

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

**Total
Injury and Violence**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †											
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017														
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)														80.5	75.3	Decreased, 2015-2017	Not available [§]	Decreased									
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)														21.3	16.2	14.1	11.0	9.1	11.1	7.3	7.2	5.1	4.4	Decreased, 1999-2017	No quadratic change	No change	
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)														34.9	36.4	31.7	27.5	25.6	24.8						Decreased, 2007-2017	No quadratic change	No change
QN12: Percentage of students who were ever bullied on school property														50.4	52.2	47.7	43.8						Decreased, 2011-2017	Not available	Decreased		

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Total Injury and Violence														Linear Change*	Quadratic Change*	Change from 2015-2017 †
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)																
								25.8	27.7	27.8	24.7			No linear change	Not available [§]	No change
QN14: Percentage of students who ever seriously thought about killing themselves																
							17.5	20.7	19.2	17.8	19.8	19.2		No linear change	No quadratic change	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves																
							10.9	12.3	11.5	12.5	13.0	13.2		No linear change	No quadratic change	No change
QN16: Percentage of students who ever tried to kill themselves																
							5.9	6.0	5.0	5.1	7.2	6.3		No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Total Tobacco Use	Health Risk Behavior and Percentages												Linear Change*	Quadratic Change*	Change from 2015-2017 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)	43.6	38.0	32.9	31.6	23.4	21.1	17.7	17.0	16.2	10.9	Decreased, 1999-2017	No quadratic change	Decreased		
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	13.4	10.0	9.5	8.9	5.7	7.3	5.6	4.2	3.6	2.9	Decreased, 1999-2017	No quadratic change	No change		
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	4.6	3.2	2.8	1.9	2.2	1.8	1.4	1.1	0.6	0.4	Decreased, 1999-2017	No quadratic change	No change		
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	2.9	2.4	1.8	1.4	1.2	1.1	1.0	0.7	0.5	0.2	Decreased, 1999-2017	No quadratic change	No change		

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Total Tobacco Use														Linear Change*	Quadratic Change*	Change from 2015-2017 †								
Health Risk Behavior and Percentages																								
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017											
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])														15.5	13.1	Decreased, 2015-2017	Not available [§]	No change						
QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)														4.1	3.8	3.3	2.9	2.7	2.1	1.5	2.0	Decreased, 2003-2017	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Total
Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)													Decreased, 2011-2017	Not available [§]	No change	
								28.2	24.8	21.0	19.2					
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													Decreased, 2007-2017	No quadratic change	No change	
								9.9	12.1	8.3	7.2	6.5	6.1			
QN29: Percentage of students who tried marijuana for the first time before age 11 years													Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	No change	
								1.9	2.3	2.4	2.9	1.9	1.7			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Total
Sexual Behaviors

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN34: Percentage of students who ever had sexual intercourse

8.8 8.0 5.2 5.1 Decreased, 2011-2017 Not available[§] No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Total														Linear Change*	Quadratic Change*	Change from 2015-2017 †
Weight Management and Dietary Behaviors																
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight																
				33.0	32.3	31.5	29.8	27.2	26.7	27.1	26.8	27.0	28.5	Decreased, 1999-2017	Decreased, 1999-2009 No change, 2009-2017	No change
QN39: Percentage of students who were trying to lose weight																
				43.9	46.2	47.6	46.2	44.1	45.7	45.2	45.9	41.7	41.1	Decreased, 1999-2017	No change, 1999-2013 Decreased, 2013-2017	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)																
									7.3	8.2	8.2	9.2	9.2	Increased, 2009-2017	Not available [§]	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																
									48.2	48.3	46.4	45.8	45.1	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Total Physical Activity	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017
QN41: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								63.1	62.0	60.0	63.7	63.3	62.8	No linear change	No quadratic change	No change	
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								5.0	5.5	4.3	4.9	4.1	5.8	No linear change	No quadratic change	Increased	
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								35.7	34.6	31.7	33.4	34.6	36.7	No linear change	Decreased, 2007-2011 Increased, 2011-2017	No change	
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)					39.0	30.2	30.9	31.2	30.2	33.1	29.8	27.1	22.9	20.6	Decreased, 1999-2017	Decreased, 1999-2011 Decreased, 2011-2017	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

**Total
Physical Activity**

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

**Change from
2015-2017 †**

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)

21.8 25.0 29.5 33.9 41.8 43.8 Increased, 2007-2017 No quadratic change No change

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Total Other	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)																
											76.4	74.7	73.1	74.5	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017
QN50: Percentage of students who were in a physical fight on school property (during the 12 months before the survey)								13.2	13.8	11.4	10.2	7.5	7.8	Decreased, 2007-2017	No quadratic change	No change	
QN53: Percentage of students who ever had 5 or more drinks of alcohol in a row (within a couple of hours)												6.4	8.1	No linear change	Not available [§]	No change	
QN54: Percentage of students who ever used marijuana (one or more times during their life)												8.3	8.2	No linear change	Not available	No change	
QN55: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)						13.3	13.0	11.9	7.7	6.7	6.2	6.1	6.4	6.0	Decreased, 2001-2017	Decreased, 2001-2011 No change, 2011-2017	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
	QN56: Percentage of students who did not eat vegetables (not counting french fries, fried potatoes, or potato chips, one or more times during the 7 days before the survey)															
							8.5	10.1	8.7	9.0	9.6	10.4		No linear change	No quadratic change	No change
	QN57: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)															
								3.2	2.6	2.9	2.5	2.2		Decreased, 2009-2017	Not available [§]	No change
	QN60: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)															
							70.3	72.0	74.9	74.6	72.1	76.7		Increased, 2007-2017	No quadratic change	Increased
	QN61: Percentage of students who brushed their teeth on seven days (during the 7 days before the survey)															
									66.4	65.0	63.1	63.3		Decreased, 2011-2017	Not available	No change

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†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017
QN62: Percentage of students who most of the time or always wear sunscreen (with an SPF of 15 or higher when they are outside for more than one hour on a sunny day)																	
												17.9	18.5	22.8	Increased, 2013-2017	Not available [§]	Increased
QN63: Percentage of students who had a sunburn (counting even a small part of the skin turning red or hurting for 12 hours or more after being outside in the sun or after using a sunlamp or other indoor tanning device, one or more times during the 12 months before the survey)																	
													59.1	62.8	Increased, 2015-2017	Not available	No change
QN67: Percentage of students who would most likely talk with their parent or other adult family member about their feelings (among students who report having felt sad, empty, hopeless, angry, or anxious)																	
												33.3	34.6	No linear change	Not available	No change	
QN68: Percentage of students who participate in school activities one or more hours (such as sports, band, drama, or clubs, during an average week when they are in school)																	
												78.9	79.0	No linear change	Not available	No change	

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Male
Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)																	
												81.2	79.6	No linear change	Not available [§]	No change	
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)																	
				27.5	19.3	17.6	11.8	11.6	12.6	9.1	9.7	5.7	5.3	Decreased, 1999-2017	No quadratic change	No change	
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)																	
								31.6	34.9	29.4	25.1	24.7	22.0	Decreased, 2007-2017	No quadratic change	No change	
QN12: Percentage of students who were ever bullied on school property																	
											49.0	49.5	41.4	40.0	Decreased, 2011-2017	Not available	No change
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)																	
											15.9	17.2	17.8	15.6	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Male
Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN14: Percentage of students who ever seriously thought about killing themselves													No linear change	No quadratic change	No change	
							13.0	14.7	14.9	12.2	11.9	12.2				
QN15: Percentage of students who ever made a plan about how they would kill themselves													Decreased, 2007-2017	No quadratic change	No change	
							8.7	10.4	9.2	9.1	8.3	7.6				
QN16: Percentage of students who ever tried to kill themselves													No linear change	No quadratic change	No change	
							4.7	4.2	4.1	3.7	4.0	3.8				

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Male
Tobacco Use

Health Risk Behavior and Percentages												Linear Change*	Quadratic Change*	Change from 2015-2017 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)																
				43.6	41.8	34.6	30.3	24.4	22.4	17.7	19.3	17.3	9.8	Decreased, 1999-2017	No quadratic change	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																
				11.9	10.1	7.5	7.3	4.9	7.4	4.5	4.1	2.8	2.0	Decreased, 1999-2017	No quadratic change	No change
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																
				4.6	3.4	2.9	1.3	2.5	2.0	1.4	1.2	0.7	0.2	Decreased, 1999-2017	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																
				3.0	2.5	1.9	0.9	1.8	1.2	0.9	0.7	0.5	0.2	Decreased, 1999-2017	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Male Tobacco Use													Linear Change*	Quadratic Change*	Change from 2015-2017 †								
Health Risk Behavior and Percentages																							
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017										
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])													15.0	13.1	No linear change	Not available [§]	No change						
QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)													4.0	4.5	4.4	3.4	3.8	2.5	1.9	1.9	Decreased, 2003-2017	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Male													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
Alcohol and Other Drug Use																
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)													Decreased, 2011-2017	Not available [§]	No change	
								29.4	26.5	20.6	18.7					
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													Decreased, 2007-2017	No quadratic change	No change	
								12.4	14.4	10.8	9.6	6.9	7.7			
QN29: Percentage of students who tried marijuana for the first time before age 11 years													Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	No change	
								2.6	2.6	3.2	3.8	1.9	2.2			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Male Sexual Behaviors														Linear Change*	Quadratic Change*	Change from 2015-2017 †
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN34: Percentage of students who ever had sexual intercourse																
										9.5	9.6	5.6	5.9	Decreased, 2011-2017	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Male														Linear Change*	Quadratic Change*	Change from 2015-2017 †	
Weight Management and Dietary Behaviors																	
Health Risk Behavior and Percentages																	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN38: Percentage of students who described themselves as slightly or very overweight																	
				28.1	29.3	26.5	27.2	25.7	26.9	26.6	23.9	24.0	27.0	Decreased, 1999-2017	No quadratic change	No change	
QN39: Percentage of students who were trying to lose weight																	
				29.1	34.1	35.5	37.5	32.9	36.8	35.0	35.5	30.2	33.6	No linear change	Increased, 1999-2003 No change, 2003-2017	No change	
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)																	
									6.5	6.7	7.0	6.7	8.9	No linear change	Not available [§]	No change	
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																	
										53.2	54.5	50.3	48.2	51.6	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Male																	
Physical Activity																	
Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN41: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)																	
								66.6	65.7	63.0	68.5	66.6	68.1	No linear change	No quadratic change	No change	
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)																	
								5.4	5.1	4.7	4.2	4.0	5.5	No linear change	No quadratic change	No change	
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)																	
								41.4	38.7	38.1	38.8	39.9	45.1	Increased, 2007-2017	No change, 2007-2013 Increased, 2013-2017	Increased	
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)																	
				43.5	33.1	34.3	34.2	30.2	35.5	31.2	28.3	23.9	21.4	Decreased, 1999-2017	No quadratic change	No change	

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Male														Linear Change*	Quadratic Change*	Change from 2015-2017 †
Physical Activity																
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)																
							26.5	30.1	36.4	37.2	42.2	41.0		Increased, 2007-2017	Increased, 2007-2011 Increased, 2011-2017	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Male Other	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)																
											72.6	69.6	67.5	70.1	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

**Male
Site-Added**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN50: Percentage of students who were in a physical fight on school property (during the 12 months before the survey)													Decreased, 2007-2017	No quadratic change	No change	
							19.3	21.6	16.7	14.7	10.8	10.7				
QN53: Percentage of students who ever had 5 or more drinks of alcohol in a row (within a couple of hours)													No linear change	Not available [§]	No change	
											5.9	8.0				
QN54: Percentage of students who ever used marijuana (one or more times during their life)													No linear change	Not available	No change	
											8.9	7.7				
QN55: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)													Decreased, 2001-2017	Decreased, 2001-2011 No change, 2011-2017	No change	
					15.5	14.5	13.0	9.8	7.9	6.7	7.2	8.4	7.2			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Male Site-Added													Linear Change*	Quadratic Change*	Change from 2015-2017 †		
Health Risk Behavior and Percentages																	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN56: Percentage of students who did not eat vegetables (not counting french fries, fried potatoes, or potato chips, one or more times during the 7 days before the survey)													No linear change	No quadratic change	No change		
									10.2	11.5	9.3	10.2	11.4	12.5			
QN57: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)													Decreased, 2009-2017	Not available [§]	No change		
									4.3	3.1	2.6	2.4	1.9				
QN60: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)													Increased, 2007-2017	No quadratic change	Increased		
									70.2	68.8	74.0	72.6	68.2	74.9			
QN61: Percentage of students who brushed their teeth on seven days (during the 7 days before the survey)													Decreased, 2011-2017	Not available	No change		
										59.6	56.7	53.7	55.0				

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

Male Site-Added													Linear Change*	Quadratic Change*	Change from 2015-2017 †			
Health Risk Behavior and Percentages																		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017					
QN62: Percentage of students who most of the time or always wear sunscreen (with an SPF of 15 or higher when they are outside for more than one hour on a sunny day)													12.9	14.8	17.7	Increased, 2013-2017	Not available [§]	No change
QN63: Percentage of students who had a sunburn (counting even a small part of the skin turning red or hurting for 12 hours or more after being outside in the sun or after using a sunlamp or other indoor tanning device, one or more times during the 12 months before the survey)													55.9	59.0		No linear change	Not available	No change
QN67: Percentage of students who would most likely talk with their parent or other adult family member about their feelings (among students who report having felt sad, empty, hopeless, angry, or anxious)													40.6	40.6		No linear change	Not available	No change
QN68: Percentage of students who participate in school activities one or more hours (such as sports, band, drama, or clubs, during an average week when they are in school)													76.3	77.4		No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Female
Injury and Violence

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017						
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)																			
								79.9	72.0	Decreased, 2015-2017		Not available [§]		Decreased					
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)																			
	14.6	13.1	10.5	10.2	6.2	9.5	5.4	4.5	4.4	3.3	Decreased, 1999-2017		No quadratic change		No change				
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)																			
							38.3	38.0	34.1	30.1	26.5	27.9	Decreased, 2007-2017		No quadratic change		No change		
QN12: Percentage of students who were ever bullied on school property																			
										51.8	55.1	54.3	47.7	No linear change		Not available		Decreased	
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)																			
										36.2	38.9	38.1	34.1	No linear change		Not available		No change	

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Female
Injury and Violence

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN14: Percentage of students who ever seriously thought about killing themselves														No linear change	No quadratic change	No change
							22.4	27.0	23.7	23.6	28.0	26.3				
QN15: Percentage of students who ever made a plan about how they would kill themselves														Increased, 2007-2017	No quadratic change	No change
							13.4	14.2	13.8	16.2	17.8	18.9				
QN16: Percentage of students who ever tried to kill themselves														No linear change	No quadratic change	No change
							7.2	7.8	5.9	6.6	10.5	8.9				

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

**Female
Tobacco Use**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)																
				43.5	34.3	31.2	32.9	22.2	19.6	17.6	14.6	15.0	12.0	Decreased, 1999-2017	No quadratic change	No change
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																
				14.8	9.9	11.6	10.5	6.5	7.3	6.8	4.3	4.3	3.7	Decreased, 1999-2017	No quadratic change	No change
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																
				4.4	3.0	2.8	2.6	2.0	1.6	1.4	0.9	0.6	0.5	Decreased, 1999-2017	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																
				2.7	2.2	1.7	1.9	0.5	1.0	1.0	0.7	0.5	0.2	Decreased, 1999-2017	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Female
Tobacco Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])																
												15.9	13.1	No linear change	Not available [§]	No change
QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)																
						4.1	2.9	2.2	2.5	1.5	1.7	1.2	1.8	Decreased, 2003-2017	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Female

Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)													Decreased, 2011-2017	Not available [§]	No change	
								26.8	22.8	21.3	19.5					
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													Decreased, 2007-2017	No quadratic change	No change	
								7.0	9.8	5.7	4.7	6.0	4.6			
QN29: Percentage of students who tried marijuana for the first time before age 11 years													No linear change	No quadratic change	No change	
								1.1	1.9	1.5	1.9	1.9	1.2			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Female
Sexual Behaviors

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN34: Percentage of students who ever had sexual intercourse																
										7.9	6.3	4.7	4.2	Decreased, 2011-2017	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Female

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †						
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017								
QN38: Percentage of students who described themselves as slightly or very overweight																					
				38.0	35.5	36.8	32.5	28.8	26.5	27.7	30.0	30.0	30.1	Decreased, 1999-2017	Decreased, 1999-2009 No change, 2009-2017	No change					
QN39: Percentage of students who were trying to lose weight																					
				59.5	58.3	60.3	55.6	56.2	54.9	56.0	56.9	53.5	49.0	Decreased, 1999-2017	No quadratic change	Decreased					
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)																					
										8.1	9.8	9.4	11.6	9.4	No linear change	Not available [§]	No change				
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																					
														43.1	41.9	42.3	43.4	38.5	No linear change	Not available	Decreased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Female
Physical Activity

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN41: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)														No linear change	No quadratic change	No change
								59.3	58.2	57.0	58.7	59.9	57.7			
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)														No linear change	No quadratic change	No change
								4.4	5.9	3.7	5.5	4.2	5.8			
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)														No linear change	No quadratic change	No change
								29.7	30.4	25.0	27.8	29.3	28.2			
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)														Decreased, 1999-2017	No change, 1999-2011 Decreased, 2011-2017	No change
				34.3	27.0	27.4	28.0	30.2	30.7	28.4	25.7	21.7	19.6			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Female
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)

16.7 19.8 22.2 30.3 41.4 46.7 Increased, 2007-2017 No quadratic change Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Female Other	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)																
											80.3	80.2	78.9	79.2	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

**Female
Site-Added**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN50: Percentage of students who were in a physical fight on school property (during the 12 months before the survey)													Decreased, 2007-2017	No quadratic change	No change	
							6.7	5.6	5.8	5.5	3.9	4.6				
QN53: Percentage of students who ever had 5 or more drinks of alcohol in a row (within a couple of hours)													No linear change	Not available [§]	No change	
											6.9	7.9				
QN54: Percentage of students who ever used marijuana (one or more times during their life)													No linear change	Not available	No change	
											7.6	8.3				
QN55: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)													Decreased, 2001-2017	No quadratic change	No change	
					11.1	11.5	10.8	5.3	5.5	5.7	4.9	4.2	4.7			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

**Female
Site-Added**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †						
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017								
QN56: Percentage of students who did not eat vegetables (not counting french fries, fried potatoes, or potato chips, one or more times during the 7 days before the survey)													6.5	8.5	7.9	7.7	7.5	8.3	No linear change	No quadratic change	No change
QN57: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)													2.1	2.1	3.2	2.6	2.5	No linear change	Not available [§]	No change	
QN60: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)													70.5	75.3	76.0	76.8	76.3	78.5	Increased, 2007-2017	No quadratic change	No change
QN61: Percentage of students who brushed their teeth on seven days (during the 7 days before the survey)													73.6	73.9	72.9	72.1	No linear change	Not available	No change		

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Female
Site-Added

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN62: Percentage of students who most of the time or always wear sunscreen (with an SPF of 15 or higher when they are outside for more than one hour on a sunny day)																
											23.1	22.4	28.1	Increased, 2013-2017	Not available [§]	Increased
QN63: Percentage of students who had a sunburn (counting even a small part of the skin turning red or hurting for 12 hours or more after being outside in the sun or after using a sunlamp or other indoor tanning device, one or more times during the 12 months before the survey)																
												62.5	66.7	Increased, 2015-2017	Not available	No change
QN67: Percentage of students who would most likely talk with their parent or other adult family member about their feelings (among students who report having felt sad, empty, hopeless, angry, or anxious)																
												27.0	29.7	No linear change	Not available	No change
QN68: Percentage of students who participate in school activities one or more hours (such as sports, band, drama, or clubs, during an average week when they are in school)																
												81.5	80.8	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White*
Injury and Violence

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)																	
								80.4	74.4	Decreased, 2015-2017	Not available [¶]	Decreased					
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)																	
	19.9	14.2	12.8	9.0	7.3	9.3	5.3	5.5	4.4	2.6	Decreased, 1999-2017	No quadratic change	Decreased				
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)																	
							34.3	36.0	30.0	26.5	24.8	24.8	Decreased, 2007-2017	No quadratic change	No change		
QN12: Percentage of students who were ever bullied on school property																	
										51.3	52.0	47.8	43.5	Decreased, 2011-2017	Not available	Decreased	
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)																	
										25.7	27.0	26.3	25.2	No linear change	Not available	No change	

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White*
Injury and Violence

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN14: Percentage of students who ever seriously thought about killing themselves													No linear change	No quadratic change	No change	
						16.2	20.1	17.4	16.0	18.1	17.6					
QN15: Percentage of students who ever made a plan about how they would kill themselves													No linear change	No quadratic change	No change	
						10.2	11.6	10.3	10.5	10.8	11.5					
QN16: Percentage of students who ever tried to kill themselves													No linear change	No quadratic change	No change	
						4.6	5.0	4.1	3.5	5.2	4.7					

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

**White*
Tobacco Use**

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)													Decreased, 1999-2017	No quadratic change	Decreased	
				40.9	34.2	28.3	26.9	18.8	16.5	13.1	12.5	13.0	6.9			
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													Decreased, 1999-2017	No quadratic change	No change	
				11.6	7.6	6.4	7.0	3.5	5.3	3.4	2.3	2.3	1.8			
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													Decreased, 1999-2017	No quadratic change	Decreased	
				3.4	2.3	1.7	1.4	1.1	1.1	0.9	0.5	0.5	0.2			
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													Decreased, 1999-2017	No quadratic change	No change	
				1.9	1.7	1.1	1.1	0.7	0.7	0.5	0.4	0.5	0.1			

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2015-2017[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])

12.7 10.2 No linear change Not available[¶] No change

QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)

3.2 3.1 2.2 2.2 1.8 1.2 1.0 1.2 Decreased, 2003-2017 No quadratic change No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)													Decreased, 2011-2017	Not available [¶]	No change	
								24.9	21.4	19.2	17.0					
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													Decreased, 2007-2017	No quadratic change	No change	
								9.0	11.5	7.2	6.2	5.8	5.8			
QN29: Percentage of students who tried marijuana for the first time before age 11 years													No linear change	Increased, 2007-2013 Decreased, 2013-2017	Decreased	
								0.9	0.9	1.4	1.7	1.1	0.4			

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White*
Sexual Behaviors

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2015-2017[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN34: Percentage of students who ever had sexual intercourse

6.4 5.4 3.8 4.7 Decreased, 2011-2017 Not available[¶] No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

White*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight																
				32.8	32.2	30.9	28.9	26.6	26.5	26.7	26.1	25.7	26.6	Decreased, 1999-2017	Decreased, 1999-2007 No change, 2007-2017	No change
QN39: Percentage of students who were trying to lose weight																
				44.2	45.7	47.1	44.8	43.6	44.5	44.6	44.4	39.4	38.0	Decreased, 1999-2017	No change, 1999-2013 Decreased, 2013-2017	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)																
									6.6	7.4	7.5	7.6	8.7	Increased, 2009-2017	Not available [¶]	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																
									49.7	50.1	47.8	47.9	48.4	No linear change	Not available	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

White*

Physical Activity

Health Risk Behavior and Percentages														Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN41: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)														Increased, 2007-2017	No quadratic change	No change
64.3	63.1	62.4	64.8	67.1	67.0											
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)														No linear change	No quadratic change	No change
4.3	4.8	3.4	4.3	3.4	4.6											
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)														Increased, 2007-2017	No change, 2007-2013 Increased, 2013-2017	No change
35.8	34.5	33.1	33.1	37.2	39.4											
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)														Decreased, 1999-2017	Decreased, 1999-2009 Decreased, 2009-2017	Decreased
38.7	28.2	30.3	30.6	30.6	32.2	27.1	25.1	22.3	18.7							

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White*

Physical Activity

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2015-2017[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)

21.0 24.8 26.2 31.4 39.4 42.4 Increased, 2007-2017 No quadratic change No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White* Other	Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)													No linear change	Not available [¶]	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

White*
Site-Added

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN50: Percentage of students who were in a physical fight on school property (during the 12 months before the survey)													Decreased, 2007-2017	No quadratic change	No change	
							12.1	12.3	10.1	7.5	6.2	6.6				
QN53: Percentage of students who ever had 5 or more drinks of alcohol in a row (within a couple of hours)													No linear change	Not available [¶]	No change	
											5.1	7.1				
QN54: Percentage of students who ever used marijuana (one or more times during their life)													No linear change	Not available	No change	
											4.6	4.1				
QN55: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)													Decreased, 2001-2017	No quadratic change	No change	
					12.3	13.3	12.1	7.0	6.3	5.6	6.0	5.9	5.3			

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

White*
Site-Added

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]								
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017										
QN56: Percentage of students who did not eat vegetables (not counting french fries, fried potatoes, or potato chips, one or more times during the 7 days before the survey)													7.0	9.3	7.1	8.0	8.4	9.3	No linear change		No quadratic change		No change
QN57: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)													2.8	2.2	2.5	2.2	1.5	Decreased, 2009-2017		Not available [¶]		No change	
QN60: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)													73.0	75.6	77.1	77.2	75.5	81.0	Increased, 2007-2017		No quadratic change		Increased
QN61: Percentage of students who brushed their teeth on seven days (during the 7 days before the survey)													66.7	66.7	64.3	65.2	No linear change		Not available		No change		

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

White*
Site-Added

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN62: Percentage of students who most of the time or always wear sunscreen (with an SPF of 15 or higher when they are outside for more than one hour on a sunny day)													Increased, 2013-2017	Not available [¶]	Increased	
								19.8				19.4	27.0			
QN63: Percentage of students who had a sunburn (counting even a small part of the skin turning red or hurting for 12 hours or more after being outside in the sun or after using a sunlamp or other indoor tanning device, one or more times during the 12 months before the survey)													Increased, 2015-2017	Not available	Increased	
												66.7	70.5			
QN67: Percentage of students who would most likely talk with their parent or other adult family member about their feelings (among students who report having felt sad, empty, hopeless, angry, or anxious)													No linear change	Not available	No change	
												35.0	36.1			
QN68: Percentage of students who participate in school activities one or more hours (such as sports, band, drama, or clubs, during an average week when they are in school)													No linear change	Not available	No change	
												81.6	81.5			

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

**Hispanic
Injury and Violence**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)													Decreased, 2009-2017	Not available [§]	No change	
							23.3	23.5	12.7	9.8	6.6					
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)													Decreased, 2009-2017	Not available	Decreased	
							42.1	30.1	25.5	27.0	17.2					
QN12: Percentage of students who were ever bullied on school property													No linear change	Not available	No change	
							43.3	52.2	43.4	45.6						
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													No linear change	Not available	No change	
							32.1	33.2	29.4	22.3						
QN14: Percentage of students who ever seriously thought about killing themselves													No linear change	Not available	No change	
							25.4	27.6	27.8	28.7	20.9					

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic
Injury and Violence

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN15: Percentage of students who ever made a plan about how they would kill themselves																
									14.2	19.2	24.0	24.8	18.5	No linear change	Not available [§]	No change
QN16: Percentage of students who ever tried to kill themselves																
									10.9	8.5	8.7	13.9	11.7	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic
Tobacco Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)																
											32.4	23.1	15.7	Decreased, 2013-2017	Not available [§]	No change
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																
								17.5	16.5	10.7	5.4	2.5	Decreased, 2009-2017	Not available	No change	
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																
								6.1	3.2	4.2	0.6	1.1	No linear change	Not available	No change	
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																
								6.1	1.0	3.5	0.6	0.6	No linear change	Not available	No change	

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Hispanic
Tobacco Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])																
												22.6	20.5	No linear change	Not available [§]	No change
QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)																
								11.6	8.9	11.3	2.5	5.6	Decreased, 2009-2017	Not available	No change	

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)														No linear change	Not available [§]	No change
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)														Decreased, 2013-2017	Not available	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years														No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic
Sexual Behaviors

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN34: Percentage of students who ever had sexual intercourse

22.9 10.5 8.1 Decreased, 2013-2017 Not available‡ No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

‡Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight														No linear change	Not available [§]	No change
QN39: Percentage of students who were trying to lose weight														No linear change	Not available	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)														No linear change	Not available	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)														No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Hispanic
Physical Activity

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN41: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													No linear change	Not available [§]	No change	
								64.9	49.5	61.3	53.3	55.0				
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													No linear change	Not available	No change	
								7.0	10.6	6.9	10.8	8.2				
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													No linear change	Not available	No change	
								40.4	24.1	34.3	26.8	32.7				
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)													Decreased, 2009-2017	Not available	No change	
								39.8	37.8	30.5	22.3	28.7				

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)

33.6 41.7 38.7 47.3 48.8 Increased, 2009-2017 Not available‡ No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

‡Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic
Other

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

62.9 61.2 58.3

No linear change

Not available[§]

No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey
Trend Analysis Report

Hispanic
Site-Added

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN50: Percentage of students who were in a physical fight on school property (during the 12 months before the survey)																
								18.8	23.1	23.2	16.1	12.8		Decreased, 2009-2017	Not available [§]	No change
QN53: Percentage of students who ever had 5 or more drinks of alcohol in a row (within a couple of hours)																
											15.8	8.4		Decreased, 2015-2017	Not available	Decreased
QN54: Percentage of students who ever used marijuana (one or more times during their life)																
											21.8	13.4		Decreased, 2015-2017	Not available	Decreased
QN55: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)																
							7.0	11.1	8.9	6.7	5.0			No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey Trend Analysis Report

**Hispanic
Site-Added**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †								
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017											
QN56: Percentage of students who did not eat vegetables (not counting french fries, fried potatoes, or potato chips, one or more times during the 7 days before the survey)														11.2	14.3	13.1	14.2	13.2				No linear change	Not available [§]	No change
QN57: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)														7.2	2.2	1.4	5.2	5.2				No linear change	Not available	No change
QN60: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)														53.9	62.1	62.6	61.5	61.7				No linear change	Not available	No change
QN61: Percentage of students who brushed their teeth on seven days (during the 7 days before the survey)														60.6	66.4	68.6	59.7				No linear change	Not available	No change	

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

North Dakota Middle School Survey

Trend Analysis Report

Hispanic
Site-Added

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017					
QN62: Percentage of students who most of the time or always wear sunscreen (with an SPF of 15 or higher when they are outside for more than one hour on a sunny day)													14.5	16.4	11.4	No linear change	Not available [§]	No change
QN63: Percentage of students who had a sunburn (counting even a small part of the skin turning red or hurting for 12 hours or more after being outside in the sun or after using a sunlamp or other indoor tanning device, one or more times during the 12 months before the survey)													37.6	42.2		No linear change	Not available	No change
QN67: Percentage of students who would most likely talk with their parent or other adult family member about their feelings (among students who report having felt sad, empty, hopeless, angry, or anxious)													23.2	32.9		No linear change	Not available	No change
QN68: Percentage of students who participate in school activities one or more hours (such as sports, band, drama, or clubs, during an average week when they are in school)													71.5	67.0		No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.