

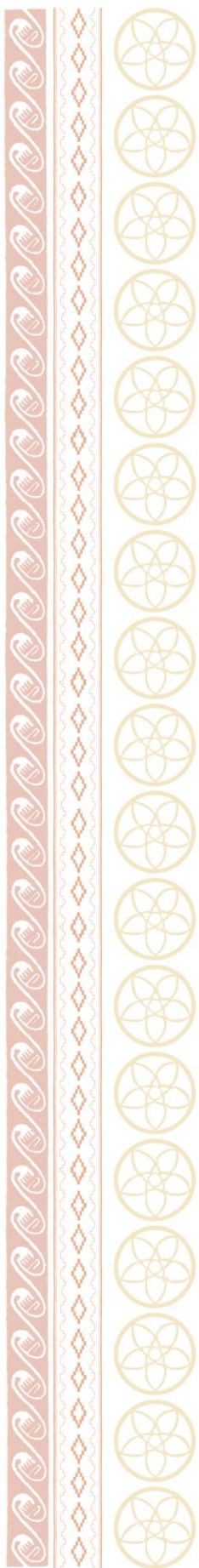
JUNE 2015

# TOBACCO USE AMONG AMERICAN INDIAN YOUTH IN NEW MEXICO

RESULTS OF THE 2013 NEW MEXICO YOUTH RISK &  
RESILIENCY SURVEY



Albuquerque Area Southwest Tribal Epidemiology Center  
Albuquerque Area Indian Health Board



**RECOMMENDED CITATION:**

Yazzie S, Coyle A, English K, Espinoza J. Tobacco Use among American Indian Youth in New Mexico: Findings from the 2013 New Mexico Youth Risk and Resiliency Survey (NM YRRS), June 2015.

**ACKNOWLEDGEMENTS:**

The New Mexico Youth Risk and Resiliency Survey (YRRS) is a collaborative project of the New Mexico Department of Health (NMDOH) and the New Mexico Public Education Department (PED) with support and technical assistance from the University of New Mexico Prevention Research Center (UNM PRC), the Albuquerque Area Southwest Tribal Epidemiology Center (AASTEC), and the Division of Adolescent and School Health at the Centers for Disease Control and Prevention (CDC-DASH).

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## EXECUTIVE SUMMARY

### PURPOSE

This report focuses on tobacco-related risk behaviors among middle and high school American Indian (AI) youth in New Mexico. The data comes from the 2013 New Mexico Youth Risk and Resiliency Survey (NM YRRS). The purpose of the NM YRRS is to obtain insight into risk behaviors and protective (resiliency) factors for both middle and high school students. This statewide survey included 19,093 high school and 16,390 middle school students. Among students surveyed, 4,631 high school students and 4,062 middle school students identified themselves as American Indian.

### METHODS

The 2013 NM YRRS was administered in middle and high schools within the New Mexico public school system and the Bureau of Indian Education. A representative sample of students was selected using a weighted protocol developed by the Centers for Disease Control and Prevention. Additional details on this methodology are accessible at [www.YouthRisk.org](http://www.YouthRisk.org).

The tables in this report are organized into two sections – middle school and high school students. In each section, estimates of self-reported tobacco-related behaviors are compared between American Indians in New Mexico (AI-NM) and the New Mexico (NM) statewide population. Findings are further stratified by gender and grade level. It is important to note, that the NM YRRS survey instrument does not distinguish between commercial and ceremonial uses of tobacco. Use of e-cigarettes was also not measured in 2013, but will be included on the 2015 NM YRRS survey instrument for both middle and high school students.

### KEY FINDINGS

Several key tobacco-related findings and trends emerged in this analysis among both middle school and high school American Indian students in New Mexico (AI-NM), including:

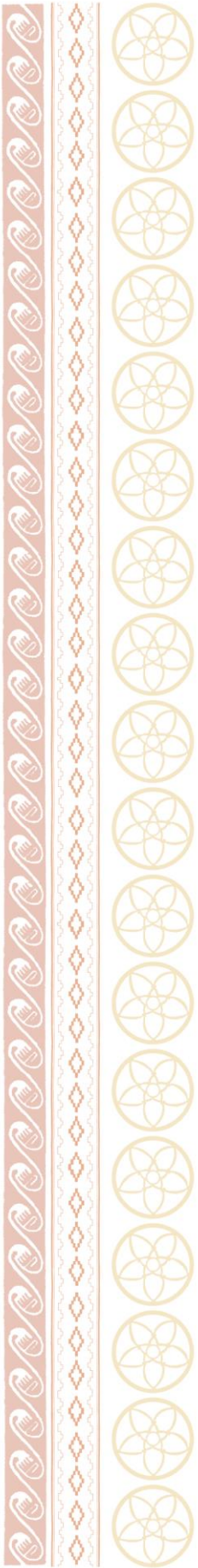
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## Middle School

- American Indian middle school students reported a higher prevalence of smoking cigarettes during the past 30 days compared to the all-race NM middle school student population, 7.4% and 4.9%, respectively.
- American Indian middle students reported a higher prevalence of ever smoking cigarettes compared to all NM middle school students, 11.3% and 7.7% respectively.
- Approximately  $\frac{1}{2}$  of American Indian middle school students who currently smoke, smoked on school property during the past 30 days.
- More than  $\frac{1}{2}$  of American Indian middle school students who currently smoke, tried to quit during the past year.

## High School

- American Indian high school students were significantly less likely to currently use any tobacco product (cigarettes, hookah, cigars, or spit tobacco) compared to all NM high school students, 23.7% and 28.7%, respectively.
- Approximately 1 in 6 American Indian high school students in NM (16.1%) smoked cigarettes in the past 30 days.
- More than 1 in 5 American Indian high school students who currently smoke cigarettes, bought them in a store (22.8%).
- American Indian male high school students were three times more likely to currently use chewing/spit tobacco than American Indian female students (13.4% vs. 4.5%), and two times more likely to use cigars or cigarillos (14.6% vs. 7.6%).
- More than half (51.3%) of American Indian high school students who currently smoke tried to quit in the past 12 months. Assisting youth in successfully quitting commercial tobacco use may therefore be an important public health intervention.



# NEW MEXICO MIDDLE SCHOOL STUDENTS

# MIDDLE SCHOOL

## **TOBACCO USE - ANY PRODUCT**

**Table 1.1**  
Current use of any tobacco product in the past 30 days\*

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	8.4	(7.1 - 10.0)	6.5	(5.8 - 7.4)
<b>Gender</b>				
Male	9.2	(7.0 - 11.9)	6.9	(5.7 - 8.2)
Female	7.6	(5.7 - 9.9)	6.2	(5.1 - 7.6)
<b>Grade</b>				
6th Grade	5.5	(3.7 - 8.0)	4.1	(2.6 - 6.2)
7th Grade	6.6	(4.8 - 8.9)	6.5	(4.9 - 8.5)
8th Grade	13.7	(11.2 - 16.7)	8.9	(7.7 - 10.2)

\*Cigarettes, cigars, or spit tobacco

A higher percentage of AI-NM middle school students currently use any tobacco product (8.4%) compared to all NM middle school students (6.5%). Significant differences were not observed by gender or race/ethnicity. Among all middle school students, the prevalence of tobacco use increases significantly from sixth to eighth grade.

## EVER USED TOBACCO

**Table 2.1**  
Ever smoked cigarettes before 11 years of age

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	11.3	(9.5 - 13.3)	7.7	(6.8 - 8.7)
<b>Gender</b>				
Male	11.8	(9.5 - 14.5)	7.7	(6.7 - 8.9)
Female	10.7	(8.4 - 13.5)	7.8	(6.5 - 9.3)
<b>Grade</b>				
6th Grade	3.9	(2.6 - 5.7)	2.3	(1.6 - 3.3)
7th Grade	9.7	(7.1 - 13.2)	7.0	(5.3 - 9.2)
8th Grade	20.4	(17.1 - 24.2)	13.3	(11.9 - 14.9)

A significantly higher proportion of AI-NM middle school students ever smoked a whole cigarette (11.3%) before 11 years of age compared to all NM middle school students (7.7%).



## CURRENT SMOKERS

**Table 3.1**  
Current cigarette smoker in the past 30 days

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	7.4	(6.0 - 8.8)	4.9	(4.1 - 5.7)
<b>Gender</b>				
Male	7.5	(5.5 - 9.5)	4.3	(3.6 - 5.1)
Female	7.3	(5.1 - 9.5)	5.5	(4.2 - 6.8)
<b>Grade</b>				
6th Grade	4.1	(2.3 - 6.0)	2.1	(1.3 - 3.0)
7th Grade	5.8	(3.8 - 7.8)	5.4	(3.6 - 7.2)
8th Grade	12.7	(10.2 - 15.2)	6.9	(6.0 - 7.8)

A significantly higher proportion of AI-NM middle school students (7.4%) smoked cigarettes during the past 30 days compared to all NM middle school students (4.9%). The data also show that AI-NM male middle school students (7.5%) reported a significantly higher prevalence of current cigarette smoking compared to all NM male middle school students (4.3%). Overall, the prevalence of smoking cigarettes during the past 30 days appears to increase significantly from sixth to eighth grade for all middle school students, i.e., from 4.1% among AI-NM 6th grade students to 12.7% among AI-NM 8th grade students.

**Table 3.2**  
Percentage of current smokers, who smoked every day in the past 30 days\*

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	13.2	(5.5 - 20.9)	9.7	(5.6 - 13.8)
<b>Gender</b>				
Male	14.7	(3.6 - 25.8)	10.6	(6.6 - 14.6)
Female	11.4	(0.1 - 22.8)	9.0	(3.0 - 14.9)
<b>Grade</b>				
6th Grade	15.3	(0.0 - 39.7)	13.1	(4.4 - 21.8)
7th Grade	18.9	(0.0 - 39.5)	6.5	(2.0 - 11.1)
8th Grade	9.3	(0.0 - 19.6)	11.1	(4.8 - 17.3)

\*Excludes non-smokers

The majority of middle school students who currently smoke cigarettes, do not smoke every day. Among AI-NM middle school students, only 13.2% of current smokers smoked cigarettes every day during the past 30 days.

**Table 3.3**  
**Current cigarette smokers who smoked on school property (past 30 days)\***

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	33.2	(23.7 - 42.7)	29.9	(20.8 - 38.9)
<b>Gender</b>				
Male	32.8	(18.5 - 47.1)	24.6	(18.2 - 31.1)
Female	34.0	(20.1 - 47.8)	34.2	(19.2 - 49.2)
<b>Grade</b>				
6th Grade	19.8	(0.0 - 44.3)	17.9	(6.3 - 29.5)
7th Grade	51.8	(46.0 - 57.6)	35.7	(29.9 - 41.6)
8th Grade	28.3	(17.2 - 39.4)	29.8	(22.0 - 37.5)

\*Excludes non-smokers

Approximately 1 in 3 AI-NM middle school students who currently smoke, smoked cigarettes on school property in the past 30 days (33.2%). The prevalence of smoking on school property did not differ by race/ethnicity or by gender.

**Table 3.4**  
**Method of obtaining cigarettes among current cigarette smokers**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
<b>Overall</b>				
Bought in a store	6.2	(2.8 - 13.2)	10.9	(4.4 - 24.3)
Vending machine	2.6	(0.9 - 7.2)	2.0	(0.7 - 5.7)
Gave someone money to buy them	18.5	(11.9 - 27.6)	16.8	(12.9 - 21.5)
Borrowed or bummed them	18.8	(11.4 - 29.4)	18.9	(15.0 - 23.7)
Someone over 18 yo gave them to me	6.5	(3.3 - 12.3)	6.0	(4.0 - 9.1)
Took them from store or family	17.2	(10.7 - 26.3)	15.7	(11.8 - 20.5)
Got them some other way	30.2	(22.8 - 38.8)	29.7	(23.8 - 36.4)
<b>Male</b>				
Bought in a store	6.7	(2.5 - 17.1)	8.9	(4.0 - 18.7)
Vending machine	3.9	(1.1 - 12.2)	1.6	(0.6 - 4.2)
Gave someone money to buy them	22.1	(12.6 - 35.8)	21.5	(15.5 - 29.0)
Borrowed or bummed them	12.8	(6.0 - 25.2)	16.4	(11.4 - 23.1)
Someone over 18 yo gave them to me	8.3	(3.3 - 19.1)	7.8	(4.5 - 13.2)
Took them from store or family	16.8	(8.4 - 30.7)	13.1	(8.9 - 18.8)
Got them some other way	29.5	(19.6 - 41.8)	30.7	(24.0 - 38.4)
<b>Female</b>				
Bought in a store	5.7	(1.6 - 17.8)	12.6	(3.5 - 36.1)
Vending machine	1.2	(0.4 - 3.9)	2.3	(0.5 - 10.6)
Gave someone money to buy them	14.3	(7.0 - 27.1)	12.8	(8.3 - 19.2)
Borrowed or bummed them	26.2	(13.7 - 44.2)	21.1	(15.7 - 27.8)
Someone over 18 yo gave them to me	4.4	(1.9 - 10.0)	4.6	(2.4 - 8.5)
Took them from store or family	17.7	(9.1 - 31.6)	17.8	(11.8 - 26.0)
Got them some other way	30.5	(18.7 - 45.6)	28.8	(20.4 - 39.0)

The three most common methods for obtaining cigarettes among AI middle school students who smoke cigarettes were 1) borrowed or bummed them (18.8%), 2) Gave someone money to buy them (18.5%), and 3) Took them from a store or family member (17.2%). An additional 30.2% of AI middle school students indicated that they "got them some other way".

**Table 3.5**  
**Cigar use during the past 30 days**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	6.8	(5.6 - 8.4)	5.0	(4.2 - 5.9)
<b>Gender</b>				
Male	7.7	(5.9 - 10.2)	5.3	(4.2 - 6.6)
Female	5.8	(4.1 - 8.1)	4.8	(3.7 - 6.2)
<b>Grade</b>				
6th Grade	4.3	(2.8 - 6.5)	3.4	(2.1 - 5.5)
7th Grade	6.3	(4.3 - 9.2)	5.4	(3.8 - 7.7)
8th Grade	9.8	(7.4 - 12.7)	5.9	(5.0 - 7.0)

The prevalence of cigar use did not differ significantly between AI-NM middle school students (6.8%) and all NM students (5.0%). The prevalence of cigar use during the past 30 days increases from sixth to eighth grade for both AI-NM middle school students (from 4.3% to 9.8%) and all NM middle school students (3.4% to 5.9%).

**Table 3.6**  
Use of spit tobacco during the past 30 days

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	3.1	(2.2 - 4.0)	2.9	(2.4 - 3.4)
<b>Gender</b>				
Male	4.0	(2.6 - 5.4)	3.9	(3.2 - 4.7)
Female	2.1	(1.1 - 3.1)	1.8	(1.3 - 2.3)
<b>Grade</b>				
6th Grade	1.9	(0.6 - 3.2)	2.0	(1.2 - 2.7)
7th Grade	3.0	(1.3 - 4.6)	2.3	(1.4 - 3.1)
8th Grade	4.6	(2.5 - 6.6)	4.3	(3.5 - 5.1)

Overall, a low percentage of AI-NM middle school students used spit tobacco in the past 30 days (3.1%). Twice as many AI-NM male students (4.0%) used spit tobacco compared to AI-NM female students (2.1%). In general, the rate of spit tobacco use appears to increase by grade level.

**Table 3.7**  
Current smokers who tried to quit smoking in the past 12 months

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	55.7	(50.7 - 60.5)	59.8	(52.7 - 66.5)
<b>Gender</b>				
Male	63.8	(53.3 - 73.1)	55.2	(48.0 - 62.1)
Female	55.5	(44.7 - 65.7)	56.7	(49.6 - 63.5)
<b>Grade</b>				
6th Grade	62.1	(45.9 - 76.0)	42.8	(30.8 - 55.6)
7th Grade	62.4	(49.4 - 73.8)	59.4	(50.3 - 67.9)
8th Grade	55.9	(46.9 - 64.5)	60.2	(55.2 - 65.0)

More than half of AI-NM middle school students who are current smokers tried to quit smoking in the past 12 months (55.7%). The percentage of current smokers who tried to quit smoking in the past 12 months did not differ significantly by gender, grade, or race/ethnicity.

## SECONDHAND SMOKE EXPOSURE

**Table 4.1**  
**In the same room with someone who was smoking cigarettes (past 7 days)**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	22.9	(20.6 - 25.3)	27.8	(26.0 - 29.6)
<b>Gender</b>				
Male	21.7	(18.5 - 25.3)	25.9	(23.7 - 28.2)
Female	24.4	(21.6 - 27.4)	29.9	(27.5 - 32.5)
<b>Grade</b>				
6th Grade	19.3	(15.3 - 24.0)	23.1	(19.8 - 26.7)
7th Grade	21.5	(18.1 - 25.3)	26.5	(23.9 - 29.3)
8th Grade	28.1	(23.5 - 33.3)	33.5	(31.1 - 36.0)

Almost one quarter (22.9%) of AI-NM middle school students were in the same room with someone who was smoking cigarettes during the past 7 days. This rate was slightly lower than the rate observed among all NM middle school students (27.8%). The rate of secondhand smoke exposure appears to increase with grade level, i.e., from 19.3% among AI-NM 6th grade students to 28.1% among AI-NM 8th grade students.

## ATTITUDES & BELIEFS ABOUT SMOKING

Table 5.1

Will try smoking a cigarette soon\*

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	8.2	(5.2 - 12.7)	5.2	(4.2 - 6.5)
<b>Gender</b>				
Male	10.9	(5.8 - 19.7)	6.0	(4.1 - 8.9)
Female	5.2	(3.8 - 7.2)	4.4	(3.8 - 5.2)
<b>Grade</b>				
6th Grade	11.1	(4.5 - 24.9)	6.0	(3.3 - 10.6)
7th Grade	6.7	(4.7 - 9.3)	4.9	(3.9 - 6.0)
8th Grade	6.8	(4.5 - 10.2)	5.0	(4.2 - 5.9)

\*Excludes those that already tried smoking

Approximately 1 in 12 AI-NM middle school students (8.2%) reported that they would try smoking a cigarette soon. This rate did not differ significantly by gender, grade, or race/ethnicity.

Table 5.2

Will smoke cigarettes in the next year\*

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	10.8	(9.2 - 12.7)	8.4	(7.5 - 9.4)
<b>Gender</b>				
Male	11.9	(9.5 - 14.8)	7.8	(6.8 - 9.0)
Female	9.5	(7.4 - 12.1)	9.1	(7.9 - 10.5)
<b>Grade</b>				
6th Grade	6.8	(4.8 - 9.4)	4.4	(3.4 - 5.7)
7th Grade	10.7	(7.8 - 14.5)	8.6	(6.8 - 10.9)
8th Grade	14.5	(11.9 - 17.7)	11.7	(10.5 - 13.0)

\*Definitely or probably

Approximately 1 in 10 AI-NM middle school students (10.8%) stated that they will smoke a cigarette in the next year. The percentage of students planning to smoke cigarettes in the next year increases significantly from sixth grade (6.8%) to eighth grade (14.5%) among AI-NM students.

**Table 5.3**  
**Would smoke a cigarette if best friend offered\***

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	12.6	(10.7 - 14.7)	10.3	(9.2 - 11.6)
<b>Gender</b>				
Male	12.0	(9.8 - 14.7)	9.5	(8.3 - 10.9)
Female	13.2	(10.7 - 16.3)	11.3	(9.7 - 13.0)
<b>Grade</b>				
6th Grade	6.8	(4.9 - 9.3)	5.1	(3.7 - 7.0)
7th Grade	11.9	(8.8 - 15.8)	11.0	(8.8 - 13.7)
8th Grade	18.7	(15.2 - 22.8)	14.2	(12.8 - 15.7)

\*Definitely or probably

Approximately 1 out of 8 AI-NM middle school students (12.6%) would definitely or probably smoke a cigarette if offered one by their best friend. This percentage increases with increasing grade level, i.e., from 6.8% among AI-NM sixth grade students to 18.7% of AI-NM eighth grade students.

**Table 5.4**  
**Seen ads in the past 30 days about the dangers of cigarette smoking**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	63.8	(60.9 - 66.7)	65.3	(63.6 - 67.0)
<b>Gender</b>				
Male	63.5	(58.7 - 68.0)	64.1	(61.7 - 66.4)
Female	64.2	(60.5 - 67.7)	66.9	(64.5 - 69.1)
<b>Grade</b>				
6th Grade	62.9	(55.3 - 69.9)	64.7	(60.2 - 69.0)
7th Grade	63.3	(58.4 - 68.0)	64.3	(60.6 - 67.8)
8th Grade	65.4	(61.7 - 69.0)	67.2	(65.5 - 68.8)

Roughly two-thirds of AI-NM middle school students (63.8%) reported seeing ads in the past 30 days about the dangers of cigarette smoking. The percentage of students who reported seeing these ads did not differ significantly by gender, grade, or race/ethnicity.

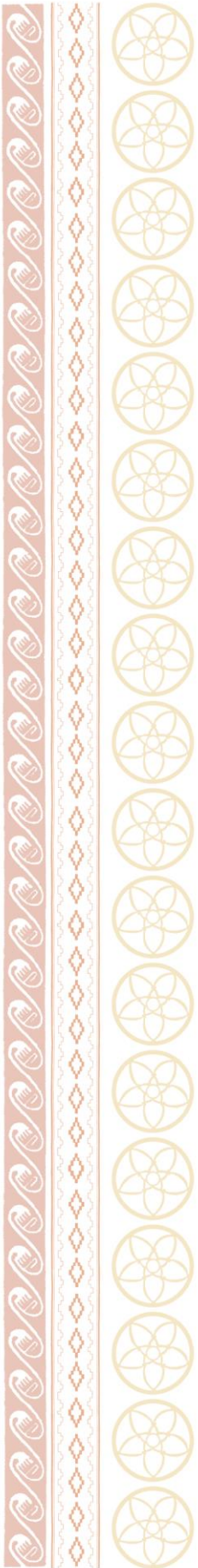
**Table 5.5**  
**Believe that smoke from other people's cigarettes is harmful\***

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	82.8	(80.0 - 85.3)	84.8	(82.9 - 86.6)
<b>Gender</b>				
Male	81.6	(78.0 - 84.7)	84.3	(81.2 - 86.9)
Female	84.2	(79.6 - 88.0)	85.5	(83.5 - 87.2)
<b>Grade</b>				
6th Grade	85.0	(80.2 - 88.8)	85.1	(80.1 - 89.1)
7th Grade	82.0	(76.9 - 86.2)	83.4	(79.9 - 86.5)
8th Grade	81.4	(76.0 - 85.9)	85.9	(84.0 - 87.6)

*\*Definitely or probably*

The vast majority of AI-NM middle school students (82.8%) believe that smoke from other people's cigarettes is harmful. The percentage of middle school students who think that smoke from other people's cigarettes was definitely or probably harmful to them did not differ by gender, grade level, or race/ethnicity.





# NEW MEXICO HIGH SCHOOL STUDENTS

## HIGH SCHOOL

### USE OF ANY TOBACCO

Table 6.1  
Current use of any tobacco product\*

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	23.7	(20.5 - 26.8)	28.7	(26.9 - 30.5)
<b>Gender</b>				
Male	28.2	(23.8 - 32.6)	30.9	(28.6 - 33.3)
Female	19.3	(15.5 - 23.2)	26.4	(24.0 - 28.7)
<b>Grade</b>				
9th Grade	21.0	(16.9 - 25.0)	21.7	(19.3 - 24.0)
10th Grade	24.6	(19.3 - 29.8)	29.0	(26.0 - 31.9)
11th Grade	25.5	(19.8 - 31.1)	32.9	(30.0 - 35.8)
12th Grade	23.8	(18.0 - 29.6)	33.7	(29.4 - 37.9)

\*Cigarettes, hookah, cigars or spit tobacco

A significantly lower proportion of AI-NM high school students (23.7%) currently use any tobacco product compared to all NM high school students (28.7%). Significantly more AI-NM males (28.2%) than AI-NM females (19.3%) currently use any tobacco product.

## EVER SMOKED

**Table 7.1**  
Ever smoked cigarettes

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	54.8	(48.6 - 61.1)	48.5	(46.3 - 50.7)
<b>Gender</b>				
Male	60.5	(55.1 - 65.8)	50.8	(47.7 - 54.0)
Female	49.3	(44.1 - 54.5)	46.1	(43.5 - 48.7)
<b>Grade</b>				
9th Grade	43.7	(39.3 - 48.1)	39.2	(36.4 - 42.0)
10th Grade	54.1	(47.7 - 60.5)	49.1	(45.9 - 52.3)
11th Grade	62.2	(56.5 - 67.8)	54.6	(51.5 - 57.7)
12th Grade	64.2	(58.8 - 69.7)	54.5	(49.9 - 59.0)

A higher percentage of AI-NM high school students (54.8%) ever smoked cigarettes compared to all NM high school students (48.5%). The data also show that a significantly higher proportion of AI-NM male (60.5%) high school students ever smoked cigarettes compared to all NM male (50.8%) high school students. AI-NM male high school students (60.5%) were also significantly more likely to have ever smoked cigarettes than AI-NM female high school students (49.3%).

**Table 7.2**  
Smoked whole cigarette before 13 years of age

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	16.5	(12.8 - 20.2)	12.9	(11.6 - 14.2)
<b>Gender</b>				
Male	18.5	(15.0 - 21.9)	14.8	(12.6 - 16.9)
Female	14.6	(11.2 - 18.0)	10.9	(9.5 - 12.3)
<b>Grade</b>				
9th Grade	16.1	(12.7 - 19.5)	13.5	(11.8 - 15.2)
10th Grade	18.4	(13.6 - 23.2)	13.4	(11.5 - 15.4)
11th Grade	13.3	(10.0 - 16.6)	11.3	(9.4 - 13.2)
12th Grade	17.0	(11.8 - 22.2)	12.1	(9.2 - 15.0)

A higher proportion of AI-NM high school students (16.5%) smoked a whole cigarette before 13 years of age compared to all NM high school students (12.9%).

## CURRENT SMOKERS

**Table 8.1**  
Current cigarette smoker in the past 30 days

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	16.1	(13.5 - 18.8)	16.9	(15.4 - 18.4)
<b>Gender</b>				
Male	18.4	(15.0 - 21.7)	17.8	(16.0 - 19.5)
Female	14.0	(10.5 - 17.6)	16.0	(13.9 - 18.1)
<b>Grade</b>				
9th Grade	12.9	(9.7 - 16.1)	12.1	(9.9 - 14.3)
10th Grade	15.7	(10.6 - 20.8)	17.2	(14.1 - 20.2)
11th Grade	18.8	(13.6 - 24.0)	19.6	(16.8 - 22.3)
12th Grade	18.6	(12.6 - 24.5)	20.4	(17.1 - 23.8)

There is not a significant difference in the percentage of AI-NM high school students (16.1%) who smoked cigarettes in the past 30 days compared to all NM high school students (16.9%). Among AI-NM high school students, a higher proportion of males (18.4%) smoked cigarettes in the past 30 days compared to females (14.0%).

**Table 8.2**  
Current cigarette smokers who smoked on all 30 of the past 30 days

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	14.9	(8.2 - 21.6)	21.3	(18.7 - 24.7)
<b>Gender</b>				
Male	11.9	(7.9 - 16.0)	22.8	(18.7 - 30.0)
Female	18.7	(4.4 - 33.0)	20.4	(16.0 - 24.8)
<b>Grade</b>				
9th Grade	8.2	(4.1 - 12.4)	15.9	(10.0 - 21.7)
10th Grade	20.3	(0.0 - 46.0)	18.8	(12.7 - 24.9)
11th Grade	7.8	(4.7 - 10.8)	22.5	(15.5 - 29.4)
12th Grade	22.5	(3.8 - 41.1)	29.2	(22.5 - 36.0)

Among current smokers, fewer AI-NM high school students smoked daily over the past 30 days (14.9%) compared to all NM high school students (21.3%). AI-NM males had a significantly lower prevalence of daily cigarette smoking (11.9%) compared to all NM male high school students (22.8%).

**Table 8.3**  
**Heavy cigarette smoking among current smokers (smoked 11 or more cigarettes/day)**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	2.9	(0.7 - 5.1)	6.1	(4.5 - 7.7)
<b>Gender</b>				
Male	5.1	(1.3 - 8.9)	7.4	(5.1 - 9.8)
Female	0.2	(0.1 - 0.2)	4.6	(2.7 - 6.6)
<b>Grade</b>				
9th Grade	2.9	(2.3 - 3.4)	6.3	(2.5 - 10.1)
10th Grade	0.8	(0.0 - 1.9)	4.0	(1.3 - 6.7)
11th Grade	0.8	(0.7 - 1.0)	5.8	(2.3 - 9.2)
12th Grade	7.0	(0.0 - 16.3)	7.1	(3.8 - 10.4)

The prevalence of smoking 11 or more cigarettes per day among current smokers is lower among AI-NM high school students (2.9%) compared to all NM high school students (6.1%). AI-NM females had a significantly lower prevalence of heavy cigarette smoking (0.2%) compared to both AI-NM males (5.1%) and all NM female high school students (4.6%).

**Table 8.4**  
**Method of obtaining cigarettes among current smokers**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
<b>Overall</b>				
Bought in a store	22.8	(16.2 - 29.4)	18.5	(14.9 - 22.2)
Vending machine	2.8	(1.0 - 4.5)	2.9	(1.7 - 4.1)
Gave someone money to buy them	16.0	(11.5 - 20.4)	18.6	(16.3 - 21.0)
Borrowed or bummed them	25.9	(20.0 - 31.8)	27.4	(24.5 - 30.3)
An adult (age 18+) gave them to me	6.5	(4.5 - 8.5)	7.5	(5.9 - 9.1)
Took them from store or family member	5.9	(3.9 - 7.9)	5.3	(4.0 - 6.6)
Other	20.2	(14.9 - 25.4)	19.7	(17.0 - 22.5)
<b>Male</b>				
Bought in a store	21.3	(12.5 - 30.2)	21.7	(17.7 - 25.8)
Vending machine	3.8	(0.7 - 6.8)	4.3	(2.2 - 6.4)
Gave someone money to buy them	17.7	(12.1 - 23.2)	17.7	(14.2 - 21.3)
Borrowed or bummed them	26.8	(16.9 - 36.6)	26.2	(22.7 - 29.7)
An adult (age 18+) gave them to me	7.7	(5.0 - 10.5)	6.1	(4.3 - 7.9)
Took them from store or family member	5.9	(4.1 - 7.7)	4.5	(3.2 - 5.9)
Other	16.9	(12.9 - 20.9)	19.4	(15.7 - 23.0)
<b>Female</b>				
Bought in a store	24.6	(9.7 - 39.6)	15.1	(9.8 - 20.3)
Vending machine	1.4	(1.2 - 1.7)	1.3	(0.2 - 2.4)
Gave someone money to buy them	13.8	(7.1 - 20.5)	19.4	(15.5 - 23.4)
Borrowed or bummed them	24.8	(13.6 - 36)	28.7	(24.2 - 33.1)
An adult (age 18+) gave them to me	4.9	(2.7 - 7.1)	9.0	(6.2 - 11.8)
Took them from store or family member	6.0	(2.3 - 9.7)	6.3	(3.9 - 8.7)
Other	24.4	(14.0 - 34.9)	20.3	(15.5 - 25.0)

Overall, the most common method of obtaining cigarettes was through borrowing or bumming them from others for both AI-NM (25.9%) and all NM high school students (27.4%). Methods of obtaining cigarettes among current smokers did not differ significantly by race/ethnicity, gender or grade level. It is important to note that more than 1 in 5 AI-NM high school students who currently smoke (22.8%), bought cigarettes from a store.

**Table 8.5**  
**Current cigarette smokers who purchased cigarettes in a store**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	22.8	(16.2 - 29.4)	18.5	(14.9 - 22.2)
<b>Gender</b>				
Male	21.3	(12.5 - 30.2)	21.7	(17.7 - 25.8)
Female	24.6	(9.7 - 39.6)	15.1	(9.8 - 20.3)
<b>Grade</b>				
9th Grade	11.8	(0.0 - 25.9)	7.5	(3.5 - 11.5)
10th Grade	34.0	(22.0 - 46.0)	11.3	(4.8 - 17.7)
11th Grade	13.9	(7.6 - 20.2)	13.9	(8.0 - 19.8)
12th Grade	30.2	(10.7 - 49.8)	38.5	(32.0 - 45.0)

About a quarter of AI-NM current cigarette smokers reported that the method they use to obtain cigarettes was at a store (22.8%). Not surprisingly, there appears to be an increased prevalence of purchasing cigarettes at a store with increased grade level among high school students.

**Table 8.6**  
**Current cigarette smokers who smoked on school property (past 30 days)**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	27.3	(20.1 - 34.4)	34.4	(31.5 - 37.3)
<b>Gender</b>				
Male	22.8	(16.1 - 29.5)	35.1	(30.8 - 39.3)
Female	33.1	(20.4 - 45.7)	33.5	(27.8 - 39.1)
<b>Grade</b>				
9th Grade	31.7	(18.9 - 44.5)	36.1	(29.4 - 42.8)
10th Grade	21.6	(14.1 - 29.1)	39.5	(33.4 - 45.6)
11th Grade	32.9	(25.2 - 40.6)	35.6	(31 - 40.1)
12th Grade	24.3	(15.6 - 33.1)	24.7	(18.7 - 30.7)

More than one quarter of AI-NM current cigarette smokers (27.3%) smoked on high school property during the past 30 days. The prevalence of cigarette smoking on school property did not differ significantly by race/ethnicity or by grade level. However, the prevalence of cigarette smoking on school property is significantly lower among AI-NM males (22.8%) compared to all NM high school males (35.1%).

**Table 8.7**  
**Current use of spit tobacco\* (past 30 days)**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	9.0	(7.2 - 10.8)	9.2	(8.3 - 10.0)
<b>Gender</b>				
Male	13.4	(9.9 - 16.9)	14.1	(12.6 - 15.5)
Female	4.5	(3.3 - 5.6)	4.0	(3.2 - 4.8)
<b>Grade</b>				
9th Grade	8.9	(6.0 - 11.9)	6.7	(5.7 - 7.7)
10th Grade	8.4	(6.5 - 10.3)	9.0	(7.5 - 10.5)
11th Grade	10.3	(6.4 - 14.3)	10.6	(8.7 - 12.4)
12th Grade	8.7	(4.3 - 13.0)	11.2	(9.3 - 13.2)

\*Chewing tobacco, snuff or dip

AI-NM male high school students (13.4%) were almost three times more likely to use spit tobacco than AI-NM female high school students (4.5%). Current use of spit tobacco in the past 30 days did not differ significantly by race/ethnicity or by grade level.



**Table 8.8**  
**Current use of cigar/cigarillo (past 30 days)**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	11.1	(9.0 - 13.3)	13.4	(12.0 - 14.7)
<b>Gender</b>				
Male	14.6	(11.4 - 17.7)	17.0	(15.2 - 18.8)
Female	7.6	(5.0 - 10.3)	9.5	(8.1 - 10.9)
<b>Grade</b>				
9th Grade	10.1	(7.1 - 13.2)	9.5	(8.2 - 10.8)
10th Grade	12.9	(8.4 - 17.5)	13.6	(11.3 - 15.9)
11th Grade	11.3	(7.6 - 14.9)	15.1	(12.3 - 17.9)
12th Grade	9.0	(5.7 - 12.4)	16.4	(14.0 - 18.9)

More than 1 in 10 AI-NM high school students (11.1%) smoked cigars, cigarillos, or little cigars in the past 30 days. Significantly more AI-NM males (14.6%) currently use cigars/cigarillos than AI-NM females (7.6%). Significant differences were not observed by race/ethnicity or grade level.

**Table 8.9**  
**Current hookah use for tobacco (past 30 days)**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	15.0	(12.3 - 17.6)	22.2	(20.7 - 23.7)
<b>Gender</b>				
Male	16.2	(12.5 - 19.8)	22.8	(20.9 - 24.7)
Female	13.8	(10.5 - 17.0)	21.5	(19.7 - 23.3)
<b>Grade</b>				
9th Grade	13.8	(10.6 - 16.9)	17.8	(15.7 - 20.0)
10th Grade	16.9	(12.4 - 21.4)	21.6	(19.4 - 23.8)
11th Grade	14.8	(10.6 - 18.9)	25.5	(23.2 - 27.9)
12th Grade	14.4	(9.2 - 19.5)	25.1	(21.8 - 28.4)

More than 1 in 7 (15%) of AI-NM high school students used a hookah for tobacco in the past 30 days. This rate did not vary significantly by gender or grade, but was significantly lower than all NM high school students (22.2%).

**Table 8.10**  
**Tried to quit smoking among current smokers\***

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	51.3	(44.9 - 57.6)	48.2	(44.9 - 51.6)
<b>Gender</b>				
Male	53.9	(43.5 - 64.2)	48.4	(43.5 - 53.3)
Female	47.9	(37.5 - 58.2)	48.1	(43.3 - 53)
<b>Grade</b>				
9th Grade	59.8	(47.3 - 72.3)	49.5	(43.5 - 55.5)
10th Grade	50.4	(40.2 - 60.6)	47.4	(40.1 - 54.7)
11th Grade	38.9	(30.5 - 47.4)	44.4	(38.8 - 50.0)
12th Grade	56.6	(34.2 - 79.1)	51.9	(44.4 - 59.5)

*\*In the past 12 months*

Approximately half of AI-NM high school students who are current smokers (51.3%) tried to quit smoking in the past 12 months. Assisting youth in successfully quitting commercial tobacco use may therefore be an important public health intervention.

## SECONDHAND SMOKE

**Table 9.1**  
**In the same room with someone who was smoking cigarettes (past 7 days)**

	AI-NM (%)		NM (%)	
	Percent	95% CI	Percent	95% CI
Overall	28.7	(24.7 - 32.8)	42.6	(40.9 - 44.2)
<b>Gender</b>				
Male	29.4	(23.1 - 35.8)	39.9	(38.0 - 41.9)
Female	27.9	(24.4 - 31.5)	45.3	(42.4 - 48.2)
<b>Grade</b>				
9th Grade	24.2	(20.8 - 27.7)	41.3	(36.8 - 45.7)
10th Grade	31.6	(26.7 - 36.6)	42.0	(39.5 - 44.5)
11th Grade	31.4	(23.5 - 39.2)	43.9	(41.2 - 46.7)
12th Grade	29.3	(22.2 - 36.4)	43.0	(39.5 - 46.4)

More than 1 in 4 AI-NM high school students (28.7%) were exposed to second hand smoke in the past 7 days. The prevalence of AI-NM high school students who were in the same room with someone who was smoking cigarettes in the past 7 days was significantly lower than the all-race NM high school student population (42.6%).



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