

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

**Total
Injury and Violence**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN8: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle during the 12 months before the survey)															
94.5	92.0	87.5	86.8	85.1	83.4	82.3	83.8	82.7	81.2	80.1	80.3	Decreased, 1993-2015	Decreased, 1993-2001 Decreased, 2001-2015	No change	
QN9: Percentage of students who rarely or never wore a seat belt (when riding in a car driven by someone else)															
30.0	31.9	32.0	23.1	19.8	17.8	13.9	14.2	13.1	11.2	10.1	9.5	Decreased, 1993-2015	No quadratic change	No change	
QN10: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle one or more times during the 30 days before the survey)															
45.9	48.1	46.6	43.1	39.3	36.9	34.4	32.9	28.8	26.1	24.5	23.0	Decreased, 1993-2015	No change, 1993-1997 Decreased, 1997-2015	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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1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN11: Percentage of students who drove when drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey)													No linear change	Not available [§]	No change
						12.6					10.9				
QN12: Percentage of students who texted or e-mailed while driving a car or other vehicle (on at least 1 day during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey)													No linear change	Not available	No change
						55.8					54.6				
QN13: Percentage of students who carried a weapon (such as a gun, knife, or club on at least 1 day during the 30 days before the survey)													No linear change	Decreased, 1993-2003 Increased, 2003-2015	No change
25.6	22.6	23.8	20.3	21.4	19.4	21.4	22.1	23.0	23.5	25.7	26.4				
QN14: Percentage of students who carried a gun (on at least 1 day during the 30 days before the survey)													No linear change	Decreased, 1993-2007 Increased, 2007-2015	No change
12.3	9.4	9.8	8.6	9.0	8.7	9.0	7.8	9.2	9.0	10.5	11.1				

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§Not enough years of data to calculate.

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1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN15: Percentage of students who carried a weapon on school property (such as a gun, knife, or club on at least 1 day during the 30 days before the survey)															
13.7	12.4	12.4	9.2	8.7	7.2	10.2	9.7	7.9	9.3	9.9	10.6	Decreased, 1993-2015	Decreased, 1993-2003 Increased, 2003-2015	No change	
QN16: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)															
2.5	2.8	4.4	3.0	5.5	3.4	4.2	4.2	5.2	4.2	8.8	5.0	Increased, 1993-2015	No quadratic change	Decreased	
QN17: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club one or more times during the 12 months before the survey)															
6.7	6.3	7.1	6.5	8.5	7.1	8.0	7.0	7.4	7.5	6.3	5.5	No linear change	No change, 1993-2011 Decreased, 2011-2015	No change	
QN18: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey)															
41.9	34.5	32.2	32.1	31.6	28.6	30.5	32.8	31.7	25.4	22.8	22.4	Decreased, 1993-2015	No quadratic change	No change	

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Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN19: Percentage of students who were injured in a physical fight (one or more times during the 12 months before the survey; injuries had to be treated by a doctor or nurse)															
	3.1	3.9	2.9	3.7	3.6	3.4	3.6	3.7	4.9	2.7	2.3	2.3	Decreased, 1993-2015	No change, 1993-2007 Decreased, 2007-2015	No change
QN20: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)															
	17.2	14.4	13.6	12.7	12.2	10.3	10.9	12.0	10.8	9.1	7.3	7.6	Decreased, 1993-2015	No quadratic change	No change
QN21: Percentage of students who were ever physically forced to have sexual intercourse (when they did not want to)															
					8.8	9.8	10.2	8.8	9.2	9.8	8.7	8.7	No linear change	No quadratic change	No change
QN22: Percentage of students who experienced physical dating violence (one or more times during the 12 months before the survey, including being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with among students who dated or went out with someone during the 12 months before the survey)															
											8.8	8.2	No linear change	Not available [§]	No change

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Total
Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †							
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015										
QN23: Percentage of students who experienced sexual dating violence (one or more times during the 12 months before the survey, including kissing, touching, or being physically forced to have sexual intercourse when they did not want to by someone they were dating or going out with among students who dated or went out with someone during the 12 months before the survey)																						
											11.1	10.0	No linear change	Not available [§]	No change							
QN24: Percentage of students who were bullied on school property (during the 12 months before the survey)																						
											23.1	26.0	26.3	25.3	No linear change	Not available	No change					
QN25: Percentage of students who were electronically bullied (including being bullied through e-mail, chat rooms, instant messaging, websites, or texting during the 12 months before the survey)																						
											19.2	18.1	18.5	No linear change	Not available	No change						
QN26: Percentage of students who felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey)																						
											25.9	26.6	26.4	25.6	25.8	27.3	25.2	26.4	29.3	No linear change	No quadratic change	Increased

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Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN27: Percentage of students who seriously considered attempting suicide (during the 12 months before the survey)															
	25.1	21.8	23.9	18.6	19.4	18.9	17.5	15.1	17.4	15.2	16.8	18.8	Decreased, 1993-2015	Decreased, 1993-2011 Increased, 2011-2015	Increased
QN28: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)															
	20.8	19.2	18.7	15.6	16.3	14.8	14.6	13.2	13.4	12.3	13.6	15.5	Decreased, 1993-2015	Decreased, 1993-2011 Increased, 2011-2015	Increased
QN29: Percentage of students who attempted suicide (one or more times during the 12 months before the survey)															
	8.9	8.5	8.4	6.7	10.4	9.7	10.3	7.9	7.7	6.5	7.9	8.9	Decreased, 1993-2015	No quadratic change	No change
QN30: Percentage of students who attempted suicide that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)															
	3.1	2.8	2.4	2.5	3.7	3.0	3.1	2.7	2.8	2.4	2.6	3.1	No linear change	No quadratic change	No change

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Total Tobacco Use															
Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN31: Percentage of students who ever tried cigarette smoking (even one or two puffs)															
69.7	72.8	73.4	70.3	66.5	61.0	55.4	52.1	50.0	44.0	41.1	39.1		Decreased, 1993-2015	No change, 1993-1999 Decreased, 1999-2015	No change
QN32: Percentage of students who smoked a whole cigarette before age 13 years (for the first time)															
26.7	26.0	26.1	24.7	25.0	20.7	17.6	14.7	12.3	11.1	9.8	8.0		Decreased, 1993-2015	No change, 1993-2001 Decreased, 2001-2015	No change
QN33: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)															
30.7	34.8	38.1	35.0	28.5	22.9	20.1	20.0	18.7	16.5	15.2	13.1		Decreased, 1993-2015	Increased, 1993-1997 Decreased, 1997-2015	No change
QNFRSIG: Percentage of students who currently frequently smoked cigarettes (on 20 or more days during the 30 days before the survey)															
12.7	16.8	19.3	18.0	14.9	10.8	8.8	8.1	7.9	6.4	5.5	3.6		Decreased, 1993-2015	Increased, 1993-1997 Decreased, 1997-2015	Decreased
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)															
9.0	11.7	13.8	13.0	10.6	7.9	5.9	5.2	5.9	4.7	3.7	2.2		Decreased, 1993-2015	Increased, 1993-1997 Decreased, 1997-2015	Decreased

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Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN34: Percentage of students who smoked more than 10 cigarettes per day (during the 30 days before the survey among students who currently smoked cigarettes on the days they smoked)															
	11.8	13.2	12.1	11.5	12.6	10.8	7.7	7.7	4.0	6.9	5.7	5.5	Decreased, 1993-2015	No change, 1993-2001 Decreased, 2001-2015	No change
QN36: Percentage of students who tried to quit smoking cigarettes (among students who currently smoked cigarettes during the 12 months before the survey)															
					65.6	60.9	60.4	55.0	54.6	56.2	52.6	50.0	Decreased, 2001-2015	No quadratic change	No change
QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, or dip on at least 1 day during the 30 days before the survey)															
		22.8	21.0	18.2	15.7	13.2	14.8	12.9	14.6	13.5	13.4	12.3	Decreased, 1995-2015	Decreased, 1995-2003 No change, 2003-2015	No change
QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars on at least 1 day during the 30 days before the survey)															
				20.4	14.8	14.1	17.6	15.5	17.8	16.1	15.8	12.6	Decreased, 1999-2015	No quadratic change	Decreased
QNTOB3: Percentage of students who currently used cigarettes, cigars, or smokeless tobacco (on at least 1 day during the 30 days before the survey)															
				46.2	40.3	33.5	34.2	32.0	33.5	29.6	28.6	25.3	Decreased, 1999-2015	Decreased, 1999-2003 Decreased, 2003-2015	No change

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Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QNTOB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)													Decreased, 1999-2015	Decreased, 1999-2003 Decreased, 2003-2015	Decreased
				41.9	35.2	28.6	28.9	27.3	28.2	25.2	23.6	20.1			
QNNOTOB3: Percentage of students who did not currently use cigarettes, cigars, or smokeless tobacco (on at least 1 day during the 30 days before the survey)													Increased, 1999-2015	Increased, 1999-2003 Increased, 2003-2015	No change
				55.0	62.3	69.1	68.6	70.0	68.7	72.7	73.3	76.2			
QNNOTOB2: Percentage of students who did not currently smoke cigarettes or cigars (on at least 1 day during the 30 days before the survey)													Increased, 1999-2015	Increased, 1999-2003 Increased, 2003-2015	Increased
				59.0	66.7	73.1	73.0	73.9	73.7	76.3	77.7	81.0			

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Alcohol and Other Drug Use															
Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN41: Percentage of students who ever drank alcohol (at least one drink of alcohol on at least 1 day during their life)													Decreased, 1993-2015	Increased, 1993-1999 Decreased, 1999-2015	No change
	83.2	84.0	84.3	86.1	82.9	81.1	77.8	77.8	75.7	72.8	70.5	69.9			
QN42: Percentage of students who drank alcohol before age 13 years (for the first time other than a few sips)													Decreased, 1993-2015	No quadratic change	No change
	40.0	39.3	38.8	33.4	35.1	30.4	27.8	25.9	24.0	21.4	19.9	19.6			
QN43: Percentage of students who currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)													Decreased, 1993-2015	No change, 1993-1999 Decreased, 1999-2015	No change
	55.7	58.2	59.0	57.6	54.1	49.5	48.6	46.5	42.8	38.3	37.1	34.2			
QN44: Percentage of students who drank five or more drinks of alcohol in a row (within a couple of hours on at least 1 day during the 30 days before the survey)													Decreased, 1993-2015	No change, 1993-2001 Decreased, 2001-2015	Decreased
	41.4	43.1	44.1	43.6	41.4	37.3	34.4	32.7	30.1	25.2	23.5	20.7			
QN45: Percentage of students who reported that the largest number of drinks they had in a row was 10 or more (within a couple of hours during the 30 days before the survey)													No linear change	Not available [§]	No change
											7.2	6.0			

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Alcohol and Other Drug Use															
Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN46: Percentage of students who usually obtained the alcohol they drank by someone giving it to them (among students who currently drank alcohol)															
								38.9	37.9	34.1	36.3	34.9	No linear change	Not available [§]	No change
QN47: Percentage of students who ever used marijuana (one or more times during their life)															
	26.8	35.0	45.1	45.0	46.7	43.9	41.7	39.1	42.2	39.2	37.6	37.5	No linear change	Increased, 1993-1997 Decreased, 1997-2015	No change
QN48: Percentage of students who tried marijuana before age 13 years (for the first time)															
	7.6	6.9	9.7	11.8	12.3	11.0	11.2	9.5	9.7	8.0	7.9	8.0	No linear change	Increased, 1993-2001 Decreased, 2001-2015	No change
QN49: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)															
	13.6	20.1	26.9	25.5	27.1	23.1	22.3	21.0	23.1	21.2	21.0	19.5	No linear change	Increased, 1993-1997 Decreased, 1997-2015	No change
QN50: Percentage of students who ever used cocaine (any form of cocaine, such as powder, crack, or freebase, one or more times during their life)															
	5.1	6.1	9.6	9.8	9.4	8.7	9.5	8.3	7.2	6.1	6.4	5.2	Decreased, 1993-2015	Increased, 1993-1999 Decreased, 1999-2015	Decreased

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Alcohol and Other Drug Use															
Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN51: Percentage of students who ever used inhalants (sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high, one or more times during their life)															
		20.9	20.8	16.5	15.0	13.8	15.4	16.2	14.2	11.6	9.9	8.0	Decreased, 1995-2015	No quadratic change	Decreased
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China white," one or more times during their life)															
				2.8	4.0	3.2	3.6	2.5	3.0	2.6	2.6	2.1	Decreased, 1999-2015	No quadratic change	No change
QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal," "crank," or "ice," one or more times during their life)															
				13.5	12.6	9.3	8.3	4.6	3.1	3.1	3.6	3.0	Decreased, 1999-2015	No quadratic change	No change
QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life)															
						6.1	6.3	6.0	7.3	8.2	8.2	6.1	Increased, 2003-2015	No quadratic change	Decreased
QN56: Percentage of students who ever took steroids without a doctor's prescription (pills or shots, one or more times during their life)															
	4.1	3.7	4.2	4.1	5.3	4.7	4.4	2.8	3.9	2.9	2.6	2.5	Decreased, 1993-2015	No change, 1993-2001 Decreased, 2001-2015	No change

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Health Risk Behavior and Percentages																										
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015														
QN57: Percentage of students who ever took prescription drugs without a doctor's prescription (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax, one or more times during their life)													Decreased, 2011-2015	Not available [§]	No change											
													18.4	16.2	15.6											
QN58: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body one or more times during their life)													Decreased, 1995-2015	No quadratic change	Decreased											
													2.5	2.8	2.4	2.7	2.6	3.6	2.0	3.7	2.0	2.4	1.7			
QN59: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)													Decreased, 1993-2015	Increased, 1993-1997 Decreased, 1997-2015	No change											
													22.0	29.6	34.6	30.0	29.5	26.9	25.3	24.9	20.7	25.2	22.8	21.7		

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Total Sexual Behaviors													Linear Change*	Quadratic Change*	Change from 2013-2015 †
Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN60: Percentage of students who ever had sexual intercourse															
	51.0	47.0	45.9	42.5	43.9	43.6	43.6	45.7	47.6	47.9	46.0	44.0	Decreased, 1993-2015	Decreased, 1993-1999 No change, 1999-2015	No change
QN61: Percentage of students who had sexual intercourse before age 13 years (for the first time)															
	8.5	6.3	6.5	5.3	5.3	5.9	5.1	5.1	5.7	4.4	4.3	3.1	Decreased, 1993-2015	No quadratic change	Decreased
QN62: Percentage of students who had sexual intercourse with four or more persons (during their life)															
	17.9	15.4	15.5	12.1	13.8	14.0	13.1	13.7	16.0	15.0	14.7	13.4	Decreased, 1993-2015	Decreased, 1993-1999 No change, 1999-2015	No change
QN63: Percentage of students who were currently sexually active (sexual intercourse with at least one person during the 3 months before the survey)															
	33.7	32.2	31.5	29.2	30.7	29.9	31.2	31.2	32.2	34.7	34.1	32.3	No linear change	Decreased, 1993-1999 Increased, 1999-2015	No change
QN64: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)															
	34.7	30.2	30.4	34.5	32.0	33.7	29.4	26.0	25.7	21.1	21.7	19.7	Decreased, 1993-2015	No change, 1993-2003 Decreased, 2003-2015	No change

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1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN65: Percentage of students who used a condom (during last sexual intercourse among students who were currently sexually active)															
	51.5	53.9	48.6	56.6	57.5	59.6	61.3	63.3	67.5	62.4	61.5	59.2	Increased, 1993-2015	Increased, 1993-2009 Decreased, 2009-2015	No change
QN66: Percentage of students who used birth control pills (before last sexual intercourse to prevent pregnancy among students who were currently sexually active)															
	20.6	19.5	21.6	20.1	23.1	24.1	23.8	23.4	27.4	21.4	24.9	27.1	Increased, 1993-2015	No quadratic change	No change
QNIUDIMP: Percentage of students who used an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon) (before last sexual intercourse to prevent pregnancy among students who were currently sexually active)															
										6.8	1.9	4.2	Decreased, 2011-2015	Not available§	Increased
QNSHPARG: Percentage of students who used a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing) (during last sexual intercourse among students who were currently sexually active)															
										8.6	6.3	6.6	Decreased, 2011-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey
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Total Sexual Behaviors													Linear Change*	Quadratic Change*	Change from 2013-2015 †
Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QNOTHHPL: Percentage of students who used birth control pills; an IUD or implant; or a shot, patch, or birth control ring (before last sexual intercourse to prevent pregnancy among students who were currently sexually active)													No linear change	Not available [§]	Increased
QNDUALBC: Percentage of students who used both a condom during and birth control pills; an IUD or implant; or a shot, patch, or birth control ring before last sexual intercourse (to prevent STD and pregnancy among students who were currently sexually active)													Increased, 2011-2015	Not available	No change
QNBCNONE: Percentage of students who did not use any method to prevent pregnancy (during last sexual intercourse among students who were currently sexually active)													Decreased, 1993-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total															
Weight Management and Dietary Behaviors															
Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth chart [§])															
				10.7	11.4	11.5	12.8	13.3	11.8	12.9	12.9	15.0	Increased, 1999-2015	No quadratic change	Increased
QNOBESE: Percentage of students who were obese (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth chart [§])															
				6.1	6.1	8.0	9.3	10.1	10.3	8.5	9.4	10.3	Increased, 1999-2015	Increased, 1999-2007 No change, 2007-2015	No change
QN69: Percentage of students who described themselves as slightly or very overweight															
34.7	29.2	28.2	30.2	30.1	30.8	31.7	29.1	28.9	26.3	27.7	29.5	Decreased, 1993-2015	No quadratic change	No change	
QN70: Percentage of students who were trying to lose weight															
41.6	41.5	41.7	40.2	42.0	41.6	42.6	43.6	41.6	40.1	41.4	40.7	No linear change	No quadratic change	No change	
QN71: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)															
				14.9	16.6	18.3	18.7	17.8	20.0	17.7	22.1	24.2	Increased, 1999-2015	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, $p < 0.05$.

§Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total															
Weight Management and Dietary Behaviors															
Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN72: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)															
				10.9	11.9	12.2	12.7	11.1	11.2	10.1	8.8	9.7	Decreased, 1999-2015	No change, 1999-2003 Decreased, 2003-2015	No change
QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (during the 7 days before the survey)															
				4.3	5.0	4.9	5.5	4.7	5.2	4.0	4.1	5.1	No linear change	No quadratic change	Increased
QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (during the 7 days before the survey)															
				61.5	61.5	58.6	59.4	60.6	60.7	61.6	61.0	60.0	No linear change	No quadratic change	No change
QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)															
				28.8	28.7	27.2	26.3	27.1	27.4	26.9	28.2	27.5	No linear change	No quadratic change	No change
QNFR3: Percentage of students who ate fruit or drank 100% fruit juices three or more times per day (during the 7 days before the survey)															
				17.4	17.9	15.5	16.0	15.8	16.8	15.6	15.7	15.7	Decreased, 1999-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total															
Weight Management and Dietary Behaviors															
Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN73: Percentage of students who did not eat salad (during the 7 days before the survey)															
				23.8	25.2	27.7	28.1	29.6	28.6	28.7	29.8	32.5	Increased, 1999-2015	No quadratic change	Increased
QN74: Percentage of students who did not eat potatoes (during the 7 days before the survey)															
				20.0	21.5	22.9	26.9	26.2	27.1	25.5	26.7	27.6	Increased, 1999-2015	Increased, 1999-2005 No change, 2005-2015	No change
QN75: Percentage of students who did not eat carrots (during the 7 days before the survey)															
				40.2	39.7	41.5	42.5	42.7	40.7	42.8	41.5	43.2	No linear change	No quadratic change	No change
QN76: Percentage of students who did not eat other vegetables (during the 7 days before the survey)															
				12.5	12.7	14.8	15.3	15.0	15.4	14.1	13.7	15.3	Increased, 1999-2015	Increased, 1999-2003 No change, 2003-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total															
Weight Management and Dietary Behaviors															
Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)													Increased, 1999-2015	No quadratic change	No change
2.6	3.1	3.6	4.0	3.9	4.5	3.5	3.9	5.1							
QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)													Decreased, 1999-2015	Decreased, 1999-2005 Increased, 2005-2015	No change
69.8	69.0	66.6	64.0	64.9	66.1	66.5	66.8	66.0							
QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)													No linear change	Decreased, 1999-2005 Increased, 2005-2015	No change
30.9	31.8	27.3	27.3	26.2	29.2	28.5	29.4	28.5							
QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)													No linear change	No quadratic change	No change
12.0	14.2	11.7	12.6	11.7	13.1	11.9	13.2	13.3							

*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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total																					
Weight Management and Dietary Behaviors																					
Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2013-2015 †								
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015									
QN77: Percentage of students who did not drink a can, bottle, or glass of soda or pop (not including diet soda or diet pop, during the 7 days before the survey)													20.1	18.5	19.3	26.3	25.7	Increased, 2007-2015		Not available [§]	No change
QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (not including diet soda or diet pop, during the 7 days before the survey)													26.2	25.7	23.4	18.2	18.6	Decreased, 2007-2015		Not available	No change
QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (not including diet soda or diet pop, during the 7 days before the survey)													16.4	14.6	14.6	10.7	10.7	Decreased, 2007-2015		Not available	No change
QNSODA3: Percentage of students who drank a can, bottle, or glass of soda or pop three or more times per day (not including diet soda or diet pop, during the 7 days before the survey)													8.2	7.5	6.9	5.1	5.2	Decreased, 2007-2015		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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total																		
Weight Management and Dietary Behaviors																		
Health Risk Behavior and Percentages																		
													Linear Change*	Quadratic Change*	Change from 2013-2015 †			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015						
QN78: Percentage of students who did not drink milk (during the 7 days before the survey)													13.9	15.8	Increased, 2013-2015	Not available [§]	Increased	
QNMILK1: Percentage of students who drank one or more glasses per day of milk (during the 7 days before the survey)													44.9	41.5	Decreased, 2013-2015	Not available	Decreased	
QNMILK2: Percentage of students who drank two or more glasses per day of milk (during the 7 days before the survey)													29.5	27.4	Decreased, 2013-2015	Not available	No change	
QNMILK3: Percentage of students who drank three or more glasses per day of milk (during the 7 days before the survey)													14.5	13.2	No linear change	Not available	No change	
QN79: Percentage of students who did not eat breakfast (during the 7 days before the survey)													11.2	11.7	12.5	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey
Trend Analysis Report

Total															
Weight Management and Dietary Behaviors															
Health Risk Behavior and Percentages															
													Linear Change*	Quadratic Change*	Change from 2013-2015 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total Physical Activity													Linear Change*	Quadratic Change*	Change from 2013-2015 †
Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN80: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (doing 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, 2005-2015	Increased, 2005-2009 Increased, 2009-2015	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (doing 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)													Decreased, 2005-2015	Decreased, 2005-2009 Decreased, 2009-2015	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (doing 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, 2005-2015	Increased, 2005-2011 No change, 2011-2015	No change
QN81: Percentage of students who watched television 3 or more hours per day (on an average school day)													Decreased, 1999-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total Physical Activity													Linear Change*	Quadratic Change*	Change from 2013-2015 †
Health Risk Behavior and Percentages															
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN82: Percentage of students who played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)													Increased, 2007-2015	Not available [§]	Increased
	53.5	53.1	53.6	53.6	52.3	55.7	58.1	53.8	57.7	56.0	54.4	54.9	Increased, 1993-2015	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education classes on all 5 days (in an average week when they were in school)													No linear change	No quadratic change	No change
	38.3	34.3	32.7	35.8	31.3	32.6	34.0	32.8	32.2	33.1	34.9	32.7	No linear change	No quadratic change	No change
QN84: Percentage of students who played on at least one sports team (run by their school or community groups during the 12 months before the survey)													No linear change	Decreased, 1999-2003 Increased, 2003-2015	No change
				64.4	60.1	60.5	61.7	59.6	57.7	63.2	63.7	62.4	No linear change	Decreased, 1999-2003 Increased, 2003-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey
Trend Analysis Report

Total Other	Health Risk Behavior and Percentages												Linear Change*	Quadratic Change*	Change from 2013-2015 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013			
	QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma														
							18.9	20.9	19.5	20.3	19.8	22.2	Increased, 2005-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey
Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages												Linear Change*	Quadratic Change*	Change from 2013-2015 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013			
QN90: Percentage of students who never or rarely wear a seat belt when driving (among students who drive a car)															
											11.4	8.2	Decreased, 2013-2015	Not available [§]	Decreased
QN91: Percentage of students who talked on a cell phone while driving (on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle)															
											61.3	58.1	No linear change	Not available	No change
QN92: Percentage of students who have ever been the victim of teasing, name calling, or bullying because someone thought they were gay, lesbian, or bisexual (during the 12 months before the survey)															
											13.2	14.7	No linear change	Not available	No change
QN93: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)															
	11.9	15.4	15.3	14.0	10.4	7.7	7.0	6.2	5.4	4.3	3.7	3.6	Decreased, 1993-2015	No change, 1993-1997 Decreased, 1997-2015	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.

2015 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages												Linear Change*	Quadratic Change*	Change from 2013-2015 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013			
QN94: Percentage of students who used chewing tobacco, snuff, or dip on school property (on at least 1 day during the 30 days before the survey)															
	15.2	13.3	9.7	9.3	7.7	8.2	7.3	8.8	8.0	8.3	7.5		Decreased, 1995-2015	Decreased, 1995-2003 No change, 2003-2015	No change
QN95: Percentage of students who had at least one drink of alcohol on school property (on at least 1 day during the 30 days before the survey)															
	8.8	9.8	8.4	7.2	6.9	6.7	6.4	5.7	5.1	3.5	5.7	5.1	Decreased, 1993-2015	No quadratic change	No change
QN96: Percentage of students who used an indoor tanning device (such as a sunlamp, sunbed, or tanning booth [not including getting a spray-on tan] one or more times during the 12 months before the survey)															
											13.4	11.8	No linear change	Not available [§]	No change
QN97: Percentage of students who received help from a resource teacher, speech therapist, or other special education teacher at school (during the 12 months before the survey)															
									12.5	12.2	12.4	12.4	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.