



* Note: For interpretation purposes, please print this report and supplemental document in color

Overview

Smoking is a leading cause of preventable death and can also cause many illnesses, including heart disease, stroke, emphysema and lung cancer. Smoking also increases risk for tuberculosis, certain eye diseases, and problems of the immune system, including rheumatoid arthritis. More than 16 million Americans are living with a disease caused by smoking. Each year, smoking costs the US billions in direct care expenditures and lost productivity due to premature death and exposure to secondhand smoke.

General Data Note

When available, yearly rates and three-year rates are presented for a complete data presentation. Due to the small population of Putnam County, slight variation in the number of cases can cause a large fluctuation in yearly rates. Rates based on three-years are more stable and reliable for interpretation.

Also, age-adjusted and crude rates are presented for complete data presentation. Age-adjusted rates control for the effects in age differences on health events. Crude rates can be sensitive to differences in age distribution. Age-adjusted rates are more reliable for interpretation.

Summary

NYSDOH

Table 1: Lung and Bronchus Cancer Incidence Rate per 1,000

The lung and bronchus cancer incidence rate in Putnam County declined from 83.3 per 1000 to 64.5 per 1000 between 2003 and 2008, a 22.6% decrease. In 2009, however, the rate increased by 10.4% to 71.2 per 1000 and continued to rise through 2010. Putnam County remained above the NYS without NYC rate from 2003 to 2006 and below from 2007 to 2009. Though it appears that the state is trending downward, in 2010, the county rate began to increase and once again exceed the NYS without NYC rate.

Table 2: Lung and Bronchus Cancer Mortality Rate per 1,000

The lung and bronchus cancer mortality rate in Putnam County steadily declined from 63.8 per 1000 to 40.6 between 2003 and 2008, a 36.4% decrease. However, between 2009 and 2010 the rate rose a total of 11.8% and also appears to be steadily increasing. In 2006, the county rate fell below the NYS with NYC rate, which appears to be trending downward. Though the county rate currently remains below the NYS without NYC rate, between 2009 and 2010 it begins to steadily and closely approach it.

Summary (continued)

Table 3: Lip, Oral Cavity and Pharynx Cancer Incidence Rate per 100,000

The lip, oral cavity and pharynx cancer incidence rate in Putnam County rose from 7.9 per 100,000 to 11.1 per 100,000 between 2003 to 2007, a 40.5% increase. From 2007 to 2010, the rate decreased 28.8%, once again reaching a rate of 7.9 per 100,000. In 2007 the county rate marginally exceeded the NYS without NYC rate but remained below from 2008 forward.

Table 4: Lip, Oral Cavity and Pharynx Cancer Mortality Rate per 100,000

The lip, oral cavity, and pharynx cancer mortality rate in Putnam County steadily increased from 1.8 per 100,000 to 4.9 per 100,000 between 2003 and 2005 but then steadily declined through to 2010 to a rate of 1.5 per 100,000, a 16.7% decrease. In 2007, for the first time in 4 years, the county rate fell below the NYS without NYC rate where it remained through 2010.

2014 Putnam County Prevention Needs Assessment

Table 5: Number of Youth Who Completed the Putnam Prevention Needs Assessment Survey

As a result of testing and scheduling differences among 12th graders, fewer respondents were able to be captured in the same manner as grades 8 through 11. However, this did not affect the overall sample.

Table 6: Percentage of Students Who Smoked Cigarettes in Their Lifetimes

Between 2010 and 2014, there was an overall decrease (26.2% to 18.1%) in the percentage of students who reported smoking cigarettes in their lifetimes among all grade levels. The results are presented along with comparisons to Monitoring the Future Survey, a national data source (only grades 8, 10, and 12 are surveyed). In comparison to MTF 2013 data, all surveyed 2014 grade levels, with the exception of Grade 12, are below the MTF 2013 values. Grade 12 has a slightly higher 2014 percentage of 33% in comparison to the MTF 2013 value of 31.8%.

Table 7: Percentage of Students Who Used Smokeless Tobacco in Their Lifetimes

Between 2010 and 2014, there was an overall decrease (11.7% to 9.2%) in the percentage of students who reported using smokeless tobacco in their lifetimes among all grade levels. In comparison to MTF 2013 data, all surveyed 2014 grade levels are lower than the MTF 2013 values.

Table 8: Percentage of Students Who Smoked Cigarettes in the Past 30 Days

Between 2010 and 2014, there was an overall decrease (11.3% to 7.1%) in the percentage of students who reported smoking cigarettes in the past 30 days among all grade levels. Additionally, in comparison to MTF 2013 data, all surveyed 2014 grade levels are lower than the MTF 2013 values. It is also important to note that half of those who reported smoking in their lifetimes report currently smoking.

Summary (continued)

Table 9: Percentage of Students Who Used Smokeless Tobacco in the Past 30 Days

Between 2010 and 2014, the percentage of 8th graders who reported using smokeless tobacco products increased 26.3% (1.9% to 2.4%) and increased 7.4% (8.8% to 9.5%) among 12th graders. All other grades have been consistently decreasing 2010. 9th grade rates have decreased 40.4% (5.2% to 3.1%), 10th grade rates have decreased 24% (7.9% to 6%) and 11th grade rates have decreased 35.2% (9.1% to 5.9). In comparison to MTF 2013 data, all surveyed 2014 grade levels are below the MTF 2013 values. It is also important to note that half of those who reported using smokeless tobacco products in their lifetimes report currently using.

Table 10: Percentage of Students with Problem Cigarette Use (1/2 pack or more per day)

From 2010 to 2014, problem cigarette use consistently decreased among grades 9, 10, 11 and 12. Grade 9 decreased by 91.3% (2.3% to 0.2%), grade 10 decreased by 47% (3.7% to 2%), grade 11 decreased by 63.9% (3.6% to 1.3%), and grade 12 decreased by 50.7% (6.7% to 3.3%). However, during the same period, problem cigarette use increased by 50% (0.4% to 0.6%) among 8th graders. In comparison to MTF 2013 data, all surveyed 2014 grade levels except grade 10 were below the MTF 2013 values.

2014 POW'R Survey

Table 11: "Do you think pharmacies should or should not sell tobacco products?"

Since 2009, the majority of Putnam county residents believe that pharmacies should not sell tobacco products and this response rate has also increased from 52% in 2009 to 62% in 2013. The amount of Putnam County respondents who think pharmacies should sell tobacco has been consistently decreasing since 2009. Putnam's 2013 survey results (35% should, 62% should not) are comparable to the 2013 results of

Table 12: "Do you think that stores located near schools should or should not sell tobacco products?"

Dutchess (33% should, 64% should not), Orange (31% should, 67% should not), and Ulster (31% should, 64% should not) counties.

Since 2011, the majority of Putnam County residents believe that schools near schools should not sell tobacco products, however, this response percent is has slightly decreased from 78% in 2011 to 74% in 2013. Currently, nearly a fourth (23%) of Putnam County respondents believe that stores located near school should sell tobacco products, an increase from the 2011 response percentage of 19%). Putnam's 2013 survey results (23% should, 74% should not) are comparable to the 2013 results of Orange County (23% should, 75% should not). More Dutchess (33% should, 64%) and Ulster (31% should, 64% should not) County respondents believe that these stores should sell tobacco products .

Summary (continued)

Table 13: “What is your opinion about a law that would ban the sale of all tobacco products in pharmacies in your community?”

Since 2012, that majority Putnam County respondents have been in favor of a law that would ban the sale of all tobacco products in pharmacies in their communities. Although a third of these responses have been strongly in favor of such a law (31% in 2012, 34% in 2013) , nearly a quarter (24%) of responses are currently strongly against. In comparison to other Hudson Valley counties, Dutchess (23%) and Orange (24%) also have nearly a quarter of responses that are strongly against. Ulster has the lowest percentage of respondents strongly against (20%) and against overall. Generally, all counties have similar response percentages that are in favor of such a law.

Table 14: “What is your opinion about a policy requiring stores to keep displays of tobacco products such as packs of cigarettes where they cannot be seen?”

Since 2012, the majority of Putnam County has been in favor of a policy requiring stores to keep displays of tobacco products where they cannot be seen. Currently, more Putnam County respondents are strongly in favor (44%) of such a policy compared to the 2012 response rate (36%). In 2012, 16% of Putnam County respondents were strongly against such a policy, but this response rate decreased to 11% in 2013. In addition, less respondents were overall against in 2013. Putnam’s 2013 survey results for strongly in favor (44%) and strongly against (11%) are comparable to Dutchess (41%,12%), Orange (42%, 12%) and Ulster(43%, 11%) counties.

POW’R Survey 2014

Table 15: “Have you smoked at least 100 cigarettes in your entire life?” (Percentages)

Since 2009, at least half of Putnam County respondents have report not smoking at least 100 cigarettes in their lifetime. Although this accounts for the majority of the responses, this percentage has decreased from 53% in 2009 to 50% in 2013. The percentage of those who reported smoking at least 100 cigarettes in their lifetimes has increased from 46% in 2009 to 48% in 2013. In comparison to other Hudson Valley counties, Putnam’s 2013 responses were split more evenly (48% yes, 50% no) than Duchess, Orange and Ulster counties. In comparison to Putnam, less Dutchess (42%) and Orange County (43%) respondents reported smoking a least 100 cigarettes in their lifetimes, while more than half of Ulster respondents (54%) reported smoking at least 100 cigarettes in their lifetimes.

Summary (continued)

Table 16: “Do you now smoke cigarettes?”

Since 2009, at least 80% of Putnam County respondents have reported not currently smoking cigarettes. In 2013, 88% of the respondents were non smokers, an 8% increase since 2009. The percentage of those who do report smoking every day decreased from 13% in 2009 to 8% in 2013. Likewise, the percentage of those who report smoking some days has decrease from 7% in 2009 to 3% in 2013. In comparison to other 2013 Hudson Valley respondents, Putnam has the highest rate of nonsmokers (88%) and the lowest rate of current smokers (9%), followed by Dutchess County (87%, 9%). Orange (82%, 12%) and Ulster (83%, 14%) counties have comparable nonsmoker and current smoker rates.

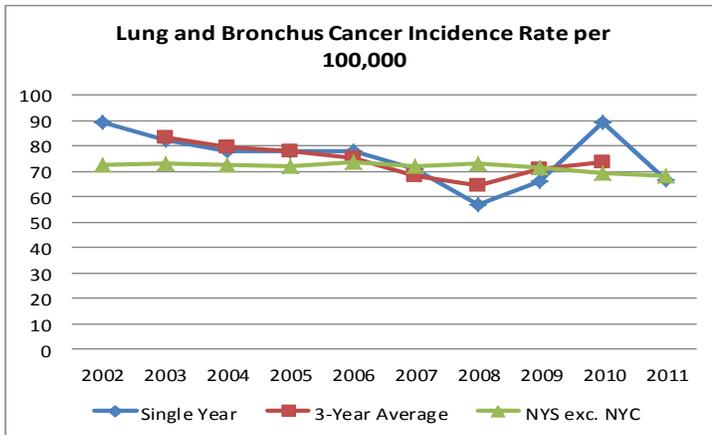
Table 17A and 17B: NY Quitline Caller Demographic 2013-2014

In 2013 (26.42%) and 2014 (26.87%), over a quarter of those who spoke to a Quitline counselor were between 45-55 years old. In 2013 and 2014, the majority of those who spoke to a Quitline counselor smoked 20-29 cigarettes daily (50.41%, 45.71%, respectively) and about a quarter smoked 10-19 cigarettes daily (24.39%, 28.81% respectively). In 2013, more males (56%) than females (44%) spoke to a Quitline counselor. In 2014 male and female percentages were relatively similar (48% and 52%, respectively). In 2013 (23.67%) and 2014 (25.21%), about a quarter of those who spoke to a Quitline counselor had a smoking history of 21 years or more. In 2013 and 2014 most of those who spoke to a Quitline counselor, about 46% in each year, were insured. In 2014, however, a third (32.41%) were either uninsured or had Medicaid. The total Putnam call volume to the NYS Quitline decreased from 1248 in 2013 to 1136 in 2014. In 2013 (19.50%) and 2014 (21.05%), most of those who spoke to a Quitline counselor heard about the program through TV broadcasting.

Data Tables

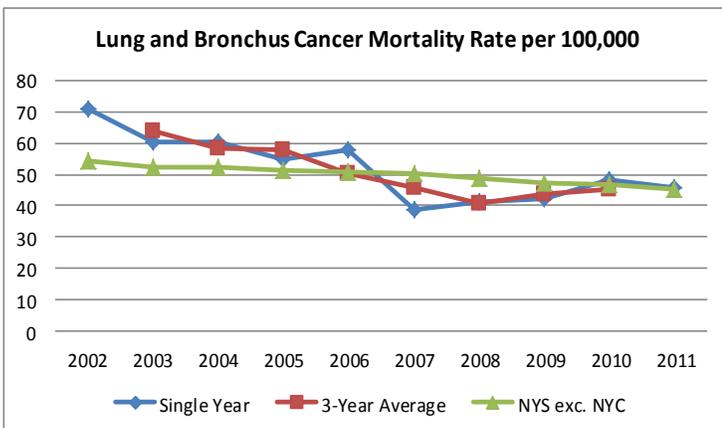


Table 1: Lung and Bronchus Cancer Incidence Rate per 1,000



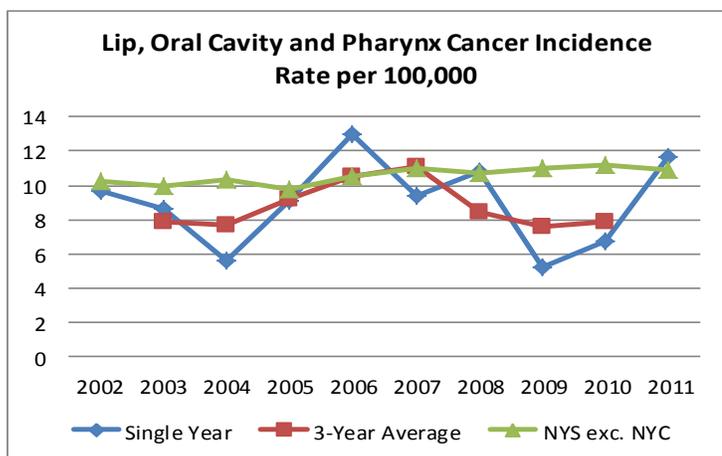
Year	Single Year	3-Year Average	NYS exc. NYC
2002	89.6		72.8
2003	82.1	83.3	73
2004	78	79.6	72.5
2005	78.2	77.9	72.2
2006	77.9	75.5	73.5
2007	70.8	68.5	72.1
2008	57	64.5	73.3
2009	66	71.2	71.4
2010	89.4	73.9	69.3
2011	66.4		68.5

Table 2: Lung and Bronchus Cancer Mortality Rate per 1,000



Year	Single Year	3-Year Average	NYS exc. NYC
2002	71		54.4
2003	60.4	63.8	52.5
2004	60.2	58.5	52.3
2005	54.7	57.6	51.4
2006	57.7	50.1	50.8
2007	38.5	45.8	50.5
2008	41.4	40.6	48.9
2009	42	43.8	47.4
2010	48.1	45.4	46.7
2011	45.9		45

Table 3: Lip, Oral Cavity and Pharynx Cancer Incidence Rate per 100,000

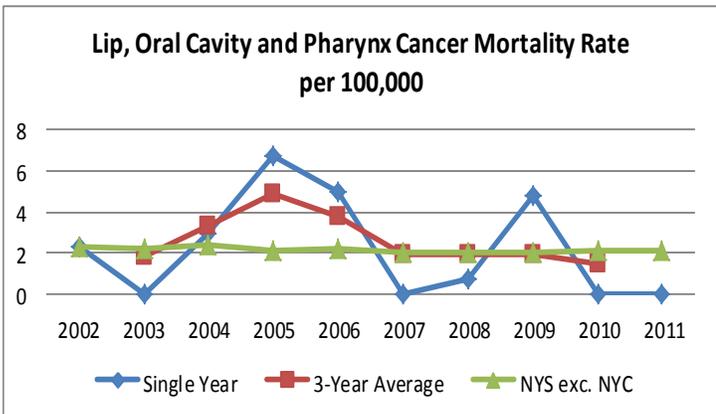


Year	Single Year	3-Year Average	NYS exc. NYC
2002	9.7		10.2
2003	8.6	7.9	10
2004	5.6	7.7	10.3
2005	9.1	9.2	9.8
2006	13	10.5	10.5
2007	9.4	11.1	11
2008	10.8	8.4	10.7
2009	5.2	7.6	11
2010	6.7	7.9	11.2
2011	11.7		10.9

Data Tables (Continued)

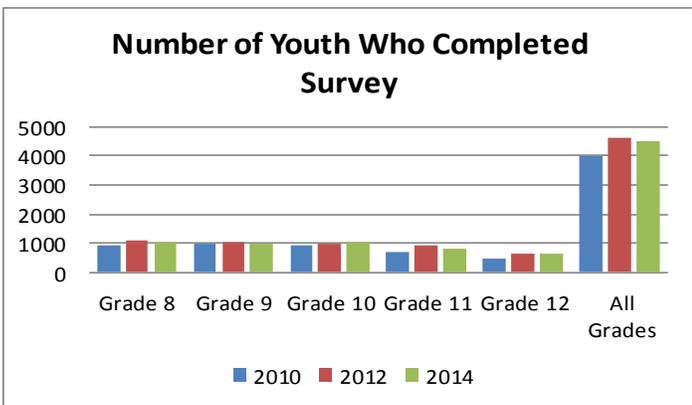


Table 4: Lip, Oral Cavity and Pharynx Cancer Mortality Rate per 100,000



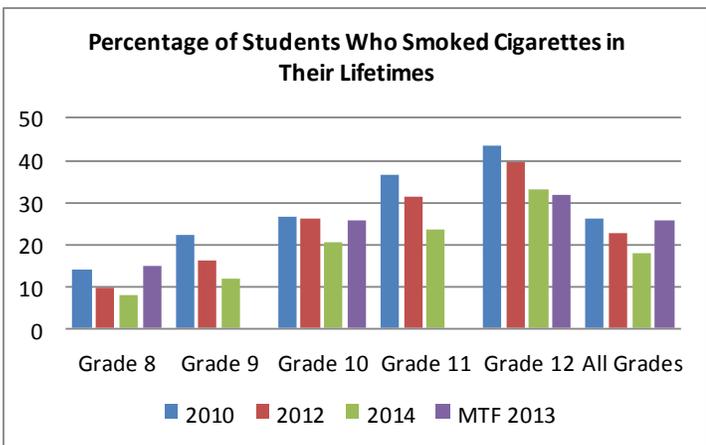
Year	Single Year	3-Year Average	NYS exc. NYC
2002	2.3		2.3
2003	0	1.8	2.2
2004	3	3.3	2.4
2005	6.7	4.9	2.1
2006	5	3.8	2.2
2007	0	1.9	2
2008	0.7	1.9	2
2009	4.8	1.9	2
2010	0	1.5	2.1
2011	0		2.1

Table 5: Number of Youth Who Completed the Putnam Prevention Needs Assessment Survey



Year	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	All Grades
2010	938	952	910	685	496	3981
2012	1104	1019	989	926	610	4648
2014	1029	982	1058	810	614	4493

Table 6: Percentage of Students Who Smoked Cigarettes in Their Lifetimes

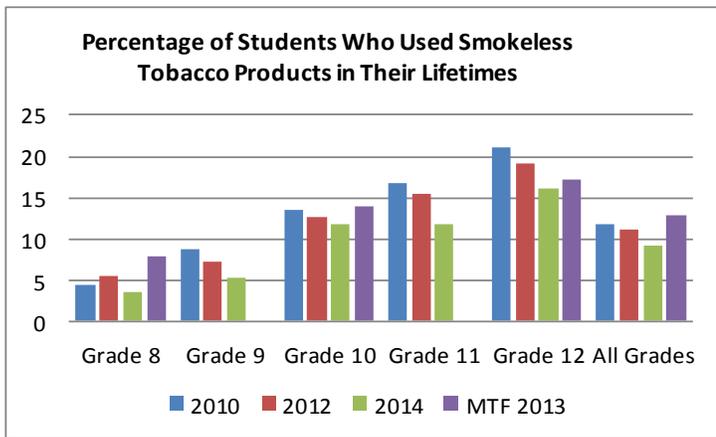


Year	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	All Grades
2010	14	22.3	26.5	36.5	43.3	26.2
2012	9.9	16.1	26	31.3	39.6	22.6
2014	8.1	11.8	20.6	23.7	33	18.1
MTF 2013	14.8		25.7		31.8	25.6

Data Tables (Continued)

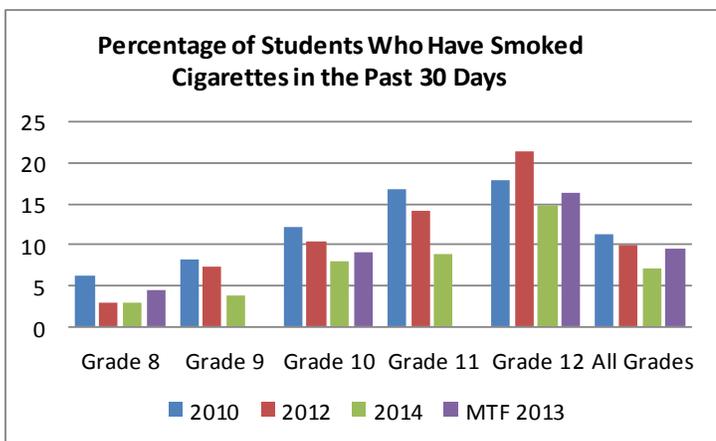


Table 7: Percentage of Students Who Used Smokeless Tobacco in Their Lifetimes



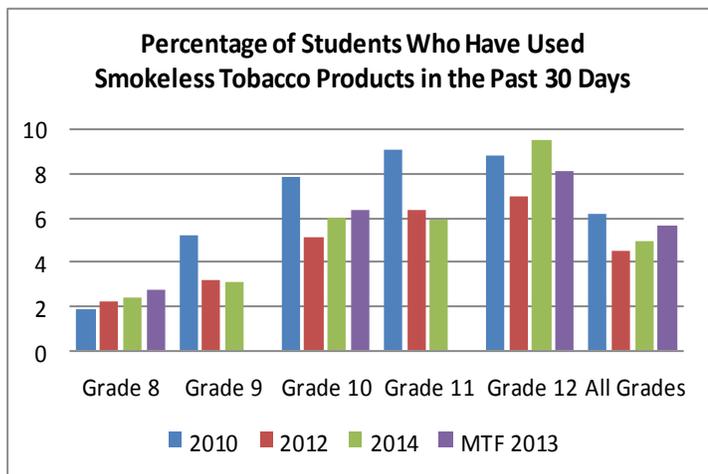
Year	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	All Grades
2010	4.5	8.7	13.6	16.8	21.1	11.7
2012	5.5	7.3	12.6	15.5	19.2	11.1
2014	3.6	5.4	11.8	11.7	16.2	9.2
MTF 2013	7.9		14		17.2	12.8

Table 8: Percentage of Students Who Smoked Cigarettes in the Past 30 Days



Year	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	All Grades
2010	6.3	8.3	12.1	16.9	18	11.3
2012	2.9	7.4	10.4	14.1	21.3	10
2014	3	3.8	8.1	8.8	14.9	7.1
MTF 2013	4.5		9.1		16.3	9.6

Table 9: Percentage of Students Who Used Smokeless Tobacco Products in the Past 30 Days

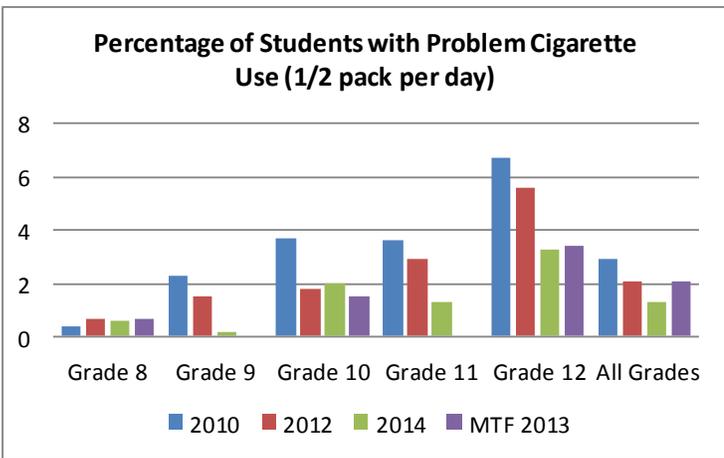


Year	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	All Grades
2010	1.9	5.2	7.9	9.1	8.8	6.2
2012	2.2	3.2	5.1	6.4	7	4.5
2014	2.4	3.1	6	5.9	9.5	5
MTF 2013	2.8		6.4		8.1	5.7

Data Tables (Continued)

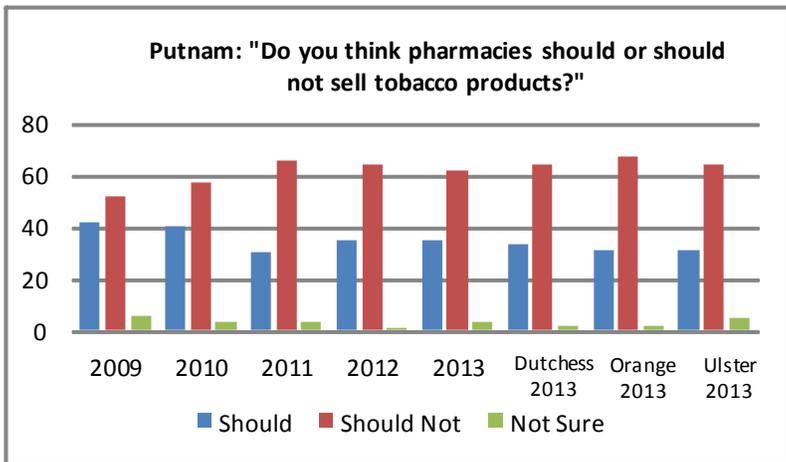


Table 10: Percentage of Students with Problem Cigarette Use (1/2 pack or more per day)



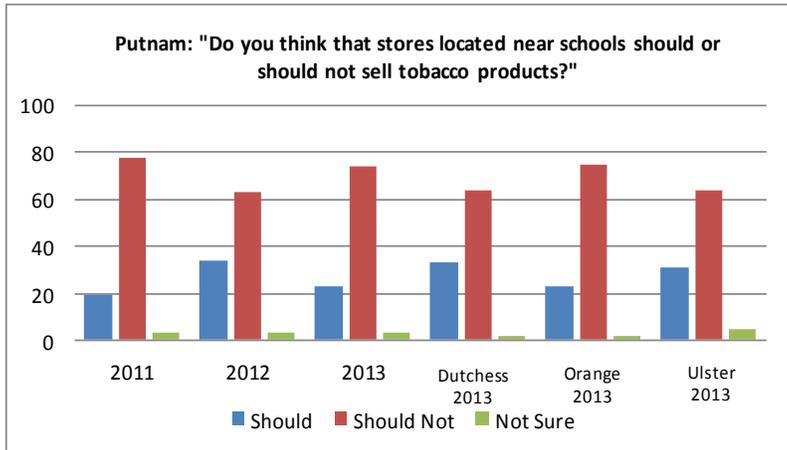
Year	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	All Grades
2010	0.4	2.3	3.7	3.6	6.7	2.9
2012	0.7	1.5	1.8	2.9	5.6	2.1
2014	0.6	0.2	2	1.3	3.3	1.3
MTF 2013	0.7		1.5		3.4	2.1

Table 11: "Do you think pharmacies should or should not sell tobacco products?" (Percentages)



Putnam	Year	N	Should	Should Not	Not Sure
	2009		42	52	6
	2010	400	40	57	3
	2011	404	30	66	3
	2012	64	35	64	1
	2013	402	35	62	3
Dutchess		422	33	64	2
Orange		402	31	67	2
Ulster		404	31	64	5

Table 12: "Do you think that stores located near schools should or should not sell tobacco products?" (Percentages)

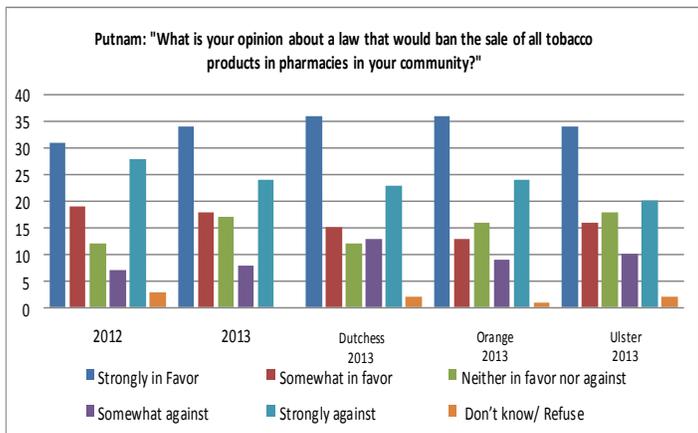


Putnam	Year	N	Should	Should Not	Not Sure
	2011	404	19	78	3
	2012	64	34	63	3
	2013	402	23	74	3
Dutchess		422	33	64	2
Orange		402	23	75	2
Ulster		404	31	64	5

Data Tables (Continued)

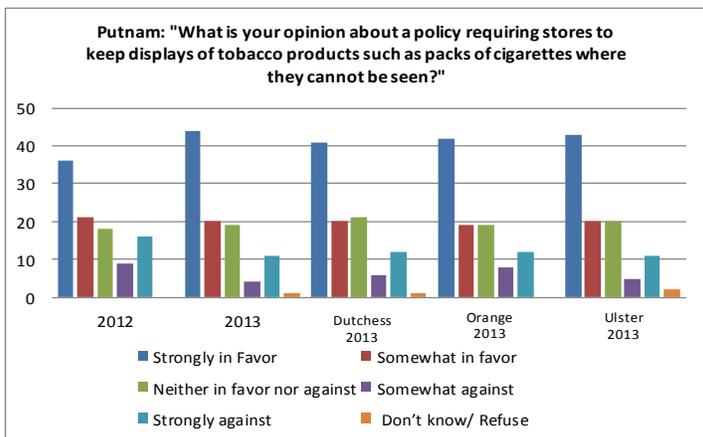


Table 13: "What is your opinion about a law that would ban the sale of all tobacco products in pharmacies in your community? (Percentages)



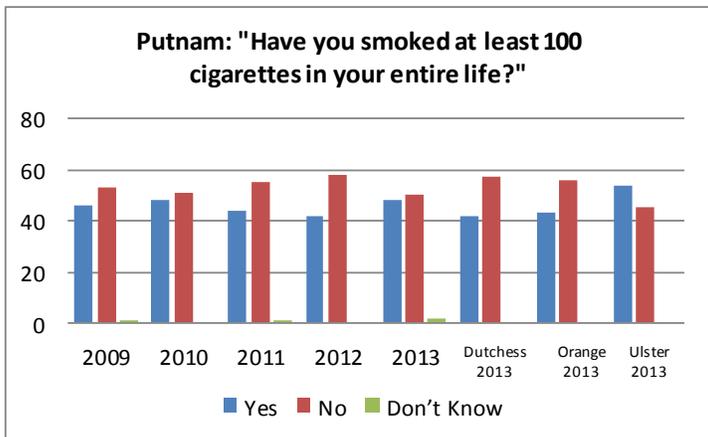
Putnam	Year	N	Strongly in Favor	Somewhat in favor	Neither in favor nor against	Somewhat against	Strongly against	Don't know/ Refuse
	2012	64	31	19	12	7	28	3
	2013	402	34	18	17	8	24	0
Dutchess		422	36	15	12	13	23	2
Orange		402	36	13	16	9	24	1
Ulster		404	34	16	18	10	20	2

Table 14: "What is your opinion about a policy requiring stores to keep displays of tobacco products such as packs of cigarettes where they cannot be seen?" (Percentages)



Putnam	Year	N	Strongly in Favor	Somewhat in favor	Neither in favor nor against	Somewhat against	Strongly against	Don't know/ Refuse
	2012	64	36	21	18	9	16	0
	2013	402	44	20	19	4	11	1
Dutchess		422	41	20	21	6	12	1
Orange		402	42	19	19	8	12	0
Ulster		404	43	20	20	5	11	2

Table 15: "Have you smoked at least 100 cigarettes in your entire life?" (Percentages)



Putnam	Year	N	Yes	No	Don't Know
	2009		46	53	1
	2010	400	48	51	0
	2011	404	44	55	1
	2012	64	42	58	0
	2013	402	48	50	2
Dutchess		422	42	57	0
Orange		402	43	56	0
Ulster		404	54	45	0

Data Tables (Continued)

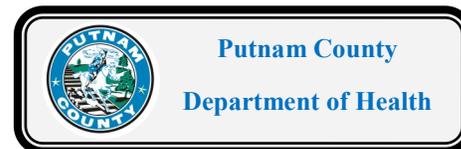
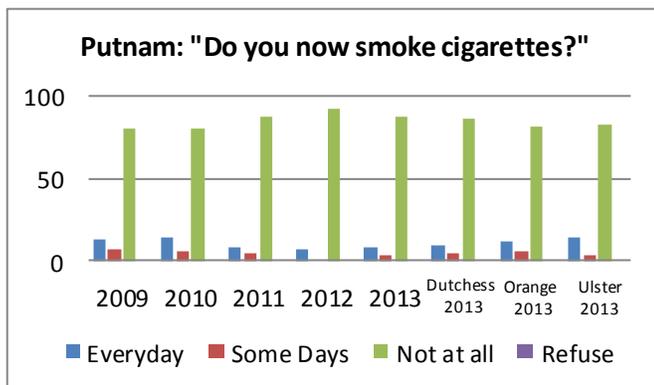


Table 16: "Do you now smoke cigarettes?" (Percentages)



Putnam	Year	N	Everyday	Some Days	Not at all	Refuse
	2009		13	7	80	0
	2010	400	14	6	80	0
	2011	404	8	4	88	0
	2012	64	7	0	93	0
	2013	402	8	3	88	0
Dutchess		422	9	4	87	0
Orange		402	12	6	82	0
Ulster		404	14	3	83	0

Table 17A: NY Quitline Caller Demographic 2013-2014

2013		
Age	Count	Percent
Under 18	0	0
18-24	15	6.1
25-34	43	17.48
35-44	49	19.92
45-54	65	26.42
55-64	51	20.73
65+	23	9.35
Total	246	100
Amount Smoked Daily	Count	Percent
1-9	2	0.81
10-19	60	24.39
20-29	124	50.41
30-39	37	15.04
40+	16	6.5
Total	239	97
Gender	Count	Percent
Male	137	55.69
Female	109	44.31
Total	246	100
Years Smoked	Count	Percent
less than 1 year	0	0
1-5 years	2	0.82
6-11 years	13	5.31
11-15 years	8	3.27
16-20 years	16	6.53
21 or more years	58	23.67
Total	97	40

2014		
Age	Count	Percent
Under 18	0	0
18-24	22	6.09
25-34	68	18.84
35-44	70	19.39
45-54	97	26.87
55-64	69	19.11
65+	34	9.42
Total	360	100
Amount Smoked Daily	Count	Percent
1-9	3	0.83
10-19	104	28.81
20-29	165	45.71
30-39	38	10.53
40+	22	6.09
Total	332	92
Gender	Count	Percent
Male	172	47.65
Female	189	52.35
Total	361	100
Years Smoked	Count	Percent
less than 1 year	0	0
1-5 years	11	3.05
6-11 years	10	2.77
11-15 years	14	3.88
16-20 years	22	6.09
21 or more years	91	25.21
Total	148	41

Data Tables (Continued)



Table 17B: NY Quitline Caller Demographic 2013-2014

2013		
Insurance Status	Count	Percent
Insured	115	46.75
Uninsured	52	21.14
Medicaid	36	14.63
Medicare	26	10.57
Total	229	93
Call Volume Month/Year	Total Call Volume	
Jan-13	30	
Feb-13	24	
Mar-13	106	
Apr-13	90	
May-13	329	
Jun-13	76	
Jul-13	71	
Aug-13	106	
Sep-13	104	
Oct-13	76	
Nov-13	125	
Dec-13	111	
Total	1248	
Source of Quitline Number	Count	Percent
TV	48	19.59
Family - friend who heard about QL	25	10.2
Internet	15	6.12
Family-friend who is client	12	4.9
Radio	12	4.9
NYC quits	7	2.86
Clinic/Health Care Provider	7	2.86
Other	4	1.63
Email Message	3	1.22
311	3	1.22
Workplace/ Office	2	0.82
Newspaper	2	0.82
Called NYS Quit Line Before	1	0.41
Fax to Quit	1	0.41
Total	142	58

2014		
Insurance Status	Count	Percent
Insured	168	46.54
Uninsured	46	12.74
Medicaid	71	19.67
Medicare	40	11.08
Total	325	90
Call Volume Month/Year	Total Call Volume	
Jan-14	118	
Feb-14	82	
Mar-14	193	
Apr-14	130	
May-14	81	
Jun-14	99	
Jul-14	104	
Aug-14	97	
Sep-14	85	
Oct-14	78	
Nov-14	22	
Dec-14	47	
Total	1136	
Source of Quitline Number	Count	Percent
TV	76	21.05
Internet	26	7.2
Family - friend who heard about QL	20	5.54
Family-friend who is client	13	3.6
NYC quits	12	3.32
Radio	11	3.05
Other	8	2.22
Clinic/Health Care Provider	8	2.22
Email Message	3	0.83
Called NYS Quit Line Before	3	0.83
Workplace/ Office	3	0.83
311	1	0.28
Fax to Quit	1	0.28
Total	185	51