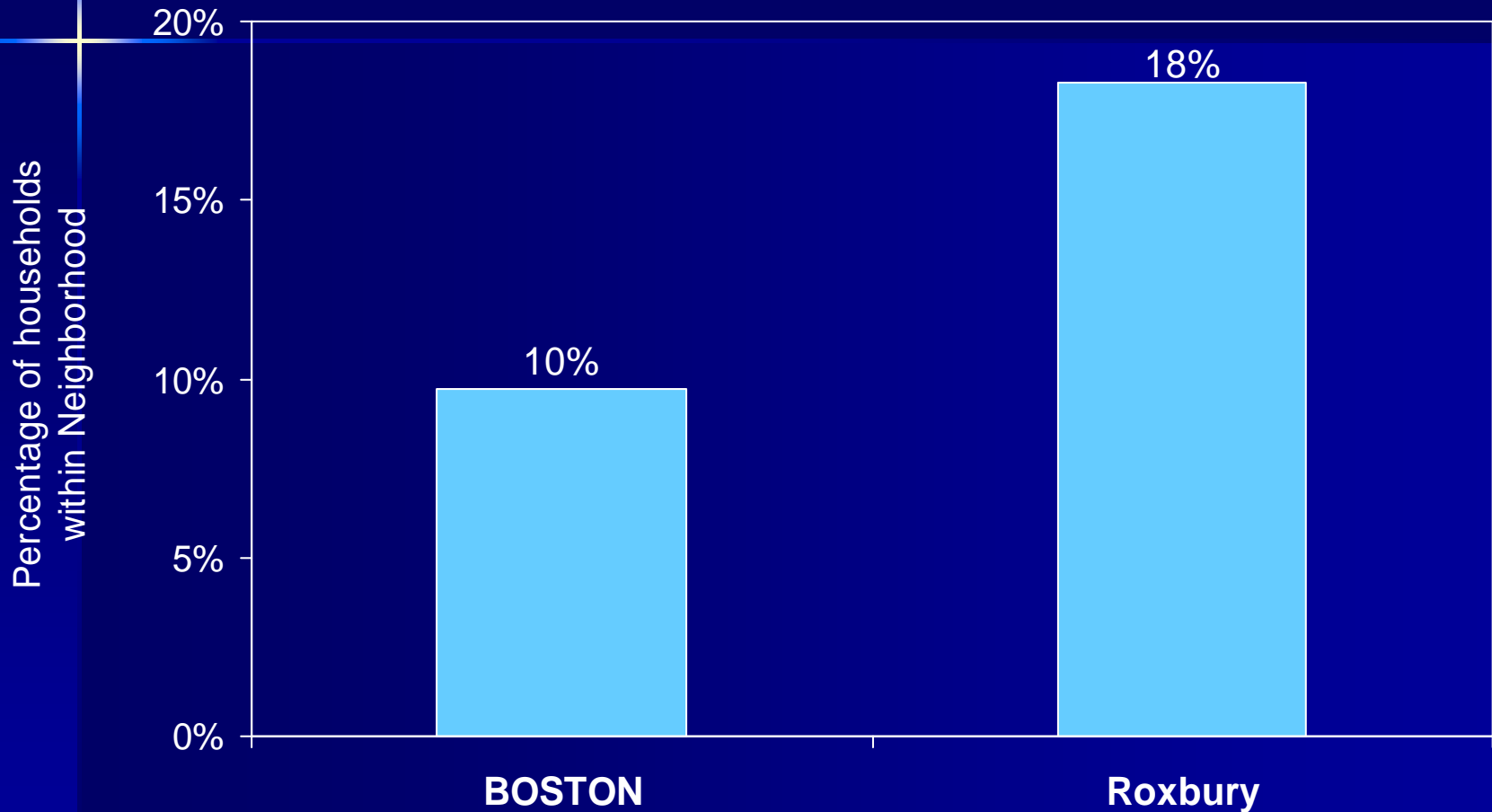
Indicator	Boston	Roxbury
% of Population with Less Than High School Diploma or GED (Adults Ages 25 and Over)	21%	29%
% of Population Below Poverty Level*	20%	29%
% of Children (Under 18) Below Poverty Level*	26%	35%
% of Adults 65 and Older Below Poverty Level*	18%	27%
Median household income (1999)*	\$39,629	\$26,515

*Based on 1999 income

DATA SOURCE: US 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, Roxbury, 2000



*No husband present. DATA SOURCE: U.S. Department of Commerce, Bureau of the Census, American FactFinder, Census 2000
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				

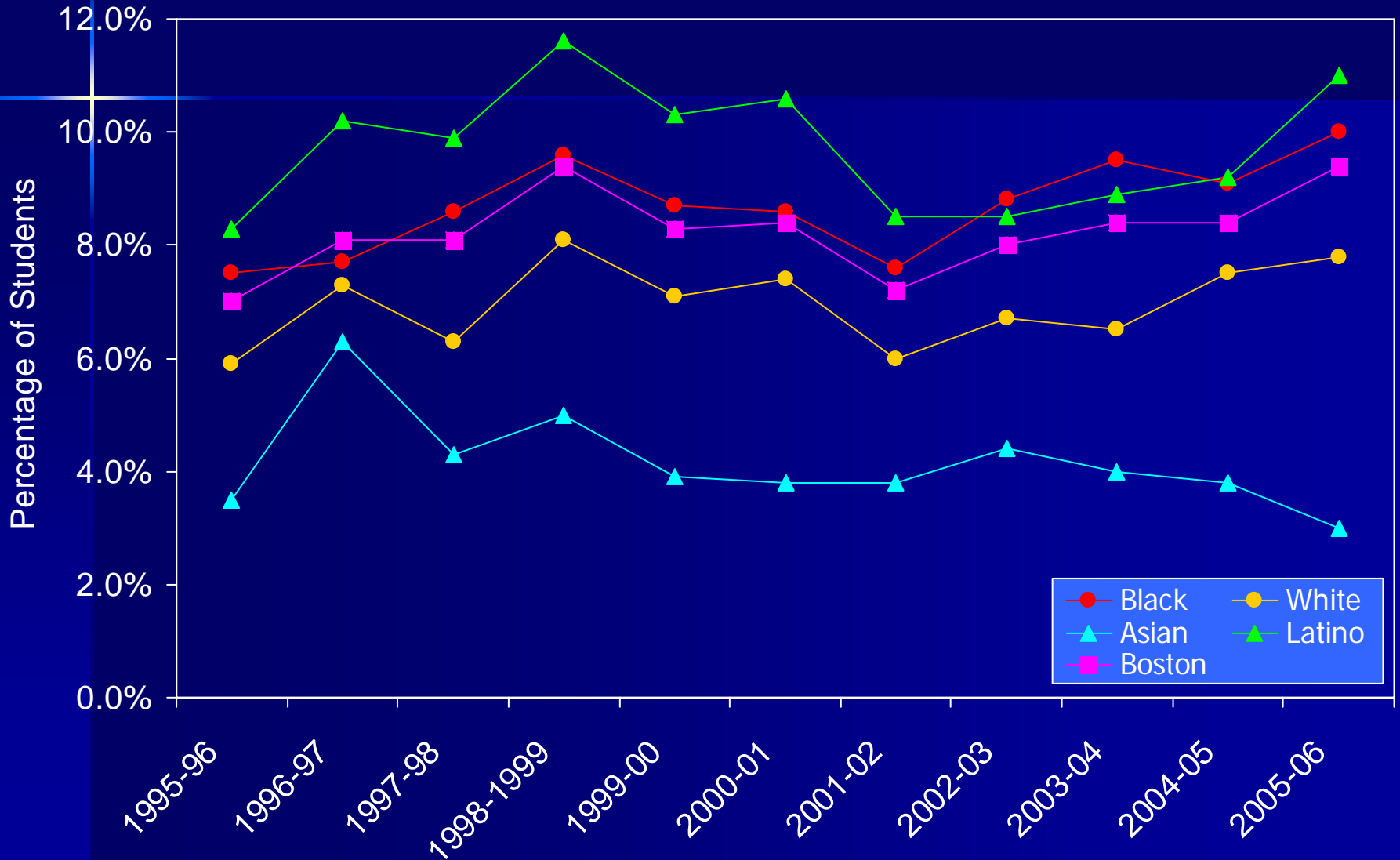
Grade Level 10 2007 MCAS Results for Mathematics in Boston

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

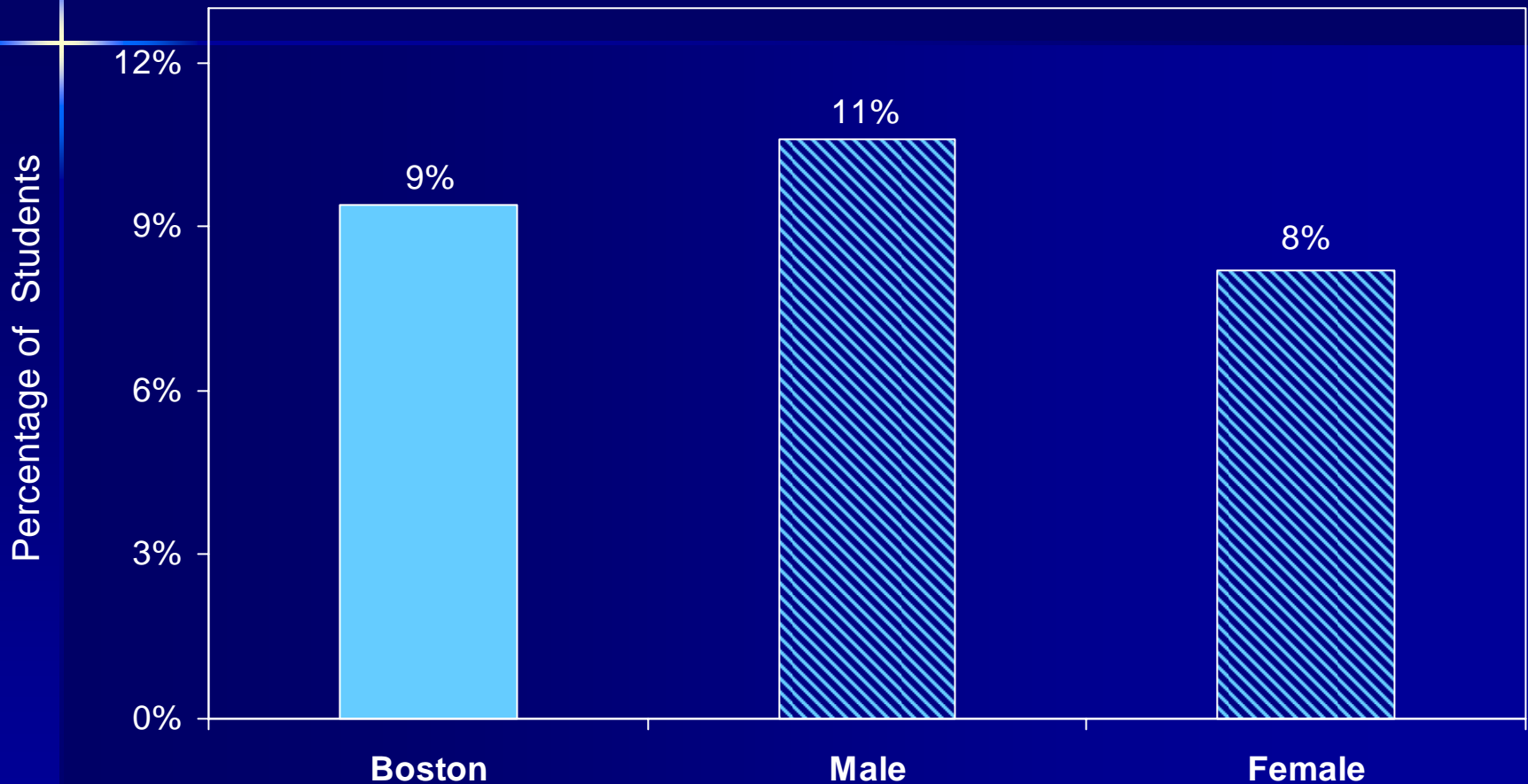
GRAPHIC: Boston Public Health Commission Research Office

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



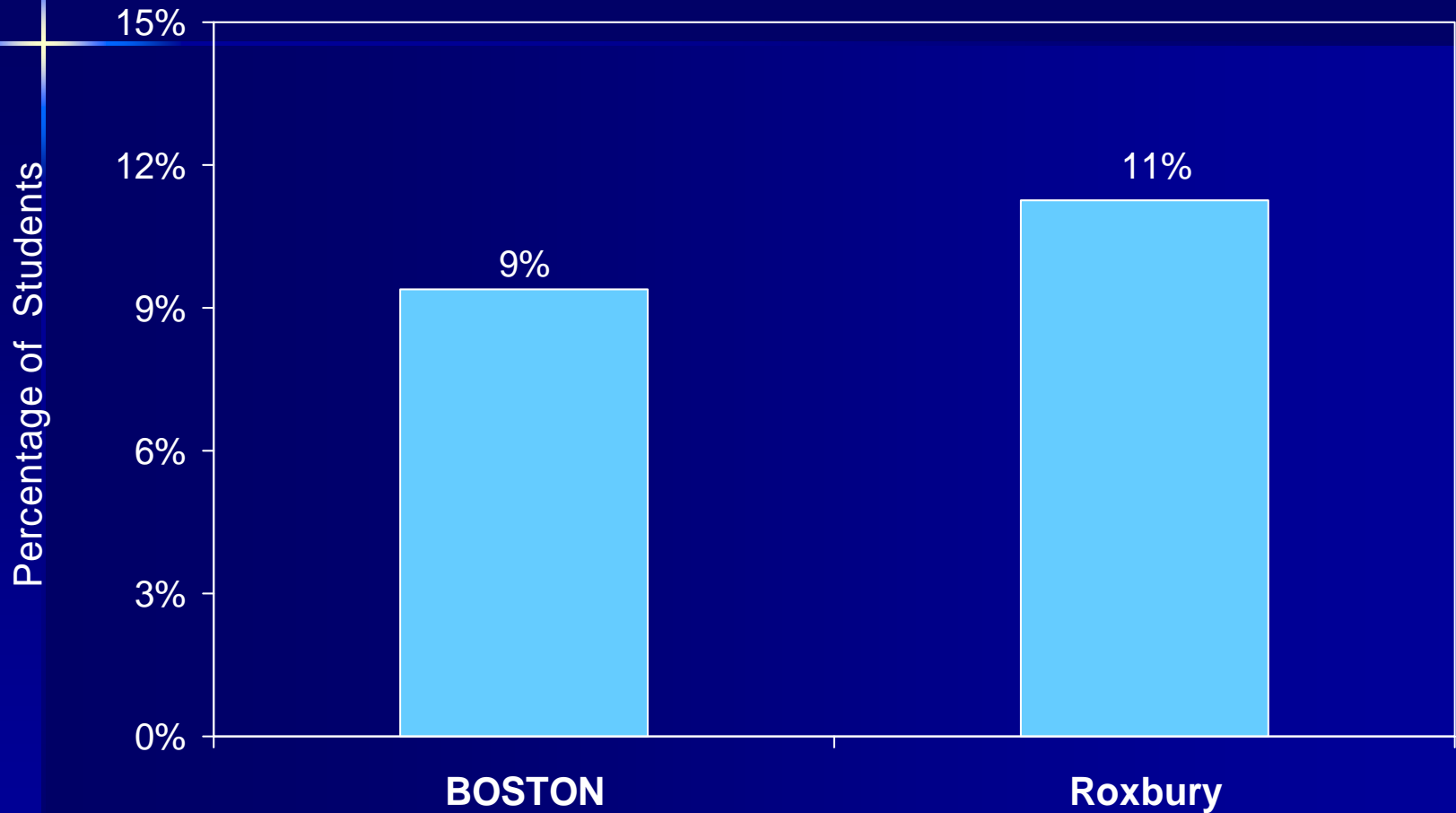
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
 GRAPHIC: Boston Public Health Commission Research Office

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



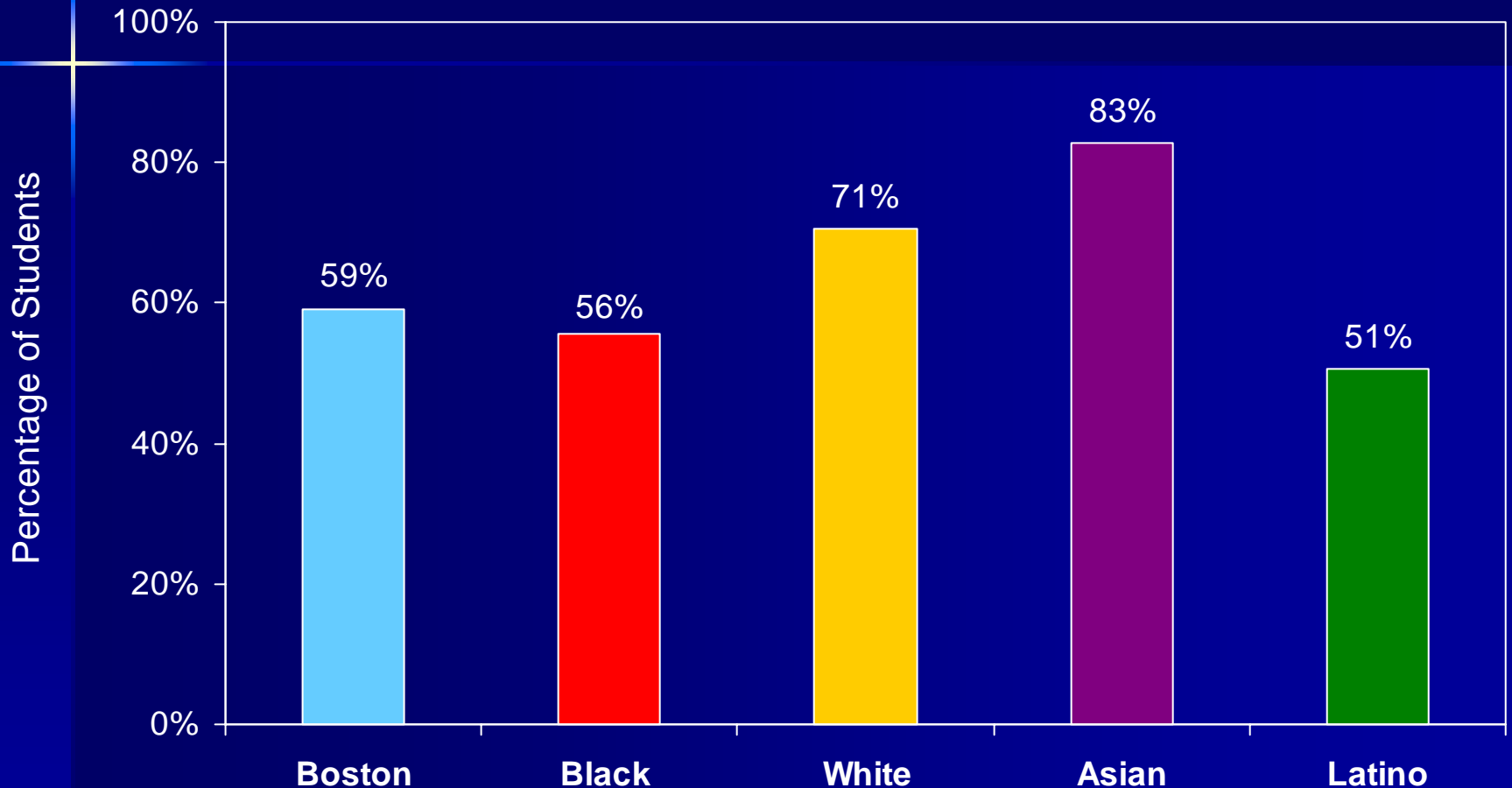
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
GRAPHIC: Boston Public Health Commission Research Office

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



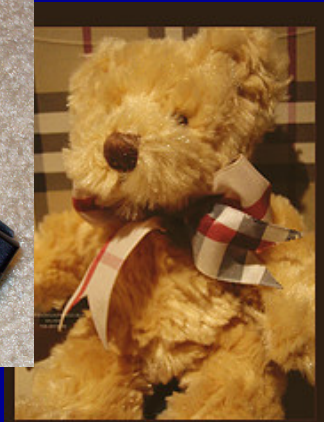
DATA SOURCE: Q and A, Boston Public Schools 2005-2006: Student Dropout
GRAPHIC: Boston Public Health Commission Research Office

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

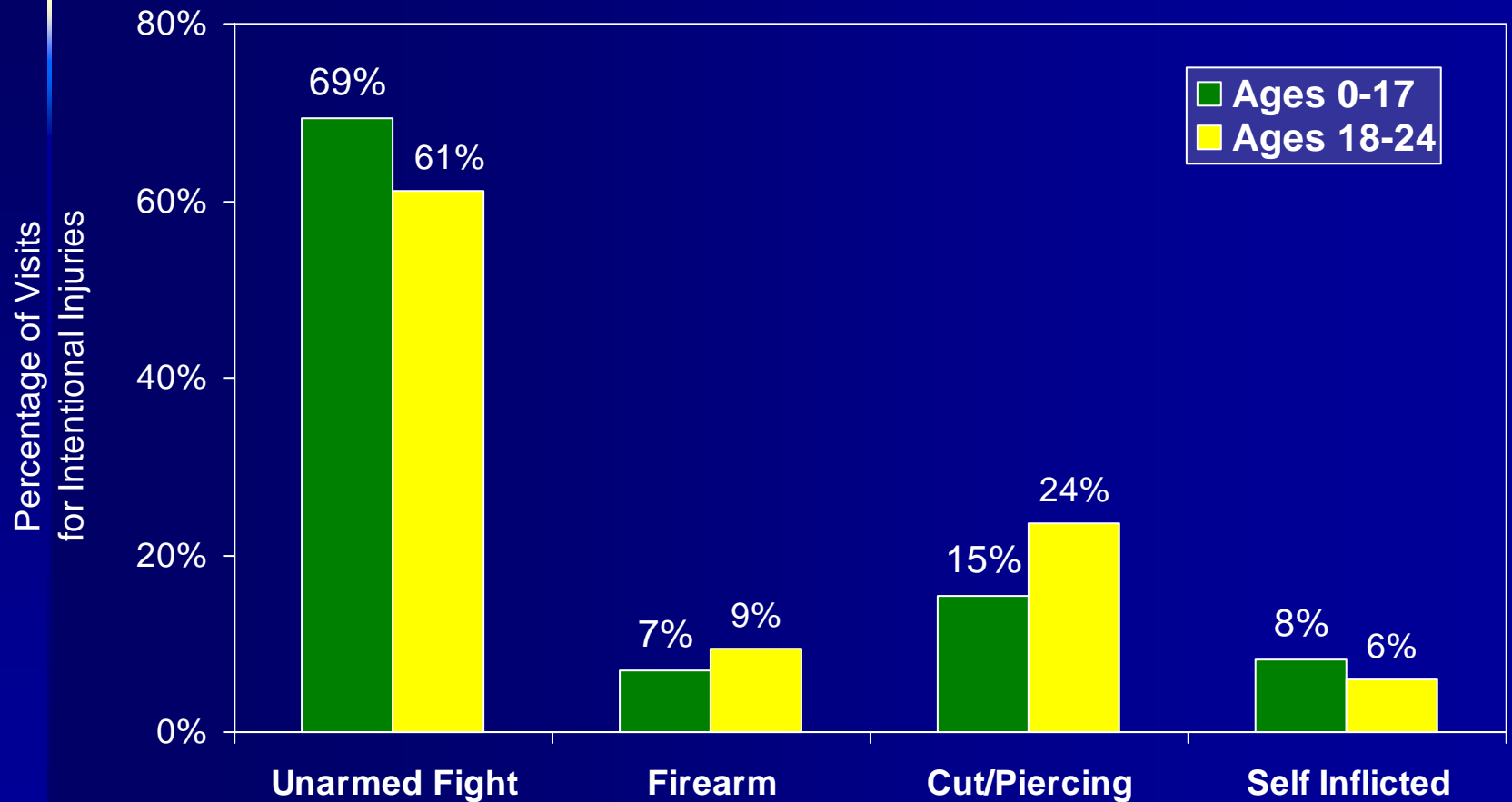


NOTES: Graduation rate Indicates the percentage of students who graduate with a regular high school diploma within 4 years.
of students in cohort who graduate in 4 years or less/ [# of 1st time entering 9th graders 4 years earlier] – transfers out + transfers in
DATA SOURCE: Massachusetts Department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

VIOLENCE and TRAUMA

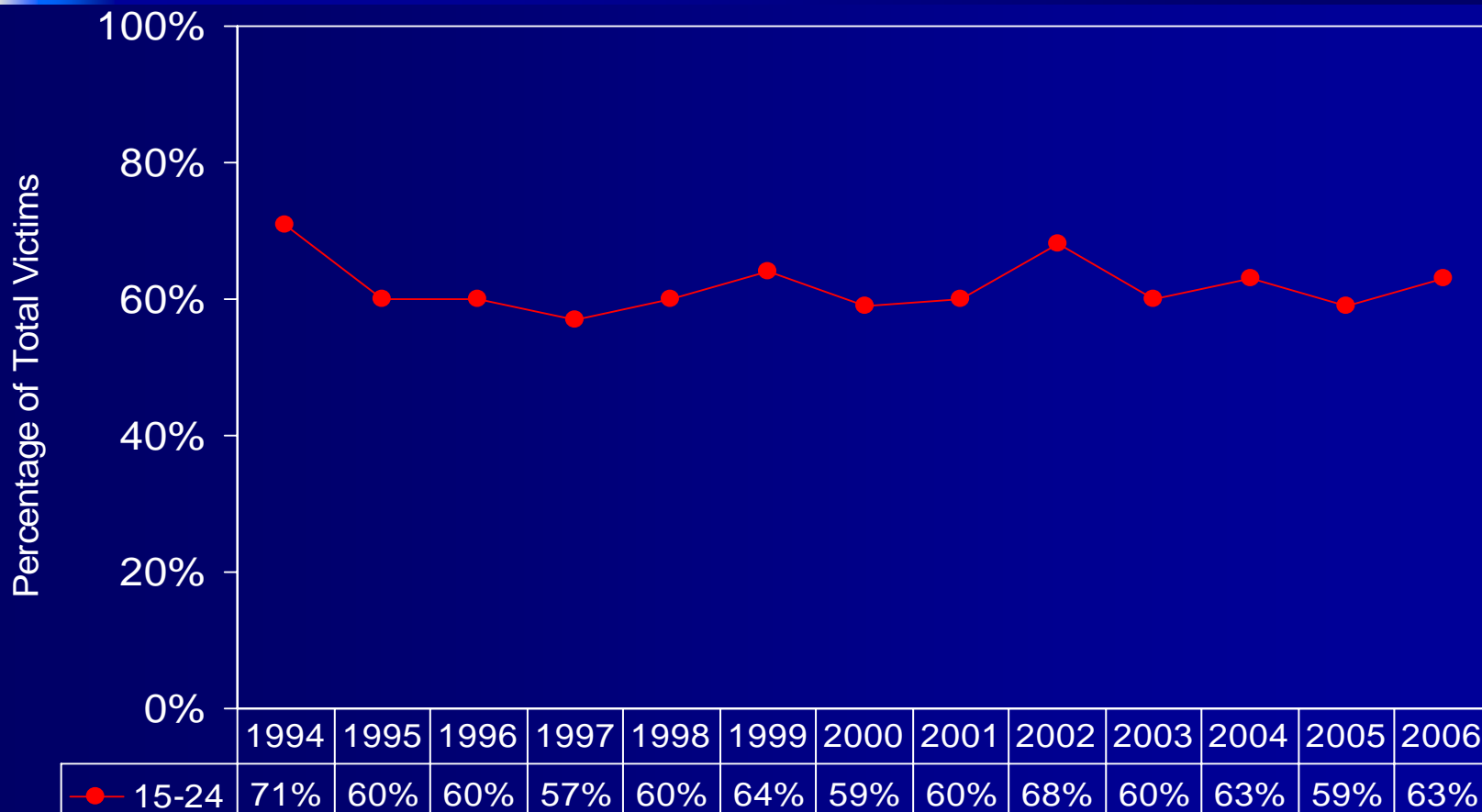


Emergency Department Intentional Injury Visits by Age and Type, Roxbury, 2005



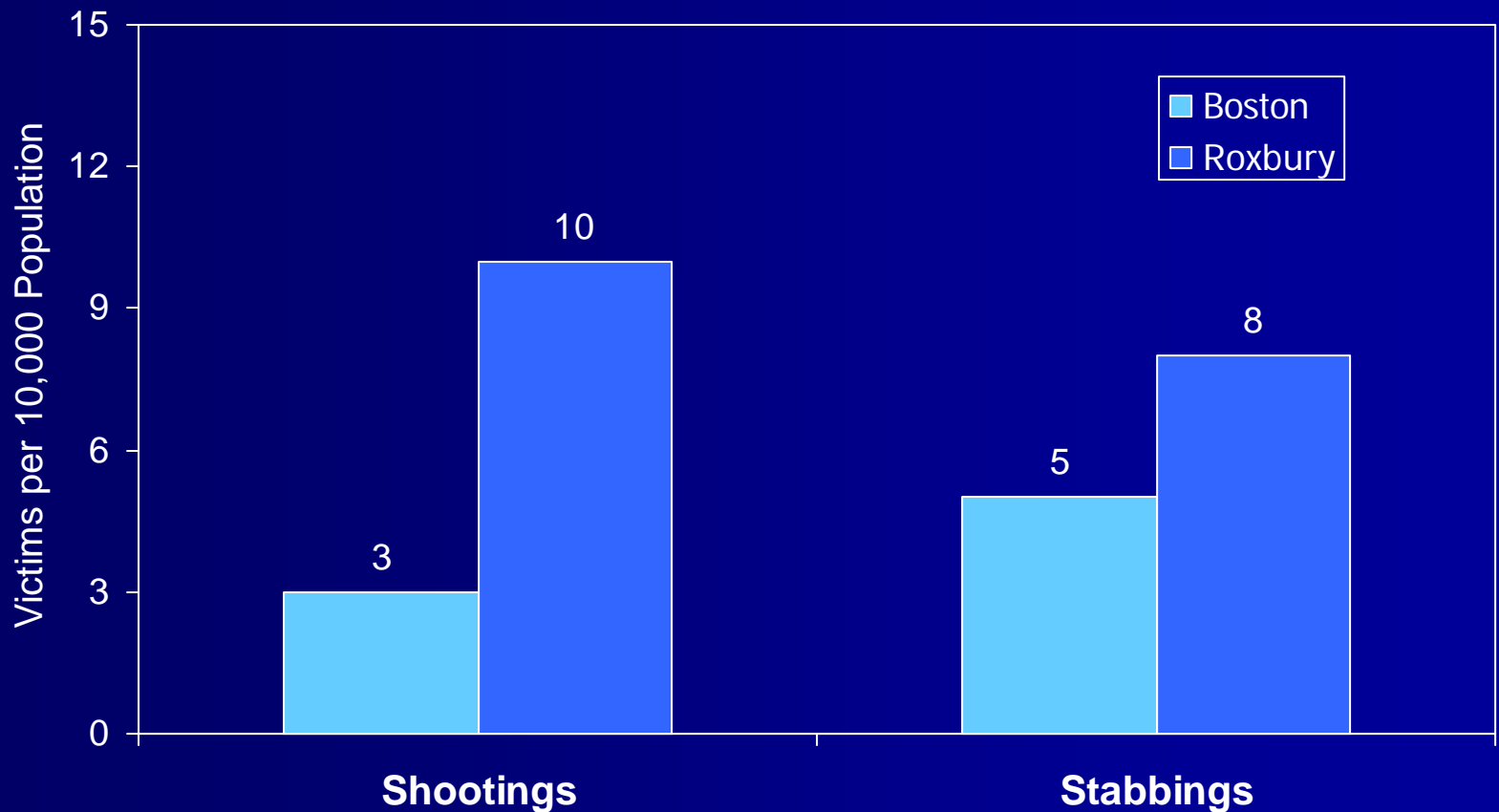
DATA SOURCE: Hospital Emergency Department Visit Data Base, Massachusetts Division of Health Care Finance and Policy
DATA ANALYSIS: Boston Public Health Commission Research Office

Nonfatal Assault-Related Gunshot Wound Victims by Age Group and Year Boston Residents, 1994-2006



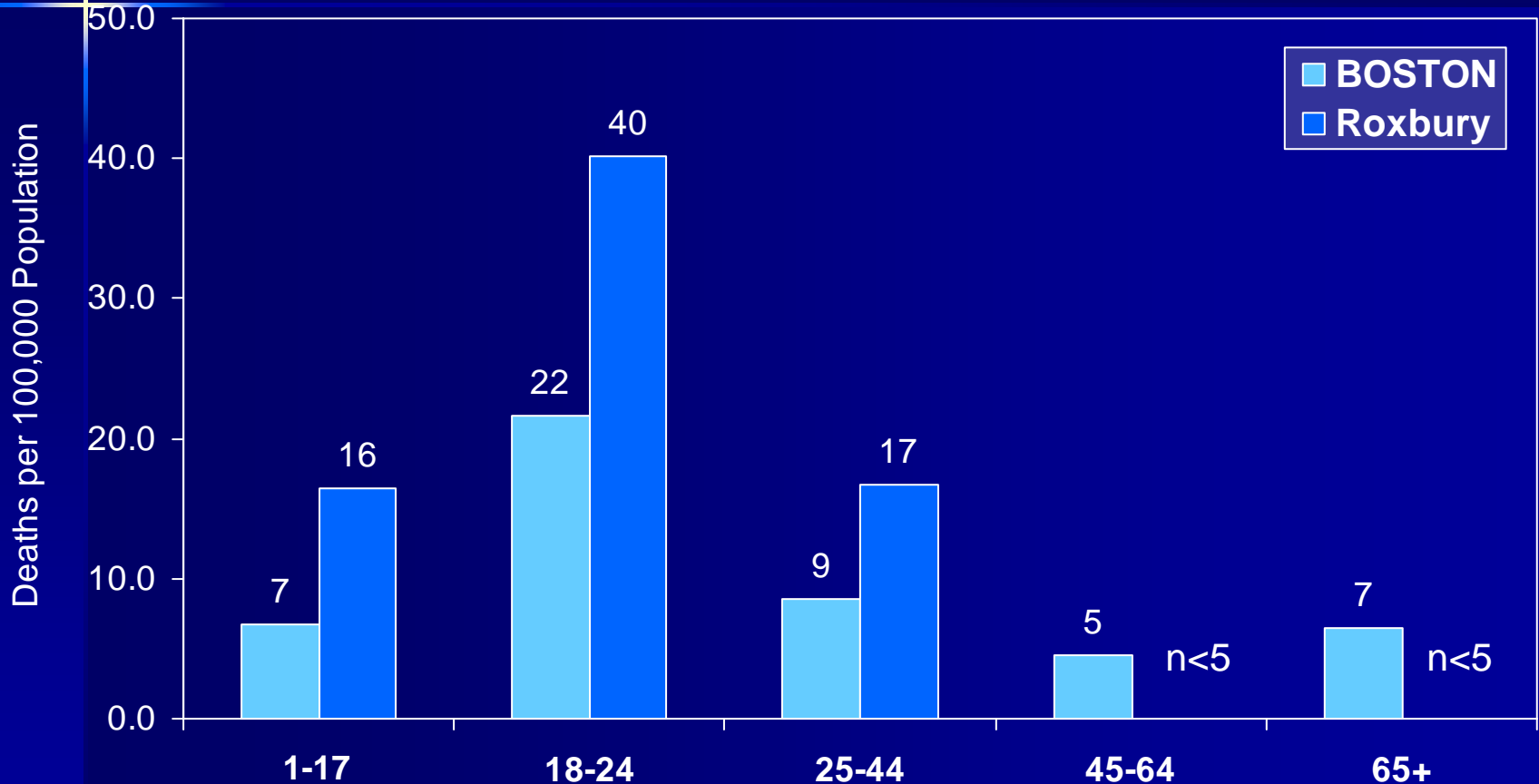
DATA SOURCE: Weapon-Related Injury Surveillance System (WRISS) Massachusetts Department of Public Health
 DATA ANALYSIS: Boston Public Health Commission Research Office

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



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

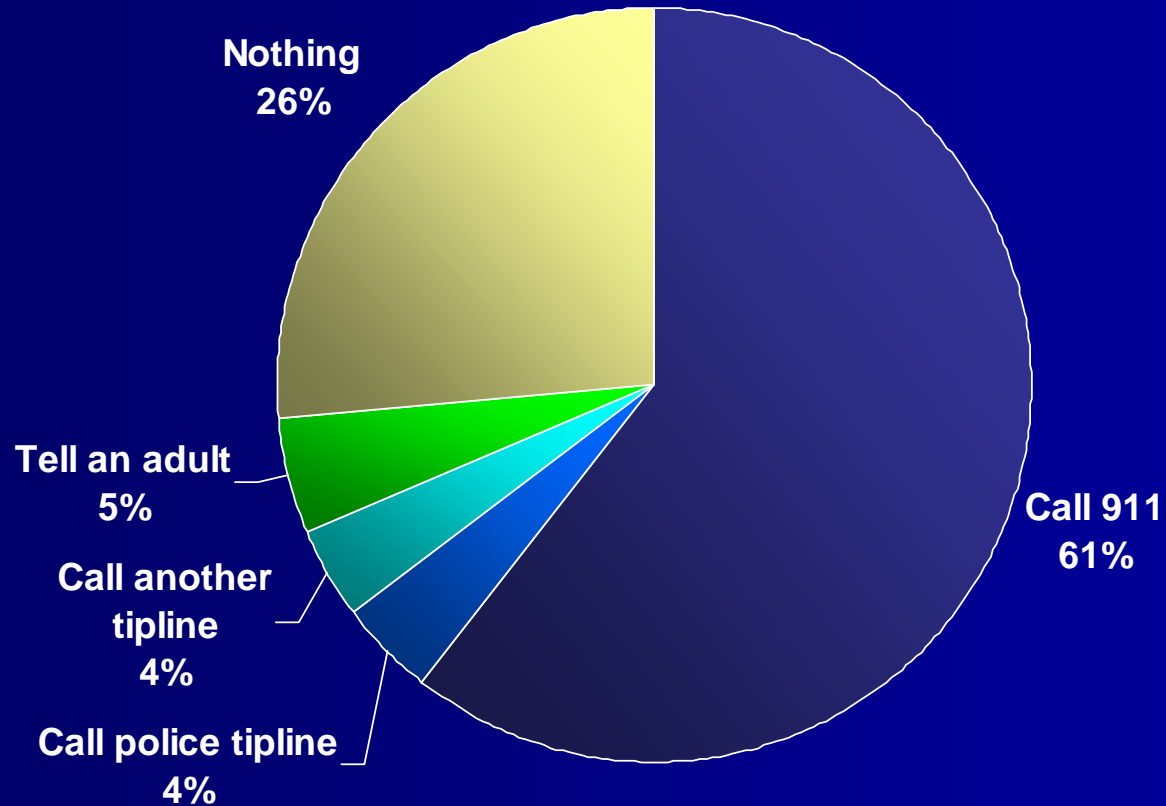
Homicide Mortality: Age-Specific Rates Boston and Roxbury, 2003-2005



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

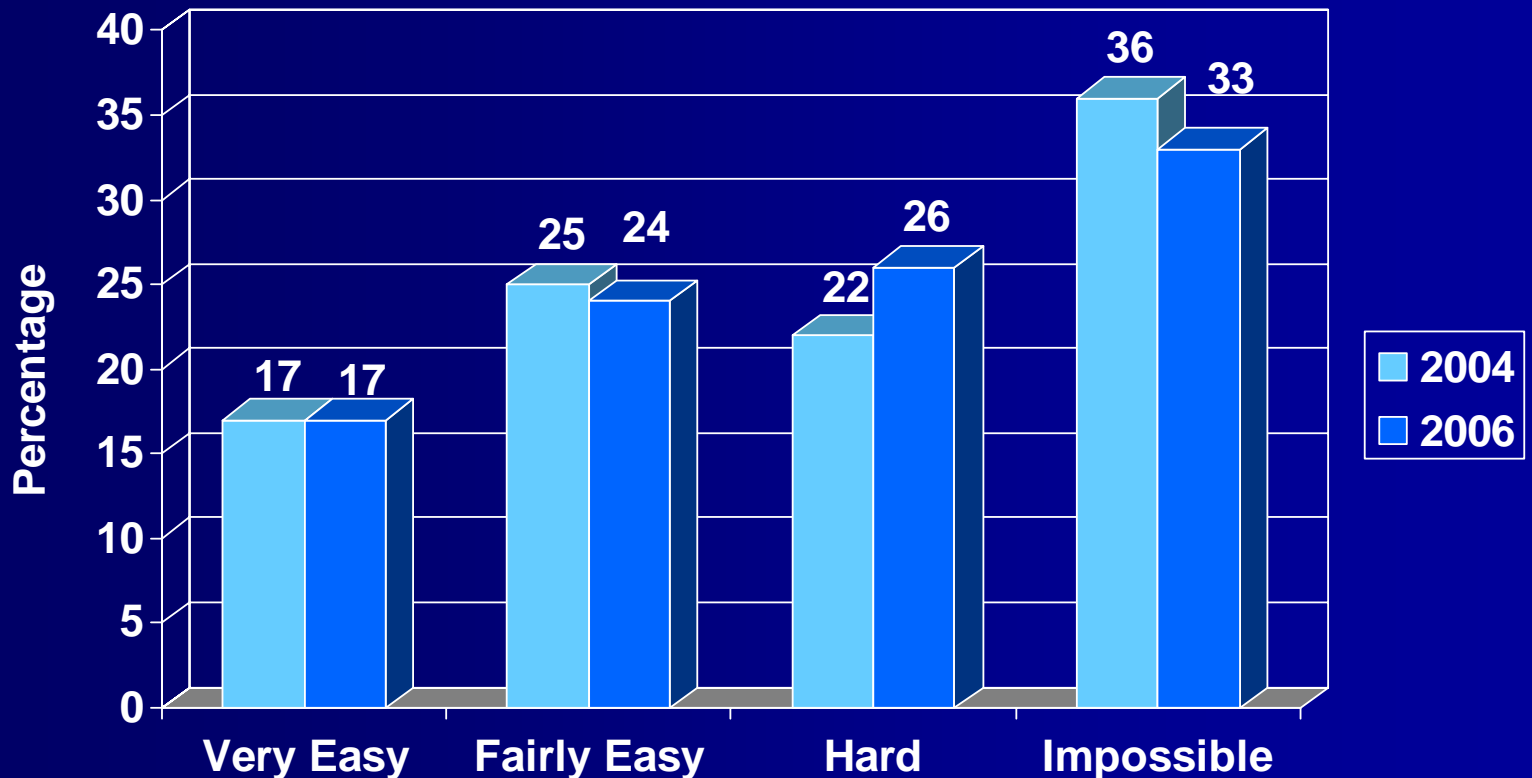
- Fear of getting hurt

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

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 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



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%
No Condom Use* – past 3 mo.	26%	35%	37%

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

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

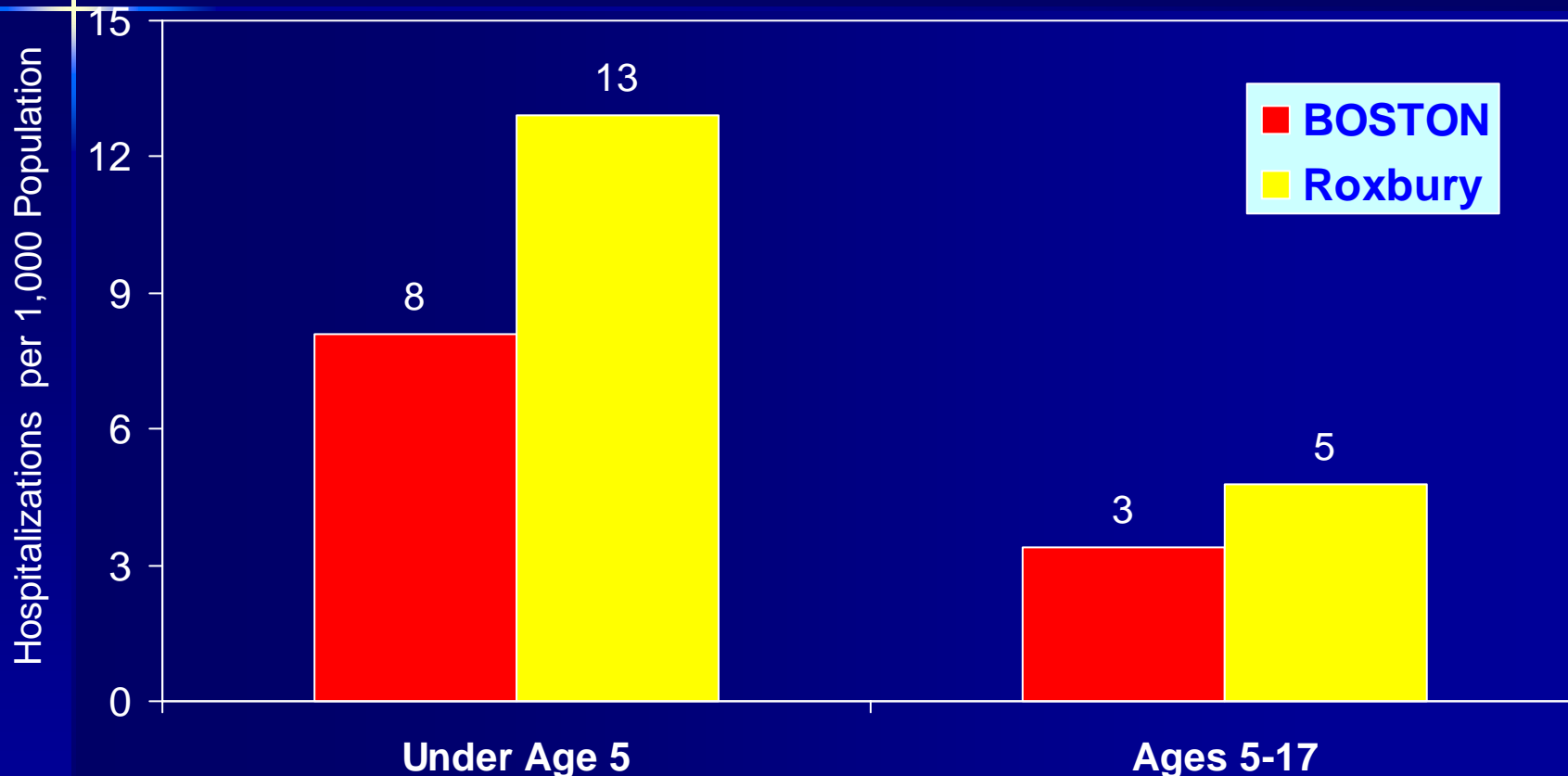
DATA ANALYSIS: Boston Public Health Commission Research Office

ENVIRONMENTAL LEAD

ASTHMA

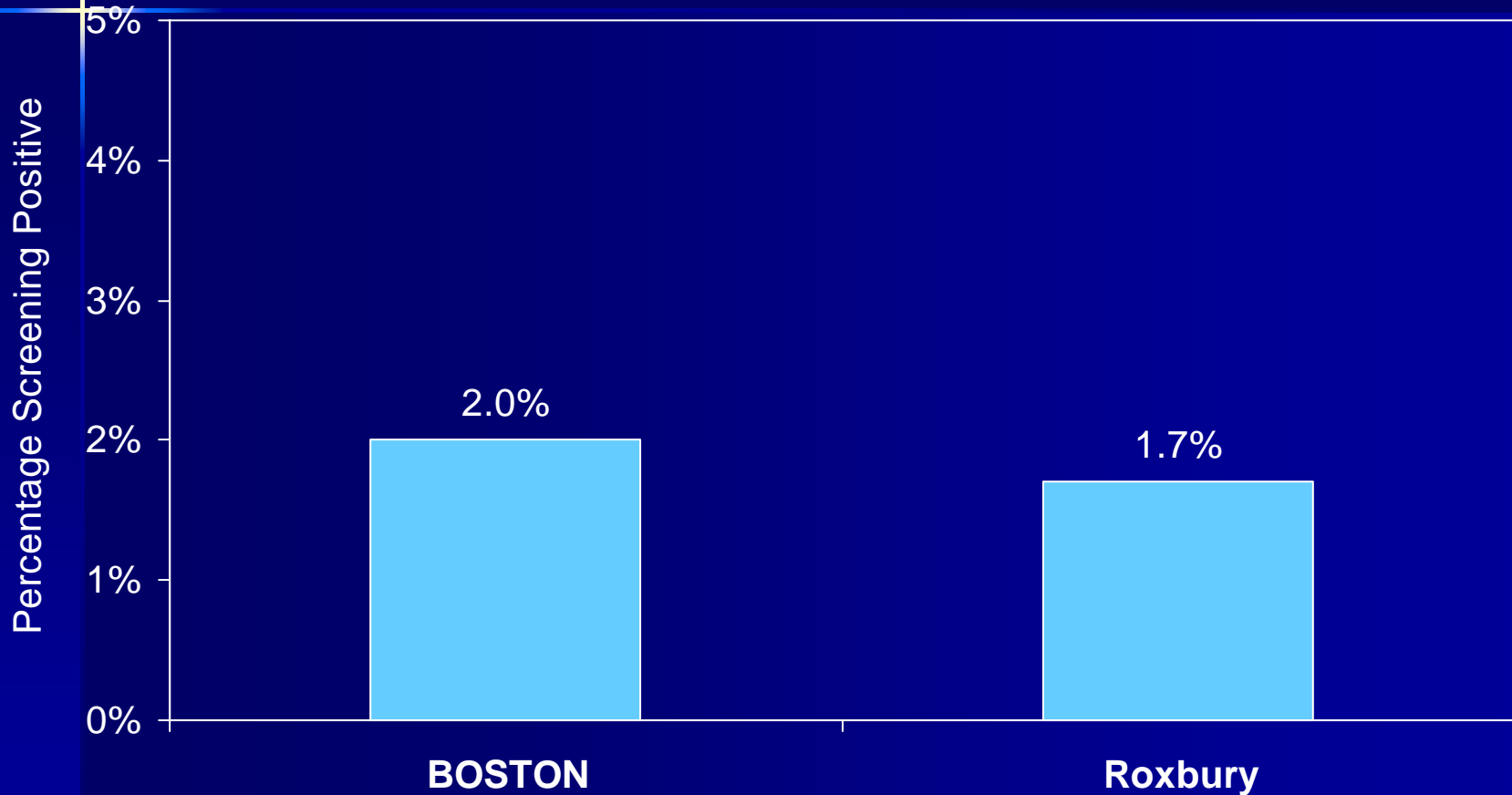


Asthma Hospitalizations of Children Under Age 5 and Ages 5-17, Boston and Roxbury, 2004-2006



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

Children with Elevated Blood Lead Levels Boston and Roxbury, 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

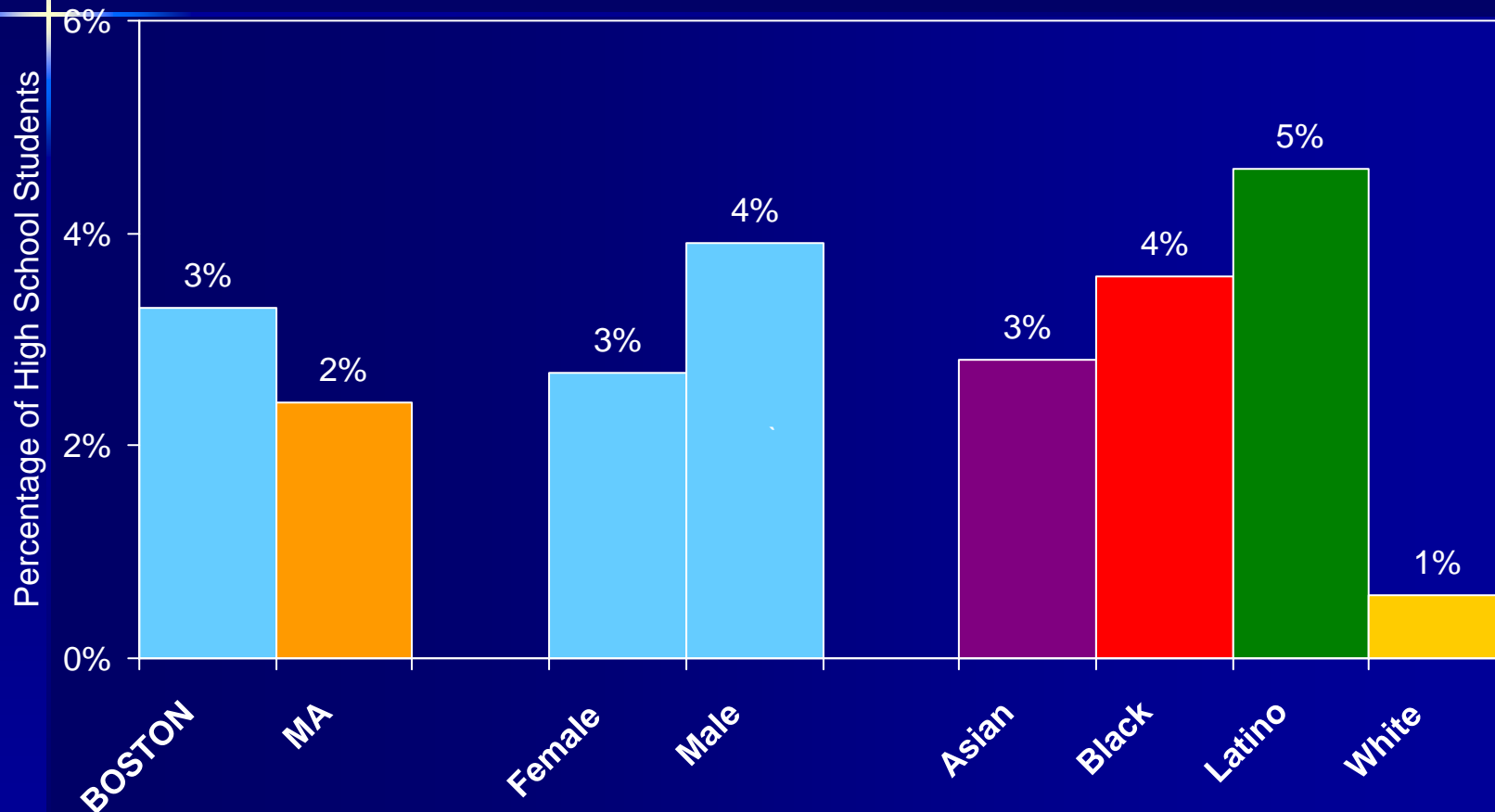
DATA ANALYSIS: Lead Screening Data, Boston Public Health Commission Office of Environmental Health

GRAPHIC: Boston Public Health Commission Research Office

MENTAL HEALTH

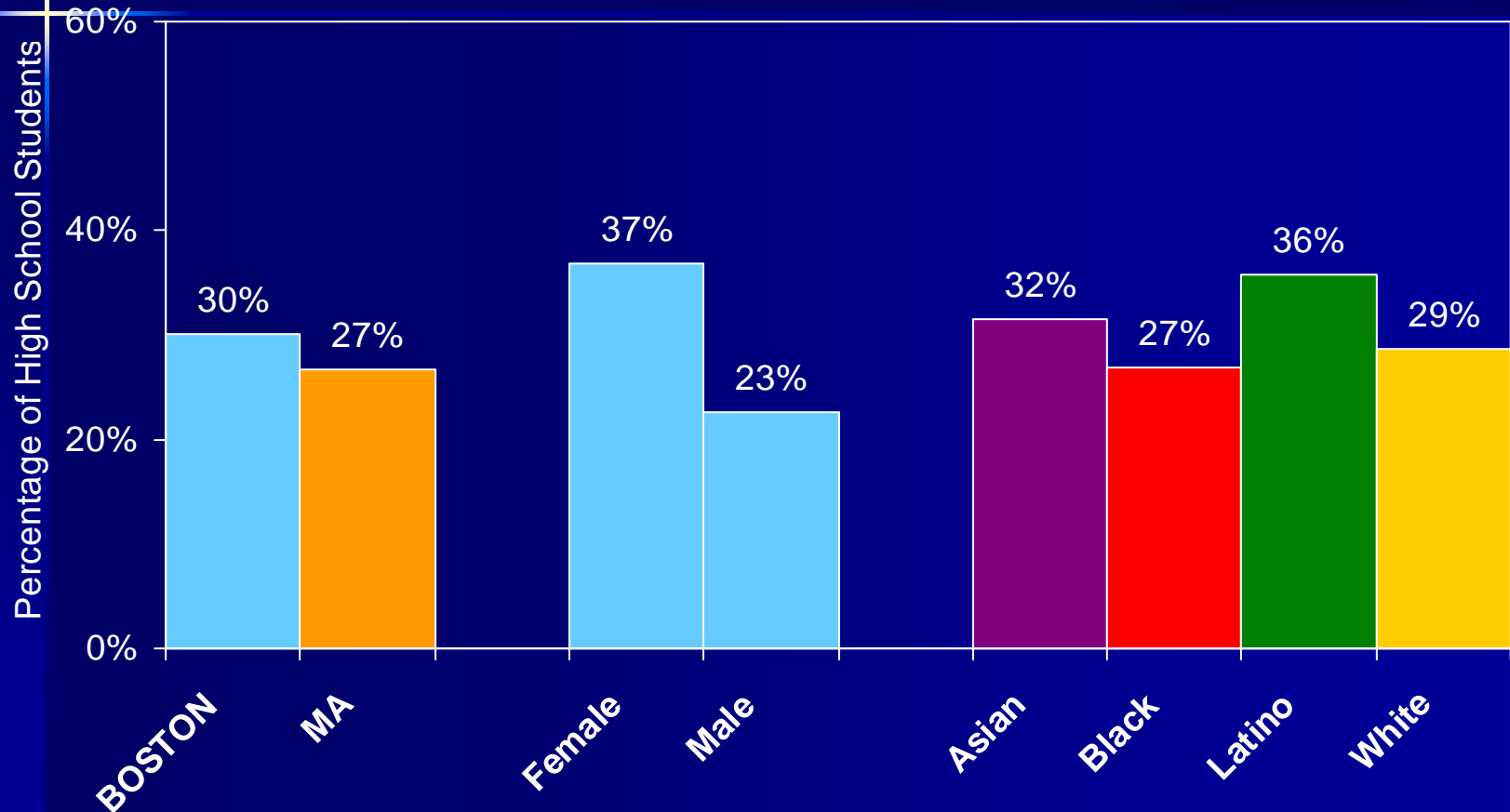


Suicide Attempt Requiring Medical Care During Past Year, High School Students Boston, 2005



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

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

ROXBURY: SUMMARY of MAJOR FINDINGS

POSITIVE

- **Children with Elevated Blood Lead Levels** – The elevated blood lead level for Roxbury children in 2006 was 1.7% and slightly lower than for Boston children overall.

CHALLENGES

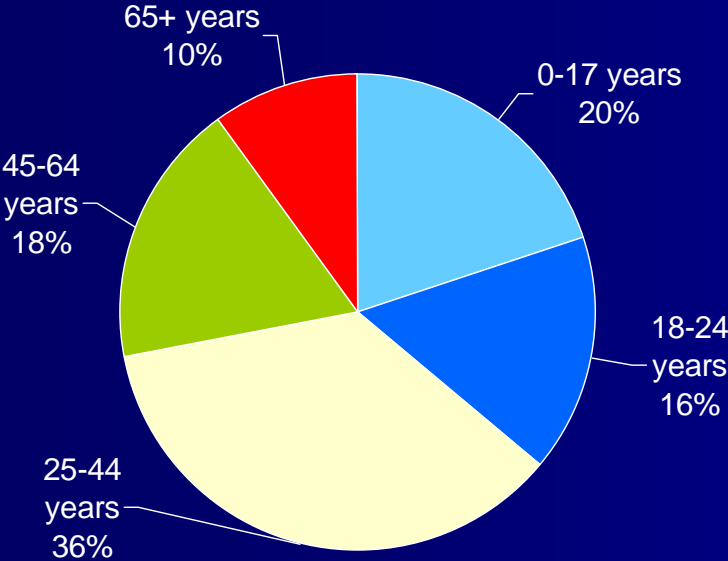
- **Asthma Hospitalization** – Roxbury asthma hospitalization rates during 2004-2006 for children less than age 5 and those ages 5-17 were about 60% higher than for Boston children in each of those age groups.
- **Infant Mortality Rate (IMR)** – During 2001-2005, the IMR for Roxbury (10 infant deaths per 1,000 live births) was 67% higher than the IMR for Boston.
- **Homicide Rate** – The homicide rate for Roxbury young adults ages 18-24 (40 deaths per 100,000 pop.) during 2003-2005 was 82% higher than the Boston rate of 22 deaths per 100,000 population.
- **Assault-Related Nonfatal Shootings and Stabbings** – The Roxbury rate of nonfatal gunshot victims (10 per 10,000 pop.) in 2006 was more than 3 times the overall Boston rate and the Roxbury rate of nonfatal stabbing victims (8 per 10,000) 1.6 times the overall Boston rate.

BPHC YOUTH PROGRAMS

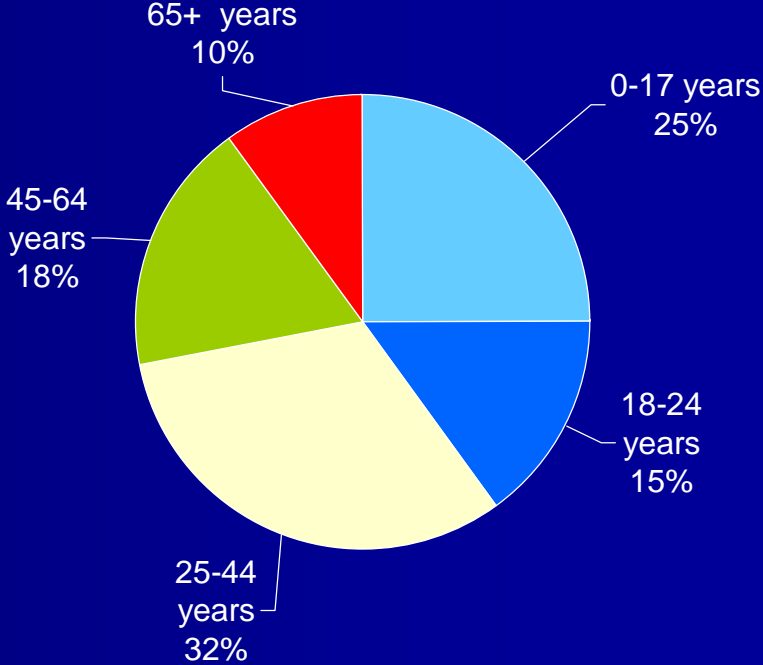
- **Adolescent Wellness Program**
- **Boston Area Health Education Center (BAHEC)**
- **Child and Adolescent Mental Health**
- **Connecting Families to Schools**
- **School Based Health Programs**
 - **Parochial, Private & Charter School Program**
 - **Public School Program**
- **Youth Development Network**

Slides Not Included in the Presentation

Population by Age Group: Boston and Roxbury, 2000



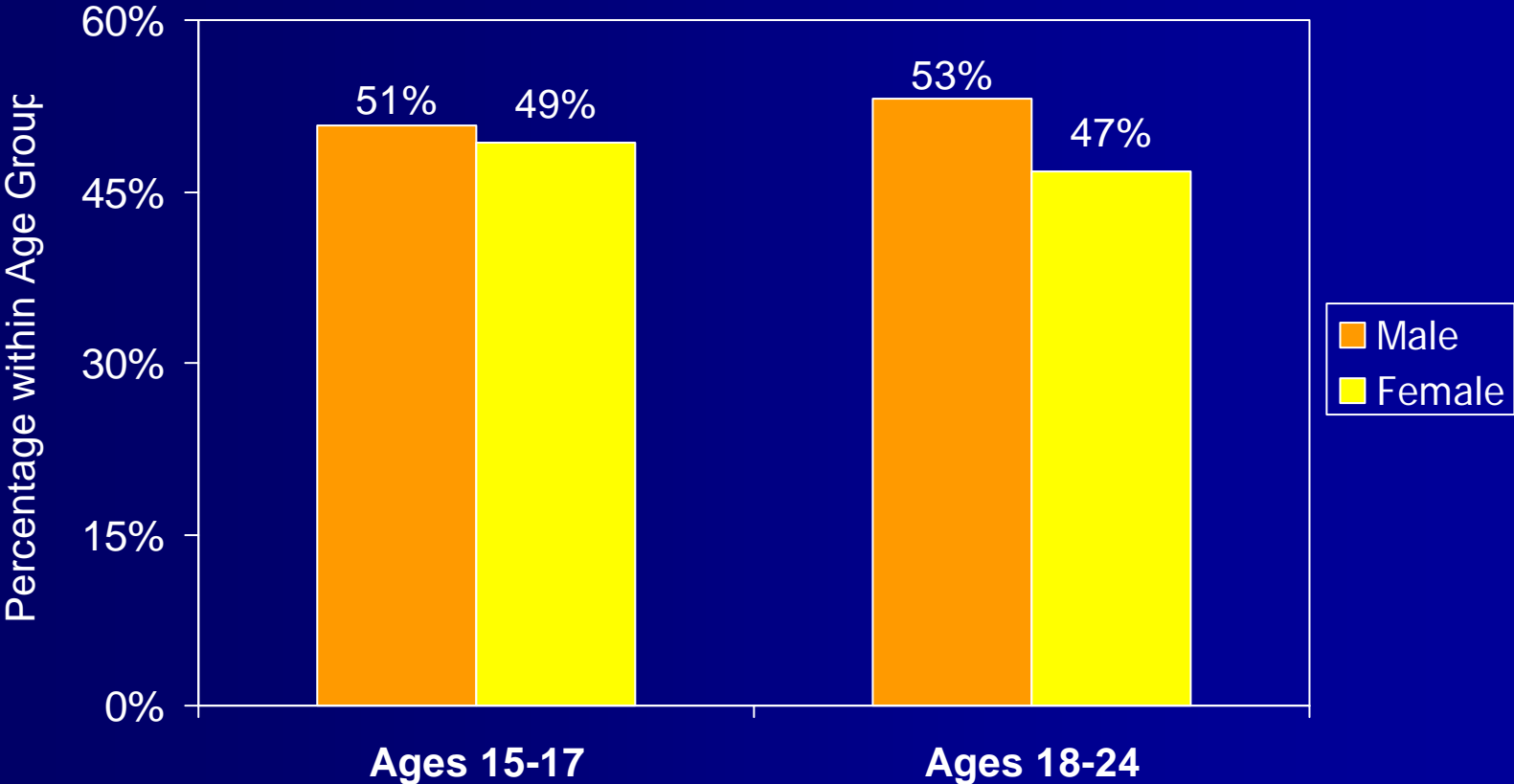
Boston



Roxbury

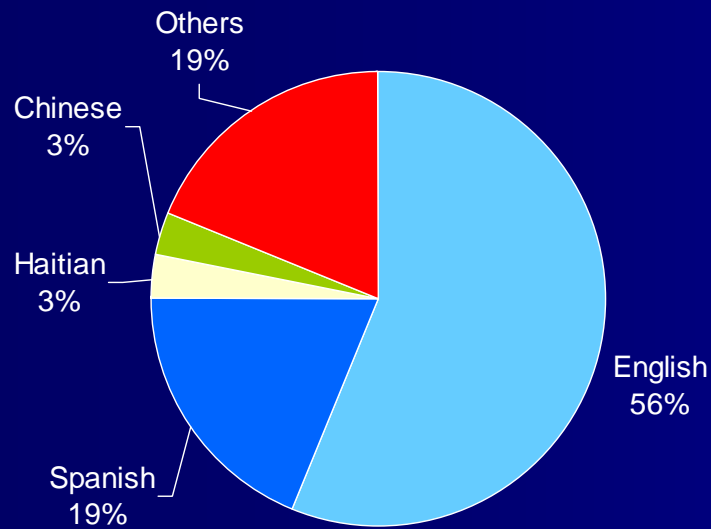
DATA SOURCE: U.S. Department of Commerce, Bureau of the Census, American FactFinder, Census 2000
DATA ANALYSIS: Boston Public Health Commission Research Office

Youth and Young Adult Population by Sex, Roxbury, 2000

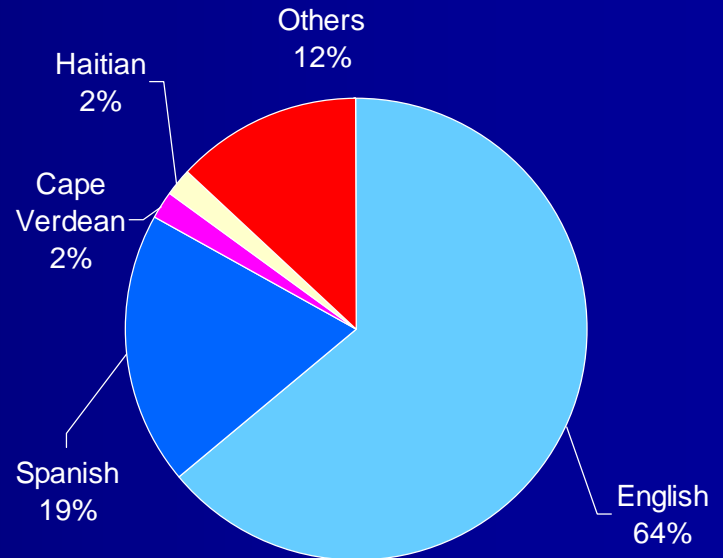


DATA SOURCE: Census 2000, US Department of Commerce, Bureau of the Census, American FactFinder
DATA ANALYSIS: Boston Public Health Commission Research Office

Language Spoken at Home by Students Boston and Roxbury, 2005



Boston

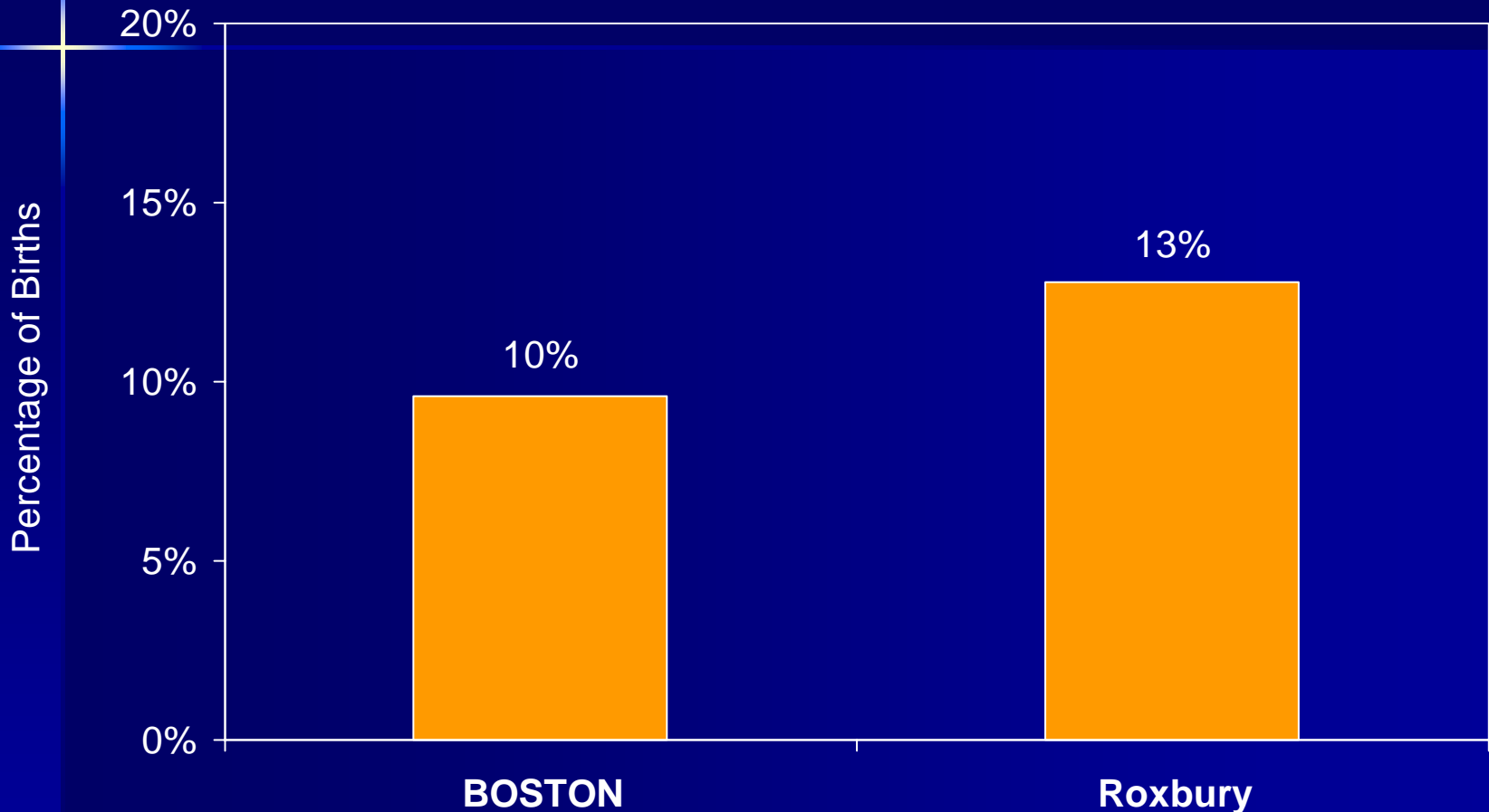


Roxbury

MATERNAL AND CHILD

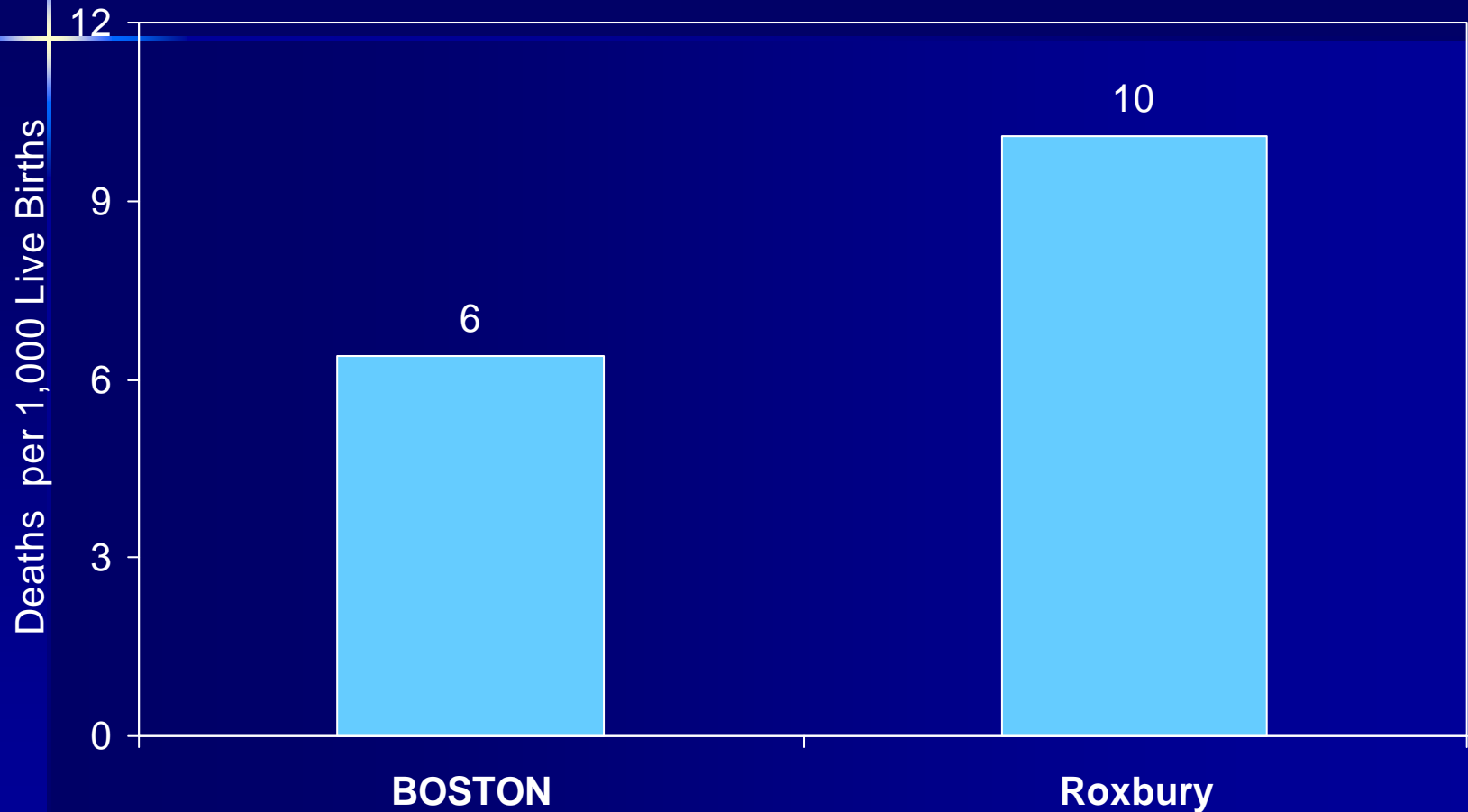


Low Birthweight Boston and Roxbury, 2005



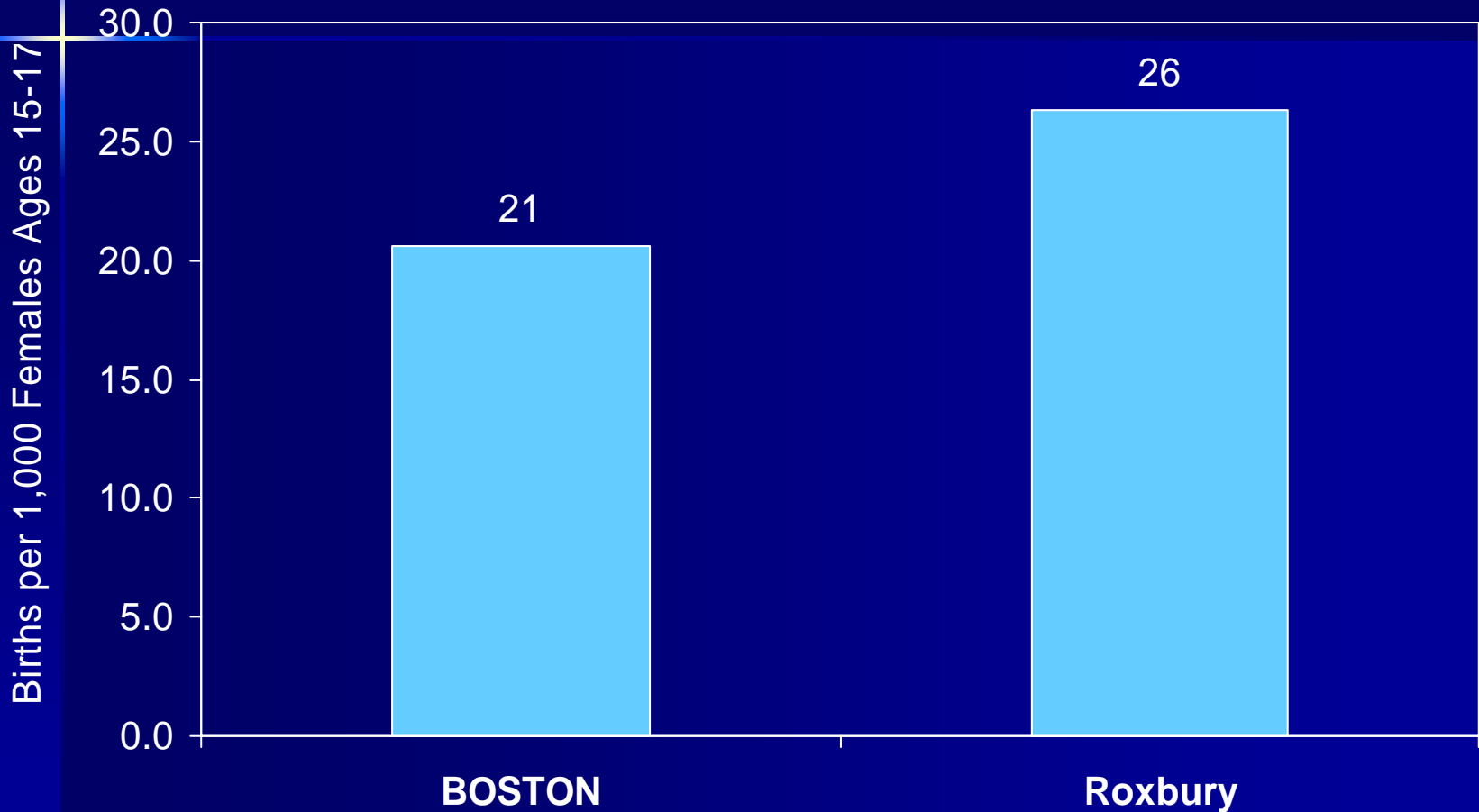
DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission Research Office

Infant Mortality: Boston and Roxbury 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 Roxbury, 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, Roxbury, 2006

Ages 1-9	Ages 10-17	Ages 18-24
1. Bronchitis/Asthma	Pregnancy	Pregnancy
2. Simple Pneumonia*	Psychoses	Red Blood Cell Disorder
3. Nutritional & Metabolic Disorder	Bronchitis/Asthma	Diabetes
4. Red Blood Cell Disorder	Injury	Injury
5. Gastroenteritis	Red Blood Cell Disorder	Psychoses

*Includes Pleurisy

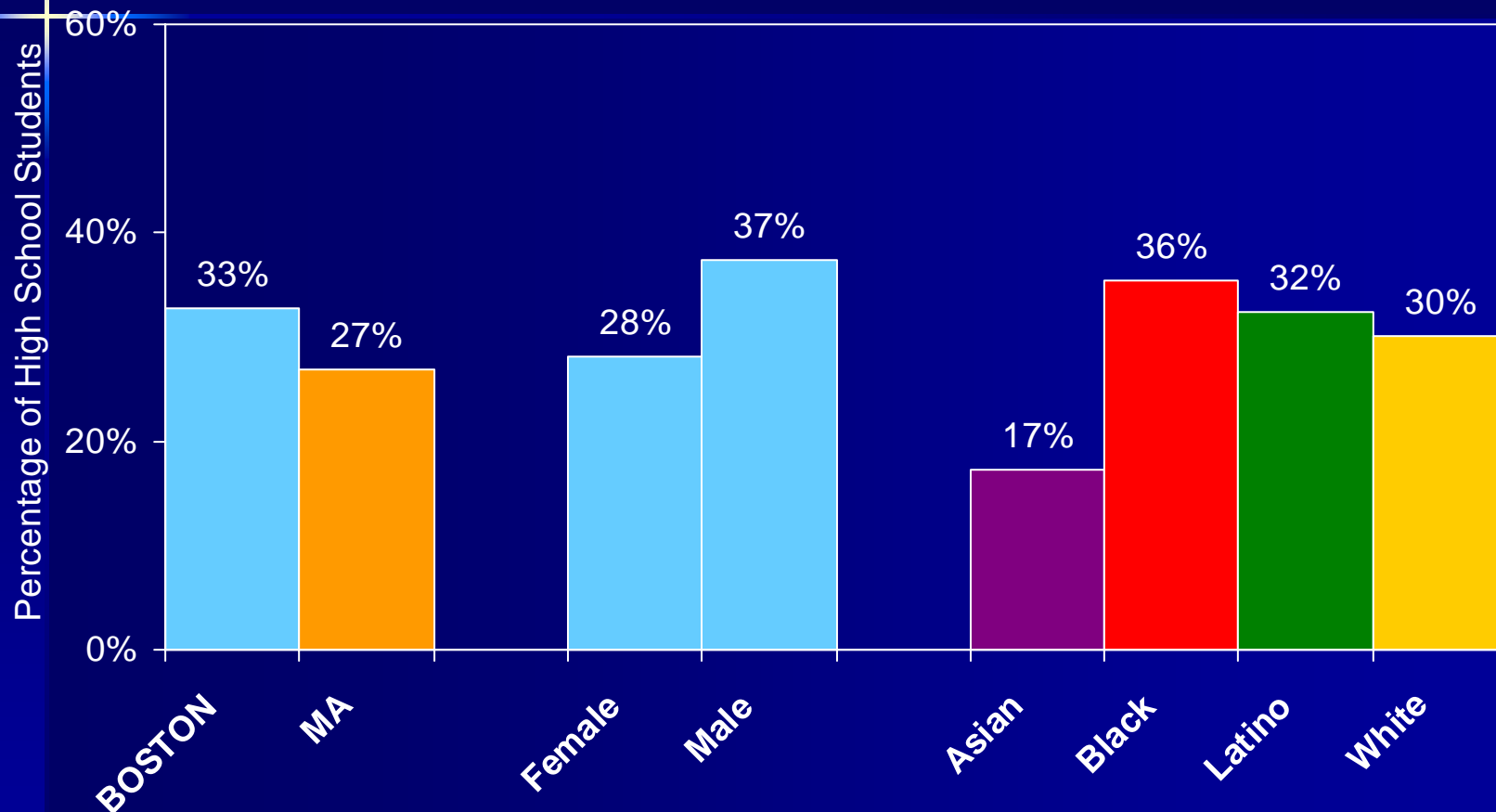
DATA SOURCE: Acute Care Hospital Case Mix Files, Massachusetts Division of Health Care Finance and Policy

DATA ANALYSIS: Boston Public Health Commission Research Office

OVERWEIGHT and OBESITY

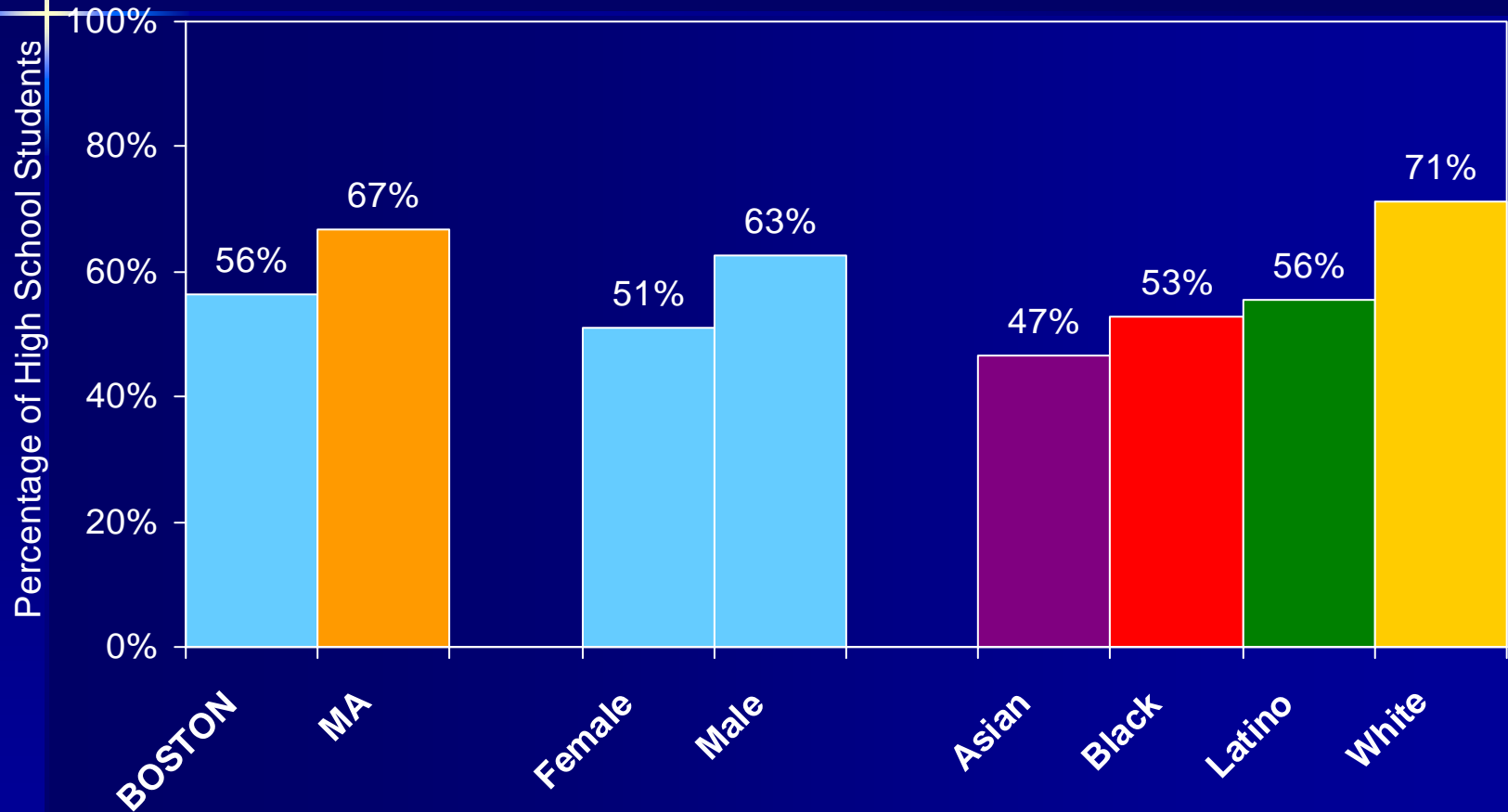


At Risk for Overweight or Overweight/Obese, High School Students Boston, 2005



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

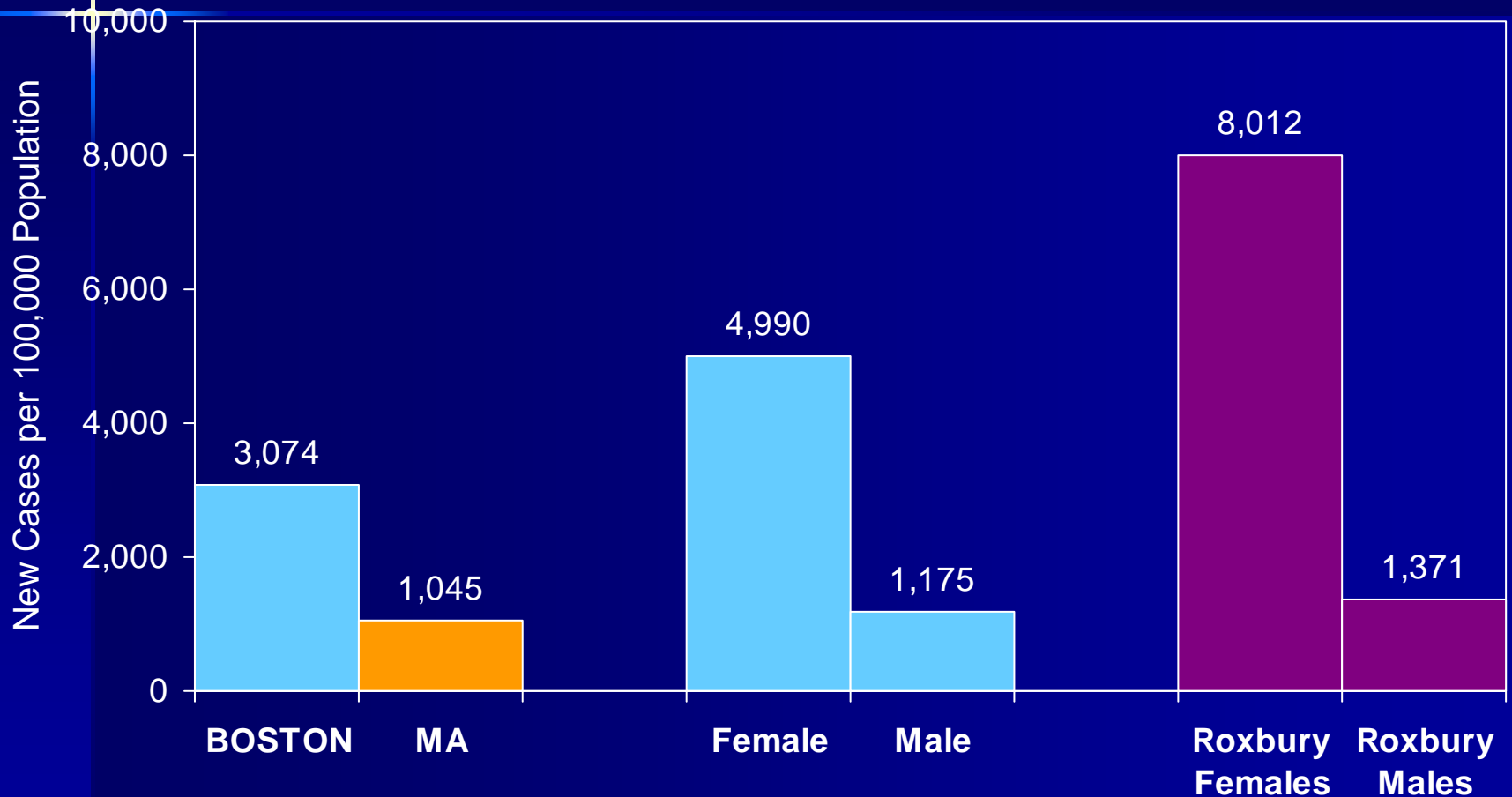


DATA SOURCE: Boston Youth Risk Behavior Survey 2005, Centers for Disease Control (CDC)
DATA ANALYSIS: Boston Public Health Commission Research Office



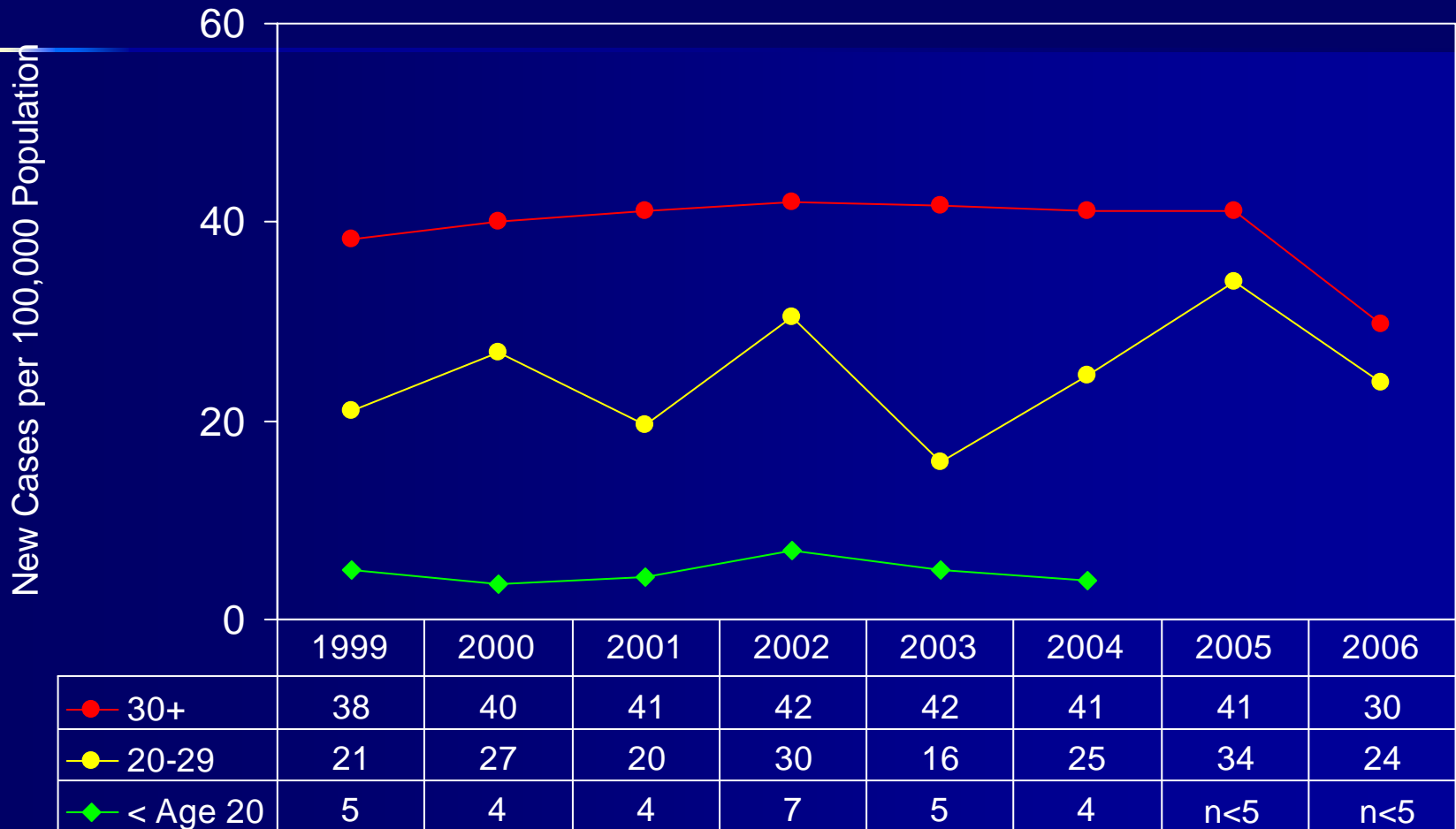
INFECTIOUS DISEASE

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



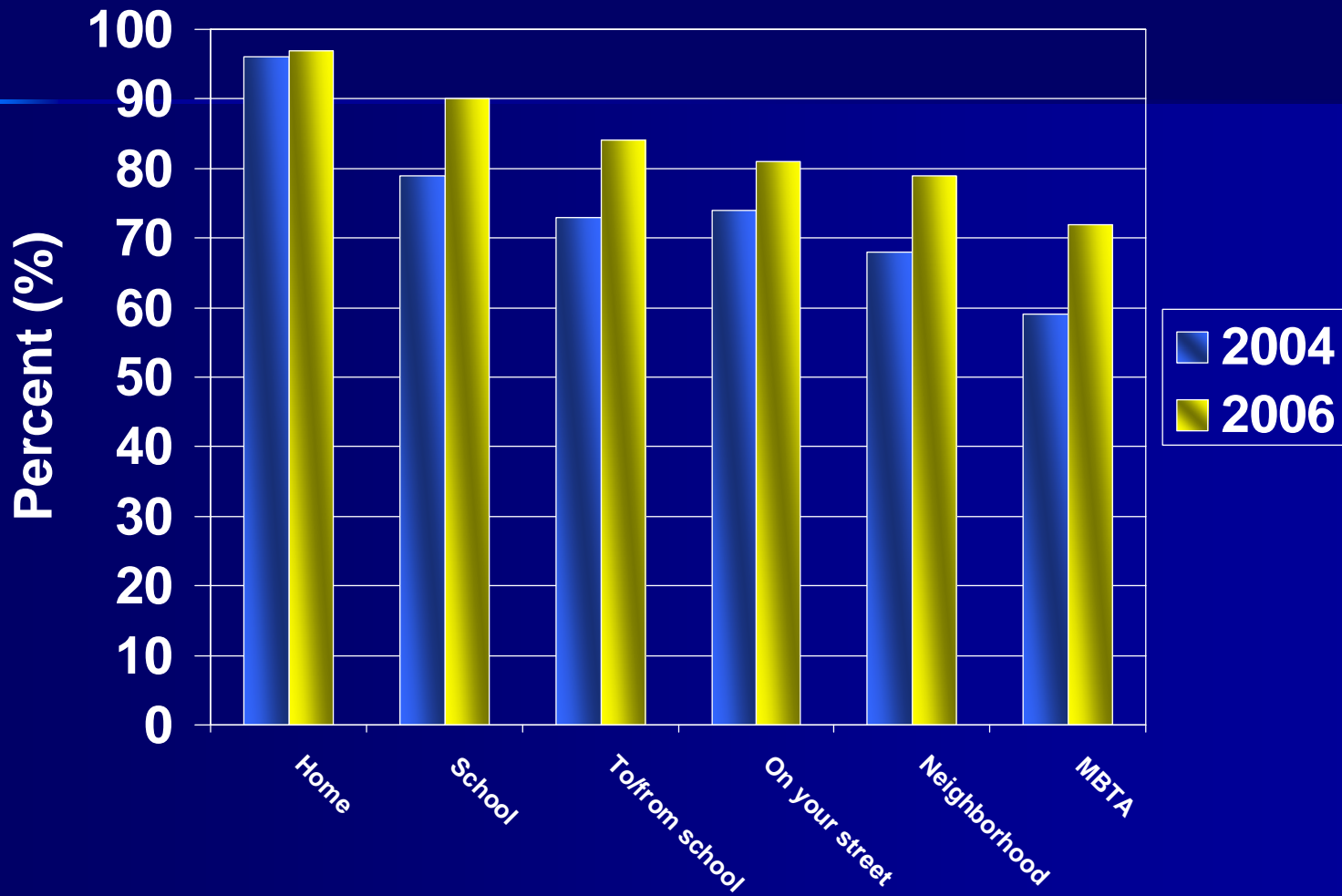
DATA SOURCE: Massachusetts Department of Public Health, STD Division
DATA ANALYSIS: Boston Public Health Commission Research Office

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

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