

BARRINGTON ADULT YOUTH TEAM DRUG-FREE COMMUNITY

**Biannual Youth Survey Report
June 2011**

Prepared By:

P. Allison Minugh, Ph.D.

Bethany Marcogliese, Ph.D.

Nicole Cameron, B.S.

Andrew Brown, B.A.



**7 Thurber Boulevard
Smithfield, RI 02917
401-232-DATA**

**200 West 17th Street
Cheyenne, WY 82001
307-634-1808**

**info@mjdatacorp.com
www.mjdatacorp.com**

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PROGRAM OVERVIEW

The BAY Team

The Barrington Adult Youth Team (BAY Team) is the city of Barrington's substance abuse prevention task force. The BAY Team is led by Kathleen Sullivan (Program Director) and Kristen Westmoreland (Program Manager) and is composed of numerous sectors of the community including local businesses, youth organizations, schools, citizens, faith community, parents, human services agencies, local government, and law enforcement. Its mission is to promote a safe and healthy Barrington through collaboration and communication.

The prevention efforts of the BAY Team include environmental prevention strategies such as media marketing campaigns that challenge youth perception about alcohol and drug use; strengthening law enforcement efforts; supporting local ordinance change; and strengthening enforcement of the new policies. In addition to these strategies, the BAY Team implements evidence-based prevention education in the Barrington School District and throughout the community, and offers safe alternative activities for youth.

The BAY Team is a recipient of the five-year Drug-Free Communities Support Program (DFC) grant. The DFC is a collaborative effort between the Executive Office of the President, Office of National Drug Control Policy (ONDCP), and the Substance Abuse and Mental Health Services Administration (SAMHSA). Grant awards are made available through SAMHSA with funding from ONDCP. The funding is established in an effort to address two major goals: 1) Establish and strengthen collaboration among communities, private nonprofit agencies, and Federal, State, and local and tribal governments to support the efforts of community coalitions to prevent and reduce substance abuse among youth; and 2) Reduce substance abuse among youth and, over time, among adults by addressing the factors in a community that increase the risk of substance abuse and promoting the factors that minimize the risk of substance abuse.

The youth survey reported in this document was administered as part of the DFC evaluation requirement.

Project Goals and Related Program Activities

The primary goals of the BAY Team are to reduce alcohol and illicit drug use among youth in Barrington, and to reduce adult acceptance of teen drinking and other illegal drug use in the community. To reach these goals, the BAY Team is addressing the factors in the community that increase the risk of substance abuse, promoting the factors that minimize the risk of substance

abuse, improving local policies, and strengthening law enforcement efforts. For example, the BAY Team is implementing a Social Norms Marketing Campaign. The results from the Youth Survey presented in this report will be used in the creation of the media campaign that will focus on the number of youth who are making good decisions and not using alcohol or other drugs. This campaign will strive to correct a misperception that “all the kids are doing it,” and give the viewer a healthy norm to strive for via a positive behavior change.

YOUTH SURVEY

The Barrington Risk and Protective Factor Youth Survey is based on the Communities That Care (CTC) Youth Survey, with a set of additional questions tailored to meet the needs and issues relevant to Barrington Youth and the program objectives of the BAY Team. In 2009, these additional questions pertained to extracurricular activities, seat-belt safety, and alcohol-related behaviors, such as how the participant obtained alcohol the last time s/he drank, as well as the location where s/he last drank. In 2011, the BAY Team administered the same set of questions as in 2009 with an added supplemental questionnaire assessing students’ use of and access to prescription drugs.

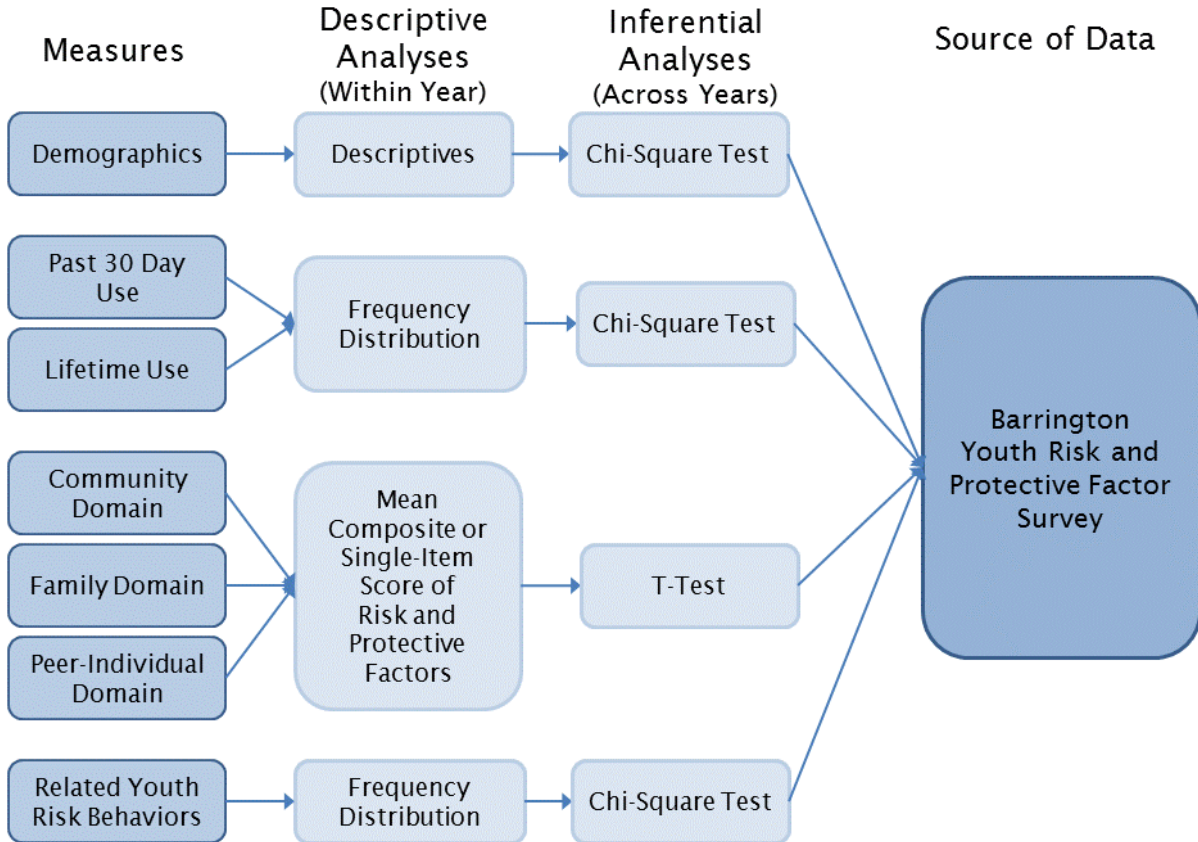
The Youth Survey was administered to all students attending the Barrington Middle School and High School. For the 2011 survey administration, data was collected from 976 students at the high school level and 678 students at the middle school level.

The results presented in this report are from the second administration of the Youth Survey. This survey is administered every other year during the five-year DFC grant period, and is scheduled next for 2013. Tracking changes in behavior over time will provide important feedback on long-term behavioral changes.

Outcome Evaluation

Several outcome measures were utilized in the evaluation. All measures were taken from the Barrington Risk and Protective Factor Youth Survey. The measurement model below shows the constructs that were measured, the tests that were conducted on the measures, and the source from which the data were drawn.

Outcome Measurement Model



EVALUATION RESULTS

Demographics

Figure 1. Age

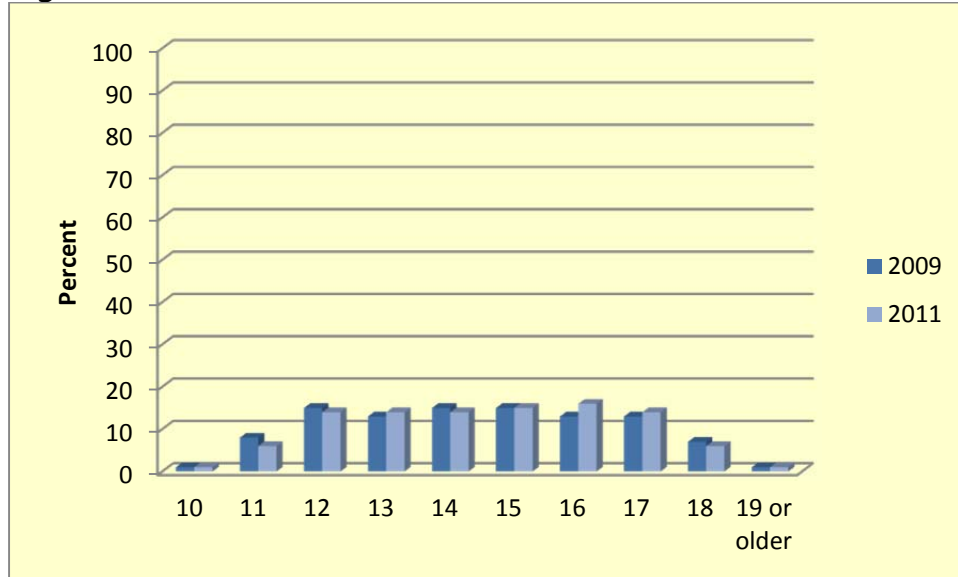


Figure 2. Number of Students per School

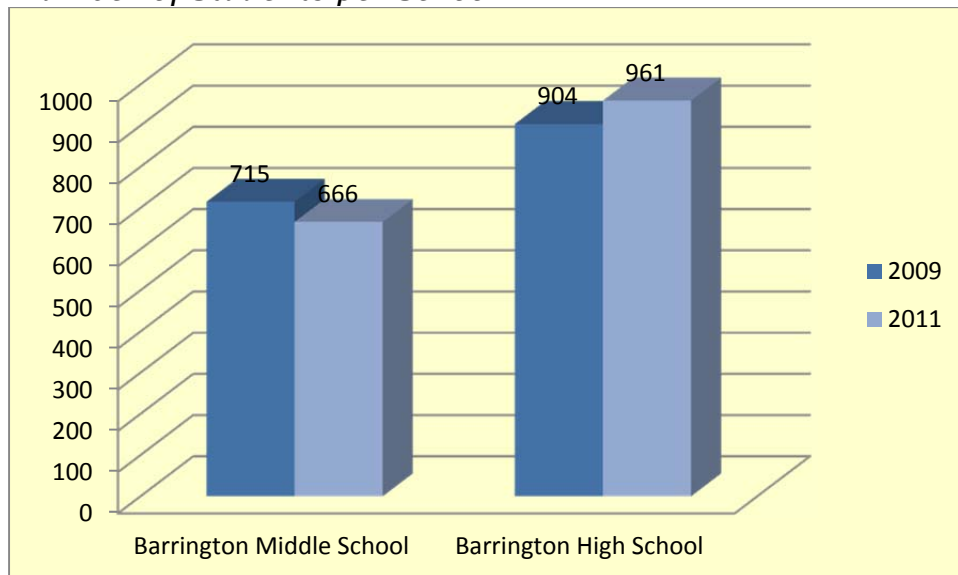


Figure 3. Current Grade Level

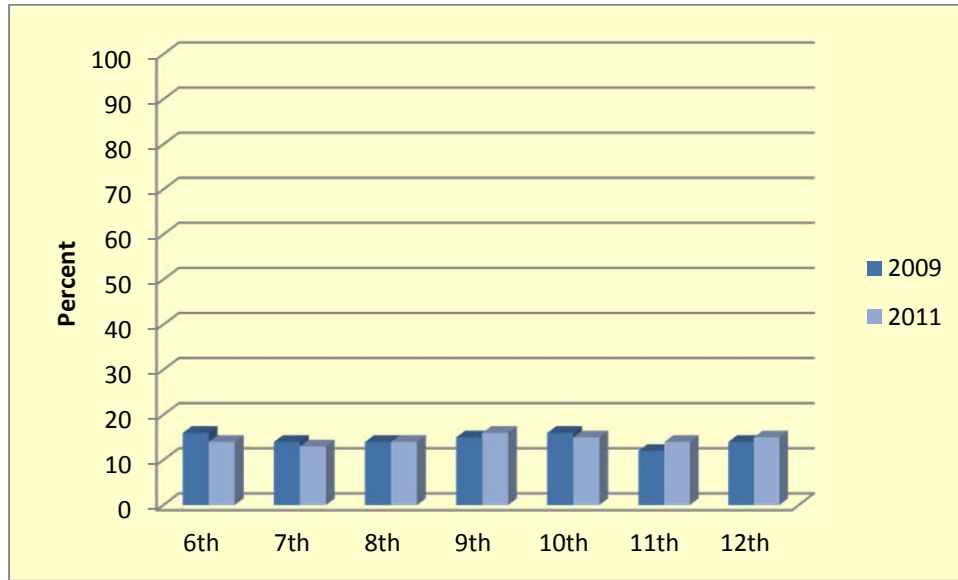


Figure 4. Gender

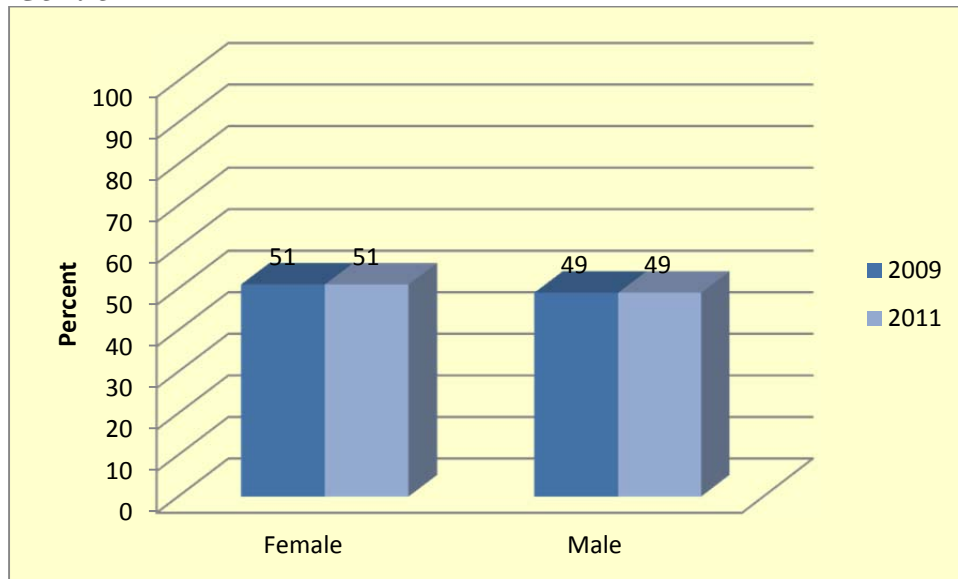


Figure 5. Ethnicity

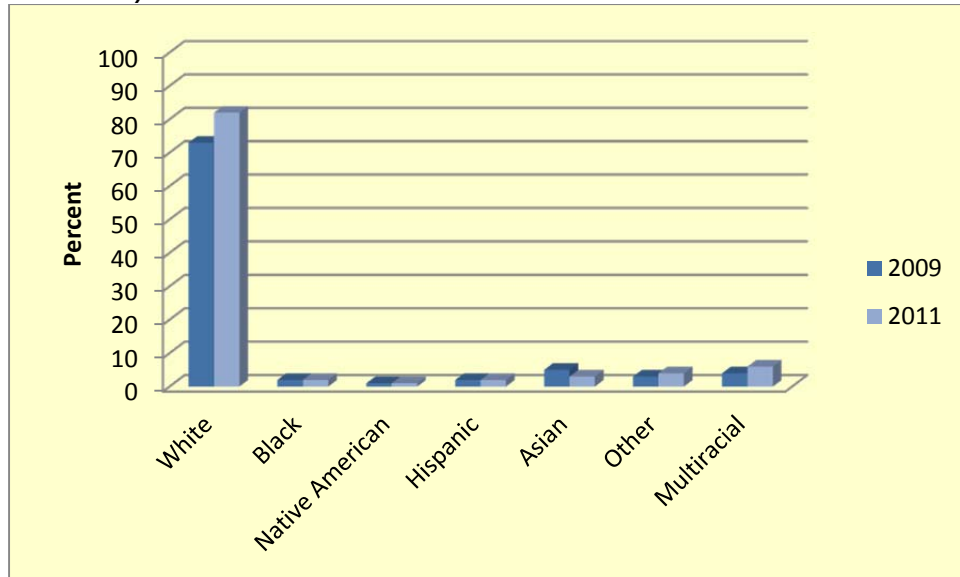


Figure 6. Do you live in Barrington?

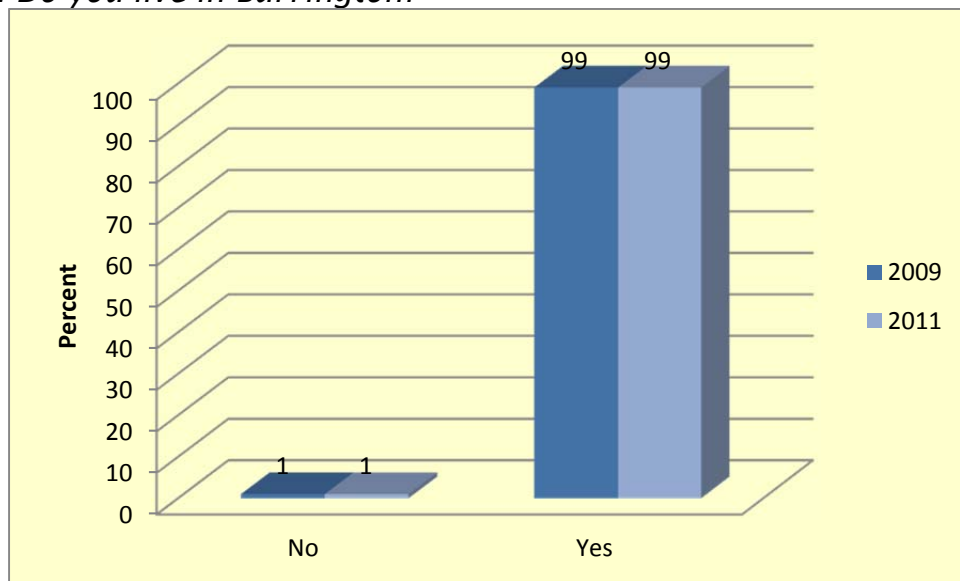
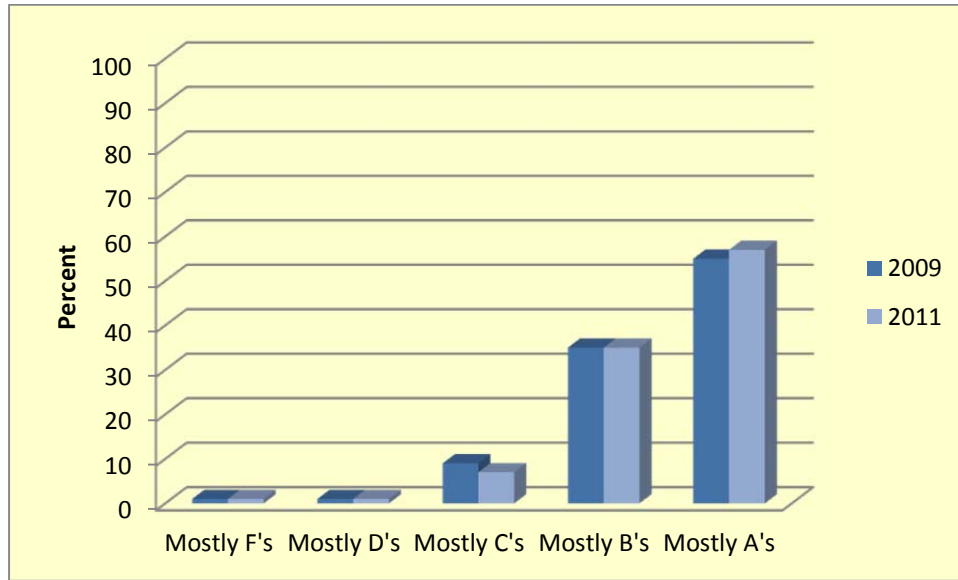


Figure 7. What Were Your Grades Like Last Year?



DFC Four Core Measures

Past 30 Day Use

Table 1. Past 30 Day Use of Alcohol by Grade and School (in percent)

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	99	99	< 1	< 1	< 1	< 1	0	0	0	0	0	0	0	0
7th	97	99	2	< 1	< 1	< 1	0	0	0	0	0	< 1	0	0
8th	89	94*	9	5	1	< 1	< 1	< 1	< 1	0	< 1	0	0	< 1
BMS	95	97	4	2	< 1	< 1	< 1	< 1	< 1	0	< 1	0	0	< 1
9th	85	80	9	14	4	2	1	2	< 1	< 1	0	< 1	< 1	< 1
10th	73	78	16	13	6	6	2	< 1	1	< 1	1	0	< 1	2
11th	72	68	15	21	7	5	3	2	1	3	0	0	3	2
12th	49	47	18	29*	14	12	8	6	6	3	< 1	< 1	6	2
BHS	70	68	14	19*	7	6	3	3	2	2	< 1	< 1	3	2

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 2. Past 30 Day Use of Alcohol by Gender (in percent)

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
Male	80	80	10	11	4	4	2	2	1	1	< 1	< 1	2	2
Female	82	80	10	13	5	4	2	1	2	1	< 1	< 1	< 1	< 1

Note - Numbers may not add up to 100% due to rounding.

Table 3. Past 30 Day Use of Marijuana by Grade and School (in percent)

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	99	100	< 1	0	0	0	0	0	< 1	0	< 1	0	0	0
7th	100	98	< 1	< 1	0	< 1	0	0	0	0	0	0	0	< 1
8th	96	98	2	1	< 1	< 1	0	0	1	0	0	0	< 1	< 1
BMS	98	99	1	< 1	< 1	< 1	0	0	< 1	0	0	0	< 1	< 1
9th	91	84*	3	7	2	3	1	< 1	< 1	1	0	< 1	2	4
10th	82	81	9	9	1	3	1	3	3	< 1	2	1	2	3
11th	72	74	12	6	3	8	4	4	3	2	2	< 1	5	4
12th	56	64	15	10	10	9	6	5	5	3	3	5	6	5
BHS	76	76	9	8	4	6	3	3	3	2	2	2	4	4

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 4. Past 30 Day Use of Marijuana by Gender (in percent)

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
Male	83	81	5	6	2	5	2	2	2	2	1	1	4	4
Female	88	90	6	4	2	2	2	2	1	< 1	< 1	< 1	< 1	< 1

Note - Numbers may not add up to 100% due to rounding.

Table 5. Past 30 Day Use of Cigarettes by Grade and School (in percent)

	<u>Not at all</u>		<u>Less than one cigarette per day</u>		<u>One to five cigarettes per day</u>		<u>About one-half pack per day</u>		<u>About one pack per day</u>		<u>About one and one-half packs per day</u>		<u>Two packs or more per day</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	100	100	< 1	< 1	0	0	0	0	0	0	0	0	0	0
7th	100	99	< 1	1	0	0	0	0	0	0	0	0	0	0
8th	96	98	4	2	< 1	0	0	0	0	0	0	0	0	0
BMS	98	99	1	1	< 1	0	0	0	0	0	0	0	0	0
9th	95	96	4	2	< 1	1	0	< 1	0	0	0	0	0	< 1
10th	85	92*	9	4	4	3	1	< 1	< 1	< 1	0	0	0	0
11th	81	84	9	8	5	5	3	2	2	< 1	0	< 1	0	< 1
12th	78	78	14	13	4	4	2	3	2	< 1	0	0	0	< 1
BHS	85	88	9	7	3	3	2	1	1	< 1	0	< 1	0	< 1

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 6. Past 30 Day Use of Cigarettes by Gender (in percent)

	<u>Not at all</u>		<u>Less than one cigarette per day</u>		<u>One to five cigarettes per day</u>		<u>About one-half pack per day</u>		<u>About one pack per day</u>		<u>About one and one-half packs per day</u>		<u>Two packs or more per day</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
Male	90	91	6	5	3	2	1	1	< 1	< 1	0	< 1	0	< 1
Female	92	94	6	4	1	1	< 1	< 1	< 1	< 1	0	< 1	0	< 1

Note - Numbers may not add up to 100% due to rounding.

Age of First Use

Table 7. Age of First Use of Alcohol by Grade and School (in percent)

	Never		≤10		11		12		13		14		15		16		≥17	
	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11
6th	94	92	4	7	2	<1	0	<1	0	0	0	0	0	0	0	0	<1	0
7th	89	91	8	5	1	2	1	1	0	1	0	0	0	0	0	0	0	0
8th	76	87*	8	2*	2	1	6	3	8	5	1	<1	0	0	0	0	0	0
BMS	86	90*	6	5	5	1	3	1	2	2	<1	<1	0	0	0	0	<1	0
9th	66	62	6	5	4	2	6	4	8	7	8	15	2	5	0	0	<1	0
10th	48	51	4	6	3	2	4	4	9	8	13	16	17	13	3	1	<1	0
11th	40	39	3	4	<1	2	5	4	6	6	14	11	18	15	11	17	2	2
12th	28	24	2	2	2	2	4	1	7	7	11	12	20	18	15	23	12	10
BHS	46	45	4	4	2	2	5	3	7	7	11	14	14	12	7	10	3	3

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

The overall average age of first use of alcohol was 13.51 in 2009 and 13.77 in 2011.

Table 8. Age of First Use of Alcohol by Gender (in percent)

	Never		≤10		11		12		13		14		15		16		≥17	
	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11
Male	63	62	6	6	3	2	4	3	6	5	6	8	8	7	3	6	3	2
Female	65	65	4	3	1	1	3	2	3	5	4	8	4	8	3	6	<1	2

Note - Numbers may not add up to 100% due to rounding.

Table 9. Age of First Use of Marijuana by Grade and School (in percent)

	Never		≤10		11		12		13		14		15		16		≥17	
	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11
6th	99	99	<1	<1	0	0	0	<1	<1	0	0	0	0	0	0	0	0	0
7th	98	99	<1	<1	0	0	<1	<1	<1	0	0	0	0	0	0	0	0	0
8th	95	97	1	<1	<1	<1	0	<1	1	1	<1	<1	0	0	0	0	<1	0
BMS	97	98	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	0	0	<1	0
9th	87	76*	2	2	<1	<1	<1	2	3	6	5	11	1	3	0	0	<1	0
10th	72	69	0	2	0	<1	1	2	4	2	7	11	11	11	3	2	1	<1
11th	58	58	1	<1	<1	1	3	<1	2	6	9	9	12	13	14	10	1	1
12th	42	44	<1	<1	<1	0	2	<1	2	5	8	9	13	15	12	16	18	10
BHS	66	62	<1	1	<1	<1	2	1	3	5	7	10	9	10	7	7	5	3

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

The overall average age of first use of marijuana was 14.65 in 2009 and 14.37 in 2011.

Table 10. Age of First Use of Marijuana by Gender (in percent)

	Never		≤10		11		12		13		14		15		16		≥17	
	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11
Male	77	73	1	2	<1	<1	1	1	2	3	4	6	6	7	4	4	3	2
Female	82	81	<1	<1	0	<1	<1	<1	2	3	4	5	4	5	4	4	3	1

Note - Numbers may not add up to 100% due to rounding.

Table 11. Age of First Use of Cigarettes by Grade and School (in percent)

	Never		≤10		11		12		13		14		15		16		≥17	
	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11
6th	99	98	0	1	<1	0	0	<1	<1	0	0	0	0	0	0	0	<1	0
7th	97	97	2	<1	<1	0	<1	2	0	1	0	0	0	0	0	0	0	0
8th	91	96*	2	<1	3	<1	1	<1	2	<1	<1	<1	<1	0	0	0	0	0
BMS	96	97	1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	0	<1	0	<1	0
9th	85	86	3	1	2	1	<1	4	3	4	5	3	<1	1	<1	0	1	0
10th	73	79	1	3	1	1	2	1	5	3	7	4	9	8	2	<1	0	0
11th	64	67	2	2	<1	1	4	2	3	4	9	5	7	11	9	7	<1	0
12th	57	56	2	1	<1	<1	4	<1	5	4	6	9	7	7	7	12	12	8
BHS	71	72	2	2	1	1	3	2	4	4	7	5	6	6	4	5	3	2

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

The overall average age of first use of cigarettes was 13.94 in 2009 and 13.93 in 2011.

Table 12. Age of First Use of Cigarettes by Gender (in percent)

	Never		≤10		11		12		13		14		15		16		≥17	
	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11	'09	'11
Male	80	79	2	3	1	<1	2	2	2	2	4	4	3	5	2	3	2	1
Female	83	86	<1	<1	<1	<1	1	1	3	3	4	3	3	3	3	3	2	1

Note - Numbers may not add up to 100% due to rounding.

Perception of Risk

Table 13. Perceived Risk of Harm of Using Alcohol by Grade and School (in percent)

	No risk		Slight risk		Moderate risk		Great risk	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	1	9	10	6	24	22	65	63
7th	4	4	7	6	29	22	61	68
8th	4	5	10	10	30	24	56	60
BMS	3	6	9	8	28	22	61	64
9th	4	4	13	12	26	25	57	60
10th	3	4	17	11	30	31	50	54
11th	4	7	12	13	23	32	62	49
12th	11	6*	19	15*	25	35*	44	44
BHS	5	5	15	13	26	31	53	52

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 14. Perceived Risk of Harm of Using Alcohol by Gender (in percent)

	No risk		Slight risk		Moderate risk		Great risk	
	2009	2011	2009	2011	2009	2011	2009	2011
Male	5	6	15	15	29	27	50	52
Female	3	4	10	7	25	27	62	62

Note - Numbers may not add up to 100% due to rounding.

Table 15. Perceived Risk of Harm of Marijuana: Trying Once or Twice by Grade and School (in percent)

	No risk		Slight risk		Moderate risk		Great risk	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	4	10	18	18	34	30	44	42
7th	4	5	16	14	37	29	44	51
8th	10	10	29	20	31	36	30	33
BMS	6	8	20	18	34	32	40	42
9th	17	25*	29	33*	30	22*	25	19*
10th	36	39	32	31	20	18	12	12
11th	41	44	26	27	18	15	15	14
12th	52	53	27	26	8	13	13	8
BHS	36	40*	29	30	19	17	16	13*

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 16. Perceived Risk of Harm of Marijuana: Trying Once or Twice by Gender (in percent)

	<u>No risk</u>		<u>Slight risk</u>		<u>Moderate risk</u>		<u>Great risk</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
Male	28	33	24	22	24	21	24	25
Female	18	22	26	28	28	25	28	25

Note - Numbers may not add up to 100% due to rounding.

Table 17. Perceived Risk of Harm of Marijuana: Regular Use by Grade and School (in percent)

	<u>No risk</u>		<u>Slight risk</u>		<u>Moderate risk</u>		<u>Great risk</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	3	9*	1	1	7	8	89	82*
7th	4	3	< 1	2	5	5	91	89
8th	4	5	4	5	19	14	73	76
BMS	3	6*	2	3	10	9	85	82*
9th	6	7	9	16*	22	28	64	50*
10th	5	11	24	23	24	29	47	37
11th	8	13*	18	26*	31	29*	43	32*
12th	14	13	34	27	21	28	30	32
BHS	8	11*	21	23	24	28	47	38*

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School; BHS = Barrington High School

Table 18. Perceived Risk of Harm of Marijuana: Regular Use by Gender (in percent)

	<u>No risk</u>		<u>Slight risk</u>		<u>Moderate risk</u>		<u>Great risk</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
Male	9	12	15	18	20	19	56	51
Female	3	6	11	12	16	22	70	60

Note - Numbers may not add up to 100% due to rounding.

Table 19. Perceived Risk of Harm of Using Cigarettes by Grade and School (in percent)

	<u>No risk</u>		<u>Slight risk</u>		<u>Moderate risk</u>		<u>Great risk</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	1	8*	2	3	13	13	84	77*
7th	2	3	3	3	10	9	85	85
8th	3	4	3	5	19	17	75	74
BMS	2	5*	3	3	14	13	81	78*
9th	3	2	5	4	17	16	76	78
10th	2	2	5	5	15	12	78	81
11th	2	3	4	4	17	13	77	80
12th	4	3	4	3	16	13	76	82
BHS	3	3	4	4	16	14	77	80

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 20. Perceived Risk of Harm of Using Cigarettes by Gender (in percent)

	<u>No risk</u>		<u>Slight risk</u>		<u>Moderate risk</u>		<u>Great risk</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
Male	3	4	4	4	19	16	73	76
Female	2	3	3	3	12	11	84	83

Note - Numbers may not add up to 100% due to rounding.

Parent Disapproval

Table 21. Perceived Parent Disapproval of Using Alcohol by Grade and School (in percent)

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	94	97	3	2	1	< 1	< 1	< 1
7th	94	92	5	5	< 1	2	< 1	1
8th	89	89	8	7	2	3	< 1	< 1
BMS	92	93	6	5	1	2	< 1	< 1
9th	83	80	14	16	2	3	< 1	< 1
10th	72	78	23	15	4	6	< 1	1
11th	78	72	16	22	4	5	2	1
12th	61	56	23	29	11	13	5	2
BHS	73	71	19	20	6	7	2	2

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 22. Perceived Parent Disapproval of Using Alcohol by Gender (in percent)

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
Male	79	78	15	15	4	5	2	2
Female	84	81	12	14	3	5	< 1	< 1

Note - Numbers may not add up to 100% due to rounding.

Table 23. Perceived Parent Disapproval of Using Marijuana by Grade and School (in percent)

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	96	99	1	0	1	< 1	1	< 1
7th	99	96	< 1	3	< 1	0	< 1	1
8th	94	95	4	2	< 1	1	< 1	1
BMS	97	97	2	2	< 1	< 1	1	< 1
9th	85	80	9	12	4	4	2	3
10th	82	75	13	16	5	7	< 1	2
11th	79	72	10	16	8	8	2	4
12th	70	67	16	17	10	11	4	5
BHS	79	74	12	16	7	7	2	3

Note - Numbers may not add up to 100% due to rounding.
 BMS = Barrington Middle School BHS = Barrington High School

Table 24. Perceived Parent Disapproval of Using Marijuana by Gender (in percent)

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
Male	84	79	9	12	5	5	2	3
Female	89	86	7	8	3	4	< 1	2

Note - Numbers may not add up to 100% due to rounding.

Table 25. Perceived Parent Disapproval of Using Cigarettes by Grade and School (in percent)

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	96	98	3	0	0	1	< 1	< 1
7th	96	95	3	4	< 1	< 1	< 1	< 1
8th	93	95	6	4	< 1	< 1	< 1	< 1
BMS	95	96	4	3	< 1	< 1	< 1	< 1
9th	92	92	4	6	3	< 1	1	2
10th	82	84	13	13	5	2	0	< 1
11th	83	81	10	13	5	4	2	3
12th	74	73	16	17	6	8	4	2
BHS	82	82	11	12	5	4	2	2

Note - Numbers may not add up to 100% due to rounding.
 BMS = Barrington Middle School BHS = Barrington High School

Table 26. Perceived Parent Disapproval of Using Cigarettes by Gender (in percent)

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
Male	85	86	9	8	4	2	2	< 1
Female	90	89	7	9	2	3	< 1	2

Note - Numbers may not add up to 100% due to rounding.

Logic Model Items

This section reports on results that are related to the BAY Team’s logic model. The BAY Team logic model is available as a separate document provided by the BAY Team.

Results already presented in the previous section of the document are not duplicated.

Table 27. Would a kid who drinks alcohol get caught by the police in your neighborhood?

	<u>NO!</u>		<u>no</u>		<u>yes</u>		<u>YES!</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	5	10	24	30	45	36	26	25
7th	7	9	34	30	33	32	26	29
8th	15	13*	50	41*	29	35*	6	13*
BMS	9	10	36	33	35	34	20	22
9th	18	13	52	64	22	18	8	5
10th	16	24	63	58	17	14	4	4
11th	19	23	57	60	20	12	5	5
12th	13	23	68	63	15	10	3	4
BHS	13	21*	60	61	19	14*	5	5

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Past 30 Day Use of Alcohol results are reported in the previous section.

Table 28. What are the chances you would be seen as cool if you began drinking alcoholic beverages regularly?

	<u>No chance or very little chance</u>		<u>Little chance</u>		<u>Some chance</u>		<u>Pretty good chance</u>		<u>Very good chance</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	94	92	4	5	1	1	< 1	< 1	< 1	< 1
7th	88	85	8	12	3	1	< 1	1	< 1	1
8th	78	78	12	13	7	7	2	1	2	< 1
BMS	87	85	7	10	4	3	< 1	< 1	1	< 1
9th	58	53	17	19	12	20	8	5	6	2*
10th	44	50	22	17	22	19	8	9	4	5
11th	42	43	19	13	23	21	10	12	7	10
12th	32	31	18	17	23	25	12	16	16	11
BHS	44	44	19	17	20	21	9	10	8	7

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Perception of Risk of Harm of Using Substances results are reported in the previous section.

Past 30 day Use of Cigarettes results are reported in the previous section.

Table 29. Past 30 Day Use of Smokeless Tobacco by Grade and School (in percent)

	<u>Never</u>		<u>Once or Twice</u>		<u>Once or Twice per Week</u>		<u>About Once a Day</u>		<u>More Than Once a Day</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	100	100	0	0	< 1	0	0	0	0	0
7th	100	99	< 1	1	0	0	0	0	0	0
8th	99	99	< 1	< 1	< 1	< 1	0	0	< 1	0
BMS	99	99	< 1	< 1	< 1	< 1	0	0	< 1	0
9th	98	98	1	1	0	0	0	0	< 1	< 1
10th	92	95	4	3	3	< 1	0	0	< 1	2
11th	88	91	7	5	2	2	2	< 1	1	2
12th	88	88	5	6	< 1	3	< 1	2	6	1*
BHS	92	93	4	4	2	1	< 1	< 1	2	1

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Substance Use

Past 30 Day Use

Past 30 Day Use for Alcohol, Marijuana, and Cigarettes results are reported in the previous section.

Table 30. Past 30 Day Use of Prescription Drugs by Grade and School (in percent)

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	97	98	3	1	< 1	< 1	0	0	0	0	0	0	0	0
7th	96	98	2	< 1	2	< 1	< 1	0	0	0	0	< 1	0	0
8th	95	96	2	2	2	< 1	0	< 1	0	0	0	0	1	0
BMS	95	98*	2	1	1	< 1	< 1	< 1	0	0	0	0	< 1	< 1
9th	89	93	7	1	2	2	< 1	2	< 1	< 1	0	< 1	< 1	< 1
10th	89	90	6	4	1	2	3	1	< 1	1	0	1	0	< 1
11th	88	91	7	4	< 1	2	2	< 1	2	< 1	0	0	1	1
12th	82	93*	8	4*	2	< 1	3	< 1	2	0	1	< 1	2	< 1
BHS	87	92*	7	3	1	2	2	1	1	< 1	< 1	< 1	< 1	< 1

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 31. Past 30 Day Use of Inhalants by Grade and School (in percent)

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	99	99	1	< 1	0	< 1	0	0	0	0	0	0	0	0
7th	98	97	1	2	< 1	< 1	< 1	0	0	0	0	0	0	0
8th	98	96	1	3	0	< 1	< 1	0	0	0	< 1	0	0	< 1
BMS	98	97	1	2	< 1	< 1	< 1	0	0	0	< 1	0	< 1	< 1
9th	96	98	2	1	0	0	< 1	0	< 1	0	0	< 1	1	< 1
10th	98	95	2	2	0	< 1	< 1	1	0	< 1	< 1	0	0	< 1
11th	96	98	1	< 1	< 1	< 1	< 1	0	0	0	< 1	< 1	1	< 1
12th	94	99*	2	< 1	< 1	0	< 1	0	< 1	0	0	0	2	< 1
BHS	96	97	2	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 32. Past 30 Day Use of Cocaine/Crack by Grade and School (in percent)

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	100	100	0	0	0	0	0	0	0	0	0	0	0	0
7th	100	99	0	0	0	0	0	0	0	0	0	<1	0	<1
8th	99	99	0	<1	0	<1	<1	0	<1	0	0	0	0	0
BMS	99	99	0	<1	0	<1	<1	0	<1	0	0	<1	<1	0
9th	98	99	<1	<1	0	0	0	0	0	0	0	0	1	<1
10th	98	97	<1	<1	<1	0	<1	<1	0	0	0	0	0	1
11th	96	98	3	<1	0	<1	0	<1	0	0	0	0	2	<1
12th	96	99	<1	<1	<1	0	<1	0	<1	0	0	0	<1	<1
BHS	97	98	1	<1	<1	<1	<1	<1	<1	0	0	0	<1	<1

Note - Numbers may not add up to 100% due to rounding.
 BMS = Barrington Middle School BHS = Barrington High School

Table 33. Past 30 Day Use of Ecstasy by Grade and School (in percent)

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	100	100	0	0	0	0	0	0	0	0	0	0	<1	0
7th	100	99	0	0	0	0	0	0	0	<1	0	<1	0	0
8th	99	100	0	0	0	0	0	<1	<1	0	0	0	<1	0
BMS	100	100	0	0	0	0	0	<1	<1	0	0	<1	<1	<1
9th	97	98	<1	<1	<1	0	<1	<1	0	0	0	0	1	<1
10th	99	97	<1	2	0	<1	<1	<1	0	0	0	0	0	<1
11th	97	98	2	<1	<1	0	0	<1	0	0	0	0	<1	<1
12th	98	99	<1	0	0	0	0	0	<1	<1	<1	0	<1	<1
BHS	98	98	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Note - Numbers may not add up to 100% due to rounding.
 BMS = Barrington Middle School BHS = Barrington High School

Lifetime Use

Table 34. Percent of Lifetime Alcohol Use by Grade and School

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	94	92	4	6	2	2	< 1	< 1	< 1	< 1	0	< 1	0	0
7th	85	89	9	8	3	1	1	< 1	< 1	< 1	0	0	< 1	< 1
8th	68	85*	17	11*	7	2*	6	< 1*	6	< 1*	< 1	0	< 1	< 1
BMS	83	89*	10	8*	4	2*	1	< 1	1	< 1	< 1	0	< 1	< 1
9th	64	60	17	19	6	9	6	6	3	2	2	1	2	3
10th	47	50	17	19	16	11	6	9	6	3	4	4	4	4
11th	38	39	19	17	12	15	9	8	9	11	4	3	9	6
12th	25	23	13	12	12	17	9	9	14	14	7	11	20	14
BHS	44	43	16	17	12	13	7	8	8	8	4	5	8	7

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 35. Percent of Lifetime Marijuana Use by Grade and School

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	99	99	0	< 1	0	0	< 1	< 1	0	0	0	0	< 1	0
7th	98	98	1	< 1	0	1	< 1	0	0	0	< 1	0	0	< 1
8th	94	97	1	2	2	1	< 1	0	0	0	0	0	2	< 1
BMS	97	98	1	1	< 1	< 1	< 1	0	< 1	0	< 1	0	< 1	< 1
9th	88	77*	3	8	2	5	2	2	1	2	2	< 1	3	6
10th	75	71	7	9	2	3	3	1	2	5	3	4	8	6
11th	59	58	7	7	4	7	5	2	8	5	3	4	14	17
12th	43	46	10	9	5	6	7	4	8	5	9	7	18	23
BHS	67	63	6	8	3	5	4	2	5	4	4	4	11	13

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 36. Percent of Lifetime Cigarette Use by Grade and School

	<u>Never</u>		<u>Once or Twice</u>		<u>Once in a while, but not regularly</u>		<u>Regularly in the past</u>		<u>Regularly now</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	99	99	< 1	1	0	0	0	0	0	0
7th	97	97	2	2	< 1	1	0	< 1	0	0
8th	92	96	3	3	4	< 1	0	< 1	< 1	0
BMS	96	98	2	2	1	< 1	0	< 1	< 1	0
9th	88	88	5	7	5	3	< 1	< 1	1	2
10th	73	82*	10	9	9	2	2	3	5	4
11th	65	68	12	10	10	10	3	4	10	7
12th	57	59	17	18	13	12	5	4	9	7
BHS	71	74	11	11	9	7	3	3	6	5

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 37. Percent of Lifetime Prescription Drug Use by Grade and School

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	92	97*	3	< 1	2	< 1	< 1	< 1	0	< 1	0	0	2	0
7th	89	96*	6	1	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1	1	< 1
8th	90	93	4	5	1	< 1	< 1	< 1	3	0	< 1	< 1	< 1	0
BMS	91	95*	4	2	1	< 1	< 1	< 1	1	< 1	< 1	< 1	1	< 1
9th	84	87	7	3	3	3	< 1	1	2	2	< 1	< 1	3	2
10th	81	82	8	6	3	5	2	3	2	< 1	1	2	2	3
11th	78	84	7	7	4	3	2	< 1	4	< 1	1	< 1	5	4
12th	78	84*	5	6	4	2	5	3	< 1	3	2	0	6	2*
BHS	81	84*	7	5	3	3	2	2	2	2	1	< 1	4	3

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 38. Percent of Lifetime Inhalant Use by Grade and School

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	97	97	2	2	< 1	< 1	0	0	0	< 1	0	0	0	0
7th	93	95	3	4	2	< 1	< 1	< 1	< 1	0	0	< 1	0	0
8th	93	93	6	5	< 1	< 1	< 1	0	< 1	< 1	0	0	< 1	< 1
BMS	94	95	4	4	1	< 1	< 1	< 1	< 1	< 1	0	< 1	< 1	< 1
9th	91	94	4	3	< 1	1	< 1	0	< 1	< 1	0	0	2	1
10th	93	92	4	3	< 1	< 1	1	< 1	< 1	0	0	< 1	< 1	3
11th	91	94	4	3	2	< 1	0	0	0	1	1	0	2	< 1
12th	90	95*	4	4	< 1	< 1	0	0	< 1	0	0	0	4	< 1*
BHS	92	94	4	3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	1

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 39. Percent of Lifetime Cocaine/Crack Use by Grade and School

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	100	100	0	0	0	0	< 1	0	0	0	0	0	0	0
7th	100	99	0	0	0	0	0	0	0	0	0	0	0	1
8th	99	99	0	< 1	0	< 1	0	0	0	0	< 1	0	< 1	0
BMS	99	99	< 1	< 1	0	< 1	< 1	0	0	0	< 1	0	< 1	< 1
9th	97	96	< 1	2	0	1	0	0	< 1	0	0	0	2	0
10th	98	97	< 1	< 1	< 1	< 1	< 1	0	0	< 1	0	< 1	0	1
11th	95	97	2	< 1	< 1	< 1	1	< 1	0	0	0	0	2	2
12th	95	94	2	4	0	< 1	0	0	< 1	0	< 1	0	2	0
BHS	98	96	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 40. Percent of Lifetime Ecstasy Use by Grade and School

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	100	100	0	0	0	0	0	0	0	0	0	0	0	< 1
7th	100	99	0	0	0	0	0	0	0	0	0	< 1	0	< 1
8th	100	99	0	< 1	0	0	0	0	0	0	0	0	< 1	0
BMS	100	99	0	< 1	0	0	0	0	0	0	0	0	< 1	0
9th	97	96	< 1	2	0	0	0	0	0	0	0	0	2	2
10th	98	94	1	2	0	1	0	< 1	0	< 1	0	0	< 1	1
11th	95	95	3	3	< 1	< 1	0	0	< 1	0	0	< 1	< 1	1
12th	96	91*	2	6	0	< 1	0	< 1	< 1	< 1	< 1	0	< 1	1
BHS	97	94*	2	3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Risk and Protective Factors

The Center for Substance Abuse Prevention (CSAP) model for prevention needs assessment provides the framework for this section of the evaluation report. The theoretical model draws upon the Hawkins, Catalano and Miller (1992) model of risk and protection. Research has shown that certain personality and environmental characteristics may place youth at greater risk of using substances and developing related problems. These characteristics are known as risk factors. Research has also found elements of a young person's life that can reduce or eliminate the effect of risk factors. These elements are known as protective factors. Together, risk and protective factors help indicate how likely a young person is to start using alcohol and other drugs.

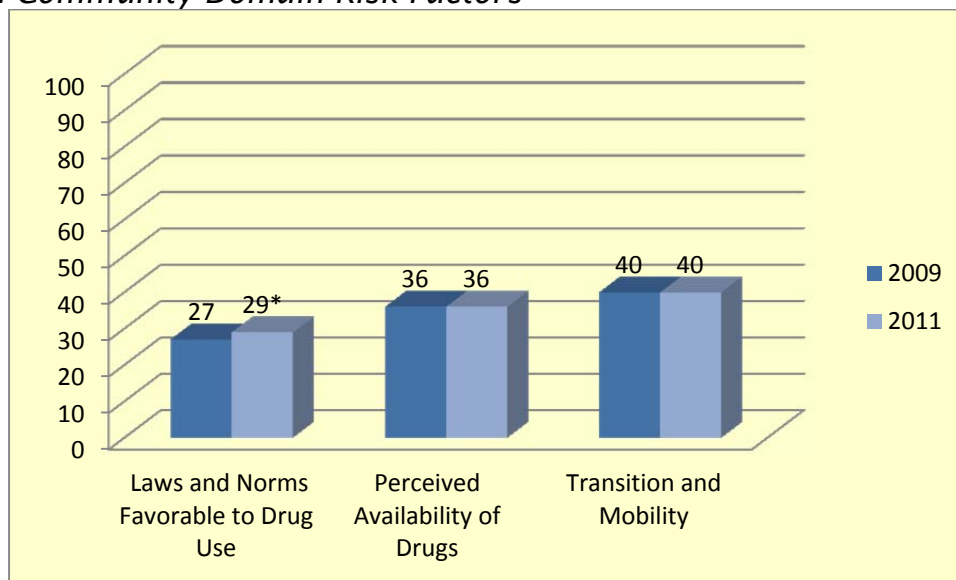
Risk and protective factors are not cast in stone. In fact, research has shown that prevention efforts can effectively reduce risk factors and increase protective factors. This finding suggests that effective prevention programming may result in changes in those risk and protective factors that are both malleable and are able to be addressed by the program.

The results presented below are split into two groups, risk factors and protective factors. Each of these groups is then broken down further into domains representing the community, family, and peer/individual elements. A domain encompasses scales that have been created from one or more of the questions related to risk and protective factors on the Youth Survey.

The scales range from 0-100. For risk factors, 0 represents no risk of starting to use alcohol, tobacco and other drugs (ATOD) while 100 represents the highest risk level for starting to use ATOD. For protective factors, 0 represents no protection against starting to use ATOD while 100 is the highest level of protection. The higher the score for the risk factor scales means increased risk whereas the higher the score for protective factor scales means more protection against ATOD use.

Risk Factors

Figure 8. Community Domain Risk Factors



*Change is significant at the 0.05 level

Figure 9. Family Domain Risk Factors

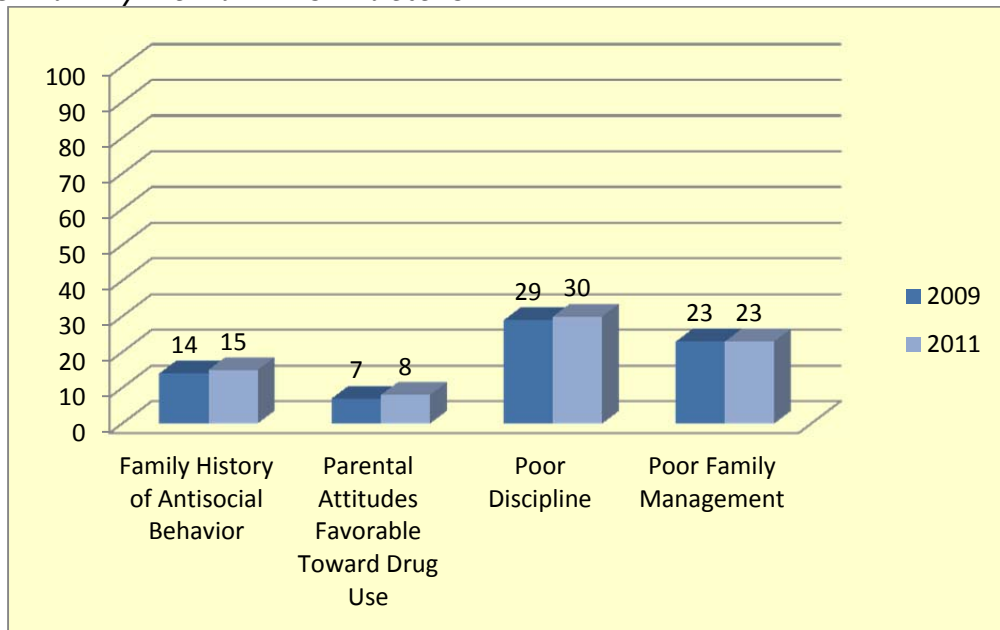
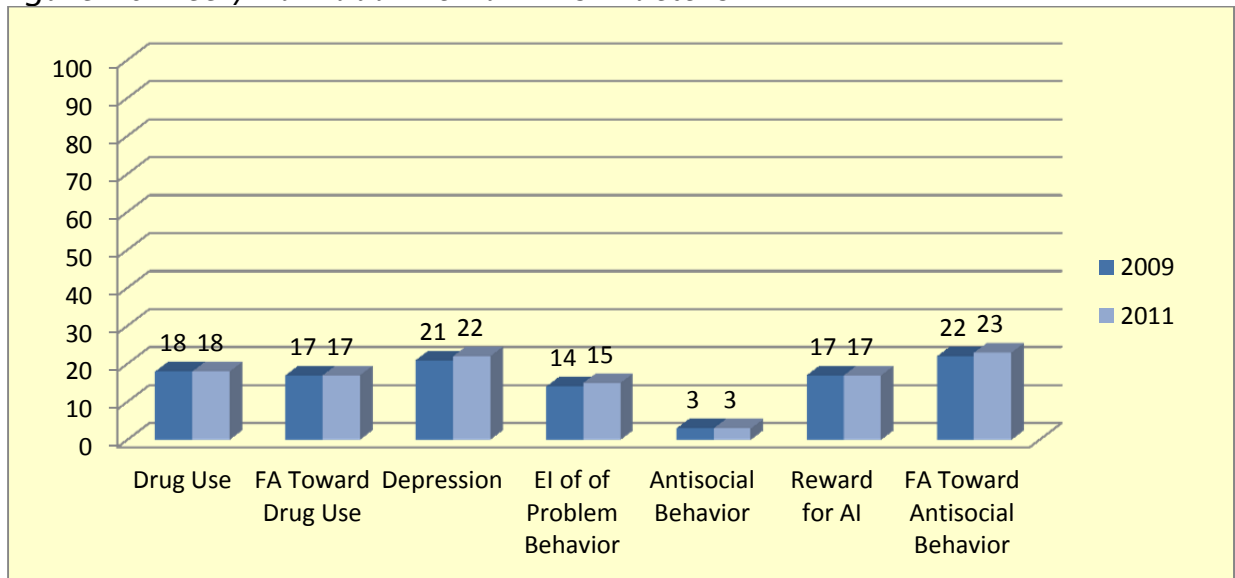


Figure 10. Peer/Individual Domain Risk Factors



FA = Favorable Attitude
 EI = Early Initiation
 AI = Antisocial Involvement

Protective Factors

The scales below range from 0-100. For protective factors, 0 represents no protection against starting to use ATOD while 100 is the highest level of protection. The higher scores for protective factor scales mean more protection against ATOD use.

Figure 11. Family Domain Protective Factors

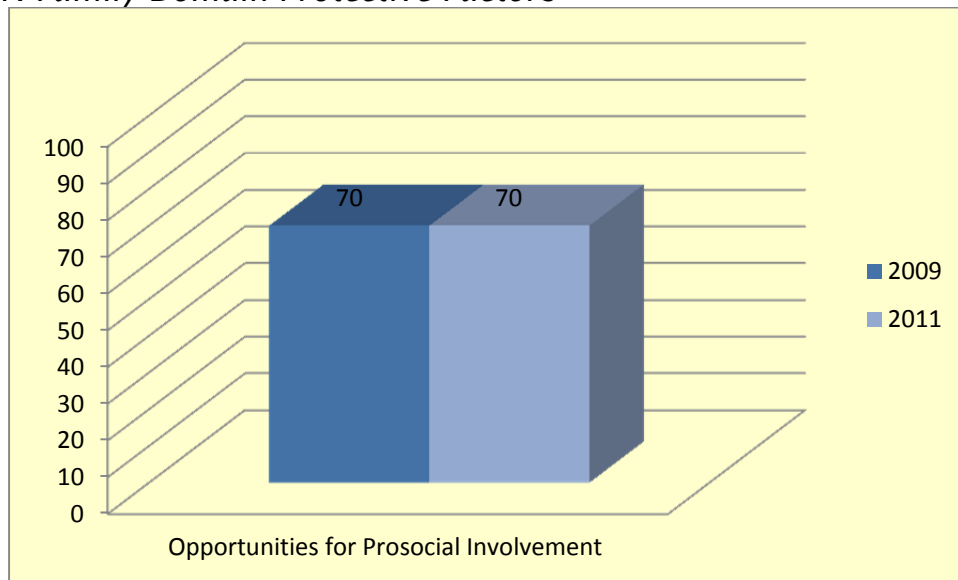
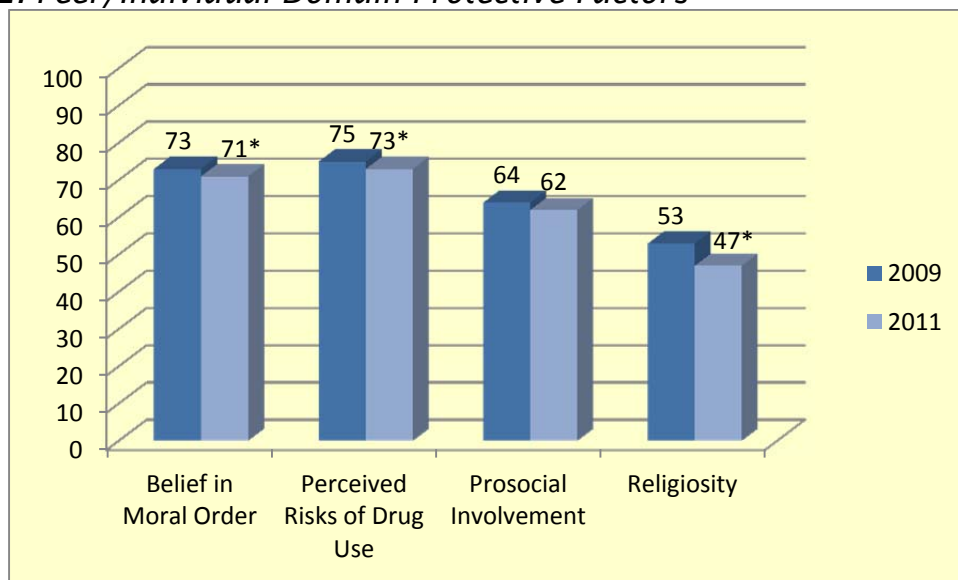


Figure 12. Peer/Individual Domain Protective Factors



*Change is significant at the 0.05 level

Intent to Use

In the Youth Survey, there were three questions that asked the students if, in the next two years, they planned on smoking cigarettes, drinking alcohol, or smoking marijuana. The students could choose one of the following responses:

- ⦿ “NO!” meaning definitely not true
- ⦿ “no” meaning mostly not true
- ⦿ “yes” meaning mostly true
- ⦿ “YES!” meaning definitely true

The table below shows that the majority of respondents indicated that it is definitely not true that they plan on smoking cigarettes, drinking alcohol, or smoking marijuana in the next two years, with smoking cigarettes receiving the highest “NO!” percentage in all grades. However, nearly half (45%) of the high school students continued in 2011 to indicate that they plan on drinking alcohol in the next 2 years, with 30% identifying this statement to be mostly true and 15% indicating definitely true.

Table 41. Intent to Use Alcohol in the Next Two Years (frequency)

	<u>NO!</u>		<u>no</u>		<u>yes</u>		<u>YES!</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	95	93	3	5	1	2	< 1	0
7th	87	86	8	11	4	1	< 1	2
8th	68	77	21	16	8	5	3	1
BMS	84	85	10	11	4	3	2	< 1
9th	57	51	18	21	19	23	5	5
10th	36	45*	20	21	36	23*	8	11
11th	33	31	18	18	30	38	19	14
12th	21	17	11	14	35	38	33	31
BHS	38	36	17	18	30	30	16	15

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 42. Intent to Use Marijuana in the Next Two Years (frequency)

	<u>NO!</u>		<u>no</u>		<u>yes</u>		<u>YES!</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	97	95	2	5	< 1	0	< 1	< 1
7th	97	94	3	4	0	< 1	< 1	2
8th	83	89	10	8	3	3	3	< 1
BMS	92	92	5	6	1	1	2	< 1
9th	73	61*	13	15	9	17*	5	7
10th	56	54	17	16	19	18	8	12
11th	52	46	13	21	20	19	15	14
12th	36	36	15	22	24	23	24	19
BHS	55	49	15	18	18	19	13	13

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 43. Intent to Use Cigarettes in the Next Two Years (frequency)

	<u>NO!</u>		<u>no</u>		<u>yes</u>		<u>YES!</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
6th	97	95	2	5	0	< 1	< 1	0
7th	96	95	4	4	0	< 1	0	< 1
8th	85	91*	10	8	3	1*	2	< 1
BMS	92	94	6	4	1	< 1	< 1	< 1
9th	79	83	15	12	4	3	2	2
10th	68	79*	19	15	11	5*	2	1
11th	65	71	15	15	16	8	3	6
12th	61	68	20	17	13	11	5	3
BHS	69	75*	18	15	11	7*	3	3

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 44 below shows the average score for each grade, and for each group, of whether or not students intend to use alcohol, marijuana, or cigarettes in the next two years. The scores are rated such that 1 indicates NO! and is the lowest possible score, while 4 indicates YES! and is the highest possible score.

Table 44. Average Score of Intent to Use Substances in the Next Two Years

	<u>Alcohol</u>		<u>MJ</u>		<u>Cigarettes</u>	
	2009	2011	2009	2011	2009	2011
6th	1.08	1.09	1.06	1.06	1.04	1.06
7th	1.18	1.18	1.05	1.10	1.04	1.06
8th	1.46	1.31	1.27	1.15	1.22	1.10*
BMS	1.24	1.19	1.12	1.10	1.10	1.08
9th	1.71	1.82	1.46	1.69*	1.29	1.23
10th	2.16	2.00*	1.79	1.88	1.46	1.29*
11th	2.36	2.36	1.97	2.01	1.57	1.50
12th	2.80	2.83	2.37	2.25	1.62	1.49
BHS	2.24	2.25	1.88	1.96	1.48	1.38*

*Change is significant at the 0.05 level

BMS = Barrington Middle School BHS = Barrington High School

The data presented in Table 44 related to student reports of intent to use was also analyzed by student cohorts, where the first cohort included students who were in sixth grade in 2009 and eighth grade in 2011, the second cohort included students who were in seventh grade in 2009 and ninth grade in 2011, and so on. While each cohort's average scores of intent to use increased across surveys, the lowest increase was found across substances for the cohort that was in sixth grade in 2009 and eighth grade in 2011. Notably, the highest increase for intent to use alcohol was for the students who were in tenth grade in 2009 and twelfth grade in 2011. For intent to use marijuana, the highest increase was seen in the group of students who were in seventh grade in 2009 and ninth grade in 2011. Lastly, the highest increase for intent to use cigarettes was seen in the group of students who were in ninth grade in 2009 and eleventh grade in 2011.

Additional BAY Team Analyses

At the end of the Youth Survey, there were additional questions pertaining to issues that the BAY Team specifically wanted to address, such as extracurricular activities, seat-belt safety, and alcohol-related behaviors. The following tables display the responses of the youth to these particular behavioral questions.

Figure 13. Do you participate in organized sports?

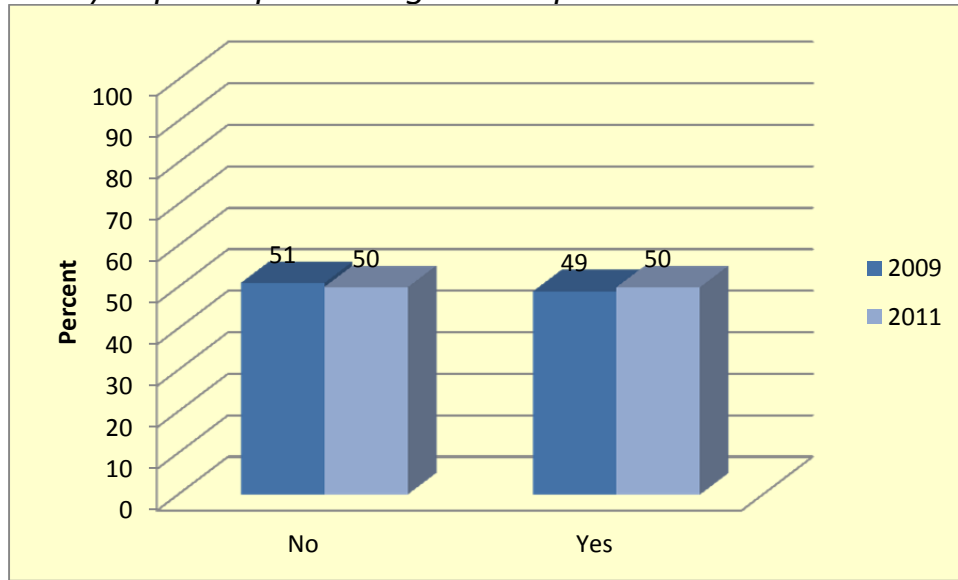


Table 45. How often do you wear a seatbelt?

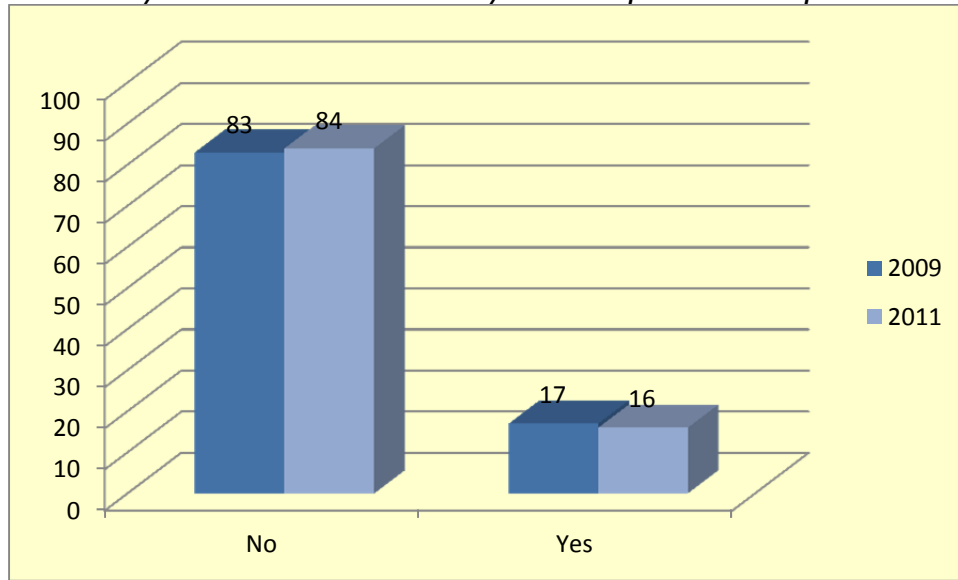
	Never		Rarely		Sometimes		Most of the time		Always	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
6th	< 1	2	< 1	< 1	2	2	15	14	82	81
7th	1	2	1	< 1	6	3	19	18	73	76
8th	< 1	2	3	1	6	2	25	17	65	76*
BMS	< 1	2	2	< 1	5	3	20	17	73	78
9th	2	4	1	5	7	4	27	30	63	57
10th	2	2	2	2	7	5	24	25	66	67
11th	4	2	< 1	< 1	1	4	12	16	83	78
12th	2	2	2	2	8	5	14	19	74	72
BHS	2	3	2	2	6	5	19	23	72	68

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

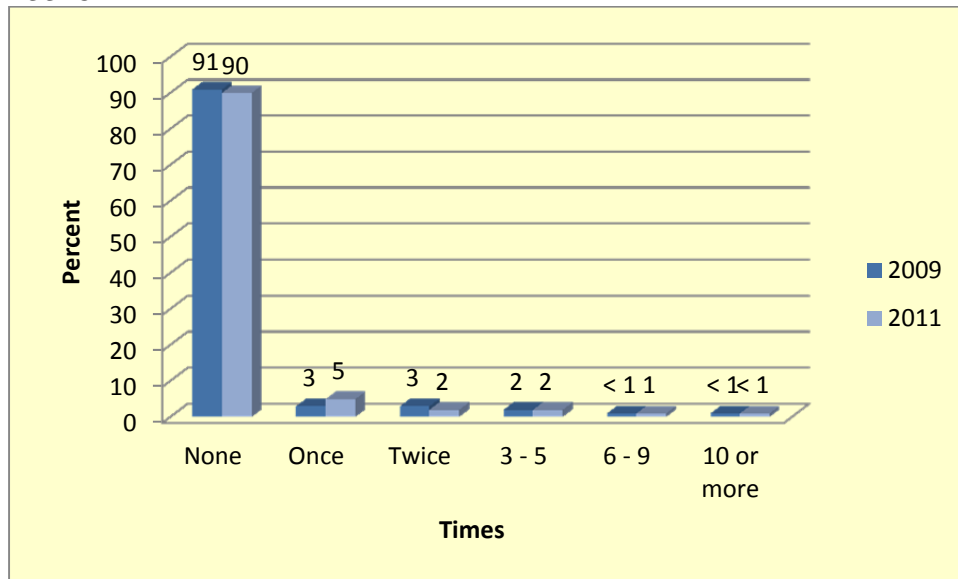
BMS = Barrington Middle School BHS = Barrington High School

Figure 14. Would you ever call the Anonymous Tip Line to report teen drinking?



Note - Numbers may not add up to 100% due to rounding.

Figure 15. How many times have you had five or more drinks in a row in the last two weeks?



Note - Numbers may not add up to 100% due to rounding.

Table 46. Where did you drink the last time you had an alcoholic beverage?

	2009 (%)	2011 (%)
I drank in a car or other vehicle	< 1	< 1
I drank at my home	10	11
I drank at someone else's home	16	17
I drank at a park, on a beach, or in a parking lot	1	2
I drank in a restaurant, bar, or club	3	2
I drank at a concert or a sports game	< 1	< 1
I drank at school	< 1	< 1
I drank at some other place	6	5
I have not had a drink ever	62	63
Total	100%	100%

Note - Numbers may not add up to 100% due to rounding.

Table 47. How did you obtain your last alcoholic drink?

	2009 (%)	2011 (%)
I bought it myself	2	< 1
A friend 21 years of age or over bought it for me	4	4
A friend under 21 years of age bought it for me	2	3
A family member 21 years of age or over bought it for me	6	5
A family member under 21 years of age bought it for me	< 1	< 1
I took it from home	4	5
I took it from someone else's home	2	2
It was available at the event or party where I drank	10	10
I got it some other way	7	7
I have never had a drink	63	63
Total	100%	100%

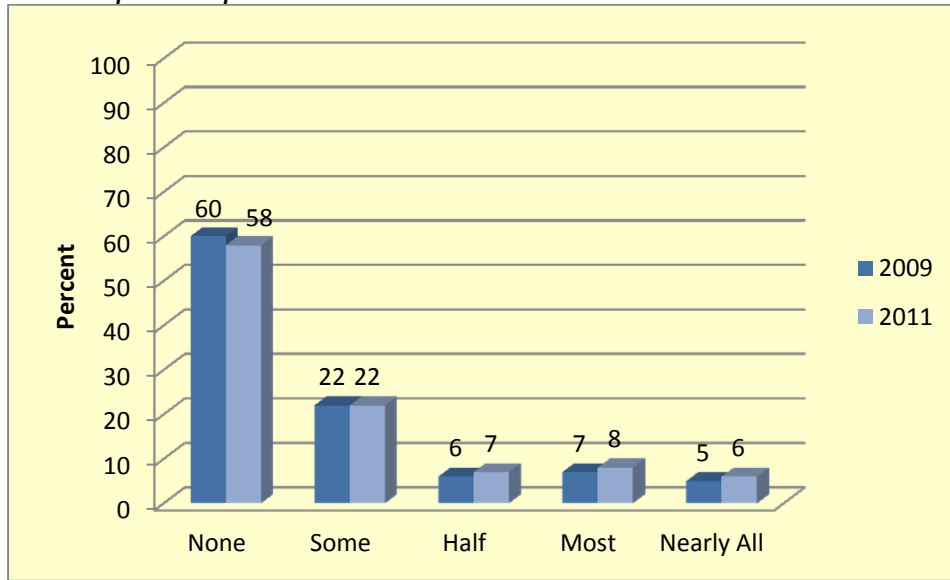
Note - Numbers may not add up to 100% due to rounding.

Table 48. Did you pay for your last alcoholic drink?

	2009 (%)	2011 (%)
I have never had a drink	59	60
No	36	34
Yes	5	6
Total	100%	100%

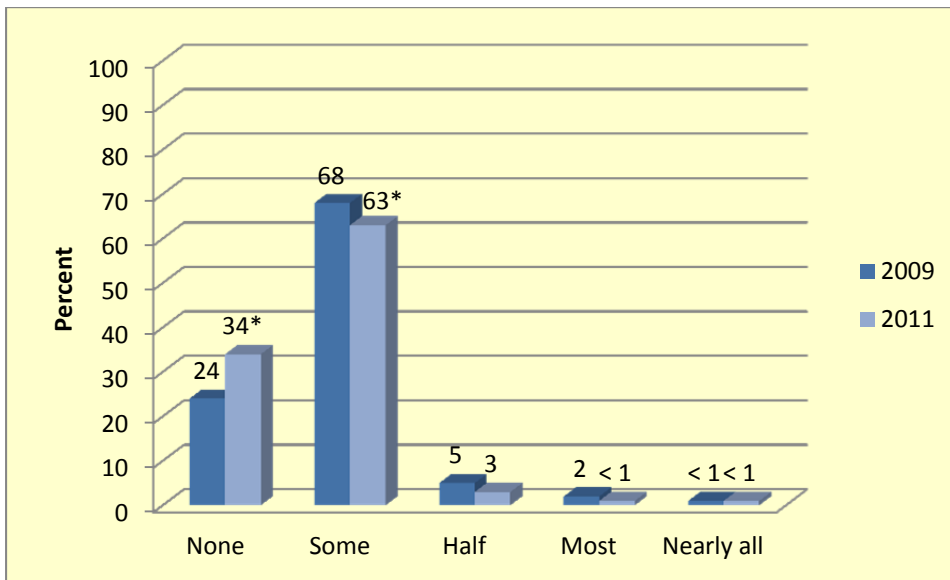
Note - Numbers may not add up to 100% due to rounding.

Figure 16. Perception of Friends' Alcohol Use



Note - Numbers may not add up to 100% due to rounding.

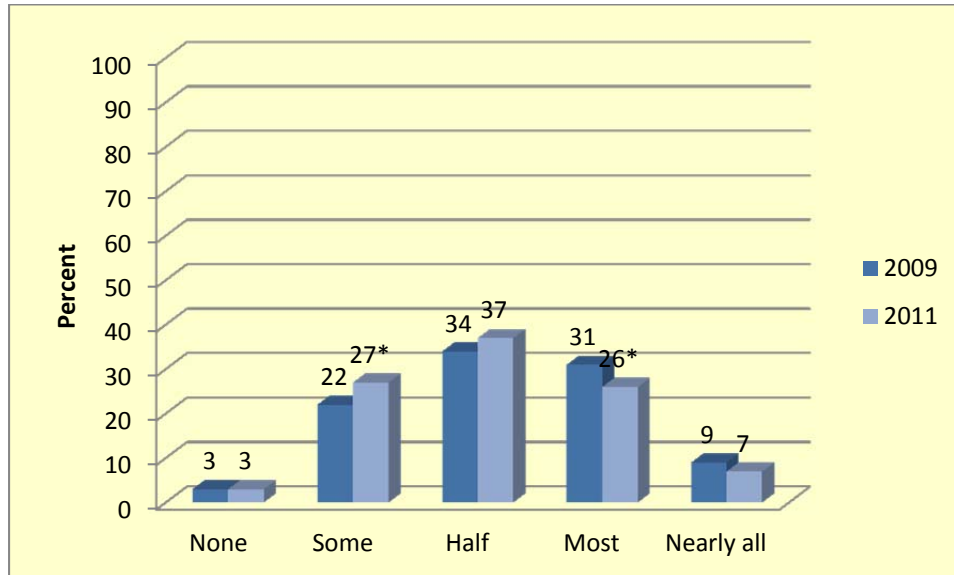
Figure 17. Perception of School Population's Alcohol Use for Barrington Middle School



*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

Figure 18. Perception of School Population’s Alcohol Use for Barrington High School



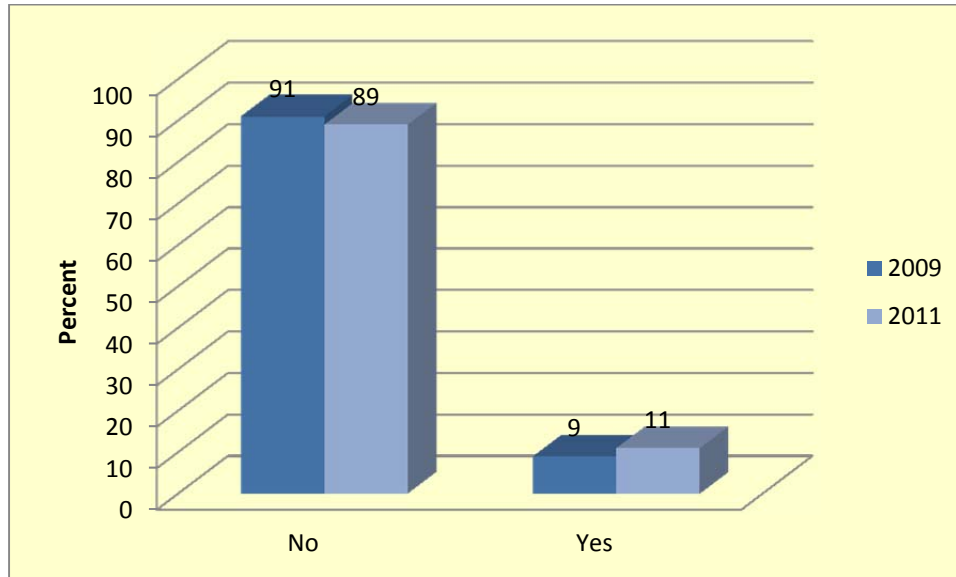
*Change is significant at the 0.05 level
 Note - Numbers may not add up to 100% due to rounding.

Table 49. Have you ever ridden in a car driven by someone that had been drinking alcohol?

	Yes		No		Not Sure	
	2009	2011	2009	2011	2009	2011
6th	76	77	5	6	19	17
7th	68	71	18	10*	14	19
8th	49	75*	30	11*	21	14
BMS	64	74*	18	9*	18	17
9th	61	60	23	20	16	20
10th	59	62	23	23	18	15
11th	66	66	24	21	10	13
12th	59	68*	34	23*	7	9
BHS	61	63	26	22	14	14

*Change is significant at the 0.05 level
 Note - Numbers may not add up to 100% due to rounding.
 BMS = Barrington Middle School BHS = Barrington High School

Figure 19. In the past six months, have you been served alcohol by a parent, either yours or another's?



Note - Numbers may not add up to 100% due to rounding.

Table 50. On a week night, your mother tells you to stay home as you are about to go hang out with friends. What do you do?

	2009 (%)	2011 (%)
Leave the house anyway	5	6
Explain what you are going to do with your friends, tell her when you will get home, and ask her if you can go out.	78	77
Not say anything and start watching TV	8	9
Get into an argument with her	9	8
Total	100%	100%

Note - Numbers may not add up to 100% due to rounding.

Table 51. At a party, a friend offers you an alcoholic drink. What would you do?

	2009 (%)	2011 (%)
Drink it	22	23
Tell your friends, 'No thanks, I don't drink' and suggest that you and your friend go and do something else.	32	30
Just say, 'No thanks' and walk away	35	31*
Make up a good excuse, tell your friend you had something else to do and leave.	11	16*
Total	100%	100%

*Change is significant at the 0.05 level

Note - Numbers may not add up to 100% due to rounding.

Table 52. Past 30 Day Alcohol Use by Grades Received

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
Mostly F's	43	30	21	10	7	20	7	20	7	0	0	10	14	10
Mostly D's	52	46	14	0	10	23	0	15	10	0	0	0	14	15
Mostly C's	60	56	17	20	8	7	5	6	4	3	3	2	4	6
Mostly B's	75	74	14	17	5	5	3	2	1	1	<1	0	1	<1
Mostly A's	89	87	6	9	3	2	<1	<1	<1	<1	0	<1	<1	<1

Note - Numbers may not add up to 100% due to rounding.

Table 53. Past 30 Day Alcohol Use by Religiosity

	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
Never	75	76	11	15	6	5	3	1	2	<1	<1	<1	2	2
Rarely	79	78	10	13	6	4	2	2	<1	1	<1	<1	2	<1
Once or twice a month	84	83	9	9	4	4	<1	<1	1	<1	<1	<1	<1	<1
Once a week or more	85	83	9	11	2	3	2	2	<1	1	<1	<1	<1	<1

Note - Numbers may not add up to 100% due to rounding.

Table 54. Past 30 Day Alcohol Use by Sports Team Involvement

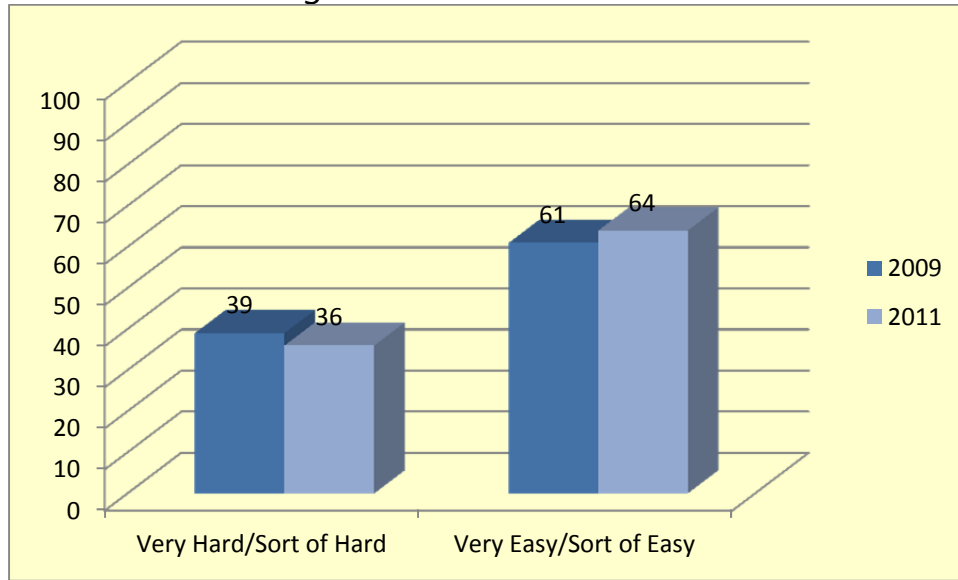
	<u>0 times</u>		<u>1-2 times</u>		<u>3-5 times</u>		<u>6-9 times</u>		<u>10-19 times</u>		<u>20-39 times</u>		<u>40+ times</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
No	84	78	9	14	4	5	2	2	1	<1	<1	<1	1	<1
Yes	77	80	12	11	5	4	2	2	2	2	<1	<1	1	<1

Note - Numbers may not add up to 100% due to rounding.

The youth were asked how difficult it is to get alcohol, and from whom they obtained alcohol the last time they drank.

Figure 20 and Table 55 below represents responses from only the youth who did **not** respond by saying they have never had a drink.

Figure 20. How hard is it to get alcohol?



Note - Numbers may not add up to 100% due to rounding.

Table 55. Ease of Accessing Alcohol vs. How Last Alcoholic Drink was Obtained

	Hard		Easy	
	2009	2011	2009	2011
Got it myself	5	< 1	4	2
21+ Friend	8	10	11	13
Friend Under 21	4	5	8	8
21+ Family	19	16	13	12
Family Under 21	2	< 1	2	1
Took it from my home	11	9	12	14
Took it from someone else's home	6	7	7	6
At Event or Party	26	24	25	27
Other	19	26	18	16
Total	100%	100%	100%	100%

Note - Numbers may not add up to 100% due to rounding.

Table 56. Past 30 Day Alcohol Use by Perception of Alcohol Used by Friends

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
None	98	97	2	2	< 1	< 1	< 1	< 1	0	0	< 1	0	0	0
Some	73	73	20	21	4	4	< 1	1	2	< 1	0	< 1	2	0
Half	54	52	33	33	7	8	3	2	0	5	0	0	2	0
Most	25	32	30	34	29	19	9	8	4	4	0	2	2	2
Nearly All	17	18	16	31	21	21	16	7	13	6	6	2	12	14

Note - Numbers may not add up to 100% due to rounding.

Table 57. Barrington Middle School Past 30 Day Alcohol Use by Perception of Alcohol Used by School Population

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
None	99	100	0	0	0	0	0	0	< 1	0	0	0	0	0
Some	96	97	3	3	< 1	< 1	0	0	0	0	0	0	0	0
Half	70	85	27	8	3	0	0	8	0	0	0	0	0	0
Most	82	0	9	100	0	0	9	0	0	0	0	0	0	0
Nearly All	50	100	25	0	0	0	0	0	0	0	25	0	0	0

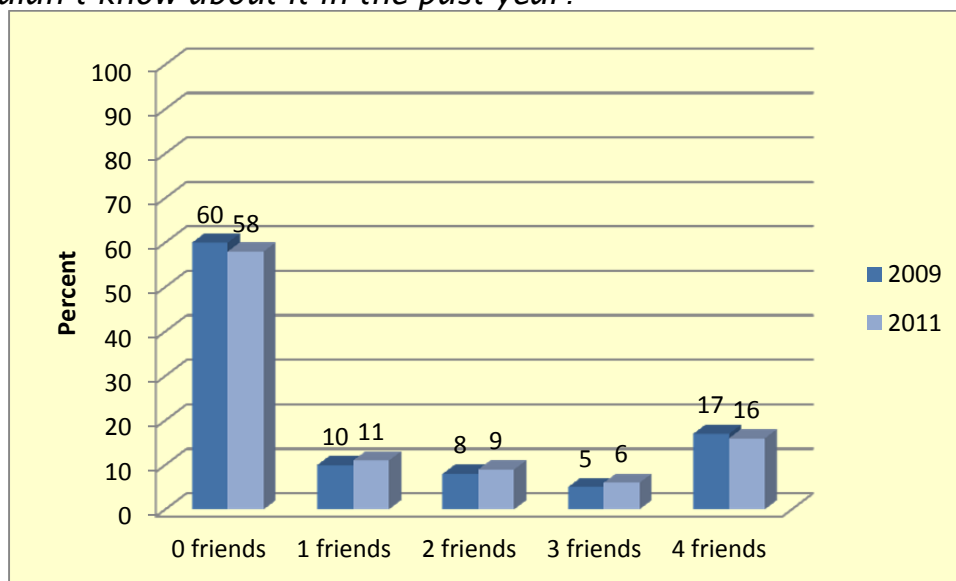
Note - Numbers may not add up to 100% due to rounding.

Table 58. Barrington High School Past 30 Day Alcohol Use by Perception of Alcohol Used by School Population

	0 times		1-2 times		3-5 times		6-9 times		10-19 times		20-39 times		40+ times	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
None	79	84	10	13	7	0	0	3	0	0	3	0	0	0
Some	87	87	6	10	4	2	1	< 1	< 1	0	0	0	1	0
Half	75	70	15	21	4	6	2	2	2	1	< 1	0	< 1	< 1
Most	58	53	19	21	13	14	3	5	2	3	< 1	< 1	3	3
Nearly All	42	40	22	32	9	3	12	3	5	8	1	7	9	7

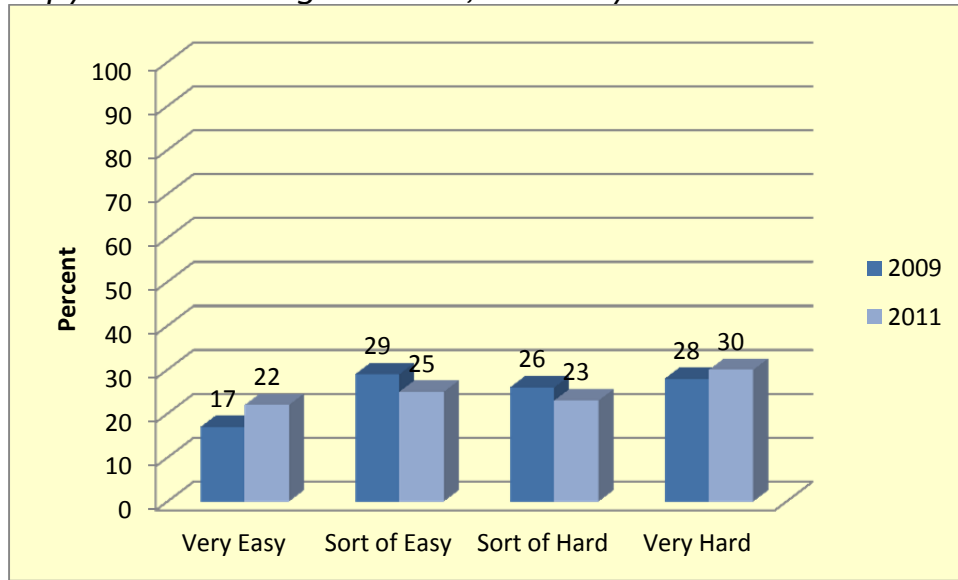
Note - Numbers may not add up to 100% due to rounding.

Figure 21. How many of your four best friends have tried alcohol when their parents didn't know about it in the past year?



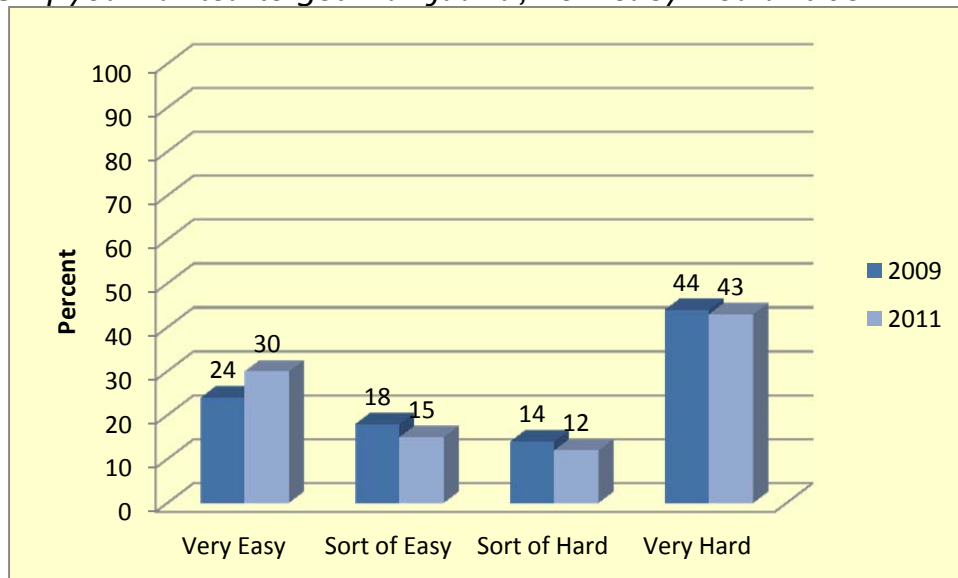
Note - Numbers may not add up to 100% due to rounding.

Figure 22. If you wanted to get alcohol, how easy would it be?



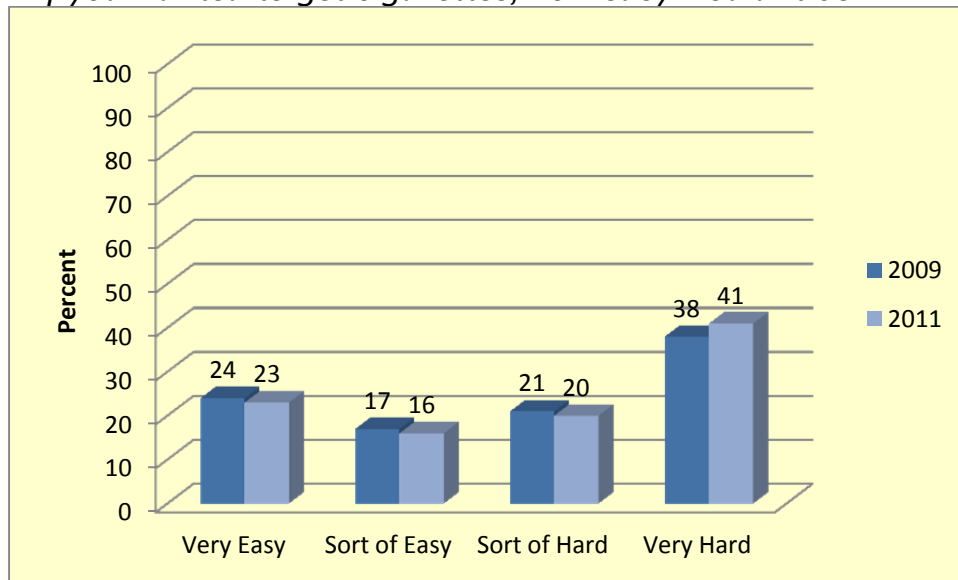
Note - Numbers may not add up to 100% due to rounding.

Figure 23. If you wanted to get marijuana, how easy would it be?



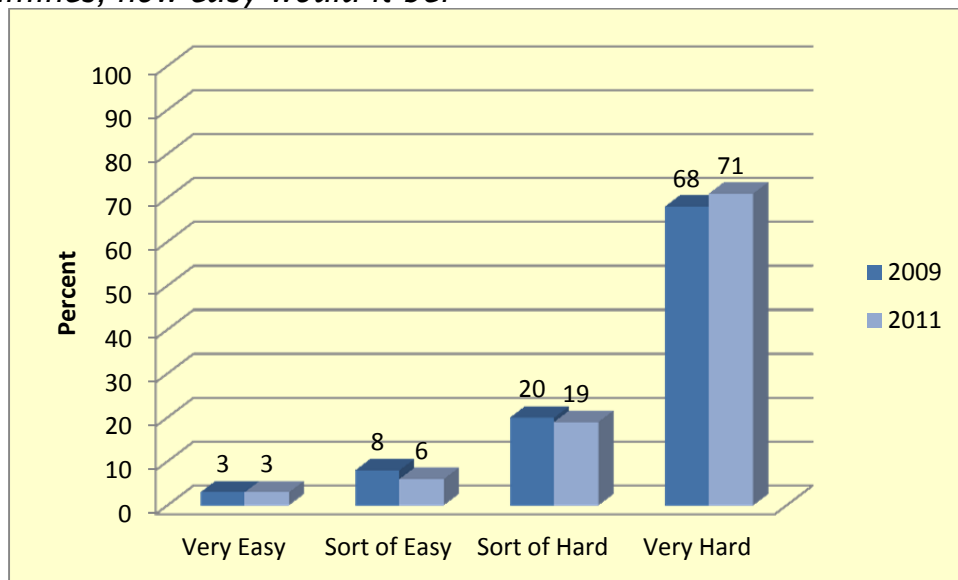
Note - Numbers may not add up to 100% due to rounding.

Figure 24. If you wanted to get cigarettes, how easy would it be?



Note - Numbers may not add up to 100% due to rounding.

Figure 25. If you wanted to get other drugs, such as cocaine, LSD, or amphetamines, how easy would it be?



Note - Numbers may not add up to 100% due to rounding.

Table 59. How many adults do you know who have gotten drunk or high? (in percent)

	<u>0 Adults</u>		<u>1 Adult</u>		<u>2 Adults</u>		<u>3-4 Adults</u>		<u>5+ Adults</u>	
	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011
BMS	60	64	19	20	8	7	5	5	8	4
BHS	38	34	15	17	12	13	12	11	23	25

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School

BHS = Barrington High School

Table 60. Has anyone in your family ever had a severe alcohol or drug problem?

	<u>No</u>		<u>Yes</u>	
	2009	2011	2009	2011
BMS	81	84	19	16
BHS	71	71	29	29

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 61. Barrington Middle School Past 30 Day Alcohol Use by Perception of Parental Disapproval

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
0 Times	94	94	4	4	< 1	1	< 1	< 1
1-2 Times	69	54	19	31	12	15	0	0
3-5 Times	50	0	50	50	0	50	0	0
6-9 Times	100	0	0	0	0	0	0	100
10-19 Times	100	N/A ¹	0	N/A ¹	0	N/A ¹	0	N/A ¹
20-39 Times	100	N/A ¹	0	N/A ¹	0	N/A ¹	0	N/A ¹
40+ Times	N/A ¹	0	N/A ¹	100	N/A ¹	0	N/A ¹	0

¹ There were no students who answered with this response for past 30 day alcohol use for this survey year.

Note - Numbers may not add up to 100% due to rounding.

Table 62. Barrington High School Past 30 Day Alcohol Use by Perception of Parental Disapproval

	<u>Very Wrong</u>		<u>Wrong</u>		<u>A Little Bit Wrong</u>		<u>Not Wrong at All</u>	
	2009	2011	2009	2011	2009	2011	2009	2011
0 Times	84	82	13	15	1	2	1	< 1
1-2 Times	53	54	30	33	14	12	2	2
3-5 Times	55	52	31	31	11	16	3	2
6-9 Times	21	42	48	38	21	21	10	0
10-19 Times	36	31	26	38	16	25	21	6
20-39 Times	40	20	0	0	60	60	0	20
40+ Times	56	29	22	21	17	14	6	35

Note - Numbers may not add up to 100% due to rounding.

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Table 63. Past 30 Day Use of Prescription Pain Medication by Grade and by School (in percent)

	<u>0 times</u>	<u>1-2 times</u>	<u>3-5 times</u>	<u>6-9 times</u>	<u>10-19 times</u>	<u>20-39 times</u>	<u>40+ times</u>
6th	99	< 1	< 1	0	0	0	0
7th	98	2	0	0	< 1	0	0
8th	97	< 1	< 1	0	< 1	0	< 1
BMS	98	1	< 1	0	< 1	0	< 1
9th	95	2	< 1	< 1	< 1	< 1	< 1
10th	93	3	1	< 1	2	0	< 1
11th	90	6	< 1	< 1	0	0	2
12th	96	2	< 1	< 1	0	0	< 1
BHS	93	3	< 1	< 1	< 1	< 1	1

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 64. Past 30 Day Use of Prescription Stimulant/ADHD Medication by Grade and by School (in percent)

	<u>0 times</u>	<u>1-2 times</u>	<u>3-5 times</u>	<u>6-9 times</u>	<u>10-19 times</u>	<u>20-39 times</u>	<u>40+ times</u>
6th	99	< 1	0	0	0	0	< 1
7th	99	< 1	0	0	0	< 1	0
8th	98	< 1	< 1	0	0	0	< 1
BMS	99	< 1	< 1	0	0	0	< 1
9th	94	2	< 1	< 1	0	1	2
10th	95	3	< 1	0	< 1	0	1
11th	89	6	< 1	< 1	< 1	0	2
12th	93	4	< 1	0	< 1	1	< 1
BHS	93	4	< 1	< 1	< 1	< 1	2

Note - Numbers may not add up to 100% due to rounding.
 BMS = Barrington Middle School BHS = Barrington High School

Table 65. Perception of Parent Disapproval of Using Prescription Pain Medication by Grade and by School (in percent)

	<u>Very Wrong</u>	<u>Wrong</u>	<u>A Little Bit Wrong</u>	<u>Not Wrong at All</u>
6th	81	15	2	2
7th	81	13	5	< 1
8th	77	19	2	2
BMS	80	16	3	2
9th	72	18	6	3
10th	74	19	5	2
11th	72	22	4	3
12th	79	15	4	2
BHS	74	19	5	3

Note - Numbers may not add up to 100% due to rounding.
 BMS = Barrington Middle School BHS = Barrington High School

Table 66. Perception of Parent Disapproval of Using Prescription Pain Medication by Gender (in percent)

	<u>Very Wrong</u>	<u>Wrong</u>	<u>A Little Bit Wrong</u>	<u>Not Wrong at All</u>
Male	78	15	4	3
Female	75	20	4	1

Note - Numbers may not add up to 100% due to rounding.

Table 67. What is the most likely reason you or other students use prescription pain medication without a doctor's orders?

	<u>2011 (%)</u>
Get high	27
Reduce stress	13
Get work done	2
Fit in	7
Relieve boredom	5
Don't know	45

Note - Numbers may not add up to 100% due to rounding.

Table 68. What is the most likely reason you or other students use prescription stimulant/ADHD medication without a doctor's orders?

	<u>2011 (%)</u>
Get high	19
Reduce stress	9
Get work done	19
Fit in	6
Relieve boredom	5
Don't know	44

Note - Numbers may not add up to 100% due to rounding.

Table 69. Perception of Risk of Harm of Using Prescription Pain Medication by Grade and by School (in percent)

	<u>No Risk</u>	<u>Slight Risk</u>	<u>Moderate Risk</u>	<u>Great Risk</u>
6th	9	14	29	48
7th	8	6	26	60
8th	6	9	28	57
BMS	8	10	28	55
9th	3	10	29	58
10th	4	12	31	52
11th	4	13	32	50
12th	3	13	24	59
BHS	4	12	29	55

Note - Numbers may not add up to 100% due to rounding.

BMS = Barrington Middle School BHS = Barrington High School

Table 70. Perception of Risk of Harm of Using Prescription Pain Medication by Gender (in percent)

	<u>No Risk</u>	<u>Slight Risk</u>	<u>Moderate Risk</u>	<u>Great Risk</u>
Male	7	12	30	51
Female	3	10	27	59

Note - Numbers may not add up to 100% due to rounding.

Table 71. Perception of Risk of Harm of Using Prescription Stimulant/ADHD Medication by Grade and by School (in percent)

	<u>No Risk</u>	<u>Slight Risk</u>	<u>Moderate Risk</u>	<u>Great Risk</u>
6th	11	15	29	45
7th	8	6	22	64
8th	6	9	27	58
BMS	8	10	26	56
9th	5	14	27	53
10th	4	21	29	46
11th	11	23	34	32
12th	7	31	26	36
BHS	7	22	29	42

Note - Numbers may not add up to 100% due to rounding.

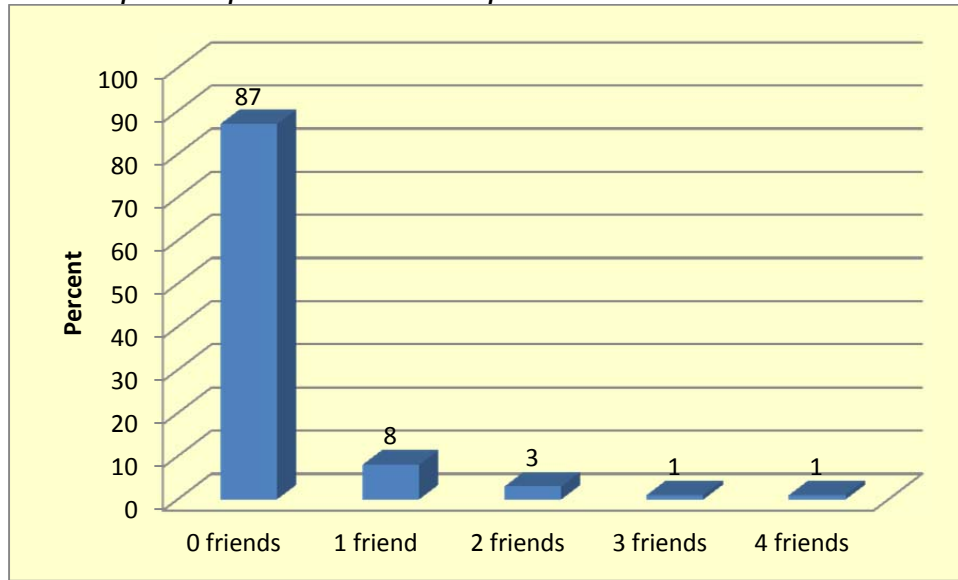
BMS = Barrington Middle School BHS = Barrington High School

Table 72. Perception of Risk of Harm of Using Prescription Stimulant/ADHD Medication by Gender (in percent)

	<u>No Risk</u>	<u>Slight Risk</u>	<u>Moderate Risk</u>	<u>Great Risk</u>
Male	9	19	29	43
Female	5	16	26	52

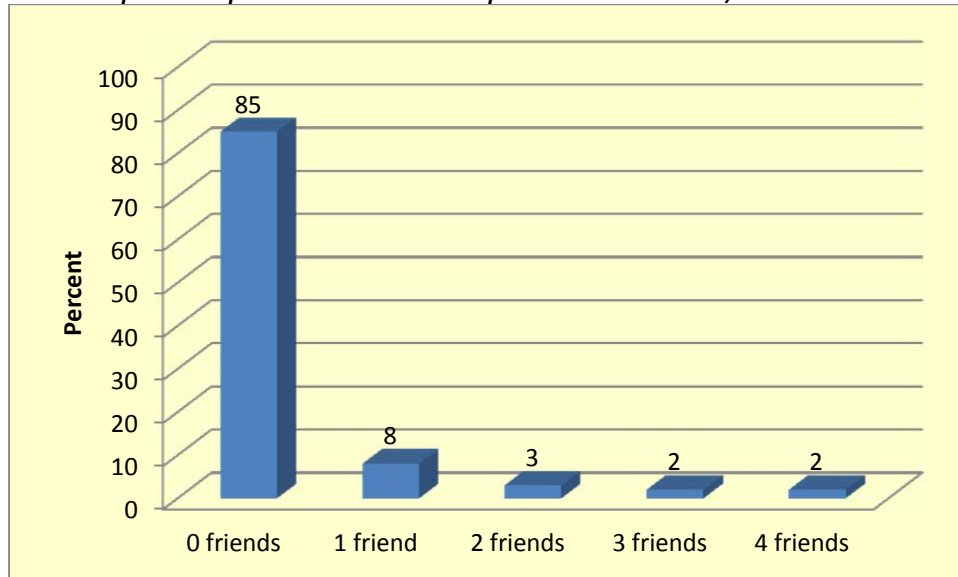
Note - Numbers may not add up to 100% due to rounding.

Figure 26. Perception of Friends' Prescription Pain Medication Use



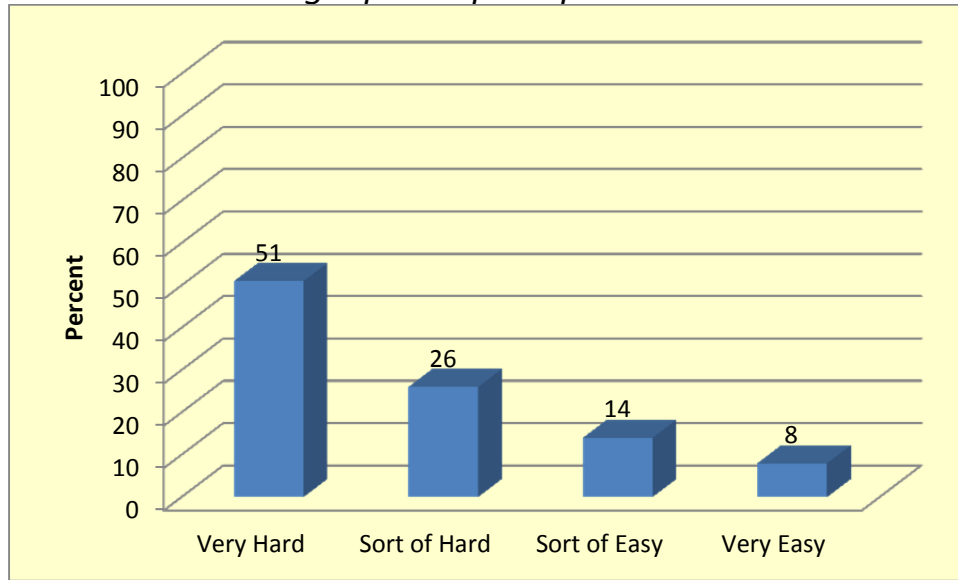
Note - Numbers may not add up to 100% due to rounding.

Figure 27. Perception of Friends' Prescription Stimulant/ADHD Medication Use



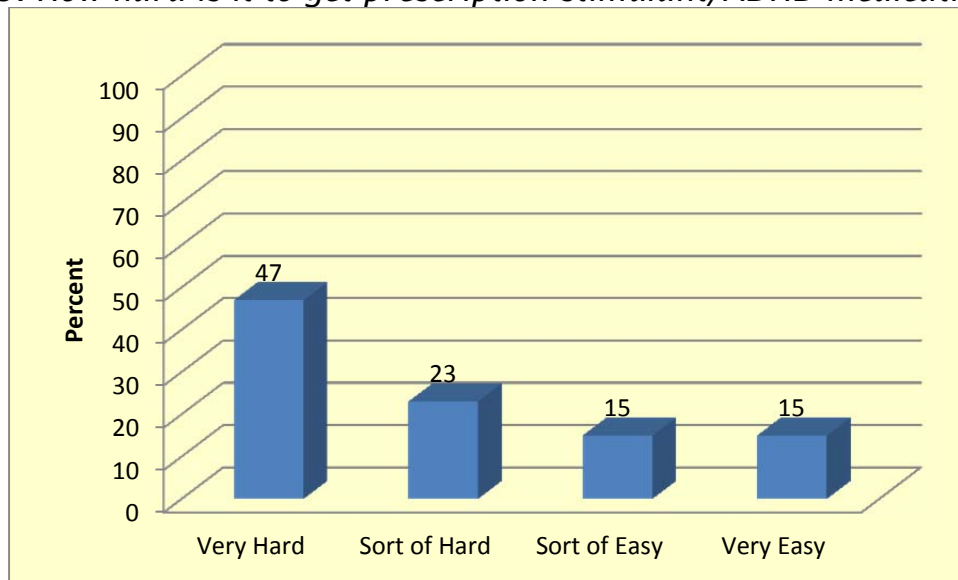
Note - Numbers may not add up to 100% due to rounding.

Figure 28. How hard is it to get prescription pain medication?



Note - Numbers may not add up to 100% due to rounding.

Figure 29. How hard is it to get prescription stimulant/ADHD medication?



Note - Numbers may not add up to 100% due to rounding.

Table 73. How did you get the last prescription pain medication that you took without a doctor's orders?

	<u>2011 (%)</u>
Family has Rx and parents gave permission	3
Family has Rx and took without permission	2
Friend has Rx and gave it to me	2
Friend got it from their family and gave to me	< 1
Friend got it from someone else and gave to me	< 1
I bought it from drug dealer	< 1
I bought it from internet	< 1
I got it some other way	1
I have never taken Rx without a doctor's orders	90

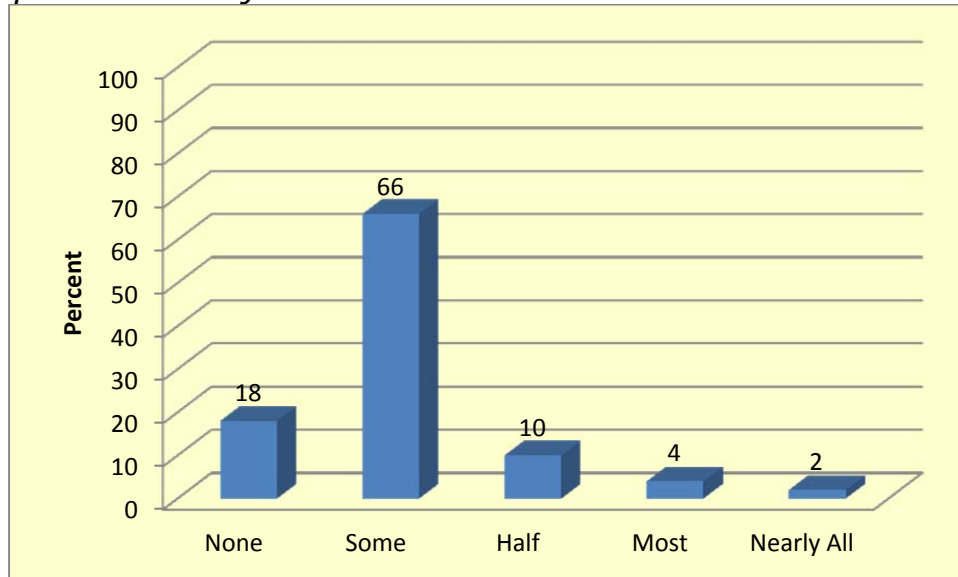
Note - Numbers may not add up to 100% due to rounding.

Table 74. How did you get the last prescription stimulant/ADHD medication that you took without a doctor's orders?

	<u>2011 (%)</u>
Family has Rx and parents gave permission	2
Family has Rx and took without permission	1
Friend has Rx and gave it to me	3
Friend got it from their family and gave to me	< 1
Friend got it from someone else and gave to me	< 1
I bought it from drug dealer	< 1
I bought it from internet	< 1
I got it some other way	1
I have never taken Rx without a doctor's orders	91

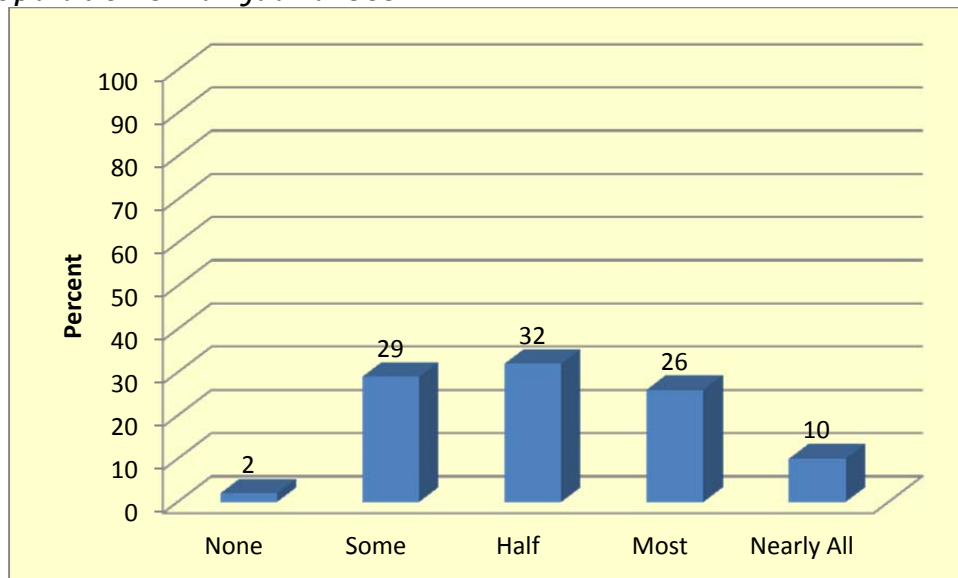
Note - Numbers may not add up to 100% due to rounding.

Figure 30. Barrington Middle School Students' Perception of Barrington High School Population's Marijuana Use



Note - Numbers may not add up to 100% due to rounding.

Figure 31. Barrington High School Students' Perception of Barrington High School Population's Marijuana Use



Note - Numbers may not add up to 100% due to rounding.

SUMMARY OF KEY FINDINGS

The sections below highlight and summarize key significant findings reported above in the areas of substance use, perceived risk of harm, perceptions of use, intent to use, and the 2011 supplemental questionnaire.

Substance Use

In 2011, alcohol continued to be the most commonly used substance, with 3% in the middle school and 32% in the high school reporting drinking in the past 30 days. Use of alcohol was followed by marijuana, with 1% in the middle school and 24% in the high school reporting 30 day use. These two substances were also the most common for lifetime use in the 2011 survey. Eleven percent of middle school students and 57% of high school students have ever used alcohol. Two percent of middle school students and 37% of high school students have ever used marijuana.

Table 75 below displays statistically significant results when comparing the incidence of substance use per grade and school as reported by students in 2009 versus 2011. The table is organized by substance and level of use (past 30 day and lifetime use).

Table 75. Summary of Statistically Significant Changes from 2009 to 2011 in Incidence of Substance Use

<u>Substance</u>	<u>Lower Incidence of Past 30 Day Use</u>	<u>Lower Incidence of Lifetime Use</u>
Alcohol	8th Grade	8th Grade, BMS
Cigarettes	10th Grade	8th Grade, 10th Grade
Prescription Drugs	BMS, 12th Grade, BHS	6th Grade, 7th Grade, BMS, 12th Grade, BHS
Inhalants	12th Grade	12th Grade
Smokeless Tobacco	12th Grade	None
<u>Substance</u>	<u>Higher Incidence of Past 30 Day Use</u>	<u>Higher Incidence of Lifetime Use</u>
Marijuana	9th Grade	9th Grade
Ecstasy	None	12th Grade, BHS

Note – Results displayed are significant at the .05 level.

BMS = Barrington Middle School BHS = Barrington High School

Since 2009, relatively fewer Barrington Middle School Students have ever used alcohol. Specifically, the proportion of BMS students who have ever tried alcohol decreased from 17% in 2009 to 11% in 2011. The most substantial decrease occurred when comparing eighth graders across surveys, where the percentage of these students who have tried alcohol decreased substantially from 32% to 15%. Addressing a primary goal of the BAY Team, these findings suggest that a relatively larger proportion of younger students in Barrington are refraining from drinking in 2011 than they did in 2009.

Notably, the incidence of alcohol use at Barrington High School has not changed significantly from the previous survey.

In addition to the alcohol use findings, relatively fewer Barrington Middle School or High School Students have used prescription drugs in the past 30 days or ever. The proportion that has ever used this type of substance fell across surveys from 9% to 5% in the middle school and from 19% to 16% in the high school.

In contrast to the findings above, statistically significant increases were found in the proportion of ninth grade students who have used marijuana in the past 30 days or ever. The percentage of ninth graders who have used marijuana in the past 30 days increased from 9% to 12%, while the percentage that has ever used this substance increased substantially from 12% to 23%. These findings may represent a current trend in substance of choice among this age group.

In addition to trends in greater incidence of marijuana use, statistically significant increases were also found in the proportion of twelfth graders and Barrington High School students overall who have ever used ecstasy. For twelfth grade, the percentage that has ever used ecstasy increased from 4% in 2009 to 9% in 2011 and for the high school these figures changed from 3% to 6%. While the overall proportion of students that has used this substance is relatively small, the increase since 2009 may provide evidence for a growing interest in ecstasy at the high school.

Perception of Risk

For students' perception of the extent of risk of harm in using a variety of substances, the most consistent statistically significant changes from the 2009 survey were related to marijuana use. Lower proportions of students perceived great risk of harm in regularly using marijuana in sixth grade, at the Barrington Middle School overall, in ninth grade, in eleventh grade, and at the Barrington High School overall. In addition, lower proportions of students perceived great risk of harm in using marijuana once or twice in the ninth grade and at the Barrington High School overall. The proportion of students who perceived great risk of harm in regular marijuana use decreased from 85-82% in the middle school and from 47-38% in the high school.

Perceptions of risk of harm for sixth graders and at Barrington Middle School overall decreased across surveys for cigarette use. In the sixth grade, the proportion of students who reported no risk or only slight risk from smoking rose from 3% in 2009 to 11% in 2011. This figure rose from 5% to 8% at the middle school overall.

One statistically significant change in the risk of harm questions was found related to alcohol. The proportion of twelfth grade students that reported that there was no or slight risk of harm in using alcohol regularly decreased from 30% in 2009 to 21% in 2011.

Perceptions of Use

In 2011, more than half (58%) of students believe that none of their friends drink alcohol, while 34% of the middle school students and only 3% of high school students believe that nobody across the whole school drinks. When comparing these reports to the 2009 survey, a higher proportion of Barrington Middle School Students in 2011 believed that none of their schoolmates use alcohol. As in 2009, relatively few students in either school report drinking; 97% of middle school students and 68% of high school students reported not drinking alcohol in the past 30 days. While the BAY Team has worked to initiate a significant social norms media campaign and intervention strategy, continued focus in this area is necessary to alter student perceptions and knowledge about the prevalence of substance use among students at their school.

A question was added to the 2011 supplemental questionnaire related to perception of marijuana use at Barrington High School. Notably, 16% of middle school students and 68% of high school students believe that at least half of the students at the high school smoke marijuana. While there have been notable increases in use for ninth graders since 2009 that are outlined above, the percent of high school students overall who report using marijuana in the past 30 days was 24% in 2011, which is unchanged from the previous survey. The disconnect in use and perception of use, coupled with the declining perceptions of risk of harm across surveys, highlights a potential target area for the BAY Team's social norms campaign and prevention education programming at the high school.

Intent to Use

For students' intent to use any substance in the next two years, alcohol continued to rank the highest among substances in the high school, with 45% of students reporting that they intend to drink in the next two years. This number did not change significantly from the previous youth survey.

While the overall proportion of high school students who intended to drink in the next two years did not differ significantly across surveys, there was statistically significant improvement in this response at the tenth grade level. The percentage of tenth grade students who reported that they intend to use alcohol in the next two years fell substantially from 44% in 2009 to 34% in 2011.

The most consistent statistically significant changes across surveys in the intent to use questions were related to cigarettes. Significantly lower proportions of students intended to use cigarettes in the next two years in eighth grade, in

tenth grade, and at the Barrington High School overall. In the eighth grade alone, this figure rose from 94% in 2009 to 99% in 2011.

Another statistically significant difference in reports was found for marijuana use. That is, a higher proportion of ninth grade students in 2011 intend to use marijuana in the next two years. For this grade level, the percentage that intends to use marijuana rose from 14% in 2009 to 24% in 2011. This finding is consistent with the substance use and risk of harm findings above for ninth grade students suggesting a rise in use and acceptance of marijuana for this grade level.

2011 Supplemental Questions

The 2011 Supplemental Questions assessed for more information related to prescription medication use and access than had previously been asked in the 2009 survey. Results for these items show that:

- ⦿ Less than 1% of middle school students and 7% of high school students report 30 day use of either prescription pain medication or stimulant/ADHD medication.
- ⦿ The majority of students at both schools perceive a moderate or great risk of harm in using prescription pain medication (83% at BMS and 84% at BHS) and prescription stimulant/ADHD medication (82% at BMS and 72% at BHS).
- ⦿ 22% of students think it is sort of or very easy to get prescription pain medication and 30% of students think it is sort of or very easy to get stimulant/ADHD medication.
- ⦿ Of the small proportion of students who have used prescription pain medication, most report that the prescription was written for a family member and parents gave permission.
- ⦿ Of the small proportion of students who have used stimulant/ADHD medication, most report that the prescription was written for a friend who gave it to them.

CONCLUSIONS AND RECOMMENDATIONS

The findings from the 2011 BAY Team Youth Survey demonstrate a number of successes since 2009 related to youth attitudes around and incidence of substance use, particularly for middle school students. The younger age group in Barrington reported a lower incidence of alcohol use and prescription drug use, more accurate perceptions of the prevalence of drinking at their school, and extremely low rates of intention to use substances in the next two years. These distinct changes in the attitudes, decisions, and even behaviors of the younger age group suggest that Barrington Middle School students are particularly responsive to substance use prevention efforts. At the time of the next round of youth surveys in 2013, the entire high school will have been

exposed to BAY Team programs and messaging since middle school. Results of the three surveys through 2013 will allow the coalition to more rigorously identify the long-term impact of its work to change attitudes and substance use behavior in Barrington.

At the high school level, positive findings were found in the decrease of prescription drug use for the entire school. Other findings that support the objectives of the BAY Team at the high school level were isolated within age group. These include a decrease in intent to drink for tenth grade students and changes in perceptions of risk of harm of drinking among twelfth graders. Notably, the percentage of tenth graders who report that they would drink in the next two years decreased by 10 points from 44% to 34%. This finding is particularly striking given the fact that this cohort was in middle school during the administration of the first survey, where the most consistent positive change has been found. The positive shift in tenth graders' intent to drink may show that these students are retaining the information and decision-making strategies that they have been exposed to since before high school. Further prevention efforts may be warranted with this cohort to support the maintenance of their decisions about drinking, especially as they age into senior year where the incidence of alcohol use is relatively high.

Another striking result was that the proportion of twelfth grade students who believed that there is no risk or only slight risk of harm in regularly using alcohol decreased at a statistically significant rate across survey years. Although the twelfth grade was found to have the highest incidence of drinking and intent to drink in the next two years, this finding suggests that seniors in 2011 are more equipped than the seniors two years ago to understand the risk of harm related to drinking regularly and to make more informed decisions about their behavior in post-graduation life.

Overall, a few key findings point to areas of potential concern for the BAY Team to assess and to plan future efforts around. Most notably, ninth grade students reported a higher incidence of use and lower ratings for risk of harm in trying or regularly smoking marijuana. Use of ecstasy also appears to be on the rise in the high school overall and for twelfth graders in particular. Future efforts to prevent use and to increase students' knowledge in risk of harm and social norms around these particular substances are recommended.

Also of concern when comparing results from the 2009 youth survey to the 2011 survey, perceptions of risk of harm for cigarette use has decreased significantly at the middle school. While students are not smoking more than in 2009 and 98% of the younger students do not intend to use cigarettes in the next two years, this finding may indicate a trend in decreasing knowledge of the risks of smoking among younger students.

The proportion of students at the middle school and the twelfth grade level who have ridden in a car driven by someone that has been drinking has increased to an alarming degree in the past two years. In the eighth grade alone, this rate has increased from 49% to 74% across surveys. As it is unclear whether students are referring to parents or peers when answering this question, discussion of this topic area as a coalition, with parents, and with students is necessary to disentangle the meaning of these findings and to identify strategies to address this important issue as a community. If students are generally referring to their parents when answering this question, focused efforts are needed to raise awareness among adults in the community of the dangers of driving after drinking and of the influence this behavior may have on youth in the community.

Despite the fact that there were a number of notable positive findings, it is also important to emphasize that several factors that are measured by the youth survey have not changed significantly for better or for worse since 2009. These include parental disapproval, intended use of the anonymous tip line, youth access to alcohol, and reports of binge drinking. While it is recommended to focus coalition efforts on what has worked well and what areas are potential barriers to success in the next two years, it is of equal importance for the coalition to assess the areas where no change was found but was expected. There could be gaps in programming that can be addressed by the coalition or there could be external contextual factors that are impeding success of the BAY Team in these areas. A shift in focus may be warranted in light of these results overall.