

REPORT ON

THE 2010 YOUTH RISK BEHAVIOR SURVEY

FOR STUDENTS IN GRADES 6, 8, 9, 10, 11, AND 12

AGGREGATE REPORT OF

STUDENTS FROM THE ACTON, ACTON-BOXBOROUGH,

BOXBOROUGH, CONCORD, CONCORD-CARLISLE,

GROTON-DUNSTABLE, LITTLETON, MAYNARD,

AND WESTFORD PUBLIC SCHOOLS

FOR

EMERSON HOSPITAL

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BACKGROUND AND ACKNOWLEDGEMENTS

In 1997, Ms. Leslie Luppold, the Senior Vice-President of Operations for Emerson Hospital, reached out to several school districts from the hospital's service area to attempt to determine areas of common interest and concern. A number of discussions ensued and through this process, Emerson Hospital and the Health Education Coordinators from the four school districts which responded, decided to collaborate on the development and implementation of the first joint Youth Risk Behavior Survey (YRBS) Project in 1998.

Using an instrument based on the YRBS from the Centers for Disease Control and Prevention, students from grades 6, 8, and 11 were surveyed and the responses to those surveys were tabulated and analyzed. Much information of value to Emerson Hospital, the four school districts (the Acton and Acton-Boxborough Regional Schools, the Concord and Concord-Carlisle Regional Schools, the Littleton Public Schools, and the Westford Public Schools), as well as their respective communities, important to program planning and curriculum development, was gathered and shared broadly.

This effort was undertaken for a second time (including seven school districts) in the year 2000. Because of the success of the first two projects, it was decided to undertake this effort in 2002 and every other year thereafter in the hopes of developing up-to-date, reliable data on youth risk behavior. Also, beginning with the survey of 2000, the scope was expanded to include all students from grades 6, 8, 9, 10, 11, and 12.

In May of 2009, with the support and encouragement of administration from Emerson Hospital and each school district, a committee comprised of representatives from Emerson Hospital and Health Education Coordinators from seven area school districts, met and worked for several months to update and refine the YRBS and the process for its implementation and analysis.

The members of this committee included: Ms. Bonnie Kaplan-Goldsmith and Ms. Naomi Funkhouser from Emerson Hospital; Dr. Carolyn Imperato from the Acton and Acton-Boxborough Regional Schools; Mr. Curtis Bates from the Boxborough Public Schools; Ms. Kathy Bowen from the Concord and Concord-Carlisle Regional Schools; Ms. Alice Lenhart from the Groton-Dunstable Regional Schools; Ms. Cindy Roper from the Littleton Public Schools; Ms. Lisa MacLean from the Maynard Public Schools; Ms. Donna Pobuk from the Westford Public Schools; and Mr. James Byrne from Northeast Health Resources. It is because of their continuing commitment and collaboration that this project and report are a reality.

TABLE OF CONTENTS

INTRODUCTION	Page 1
SURVEY PROCESS	Page 2
ANALYSIS OF DATA	Page 2
DEMOGRAPHIC CHARACTERISTICS	Page 3
OVERVIEW OF MAJOR FINDINGS	Page 5
- MIDDLE SCHOOL – GRADES 6 AND 8	Page 6
- HIGH SCHOOL - GRADES 9 THRU 12	Page 15
APPENDIX - HISTOGRAMS	Page 28
- APPENDIX A CURRENT RESULTS AND COMPARISONS OVER TIME	Page 29
- APPENDIX B RELATED RISK BEHAVIORS OVER TIME	Page 65
- APPENDIX C BEHAVIORAL/EXPERIENTIAL CROSS-TABULATIONS	Page 75

INTRODUCTION

Through the support and assistance of Emerson Hospital, the Youth Risk Behavior Survey was implemented with students in grades 6, 8, 9, 10, 11, and 12 from seven school districts in the hospital's service area, during March of 2010. These surveys were primarily based on those developed specifically for middle school and high school students at the Centers for Disease Control and Prevention in Atlanta, Georgia. Students responded to questions which fall under general categories of risk behaviors including: safety, violence, suicide, tobacco use, alcohol use, drug use, gambling, HIV/AIDS education, sexual behavior, dietary behavior, and physical activity. Emerson Hospital and the seven school districts contracted with Northeast Health Resources (NHR) to assist in the design of the instrument and to carry out the tabulation and an analysis of the data gathered from the Youth Risk Behavior Survey.

Every other year, the Massachusetts Department of Education carries out a Youth Risk Behavior Survey for high school students from a cross-section of school systems in the state. The most recent of these surveys for which data is currently available was carried out during the Spring of 2007 and was administered to students from 59 randomly selected public school systems. A comparison with certain of the data from the results of that survey will also be provided. No such survey for middle school students is carried out on a state-wide basis.

The data gathered from the surveys in each of the school districts, was tabulated individually and then combined to form an aggregate database. The seven school systems included in this aggregate are the Acton and Acton-Boxborough Regional Schools, the Boxborough Public Schools (grade 6 only), the Concord and Concord-Carlisle Regional Schools, the Groton-Dunstable Regional Schools, the Littleton Public Schools, the Maynard Public Schools, and the Westford Public Schools.

After much consideration and planning, the 2010 grade 6 survey was piloted on a web-enabled basis in four of the seven school districts. The survey itself was identical in all ways to the traditional paper and pencil surveys except that it was carried out online. The four districts which implemented this pilot program are the Acton Public Schools, the Boxborough Public Schools, the Littleton Public Schools, and the Maynard Public Schools.

SURVEY PROCESS

After discussions between Emerson Hospital and the Health Education Coordinators from each district it was agreed that the Youth Risk Behavior Survey would be distributed to all students in attendance on the survey dates in grades 6, 8, and 9 through 12. Parents were informed in advance of the survey and thirty-eight students were exempted at parental request. The surveys were administered in each school district between March 3 and 15, 2010. In most districts students in each school were surveyed simultaneously and in others they were surveyed over the course of one school day. In four of the seven school districts grade 6 students were surveyed in a web-enabled format and as a result over the course of a school day. In all cases the survey was administered by professional staff from the district. Teachers were provided with written instructions which were read to students before taking the survey.

Once all of the surveys were completed, they were gathered and tabulated. There were a total of 8,597 students who responded to the survey: 1,436 from grade 6, 1,434 from grade 8, and 5,727 from the high school level. Sixteen sixth graders and six eighth graders did not indicate their gender. At the high school level, thirty-four students (0.4%) did not indicate their gender and thirty-seven students (0.6%) did not indicate their grade or indicated they were ungraded. For a description of certain of the demographic characteristics of respondents, please refer to the tables on subsequent pages.

Of the 9,393 students from the seven area school districts involved in this project and enrolled in grades 6, 8, and 9 through 12 on the dates of administration, 8,597 participated in the survey. This constitutes a participation rate of 92% (Grade 6: 93%; Grade 8: 93%; and High School: 91%).

ANALYSIS OF DATA

Frequencies of responses are reported for all items in the survey and cross-tabulations are provided for three demographic characteristics: grade, gender, and grade/gender. The results of the survey, including all cross-tabulations, are presented under separate cover. Please note that the data results were tabulated in percentages, rounded to the nearest tenth of one percent, and not all percentages will total exactly 100 due to rounding and no responses in some cases.

DEMOGRAPHIC CHARACTERISTICS

Aggregate of Respondents From Seven School Districts 2010 YRBS Student Sample

Grade and Gender

Grade 6: 1,436 Respondents

Females	49.2%
Males	49.7%
Gender not indicated	1.1%

Grade 8: 1,434 Respondents

Females	53.3%
Males	46.2%
Gender not indicated	0.4%

Grade 9: 1,547 Respondents

Females	48.5%
Males	51.5%
Gender not indicated	0%

Grade 10: 1,433 Respondents

Females	48.6%
Males	51.0%
Gender not indicated	0.3%

Grade 11: 1,408 Respondents

Females	48.2%
Males	51.4%
Gender not indicated	0.4%

Grade 12: 1,302 Respondents

Females	50.5%
Males	49.5%
Gender not indicated	0%

DEMOGRAPHIC CHARACTERISTICS (CONT'D)

School District

Grade 6:

Acton	26.3%	378
Boxborough	5.4%	77
Concord	13.4%	192
Groton - Dunstable	15.7%	226
Littleton	7.4%	106
Maynard	5.6%	81
Westford	26.2%	<u>376</u>
		1,436

Grade 8:

Acton - Boxborough	34.2%	490
Concord	13.5%	193
Groton - Dunstable	14.9%	213
Littleton	7.7%	111
Maynard	4.7%	67
Westford	25.1%	<u>360</u>
		1,434

High School:

Acton - Boxborough	31.3%	1,791
Concord - Carlisle	18.9%	1,080
Groton - Dunstable	13.1%	751
Littleton	5.8%	332
Maynard	5.0%	284
Westford	26.0%	<u>1,489</u>
		5,727

OVERVIEW OF MAJOR FINDINGS

There is much important and relevant information to be found in an analysis of the tabulations of the Youth Risk Behavior Survey as taken by students from the seven school districts included in this report. This is true when one looks at the tabulations of all students taken as a group and is especially so when one looks at the cross-tabulations by grade and gender.

With students having responded to 62 questions in grade 6, 89 questions in grade 8, and 111 questions at the high school, much can be said about the responses to each of those questions. However, it is not the intention here to discuss the results of each question. Rather, it is the intention of this report to highlight certain of the results and to offer comparisons with data gathered from the implementation of the 2007 Massachusetts High School Youth Risk Behavior Survey. It is hoped that the following as well as a more detailed analysis of the results of this survey, will assist Emerson Hospital and the school systems and communities with which it works in their on-going development of health education programs and services for young people.

MIDDLE SCHOOL – GRADES 6 AND 8SAFETY

- **1.1%** of sixth grade respondents and **6.1%** of eighth grade respondents **report that they “never” or “rarely” wear a seatbelt when riding in a car.** Males in both grades (grade 6 – 1.5%, grade 8 – 9.2%) report never or rarely wearing a seatbelt more frequently than females (grade 6 – 0.5%, grade 8 – 3.4%).
- **11.1%** of sixth grade respondents and **32.9%** of eighth grade respondents **report that they “never” or “rarely” wear a helmet when riding a bicycle.** Males (grade 6 – 12.6%, grade 8 – 40.3%) report never or rarely wearing a bicycle helmet more frequently than do female respondents (grade 6 – 9.4%, grade 8 – 26.7%).
- **6.9%** of sixth grade respondents and **12.2%** of eighth grade respondents **report “never” or “rarely” wearing a helmet when they go skiing or snowboarding.** There was very little or no variation by gender in either grade.
- **1.5%** of sixth grade respondents and **7.4%** of eighth grade respondents **report having ridden in a car driven by a minor (under age 21) who had been drinking alcohol or using other drugs** on at least one occasion during the thirty days prior to the survey. There was little variation by gender in grade 6 (grade 8: females – 3.8%, males – 11.7%).
- **1.0%** of sixth grade respondents and **2.5%** of eighth grade respondents **report that they believe it is always safe to meet someone in person who they initially met through electronic communication in any form** (grade 8: females – 1.7%, males – 4.9%).
- **11.4%** of sixth grade respondents and **20.0%** of eighth grade respondents **report having been threatened, humiliated, or experienced hostile behaviors from others through electronic communication in any form** during the previous twelve months. This experience of cyber-bullying did not vary by gender. Further, **4.9%** of sixth graders and **12.8%** of eighth graders **report doing so to someone else.**
- **One** eighth grade respondent in nine (**10.9%**) **reports receiving sexually explicit messages of photos electronically (also called “sexting”)** during the previous twelve months (females – 7.6%, males – 14.8%).

VIOLENCE RELATED BEHAVIORS

- **6.5%** of sixth grade respondents and **13.7%** of eighth grade respondents **report having carried any type of weapon such as a gun, knife or club** during the thirty days prior to the survey. Male respondents (grade 6 – 11.4%, grade 8 – 24.8%) were much more likely to have done so than were females (grade 6 – 1.6%, grade 8 – 4.1%). Further, **0.2%** of 6th grade respondents and **2.5%** of 8th grade respondents **report having done so on school property during the school day.**
- **One-fourth (26.7%)** of sixth grade respondents and **21.7%** of eighth grade respondents **report having been bullied by someone in school** during the twelve months prior to the survey (grade 6: females – 25.8%, males – 27.7%; grade 8: females – 19.2%, males – 24.6%). Among all respondents, **1.8%** of sixth graders and **3.9%** of eighth graders **report having resisted being bullied with physical force.**
- **6.0%** of eighth grade respondents **report having been sexually harassed by someone in school** during the twelve months prior to the survey. There was no variation by gender.
- **4.5%** of eighth grade respondents **report having ever been hurt physically or sexually by a date or someone they were going out with** (females – 3.0%, males – 6.4%). **2.6%** of all respondents **report having ever done so to someone else.**
- **12.7%** of eighth grade respondents **report having been shouted at, sworn at, scared, threatened, or insulted by someone they were dating or going out with** on at least one occasion during the twelve months prior to the survey. There was little variation by gender (females – 11.3%, males – 14.3%). **9.7%** of all respondents **report having done so to someone else.**
- **12.3%** of eighth grade respondents **report having hurt themselves on purpose (cuts, burns, bruises)** on at least one occasion during the previous twelve months. There was little variation by gender (females – 13.3%, males – 11.3%).

SUICIDE

- **3.8%** of sixth grade respondents and **10.0%** of eighth grade respondents **report having seriously considered attempting suicide** during the twelve months prior to the survey. There was little or no variation by gender in either grade.
- **1.0%** of sixth grade respondents and **4.8%** of eighth grade respondents **report having actually attempted suicide** on at least one occasion during the twelve months prior to the survey. There was no variation by gender in grade 6 but it was slightly higher among males in grade 8 (females – 3.7%, males – 6.1%).

TOBACCO USE

- **1.1%** of sixth grade respondents and **10.6%** of eighth grade respondents **report having ever tried cigarette smoking**. In grade 8 males (15.5%) were more likely to have tried cigarette smoking than were females (6.2%). Further, **0.8% of sixth graders and 3.6% of eighth graders report having smoked a whole cigarette for the first time before the age of 11.**
- **0.4%** of sixth grade respondents and **4.7%** of eighth grade respondents **report having smoked cigarettes on at least one occasion during the thirty days prior to the survey**. In grade 8 males (8.2%) report doing so more frequently than females (1.6%).
- **4.1%** of eighth graders **report having smoked cigars, cigarillos, or little cigars** during the thirty days prior to the survey. Male respondents (7.5%) report having done so more frequently than females (1.2%).
- When eighth graders were asked their perception about how many students at their grade level in their school had smoked cigarettes during the previous month, **18.8% believed that over one-quarter of their peers had done so**. In fact, **4.7%** of all eighth grade respondents actually **report having smoked cigarettes during the previous month**.

ALCOHOL USE

- **3.7%** of sixth grade respondents and **19.8%** of eighth grade respondents **report having ever had a drink of alcohol other than for religious reasons**. Males in both grades (grade 6 – 4.7%, grade 8 – 25.1%) were more likely to have done so than were females (grade 6 – 2.8%, grade 8 – 15.0%). Further, **2.9%** of sixth graders and **5.4%** of eighth graders **report having done so for the first time before the age of 12**.
- **1.8%** of sixth grade respondents and **9.8%** of eighth grade respondents **report having had at least one drink of alcohol on at least one occasion during the thirty days prior to the survey**. There was no variation by gender in grade 6 (grade 8: females – 6.2%, males – 13.9%).
- **5.7%** of all eighth grade respondents **report having attended parties held in homes in their school district where alcohol use by teens is allowed, either occasionally or frequently** during the twelve months prior to the survey. Males report this experience much more frequently than females (females – 2.4%, males – 9.4%).
- **When eighth graders were asked their perception about how many students at their grade level in their school had used alcohol during the previous month, 4.2% believed that over three-quarters had done so and another 6.0% (total of 10.2%) believed that over half of their peers had done so**. In fact, **9.8%** of all eighth grade respondents actually **report having used alcohol during the previous month**.

ILLEGAL DRUG USE

- **0.6%** of sixth grade respondents and **8.5%** of eighth grade respondents **report having ever used marijuana**. 8th grade males (13.4%) were much more likely to have ever used marijuana than were females (4.2%). Further, **3.1%** of 8th graders **report having used marijuana for the first time before the age of 12**.
- **0.4%** of sixth grade respondents and **6.0%** of eighth grade respondents **report having used marijuana on at least one occasion** during the thirty days prior to the survey. In grade 8, male respondents (9.8%) report recent marijuana use more frequently than females (2.6%).
- **When eighth graders were asked their perception about how many students at their grade level in their school had used marijuana during the previous month, 19.2% believed that at least one-quarter of their peers had done so.** In fact, **6.0%** of all eighth grade respondents actually **report having used marijuana during the previous month**.
- **4.6%** of sixth grade respondents and **6.2%** of eighth grade respondents **report having sniffed glue, or breathed the contents of spray cans, or inhaled any paints or sprays to get high** at least once during the thirty days prior to the survey. There was little variation by gender in either grade.
- **4.6%** of all eighth grade respondents **report having used someone else’s prescription medication** during the twelve months prior to the survey (females – 3.4%, males – 6.1%).
- **3.0%** of eighth graders **report having used MDMA (i.e. ecstasy, “E”, “X”)** at least once during their lives (females – 1.2%, males – 5.1%).
- **0.7%** of sixth grade respondents and **7.2%** of eighth grade respondents **report having been offered, sold, or given an illegal drug on school property** on at least one occasion during the twelve months prior to the survey. There was no variation by gender in grade 6 (grade 8: females – 4.5%, males – 10.5%).

GAMBLING

- **13.8%** of sixth grade respondents and **23.4%** of eighth grade respondents **report having gambled by betting on the lottery, Keno, sporting events, casino games, cards, or racing** at least once during the twelve months prior to the survey. Male respondents in both grades (grade 6 – 19.4%, grade 8 – 33.5%) report this behavior much more frequently than females (grade 6 – 8.0%, grade 8 – 14.6%). Further, **6.7% of sixth graders and 12.1% of eighth graders report having gambled during the thirty days prior to the survey.**
- **0.6%** of sixth grade respondents and **5.0%** of eighth grade respondents **report having spent one or more hours online using the internet to gamble during the previous thirty days** (grade 8: females – 2.1%, males – 8.2%).

HIV/AIDS EDUCATION

- **35.8%** of sixth grade respondents and **66.9%** of eighth grade respondents **report having ever been taught about AIDS or HIV infection in school.** There was little variation by gender in either grade.
- **27.1%** of sixth grade respondents and **33.9%** of eighth grade respondents **report having ever talked about AIDS or HIV infection with their parents or other adults in their family.** There was no variation by gender in either grade.

SEXUAL BEHAVIOR

- **8.5%** of eighth grade respondents **report having ever had sexual intercourse.** Male respondents (14.6%) were more likely to have had this experience than were females (3.3%). **3.9% of all eighth graders report having had sexual intercourse for the first time before the age of 12.**
- **10.4%** of eighth grade respondents **report having ever had oral sex, either given or received.** Male respondents (16.6%) report this experience much more frequently than females (5.0%).

DIETARY BEHAVIOR

- **More than half** of all respondents (grade 6 – 59.6%, grade 8 – 60.2%) **described themselves as being at about the right weight** while many were trying to lose weight (grade 6 – 27.0%, grade 8 – 33.5%) and others were trying to gain weight (grade 6 – 11.1%, grade 8 – 12.9%). Females, especially in grade 8 (42.3%), were much more likely to be trying to lose weight than were eighth grade males (23.5%).
- During the thirty days prior to the survey, **in order to lose weight or to keep from gaining weight:**
 - **63.5%** of sixth graders and **58.6%** of eighth graders **report having exercised** (grade 6: females – 61.6%, males – 65.4%; grade 8: females – 61.5%, males – 55.1%).
 - **23.1%** of sixth graders and **24.3%** of eighth graders **report having eaten less food, fewer calories, or foods low in fat** (grade 6: females – 21.0%, males – 24.9%; grade 8: females – 30.6%, males – 17.0%).
 - **2.1%** of sixth graders and **5.1%** of eighth graders **report having gone without eating for 24 hours or more** (grade 6: females – 1.9%, males – 2.3%; grade 8: females – 5.5%, males – 4.6%).
 - **0.2%** of sixth graders and **2.0%** of eighth graders **report having taken any diet pills, powders, or liquids without a doctor’s advice.** There was very little variation by gender.
 - **0.5%** of sixth graders and **1.9%** of eighth graders **report having vomited or taken laxatives.** There was no variation by gender.
- **6.7%** of sixth grade respondents and **17.1%** of eighth grade respondents **report drinking a caffeinated beverage such as coffee, coffee drinks, tea, soda, sports drinks, or drinks like Red Bull** at least once per day on average during the previous seven days. Males, especially those in grade 8 (grade 6 – 8.1%, grade 8 – 22.6%) report doing so more frequently than females (grade 6 – 5.3%, grade 8 – 12.5%).
- **12.6%** of sixth grade respondents and **24.1%** of eighth grade respondents **report that they ate breakfast on fewer than five days during the week before the survey.** Female respondents in each grade (grade 6 – 14.1%, grade 8 – 27.5%) report doing so more frequently than males (grade 6 – 11.2%, grade 8 – 19.9%).

PHYSICAL ACTIVITY

- **83.4%** of sixth grade respondents and **78.4%** of eighth grade respondents **report having exercised or participated in physical activity for at least 20 minutes that made them sweat or breathe hard on at least three days during the seven days prior to the survey.** There was little or no variation by gender in either grade.
- **13.8%** of sixth grade respondents and **41.0%** of eighth grade respondents **report that they get seven or fewer hours of sleep each night on average.** There was little variation by gender in grade 6, while in grade 8 females (44.8%) report seven or fewer hours of sleep more frequently than males (36.4%).
- **16.5%** of sixth grade respondents and **31.1%** of eighth grade respondents **report that they watch TV, play video games, or use a computer for at least 3 hours or more per day on an average school day outside of school.** Male respondents in both grades (grade 6 – 19.7%, grade 8 – 33.7%) report doing so more frequently than females (grade 6 – 13.0%, grade 8 – 28.8%).

HIGH SCHOOL - GRADES 9, 10, 11, AND 12

As mentioned earlier in this report, the Youth Risk Behavior Survey was administered to students from six school districts in grades 9 through 12 during March of 2010. This report is an overview analysis of certain of the results of that survey. The complete tabulations of student responses to that survey are also available for review.

The following includes comparisons with certain of the data from the 2007 Massachusetts YRBS. It should be noted that several of the questions in this survey were not asked of students in the 2007 Massachusetts YRBS.

SAFETY

- **5.9%** of all respondents (15% - MA YRBS) report “never” or “rarely” wearing a seatbelt when riding in a car driven by someone else. There was little variation by grade (females – 3.8%, males – 8.0%). Among those most likely to drive, **3.2%** of 11th graders and **6.5%** of 12th graders report “never” or “rarely” wearing a seatbelt when they themselves drive.
- **16.3%** of all respondents report “never” or “rarely” wearing a helmet when they go skiing or snowboarding (grade 9 – 13.2%, grade 10 – 16.0%, grade 11 – 18.1%, grade 12 – 17.9%). Male respondents (18.2%) report doing so more frequently than females (14.2%).
- **21.2%** of all respondents report having ridden in a car or other vehicle driven by a minor (under age 21) who had been drinking alcohol or using other drugs at least once during the thirty days prior to the survey. The incidence of this experience increased each year by grade (grade 9 – 11.1%, grade 10 – 18.2%, grade 11 – 25.1%, grade 12 – 31.8%). Male respondents (24.5%) report this experience more frequently than females (18.0%).
- **8.8%** of all respondents (11% - MA YRBS) report having driven a car or other vehicle when they had been drinking alcohol on at least one occasion during the thirty days prior to the survey. Respondents from grade 12 (19.7%) and grade 11 (10.9%) were most likely to have done so. The groups which most frequently reported this behavior were 11th grade males (13.8%), 12th grade females (14.5%), and 12th grade males (23.0%). By comparison, **14.4%** report driving a car or other vehicle when they had been using marijuana during the same period of time.
- **One-third (33.3%)** of all respondents report having driven a car while using a cell phone to talk or text at least once during the previous thirty days. Among those most likely to drive, 51.7% of 11th graders and 73.1% of 12th graders report having done so. There was very little variation by gender.
- **17.2%** of all respondents report having been threatened, humiliated, or experienced hostile behaviors from others through electronic communication in any form during the previous twelve months. There was little variation by grade (grade 9 – 17.6%, grade 10 – 18.6%, grade 11 – 15.9%, grade 12 – 16.1%) and no variation by gender. **11.5% of all respondents report doing so to someone else.**
- **One-fifth (21.7%)** of respondents report having received sexually explicit messages or photos electronically (also called “sexting”) during the twelve months prior to the survey. The incidence of this experience increased each year by grade (grade 9 – 16.7%, grade 10 – 21.4%, grade 11 – 23.2%, grade 12 – 25.7%). Male respondents (24.2%) report this experience more frequently than females (19.1%).

VIOLENCE RELATED BEHAVIORS

- **2.9%** of all respondents **report having carried a gun on school property** on at least one occasion during the thirty days prior to the survey. There was little variation by grade. Males (4.6%) report doing so more frequently than females (1.1%).
- **5.6%** of all respondents (5% - MA YRBS) **report having carried a weapon such as a gun, knife, or club on school property** on at least one occasion during the thirty days prior to the survey (grade 9 – 4.2%, grade 10 – 5.8%, grade 11 – 5.5%, grade 12 – 6.6%). Males (8.9%) were more likely to have carried a weapon on school property than were females (2.2%). Further, **4.1% report having done so during the school day.**
- **4.9%** of all respondents (5% - MA YRBS) **report having been threatened or injured by someone with a weapon such as a gun, knife, or club on school property** on at least one occasion during the twelve months prior to the survey. There was very little variation by grade. Male respondents (6.9%) were more likely to have had this experience than were females (2.8%).
- **6.4%** of all respondents (11% - MA YRBS) **report having ever been hurt physically or sexually by a date or someone they were going out with** (grade 9 – 4.7%, grade 10 – 6.0%, grade 11 – 6.5%, grade 12 – 8.0%). Female respondents (7.6%) report this experience slightly more frequently than males (5.2%) and **3.3% report having ever done so to someone else.**
- **15.8%** of all respondents **report having been shouted at, sworn at, scared, threatened, or insulted by someone they were dating or going out with** on at least one occasion during the twelve months prior to the survey. The incidence of this experience increased slightly each year by grade (grade 9 – 11.8%, grade 10 – 15.1%, grade 11 – 16.8%, grade 12 – 19.5%) (females – 17.4%, males – 14.2%). Among all respondents, **13.0% report having done so to someone else.**
- **14.9%** of all respondents (22% - MA YRBS) **report having been bullied in school** during the twelve months prior to the survey. The incidence of this experience decreased each year by grade (grade 9 – 19.4%, grade 10 – 17.3%, grade 11 – 11.8%, grade 12 – 10.0%). Males (16.3%) report being bullied in school slightly more frequently than females (13.5%). Further, **2.8%** of all respondents **report that they resisted being bullied in school with physical force.**

VIOLENCE RELATED BEHAVIORS (CONT'D)

- **6.6%** of all respondents **report having been sexually harassed in school** during the twelve months prior to the survey (grade 9 – 5.9%, grade 10 – 8.1%, grade 11 – 5.5%, grade 12 – 6.5%). There was little variation by gender (females – 7.6%, males – 5.6%).
- **13.2%** of all respondents (17% - MA YRBS) **report having hurt themselves on purpose (cuts, burns, bruises) on at least one occasion** during the previous twelve months. The incidence of this behavior was highest in grade 11 (grade 9 – 10.7%, grade 10 – 13.7%, grade 11 – 14.7%, grade 12 – 13.5%). Female respondents (16.2%) report such self-injury more frequently than males (10.3%).

SUICIDE

- **11.8%** of all respondents (13% - MA YRBS) **report having seriously considered attempting suicide** during the twelve months prior to the survey. There was little variation by grade (grade 9 – 10.1%, grade 10 – 12.3%, grade 11 – 11.9%, grade 12 – 12.7%). Female respondents (13.2%) report having done so slightly more frequently than males (10.5%).
- **4.3%** of all respondents (8% - MA YRBS) **report having actually attempted suicide** on at least one occasion during the twelve months prior to the survey. Again, there was little variation by grade (grade 9 – 3.2%, grade 10 – 5.0%, grade 11 – 3.6%, grade 12 – 4.9%). There was no variation by gender.

TOBACCO USE

- **22.2%** of all respondents (46% - MA YRBS) **report having ever tried cigarette smoking, even one or two puffs.** The incidence of lifetime cigarette smoking increased each year by grade (grade 9 – 11.6%, grade 10 – 20.4%, grade 11 – 25.4%, grade 12 – 32.3%). Males (25.5%) report having ever tried cigarette smoking more frequently than females (18.6%). Further, **6.0%** of all respondents **report having smoked a whole cigarette for the first time before the age of 13.**
- **11.3%** of all respondents (18% - MA YRBS) **report having smoked cigarettes on at least one day during the thirty days prior to the survey.** The incidence of recent cigarette smoking also increased each year by grade (grade 9 – 5.1%, grade 10 – 8.6%, grade 11 – 13.1%, grade 12 – 18.5%) (females – 8.8%, males – 13.7%).
- **11.1%** of all respondents (15% - MA YRBS) **report having smoked cigars, cigarillos, or little cigars** on at least one occasion during the thirty days prior to the survey. The incidence of this behavior increased each year by grade (grade 9 – 4.8%, grade 10 – 9.3%, grade 11 – 11.9%, grade 12 – 18.6%). Males (17.1%) were much more likely to have done so than were females (4.8%).

ALCOHOL USE

- **57.4%** of all respondents (73% - MA YRBS) **report having had at least one drink of alcohol (other than for religious reasons) on at least one occasion during their lives and 10.7%** (20% - MA YRBS) **report having had their first drink of alcohol before the age of 13.** The incidence of lifetime alcohol use increased each year by grade (grade 9 – 38.4%, grade 10 – 53.5%, grade 11 – 64.6%, grade 12 – 75.9%). There was little variation by gender (females – 55.6%, males – 58.9%).
- **35.1%** of all respondents (46% - MA YRBS) **report having had at least one drink of alcohol on at least one occasion during the thirty days prior to the survey.** The incidence of recent alcohol use also increased each year by grade (grade 9 – 18.5%, grade 10 – 29.8%, grade 11 – 41.2%, grade 12 – 53.4%). There was little variation by gender (females – 33.7%, males – 36.5%).
- **22.6%** of all respondents (28% - MA YRBS) **report having had five or more drinks of alcohol in a row** (within a couple of hours) on at least one occasion during the thirty days prior to the survey. The incidence of binge drinking also increased each year by grade (grade 9 – 8.6%, grade 10 – 17.6%, grade 11 – 26.4%, grade 12 – 39.7%). Males (25.6%) report binge drinking more frequently than females (19.5%).
- **More than one-quarter (27.1%)** of all respondents **report having attended parties held in homes in their school district where alcohol use by teens was allowed, either occasionally or frequently** during the twelve months prior to the survey. The incidence of this experience increased each year by grade (grade 9 – 13.1%, grade 10 – 22.8%, grade 11 – 32.5%, grade 12 – 42.3%). There was very little variation by gender (females – 26.1%, males – 28.0%).
- **When asked their perception about how many students at their grade level in their school had used alcohol during the previous month, 23% believed that over three-quarters of their peers had done so and another 35% (total of 58%) believed that over half had done so.** In fact, **35%** of all respondents actually **report having used alcohol during the previous month.**

ILLEGAL DRUG USE

- **Nearly one-third (32.5%)** of all respondents (41% - MA YRBS) **report having ever used marijuana** and **4.4%** (9% - MA YRBS) **report having done so for the first time before the age of 13**. The incidence of this behavior increased each year by grade (grade 9 – 14.5%, grade 10 – 28.0%, grade 11 – 39.9%, grade 12 – 50.0%). Males (37.3%) were more likely to have ever used marijuana than were females (27.3%). Further, **22.9%** of all respondents (25% - MA YRBS) **report having used marijuana on at least one occasion during the thirty days prior to the survey** (females – 17.5%, males – 28.1%).
- **When asked their perception about how many students at their grade level in their school had used marijuana during the previous month, 10.7% believed that over three-quarters of their peers had done so and another 24.0% (total of 34.7%) believed that over half had done so.** In fact, **22.9%** of all respondents actually **report having used marijuana during the previous month**.
- **8.5%** all respondents **report having used someone else’s prescription medication** during the twelve months prior to the survey (grade 9 – 5.3%, grade 10 – 6.5%, grade 11 – 8.9%, grade 12 – 13.4%). There was no variation by gender.
- **4.9%** all respondents (9% - MA YRBS) **report having ever used any form of cocaine, including powder, crack, or freebase**. The incidence of lifetime cocaine use increased slightly each year by grade (grade 9 – 3.3%, grade 10 – 3.9%, grade 11 – 4.2%, grade 12 – 7.5%) and was higher among males (6.8%) than females (2.8%).
- **4.2%** all respondents **report having sniffed glue, or breathed the contents of spray cans, or inhaled any paints or sprays to get high** on at least one occasion during the thirty days prior to the survey. There was little variation by grade (females – 3.0%, males – 5.4%).
- **5.1%** of all respondents (7% - MA YRBS) **report having ever used MDMA (i.e. ecstasy, “E”, “X”)**. The incidence of this behavior increased slightly each year by grade (grade 9 – 3.3%, grade 10 – 4.0%, grade 11 – 4.7%, grade 12 – 7.7%). Males (6.7%) report using MDMA more than females (3.5%).

ILLEGAL DRUG USE (CONT'D)

- **8.1%** all respondents **report having ever used any “other type” of illegal drug such as LSD, PCP, mushrooms, Ketamine (Special K), Rohypnal (Roofies) or GHB.** The incidence of this behavior increased each year by grade (grade 9 – 4.7%, grade 10 – 6.0%, grade 11 – 8.7%, grade 12 – 12.7%). Male respondents (11.3%) were more likely to have ever used “other drugs” than were females (4.8%).
- **18.0%** of all respondents (27% - MA YRBS) **report having been offered, sold, or given an illegal drug on school property** on at least one occasion during the twelve months prior to the survey (grade 9 – 13.8%, grade 10 – 17.6%, grade 11 – 20.1%, grade 12 – 20.8%). Male respondents (22.3%) were more likely to have been offered, sold, or given an illegal drug on school property than were females (13.6%).

GAMBLING

- **27.5%** of all respondents **report having gambled by betting on the lottery, Keno, sporting events, casino games, cards, or racing** at least once during the twelve months prior to the survey. The incidence of this behavior was highest in grade 12 (grade 9 – 24.1%, grade 10 – 22.7%, grade 11 – 28.7%, grade 12 – 35.0%). Males (38.7%) report having done so much more frequently than females (15.9%). In fact, **one-sixth (16.2%)** of all respondents **report having gambled during the previous month**.
- **4.5%** of all respondents **report having spent one or more hours online using the internet to gamble** during the month prior to the survey. The incidence of this behavior was highest in grade 12 (grade 9 – 3.6%, grade 10 – 4.3%, grade 11 – 3.4%, grade 12 – 5.9%). Males (7.4%) report doing so more frequently than females (1.4%).

HIV/AIDS EDUCATION

- **44.7%** of all respondents **report having ever talked about AIDS or HIV infection with their parents or other adults in their family** (grade 9 – 41.3%, grade 10 – 43.0%, grade 11 – 46.4%, grade 12 – 49.2%). Female respondents (47.5%) report having had such a conversation more frequently than males (41.9%).
- **92.7%** of all respondents (89% - MA YRBS) **report having ever been taught about AIDS/HIV infection in school**. There was very little variation by grade or gender.

SEXUAL BEHAVIOR

- **One-fourth (26.4%)** of all respondents (44% - MA YRBS) **report having ever had sexual intercourse**. The incidence of lifetime sexual intercourse increased each year by grade (grade 9 – 11.1%, grade 10 – 20.7%, grade 11 – 32.0%, grade 12 – 44.4%) (females – 24.5%, males – 28.2%). Further, **3.6%** of all respondents (6% - MA YRBS) **report having had sexual intercourse for the first time before the age of 13**.
- **7.3%** of all respondents (12% - MA YRBS) **report having had sexual intercourse with four or more partners** during their lives (grade 9 – 3.9%, grade 10 – 5.9%, grade 11 – 6.7%, grade 12 – 12.3%). Males (8.8%) report doing so more frequently than females (5.5%).
- **20.7%** of all respondents (33% - MA YRBS) **report having had sexual intercourse on at least one occasion during the three months prior to the survey**. The incidence of recent sexual intercourse increased each year by grade (grade 9 – 8.3%, grade 10 – 15.8%, grade 11 – 23.7%, grade 12 – 36.8%). There was little variation by gender (females – 19.5%, males – 21.8%).
- **8.0%** of all respondents **report having drunk alcohol or used drugs before they had sexual intercourse the last time**. The incidence of this behavior increased each year by grade (grade 9 – 3.8%, grade 10 – 5.9%, grade 11 – 7.9%, grade 12 – 14.7%) (females – 5.9%, males – 10.1%).
- **More than one-third (35.0%)** of all respondents **report having ever had oral sex, either given or received**. The incidence of lifetime oral sex increased each year by grade (grade 9 – 16.9%, grade 10 – 29.1%, grade 11 – 41.1%, grade 12 – 55.6%). Males (37.2%) report this experience more frequently than females (32.7%). Further, **32.4%** of all respondents **report having oral sex at least once during the previous twelve months**.
- **When asked their perception about how many students at their grade level in their school have ever had sexual intercourse, 23.9% believed that over one-half of their peers had done so**. In fact, just over one-quarter (**26.4%**) of all respondents actually **report having ever had sexual intercourse**.

DIETARY BEHAVIOR

- While **60.8%** of all respondents **described themselves as being at about the right weight, 38.8%** (46% - MA YRBS) were **trying to lose weight** (grade 9 – 36.2%, grade 10 – 36.9%, grade 11 – 41.8%, grade 12 – 41.0%). Females (55.6%) were much more likely to be trying to lose weight than were males (22.5%) who were much more likely to be trying to gain weight.
- During the thirty days prior to the survey, **in order to lose weight or to keep from gaining weight:**
 - **60.5%** of all respondents **report having exercised.** (females – 68.2%, males – 53.1%)
 - **32.6%** of all respondents **report having eaten less food, fewer calories, or foods low in fat.** (females – 47.2%, males – 18.5%)
 - **7.2%** of all respondents (11% - MA YRBS) **report having gone without eating for 24 hours or more.** (females – 10.0%, males – 4.4%)
 - **3.5%** of all respondents (6% - MA YRBS) **report having taken diet pills, powders, or liquids without a doctor’s advice.** (females – 3.7%, males – 3.3%)
 - **3.6%** of all respondents (5% - MA YRBS) **report having vomited or taken laxatives.** (females – 4.7%, males – 2.5%)
- **25.3%** of all respondents **report drinking a caffeinated beverage such as coffee, coffee drinks, tea, soda, sports drinks, or drinks like Red Bull** at least once per day on average during the previous seven days. The incidence of drinking caffeinated beverages increased each year by grade (grade 9 – 20.9%, grade 10 – 22.9%, grade 11 – 26.2%, grade 12 – 31.2%). There was no variation by gender.
- **32.5%** of all respondents **report having eaten breakfast on fewer than five days during the week prior to the survey** (grade 9 – 28.9%, grade 10 – 28.7%, grade 11 – 35.7%, grade 12 – 37.4%). There was very little variation by gender.

PHYSICAL ACTIVITY

- **74.3%** of all respondents **report having exercised or participated in physical activities for at least 20 minutes on at least three days during the week prior to the survey.** The incidence of such regular exercise was highest in grade 10 (grade 9 – 76.4%, grade 10 – 78.1%, grade 11 – 70.4%, grade 12 – 72.1%). Males (77.1%) report having done so more frequently than females (71.5%).
- **Nearly two-thirds (64.6%)** of all respondents **report that they get seven or fewer hours of sleep each night on average.** The incidence of this experience increased each year by grade (grade 9 – 56.5%, grade 10 – 62.8%, grade 11 – 69.5%, grade 12 – 70.5%). Female respondents (69.8%) were more likely to get seven or fewer hours of sleep each night than were males (59.5%).
- **36.9%** of all respondents (28% - MA YRBS) **report that they watch television, play video games, or use a computer 3 hours or more per day on an average school day outside of school** (grade 9 – 35.7%, grade 10 – 33.6%, grade 11 – 37.1%, grade 12 – 41.3%). Males (40.5%) report doing so more frequently than females (33.1%).