Montana High School Survey Trend Analysis Report

Total Injury	y and V	iolence	:		Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN8:	Percen	tage of	students	s who d	id not al	lways w	ear a se	at belt (when ri	ding in	a car dr	iven by	someon	ne else)				
	82.5	82.9	82.7	73.7	69.1	67.0	62.5	61.0	59.0	57.3	52.2	49.3	48.5	47.7	46.0	Decreased, 1993-2021	No change, 1993-1997 Decreased, 1997-2021	No change

QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or

45.9 48.1 46.6 43.1 39.3 36.9 34.4 32.9 28.8 26.1 24.5 23.0 19.8 19.1 20.7

more times during the 30 days before the survey)

No quadratic change

No change

Decreased,

1993-2021

^{*}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.

ınjury	y and V	ioience			Heal	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
times		he 30 d					ther veh students											
											12.6	10.9	7.6	7.1	7.5	Decreased, 2013-2021	Not available [§]	No change
							ed while											
											55.8	54.6	54.2	53.3	57.1	No linear change	Not available	No change
			f studen			a weapo	n on sch	ool pro	perty (s	such as	a gun, k	nife, or	club, o	n at leas	st 1			
	13.7	12.4	12.4	9.2	8.7	7.2	10.2	9.7	7.9	9.3	9.9	10.6	8.5	7.0	9.1	Decreased, 1993-2021	Decreased, 1993-2001 No change, 2001-2021	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.

[§]Not enough years of data to calculate.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
							ot cound						only for	r huntin	g or			
													7.7	7.7	8.9	No linear change	Not available§	No change
													,.,	,.,	0.5	Tro mour onlinge	1 tot available	1 to change
							hool bec		ey felt ı	unsafe a	nt school	or on t					Tiot uvallable	
									ney felt u	unsafe a	at school	or on t				Increased, 1993-2021	No quadratic change	Decreased
QN15	(on at 2.5	2.8 ntage of	4.4 f studen	3.0 ts who	5.5 were thi	3.4 reatened	he surve	4.2 red with	5.2	4.2	8.8	5.0	heir wa	y to or f	From 6.6	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.

[§]Not enough years of data to calculate.

Montana High School Survey Trend Analysis Report

Total Injury and Violence Health Risk Behavior and Percentages Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN16: 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 20.1 19.7 Decreased, No quadratic change Decreased 1993-2021 QN17: 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 8.0 No quadratic change 6.3 5.2 Decreased, Decreased 1993-2021 QN19: Percentage of students who were ever physically forced to have sexual intercourse (when they did not want to) No quadratic change 8.8 10.2 8.8 9.2 9.8 8.7 8.7 9.3 9.8 11.0 No linear 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.

Montana High School Survey Trend Analysis Report

Total **Injury and Violence Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN20: Percentage of students who experienced sexual violence (being forced by anyone to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to do, one or more times during the 12 months before the survey) 9.8 11.1 13.5 Not available§ Increased. Increased 2017-2021 QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to do, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) 11.1 10.0 6.5 6.3 8.1 Decreased. Not available Increased 2013-2021

^{*}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.

Total Injury	and V	iolence			Heal	th Risk	Behavi	ior and	Percei	ıtages						Linear Change*	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
someo with a	ne they n object	were d	ating or pon] on	ts who e going one or mo	out with ore time	[counti s during	ng such the 12	things months	as bein	g hit, sÎ	ammed	into soi	mething	, or inju				
											8.8	8.2	7.2	7.8	7.2	Decreased, 2013-2021	Not available [§]	No change
QN23:	Perce	ntage of	studen	ts who	were bu	llied on	school	propert	y (ever	during	the 12 1	nonths	before t	he surve	ey)			
									23.1	26.0	26.3	25.3	21.6	22.0	15.6	Decreased, 2009-2021	No change, 2009-2015 Decreased, 2015-2021	Decreased
				ts who v							ullied th	rough t	exting,	Instagra	ım,			
										19.2	18.1	18.5	17.6	17.9	16.4	Decreased, 2011-2021	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.

Total Injury	and V	iolence																
					Heal	th Risk	Behavi	ior and	Percen	ntages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
							less (alr			for >=2	2 weeks	in a rov	v so tha	t they st	opped			
				25.9	26.6	26.4	25.6	25.8	27.3	25.2	26.4	29.3	31.0	36.7	41.4	Increased, 1999-2021	No change, 1999-2013 Increased, 2013-2021	Increased
QN26:	Perce	ntage of	studen	ts who	seriousl	y consid	dered at	temptin	g suicid	le (duri	ng the 1	2 month	ns befor	e the su	rvey)			
	25.1	21.8	23.9	18.6	19.4	18.9	17.5	15.1	17.4	15.2	16.8	18.8	20.8	23.4	21.7	Decreased, 1993-2021	Decreased, 1993-2009 Increased, 2009-2021	No change
QN27: the sur		ntage of	studen	ts who	made a	plan ab	out how	they w	ould att	tempt su	iicide (d	luring tl	ne 12 m	onths be	efore			
	20.8	19.2	18.7	15.6	16.3	14.8	14.6	13.2	13.4	12.3	13.6	15.5	16.6	19.5	18.0	Decreased, 1993-2021	Decreased, 1993-2011 Increased, 2011-2021	No change
QN28: survey		ntage of	studen	ts who	actually	attemp	ted suic	ide (one	e or moi	re times	during	the 12 1	months	before t	he			
	8.9	8.5	8.4	6.7	10.4	9.7	10.3	7.9	7.7	6.5	7.9	8.9	9.5	10.0	10.2	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.

Injury a	ina vi	oichice			Healt	th Risk	Behavi	or and	Percent	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
-	-		etudani	1 1		ioido ett	omnt th	at recul	ted in a	n iniury	noison	ing or	overdos	se that h	ad to			
QN29: be treate										i iiijui y	, poison	iiig, oi	o reruoi	, 0 111111 11	uu to			

^{*}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.

Total	
Tobacco	Use

	co Use				Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN30:	Percei	ntage of	studen	ts who	ever trie	d cigare	ette smo	king (e	ven 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	33.9	31.0	27.8	Decreased, 1993-2021	No change, 1993-1999 Decreased, 1999-2021	No change
QN31:	Perce	ntage of	studen	ts who i	first trie	d cigare	ette smo	king be	fore age	e 13 yea	ırs (evei	n one or	two pu	ffs) 10.0	9.6	No linear change	Not available [§]	No change
		ntage of	studen	ts who	currentl	y smoke	ed cigar	ettes (o	n at leas	t 1 day	during	the 30 d	lays bef	ore 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	12.1	7.7	7.0	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
		ercenta e surve		udents v	who cur	rently s	moked o	cigarette	es frequ	ently (c	on 20 or	more d	ays duri	ing the	30	-		
	12.7	16.8	19.3	18.0	14.9	10.8	8.8	8.1	7.9	6.4	5.5	3.6	3.1	1.5	1.2	Decreased, 1993-2021	Increased, 1993-1999 Decreased, 1999-2021	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.

Total	
Tobacco	Use

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QNDA the sur		Percer	ntage of	student	s who c	currently	smoke	d cigare	ettes dai	ily (on a	ıll 30 da	ys durii	ng the 3	0 days l	pefore			
	9.0	11.7	13.8	13.0	10.6	7.9	5.9	5.2	5.9	4.7	3.7	2.2	2.1	1.2	0.8	Decreased, 1993-2021	Increased, 1993-1999 Decreased, 1999-2021	No change
ONIZZ			-															
						more th				y (on th	ne days	they sm	oked dı	aring the	e 30			
										6.9	ne days	they sm	oked di	uring the	e 30 3.5	Decreased, 1993-2021	No change, 1993-2001 Decreased, 2001-2021	No change
days b	11.8 Percer	13.2	y, amor 12.1 f studen	11.5	12.6	current	7.7	7.7 vapor p	4.0	6.9 (includi	5.7	5.5	4.6	5.5	3.5	,	C ,	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.

Montana High School Survey Trend Analysis Report

Total Tobacco Use **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey) 29.5 22.5 30.2 25.5 No linear change Not available§ Decreased QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 4.6 3.7 12.7 10.4 Increased. Not available Decreased 2015-2021 ONDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) 3.0 2.4 8.7 6.7 Not available Decreased Increased, 2015-2021 QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 32.1 26.1 31.0 26.0 Decreased. Not available Decreased 2015-2021

^{*}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.

Montana High School Survey Trend Analysis Report

Total **Tobacco Use Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) 9.8 Not available§ 6.3 5.2 Decreased. No change 2017-2021 QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey) 3.2 1.6 1.8 Decreased. Not available No change 2017-2021 QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey) 2.5 1.4 1.3 Decreased. Not available No change 2017-2021

§Not enough years of data to calculate.

^{*}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.

Total Tobac	cco Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
_		_	f studen e survey		currentl	y smok	ed cigar	s (cigar	s, cigari	llos, or	little ci	gars, on	at least	1 day o	during			
				20.4	14.8	14.1	17.6	15.5	17.8	16.1	15.8	12.6	12.9	7.5	4.6	Decreased, 1999-2021	Decreased, 1999-2017 Decreased, 2017-2021	Decreased
							oked cig s before			s or use	d smok	eless tol	oacco o	r electro	onic			
													30.2	32.1	27.0	Decreased, 2017-2021	Not available [§]	Decreased
					who cu		smoked	cigars	frequen	tly (ciga	ars, ciga	rillos, c	or little o	cigars, o	on 20			
				1.3	0.9	1.3	1.5	1.3	1.5	1.4	1.1	1.1	1.1	0.6	0.5	Decreased, 1999-2021	No change, 1999-2017 Decreased, 2017-2021	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.

Total Tobac	co Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
			of stude			ntly smo	ked cig	arettes (or cigars	s or use	d smoke	eless tol	oacco (c	n at lea	st 1			
													20.5	13.9	10.9	Decreased, 2017-2021	Not available [§]	Decreased
QNTB the sur		centage	of stude	ents wh	o currer	ntly smo	ked cig	arettes o	or cigars	s (on at	least 1	day dur	ing the .	30 days	before		-	_
				41.0	33.3	26.9	27.0	26.1	26.3	23.7	22.3	19.0	17.2	11.1	8.5	Decreased, 1999-2021	Decreased, 1999-2017 Decreased, 2017-2021	Decreased
			entage o			current	ly smok	ed ciga	rs daily	(cigars,	cigarill	os, or li	ttle ciga	ars, on a	all 30			
				0.8	0.7	1.1	1.2	0.9	1.2	1.0	0.9	0.8	0.8	0.5	0.5	Decreased, 1999-2021	No change, 1999-2011 Decreased, 2011-2021	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.

Montana High School Survey Trend Analysis Report

Total Alcohol and Other Drug Use **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) 40.0 39.3 38.8 33.4 35.1 30.4 27.8 25.9 24.0 21.4 19.9 19.6 19.1 17.6 18.2 Decreased, No quadratic change No change 1993-2021 QN41: 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) 55.7 58.2 59.0 57.6 54.1 49.5 48.6 46.5 42.8 38.3 37.1 34.2 33.1 33.4 31.4 No quadratic change Decreased. No change 1993-2021 QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey) 17.6 17.5 16.4 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.

 $^{^{\}dagger}$ Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Total Alcoho	ol and	Other I	Orug U	se														
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
							e largest		er of dri	nks they	y had ir	a row v	vas 10 d	or more				
														5.6	4.5	No linear change	Not available§	No change
							tly dran			34.1	36.3	g it to the 34.9	40.1	39.3	38.4	No linear change	No quadratic change	No change
QN45:	Perce	ntage of	f studen	ts who	ever use	ed marij	uana (oi	ne or m	ore time	es durin	g 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	36.7	40.0	37.0	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
QN46:	Perce	ntage of	f studen	ts who	tried ma	rijuana	for the	first tim	e befor	e age 13	3 years							
	7.6	6.9	9.7	11.8	12.3	11.0	11.2	9.5	9.7	8.0	7.9	8.0	7.0	7.5	7.3	Decreased, 1993-2021	Increased, 1993-2001 Decreased, 2001-2021	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.

Alcoh	ol and (Other I	Orug Us	se	Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN47:	Perce	ntage of	f studen	ts who	currently	y used r	narijuar	na (one	or more	times o	luring th	ne 30 da	ys befo	re the s	urvey)			
	13.6	20.1	26.9	25.5	27.1	23.1	22.3	21.0	23.1	21.2	21.0	19.5	19.8	21.1	19.7	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
QN48:	Perce	ntage of	f studen	ts who	ever use	d synth	etic maı	rijuana ((one or	more tii	nes dur	ing thei	r life)		•			
												9.6	7.3	6.5	6.6	Decreased, 2015-2021	Not available [§]	No change
than h	ow a do	ctor tol	d them	to use it	ever too t (counti heir life	ing drug									rently			
													13.7	12.8	12.0	Decreased, 2017-2021	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.

Alcon	oi and	Otner 1	Orug Us	se	Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		2013 2021
			f studen their lif		ever use	ed cocai	ne (any	form of	cocain	e, inclu	ding po	wder, cı	ack, or	freebas	e, one			
	5.1	6.1	9.6	9.8	9.4	8.7	9.5	8.3	7.2	6.1	6.4	5.2	4.4	4.1	4.0	Decreased, 1993-2021	Increased, 1993-1999 Decreased, 1999-2021	No change
			f studen sprays t								conten	ts of aeı	osol sp	ray can	s, or			
		20.9	20.8	16.5	15.0	13.8	15.4	16.2	14.2	11.6	9.9	8.0	6.4	8.0	8.6	Decreased, 1995-2021	No quadratic change	No change
	: Perce		f studen	ts who	ever use	ed heroi	n (also d	called "s	smack,"	"junk,"	or "Ch	ina Whi	te," one	e or moi	re			
				2.8	4.0	3.2	3.6	2.5	3.0	2.6	2.6	2.1	1.7	1.7	1.5	Decreased, 1999-2021	Decreased, 1999-2011 Decreased, 2011-2021	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.

Total			
Alcohol and	Other	Drug	Use

Alcoh	ol and (Other I	Orug Us	se														
					Heal	th Risk	Behavi	ior and	Percen	ıtages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
					ever use their lit		ampheta	amines ((also ca	lled "sp	eed," "c	rystal n	neth," "o	erank,"	"ice,"			
				13.5	12.6	9.3	8.3	4.6	3.1	3.1	3.6	3.0	2.2	2.4	1.9	Decreased, 1999-2021	Decreased, 1999-2009 Decreased, 2009-2021	No change
QN54: their li		ntage o	f studen	ts who	ever use	ed ecsta	sy (also	called '	'MDMA	A" or "N	Molly,"	one or n	nore tin	nes duri	ng			
						6.1	6.3	6.0	7.3	8.2	8.2	6.1	4.5	4.3	4.2	Decreased, 2003-2021	Increased, 2003-2011 Decreased, 2011-2021	No change
-		_	f studen nes duri			ected an	y illega	l drug (used a r	needle to	o inject	any ille	gal dru	g into th	neir			
		2.5	2.8	2.4	2.7	2.6	3.6	2.0	3.7	2.0	2.4	1.7	1.8	1.0	1.4	Decreased, 1995-2021	No change, 1995-2013 Decreased, 2013-2021	No change
	Perces s before			ts who	were of	fered, so	old, or g	iven an	illegal	drug on	school	propert	y (durir	ig the 12	2			
	22.0	29.6	34.6	30.0	29.5	26.9	25.3	24.9	20.7	25.2	22.8	21.7	21.7	22.5	22.3	Decreased, 1993-2021	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.

Total Sexual	Behav	iors			Hool	th Risk	Robovi	or and	Dorcon	tagas						Linear Change*	Quadratic Change*	Change from
					Hear	ui Kisk	Deliavi	oi anu	1 el cell	lages						Linear Change	Quadrane Change	2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN57:	Percei	ntage of	fstuden	ts who	ever had	d sexual	interco	urse										
	51.0	47.0	45.9	42.5	43.9	43.6	43.6	45.7	47.6	47.9	46.0	44.0	43.2	43.8	41.5	Decreased, 1993-2021	No quadratic change	No change
QN58:	Percei	ntage of	f studen	ts who l	had sexi	ual inter	course	for the f	irst tim	e before	e age 13	years						
	8.5	6.3	6.5	5.3	5.3	5.9	5.1	5.1	5.7	4.4	4.3	3.1	2.9	3.6	2.8	Decreased, 1993-2021	No quadratic change	Decreased
QN59:	Percei	ntage of	f studen	ts who l	had sexi	ual inter	course	with fou	ır or mo	ore perso	ons duri	ng thei	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	12.4	12.1	10.7	Decreased, 1993-2021	No quadratic change	No change
			f studen before th			rrently s	sexually	active	(had sex	kual inte	ercourse	with a	least o	ne perso	on,			
	33.7	32.2	31.5	29.2	30.7	29.9	31.2	31.2	32.2	34.7	34.1	32.3	31.6	31.8	30.1	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.

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Total
Sexual Behaviors

Sexua					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
-	: Perce	_			drank al	lcohol o	r used d	lrugs be	fore las	t sexual	interco	urse (ar	nong sti	ıdents v	vho			
	34.7	30.2	30.4	34.5	32.0	33.7	29.4	26.0	25.7	21.1	21.7	19.7	17.8	18.3	17.8	Decreased, 1993-2021	No change, 1993-2001 Decreased, 2001-2021	No change
-	: Perce	_	f studen	ts who	used a c	condom	during l	ast sexu	ıal inter	course	(among	student	s who v	vere cur	rently			
	51.5	53.9	48.6	56.6	57.5	59.6	61.3	63.3	67.5	62.4	61.5	59.2	55.4	55.6	51.7	Increased, 1993-2021	Increased, 1993-2009 Decreased, 2009-2021	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.

vveigi	it iviani	agemen	it and E	oncean y			Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN66:	Perce	ntage of	f studen	ts who	describe	ed them	selves a	s slight	ly or ve	ry overv	weight							
	34.7	29.2	28.2	30.2	30.1	30.8	31.7	29.1	28.9	26.3	27.7	29.5	30.5	30.5	28.4	Decreased, 1993-2021	Decreased, 1993-1997 No change, 1997-2021	No change
				ic refere	ence dat	a from	the 2000) CDC	growth	charts)§		rcentile		,	·			
												rcentile 15.0	for bod	y mass i	14.0	Increased, 1999-2021	No quadratic change	No change
based	on sex-	and age	e-specif	10.7	11.4 who ha	a from 11.5 d obesit	12.8	13.3 5th perc	growth	charts) [§] 12.9	12.9		14.6	13.0	14.0	,	No quadratic change	No change
based	on sex-	and age	e-specif	10.7	11.4 who ha	a from 11.5 d obesit	12.8 ty (>= 9	13.3 5th perc	growth	charts) [§] 12.9	12.9	15.0	14.6	13.0	14.0	,	No quadratic change Increased, 1999-2005 Increased, 2005-2021	No change
QNOE age-sp	BESE:	Percenta eference	e-specif age of s e data fr	10.7 tudents com the	who ha 2000 C	d obesit DC gro	the 2000 12.8 $xy (>= 9)$ with chain	13.3 5th percents)§ 10.1	11.8	charts) [§] 12.9 or body	12.9	15.0	14.6	13.0	14.0	Increased,	Increased, 1999-2005	

^{*}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. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change fron 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
	: Perce	-	studen	ts who	did not	drink fr	uit juice	(100%	fruit jui	ices one	or mor	e times	during	the 7 da	ıys			
				14.9	16.6	18.3	18.7	17.8	20.0	17.7	22.1	24.2	26.9	32.4	34.3	Increased, 1999-2021	Increased, 1999-2011 Increased, 2011-2021	No change
QN69	: Perce	ntage of	studen	ts who	did not	eat fruit	(one or	more t	imes du	ring the	7 days	before t	he surv	ey)		•		
				10.9	11.9	12.2	12.7	11.1	11.2	10.1	8.8	9.7	9.8	10.9	10.4	Decreased, 1999-2021	No quadratic change	No change
	R0: Pero						it or dri	nk 100	% fruit j	juices (s	such as	orange j	uice, ap	ple juic	e, or	-		
										4.0	4.1	5.1	5.2	5.4		No linear 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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
_		_	of stude grape ju						,	ne or m	ore time	es per d	ay (sucl	n as ora	nge			
				61.5	61.5	58.6	59.4	60.6	60.7	61.6	61.0	60.0	58.4	54.8	52.4	Decreased, 1999-2021	No change, 1999-2015 Decreased, 2015-2021	No change
			of stude grape ju							wo or m	ore time	es per d	ay (suc	h as ora	nge			
				28.8	28.7	27.2	26.3	27.1	27.4	26.9	28.2	27.5	25.2	23.9	23.0	Decreased, 1999-2021	No quadratic change	No change
QN70	: Percei	ntage of	student	ts who d	did not	eat gree	n salad	(one or	more ti	mes dur	ring the	7 days l	before t	he surve	ey)			
				23.8	25.2	27.7	28.1	29.6	28.6	28.7	29.8	32.5	31.9	34.3	36.5	Increased, 1999-2021	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.

Total Weigh	ıt Mana	agemen	t and D	ietary l	Behavi	ors												
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN71:	Perce	ntage of	studen	ts who	did not	eat pota	toes (on	e or mo	ore time	s during	the 7 c	lays bef	ore the	survey)				
				20.0	21.5	22.9	26.9	26.2	27.1	25.5	26.7	27.6	29.1	32.1	33.6	Increased, 1999-2021	No quadratic change	No change
QN72:	Perce	ntage of	studen	ts who	did not	eat carro	ots (one	or more	e times	during 1	he 7 da	ys befor	re the su	ırvey)		_		
				40.2	39.7	41.5	42.5	42.7	40.7	42.8	41.5	43.2	44.7	43.9	44.6	Increased, 1999-2021	No quadratic change	No change
QN73: survey		ntage of	studen	ts who	did not	eat othe	r vegeta	bles (or	ne or mo	ore time	s durin	g the 7 o	days bet	fore the				
				12.5	12.7	14.8	15.3	15.0	15.4	14.1	13.7	15.3	16.3	17.1	16.1	Increased, 1999-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
											es [excl e survey		rench fr	ies, frie	d			
				2.6	3.1	3.6	4.0	3.9	4.5	3.5	3.9	5.1	4.7	5.5	5.3	Increased, 1999-2021	No quadratic change	No change
											(green sa				ng		-	
				69.8	69.0	66.6	64.0	64.9	66.1	66.5	66.8	66.0	62.7	62.3	60.0	Decreased, 1999-2021	No quadratic change	No change
											(green sa				ng			
				30.9	21.0	27.3	27.3	26.2	29.2	28.5	29.4	28.5	27.2	26.0	24.6	Decreased.	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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
											green e 7 days				ling			
				12.0	14.2	11.7	12.6	11.7	13.1	11.9	13.2	13.3	11.6	11.7	11.1	No linear change	No quadratic change	No change
									13.1	11.7	13.2	13.3	11.0	11.7	11.1		110 quadratic change	
							can, bot	tle, or g	lass of	soda or	pop (suc survey) 26.3					Increased,	No quadratic change	
not cou	nting d OA1: I	ercent	a or diet	pop, or	who dra	ore time	can, bot	tle, or g g the 7 o 20.1	lass of slays bef	soda or fore the 19.3	pop (suc survey)	25.7	25.1	osi, or S 28.5	prite, 30.7			No cha

^{*}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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
						ank a ca soda or c								er day ((such			
								16.4	14.6	14.6	10.7	10.7	8.6	6.7	6.0	Decreased, 2007-2021	Decreased, 2007-2011 Decreased, 2011-2021	No change
																2007-2021	Decreased, 2011-2021	
QN75	Perce	ntage of	studen	ts who	did not	drink mi	ilk (duri	ing the	7 days b	efore th	ne surve	y)				2007-2021	Decreased, 2011-2021	
QN75	Perce	ntage of	studen	ts who	did not o	drink mi	ilk (duri	ing the	7 days b	efore th	ne surve	y) 15.8	19.0	23.5	26.6	Increased, 2013-2021	Not available [§]	Increased
QNM glass (LK1: I	Percenta rom a c	nge of st	udents or with c	who dra	drink mi	or more	glasses	per da	y of mil	13.9 k (coun	15.8	milk th	ney dran	ık in a	Increased,	<u> </u>	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.

[§]Not enough years of data to calculate.

Total Weigl	nt Mana	igemen	t and D	Dietary :	Behavio	ors												
					Heal	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
a glas	ILK3: F s or cup, g the 7 d	from a	carton,	or with														
											14.5	13.2	11.5	8.9	8.4	Decreased, 2013-2021	Not available§	No change
QN76	: Percei	ntage of	studen	ts who	did not o	eat breal	kfast (dı	uring th	ie 7 day	s before	e the sur	vey)						
										11.2	11.7	12.5	11.3	14.2	17.0	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QNBI	K7DAY	Perce	ntage of	f studen	ts who a	ate breal	kfast on	all 7 da	ays (dur	ring the	7 days	before t	he surv	ey)				
										39.5	40.3	38.2	37.0	32.9	30.3	Decreased, 2011-2021	Decreased, 2011-2017 Decreased, 2017-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
of phy		tivity th			were ph													
										54.7	54.8	54.0	53.4	51.0	51.7	Decreased, 2011-2021	No quadratic change	No chang
day (iı		nd of pl	nysical a	activity	ts who c													
day (iı	any ki	nd of pl	nysical a	activity												No linear change	No quadratic change	No chang
day (ii during QNPA kind o	the 7 d	nd of plays before Perceral active	nysical appropriate the second	activity survey)		reased t	heir hea	active a	and mad	10.0 60 minu	10.7	10.7	11.1 all 7 da	12.0 ys (in a	11.3	No linear change	No quadratic change	No chang

^{*}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.

Total	
Physical	Activity

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
		ntage of re in scl		ts who	attended	l physic	al educa	ation (P	E) class	es on 1	or more	e days (i	in an av	erage w	eek			
	53.5	53.1	53.6	53.6	52.3	55.7	58.1	53.8	57.7	56.0	54.4	54.9	55.9	56.6	52.2	No linear change	Increased, 1993-2005 No change, 2005-2021	No change
		Percenta re in scl	-	tudents	who att	ended p	hysical	educati	on (PE)	classes	on all	5 days (in an av	erage w	eek			
	38.3	34.3	32.7	35.8	31.3	32.6	34.0	32.8	32.2	33.1	34.9	32.7	34.7	32.8	22.2	Decreased, 1993-2021	No quadratic change	Decreased
							st one s		am (cou	inting a	ny team	is run by	their s	chool or	ŗ			
				64.4	60.1	60.5	61.7	59.6	57.7	63.2	63.7	62.4	61.3	60.8	58.8	No linear change	No quadratic change	No change
					nad a co		on from	playing	a sport	or bein	g physic	cally act	ive (on	e or moi	re	-		
													16.3	16.6	15.5	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.

Montana High School Survey Trend Analysis Report

Total Other **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN84: 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) 74.9 78.5 76.9 76.3 No linear change Not available§ No change QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) 1.5 1.0 1.2 1.0 No linear change Not available No change QN86: Percentage of students who got 8 or more hours of sleep (on an average school night) 32.6 32.8 29.9 28.6 Decreased. Not available No change 2015-2021

^{*}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.

Montana High School Survey Trend Analysis Report

Total Site-Added **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey) No linear change 3.9 3.6 3.3 Not available§ No change QN88: Percentage of students who did not always wear a seat belt when driving (among students who drive a car) 37.0 40.0 30.6 29.5 28.7 Decreased, Not available No change 2013-2021 QN89: Percentage of students who used the Internet or apps on their cell phone while driving (not counting using their cell phone to get driving instructions or to determine their location, on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle) Not available 45.9 51.5 Increased. Increased 2019-2021

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

 $^{^{\}dagger}$ Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Montana High School Survey Trend Analysis Report

Total Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN90: Percentage of students who have been the victim of teasing or name calling because someone thought they were gay, lesbian, or bisexual (during the 12 months before the survey) 10.6 13.3 13.6 Increased, Not available§ No change 2017-2021 QN91: Percentage of students who currently used an electronic vapor product on school property (during the 30 days before the survey) 18.9 13.4 Decreased. Not available Decreased 2019-2021 QN96: Percentage of students who have ever been told by a doctor or a nurse that they have asthma 18.9 20.9 19.5 20.3 19.8 22.2 21.6 21.8 20.8 No quadratic change No change Increased, 2005-2021 QN101: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey) 75.1 77.8 76.8 73.6 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.

 $^{^{\}dagger}$ Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Total Site-A																		
	Health Ri					th Risk	Behavi	ior and	Percei	ntages				Linear Change*	Quadratic Change*	Change from 2019-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
	02: Perceing getting													ng boot	th [not 5.7	Decreased,	Not available [§]	No change
_	3: Perce	_								er, speed	ch therap	oist, or o	other sp	ecial		2013-2021		
cauca	non teae	nici at s	choor (c	rainig ti	ne 12 m	ondis 0	cioic ui	e sui ve	12.5	12.2	12.4	12.4	14.7	14.9	14.8	Increased, 2009-2021	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.

	y and V				Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN8:	Percen	tage of	students	s who di	id not al	lways w	ear a se	at belt (when r	iding in	a car dı	iven by	someo	ne else)				
	85.0	84.7	84.4	78.7	72.7	71.4	66.4	63.2	60.5	60.2	54.7	48.6	48.5	48.1	48.2	Decreased, 1993-2021	No change, 1993-1997 Decreased, 1997-2021	No chang
_	Percentimes du	_				a drive	r who h	ad beer	drinkii	ng alcol	nol (in a	car or o	other ve	hicle, or	ne or	-		
	44.6	49.2	47.1	43.2	39.5	37.0	33.9	31.5	28.1	25.7	24.5	23.1	19.5	17.7	19.4	Decreased, 1993-2021	No quadratic change	No change
times		he 30 d				car or o			-			_						
											15.1	12.3	8.4	8.6	8.1	Decreased, 2013-2021	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.

Male Injury	and V	iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
							ed whil driven											
											55.7	53.8	51.9	50.8	53.3	No linear change	Not available [§]	No change
	: Perce					a weapo	n on scl	hool pro	operty (s	such as	a gun, k	nife, or	club, o	n at leas	st 1			
	22.1	20.5	19.1	15.6	14.6	10.6	16.8	15.6	13.2	14.7	15.0	15.5	11.9	10.4	13.4	Decreased, 1993-2021	Decreased, 1993-1999 Decreased, 1999-2021	Increased
							ot coun						only fo	r huntin	g or			
													11.4	11.7	13.8	Increased, 2017-2021	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.

,	una v	iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
							hool bed he surve		ey felt ι	ınsafe a	t school	l or on t	heir wa	y to or f	from			
	2.8	3.2	4.8	3.1	5.3	3.2	3.8	4.0	3.6	4.2	6.5	4.6	6.3	8.0	5.6	Increased, 1993-2021	No quadratic change	Decreased
ON15		_	student	ts who v	were the	reatened	or inim	red with	ı a wear	on on s	ahaal n					-	-	_
-	o, one o	r more t	imes du				fore the			on on s	есноог р	roperty	(such a	s a gun,	knife,			
-	8.3	r more t	imes du 8.5							9.7	7.6	6.6	(such a	s a gun,	knife, 7.1	No linear change	No change, 1993-2001 Decreased, 2001-2021	Decreased
or club	8.3	8.1	8.5	8.6	e 12 mo 10.4	9.0	fore the	survey) 8.6	9.4	9.7	7.6	6.6	8.4	10.1	7.1	No linear change	C ,	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.

ınjury	y and V	ioience			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
	: Perce			ts who v	were in	a physic	cal fight	on sch	ool prop	erty (or	ne or m	ore time	s durin	g the 12				
	24.4	20.5	19.3	18.8	16.6	14.1	14.8	15.7	14.7	11.7	10.2	10.2	8.5	11.0	7.5	Decreased, 1993-2021	No quadratic change	Decreased
QN19	: Perce	ntage of	studen	ts who v	were ev	er physi	cally fo	rced to	have se	xual int	ercours	e (when	they di	d not w	ant to)	-		
					5.0	6.4	6.3	5.0	4.8	6.6	5.7	5.0	4.8	5.4	6.6	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.

Male Injury	and V	iolence	:															
					Heal	th Risk	Behavi	ior and	Percer	ıtages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	_		
going ointerco	out with ourse] th	n to do s nat they	sexual to	hings [c want to	ounting do, one	such the	iings as re times	ing violokissing, during before	, touchi the 12	ng, or t months	peing ph	nysically	forced	to have	sexual			
											6.4	5.6	2.9	1.8	2.9	Decreased, 2013-2021	Not available [§]	No change
someo with a	ne they 1 object	were d or wea	ating or pon] or	going	out with ore times	[counti s during	ng such the 12	ating vion things months	as bein	g hit, sl	ammed	into so	mething	, or inju				
											6.6	5.5	5.4	7.0	5.8	No linear change	Not available	No change
QN23:	Perce	ntage of	f studen	its who	were bu	llied on	school	propert	y (ever	during	the 12 i	months	before t	ne surve	ey)			
									21.2	23.6	22.3	22.0	16.8	18.4	13.0	Decreased, 2009-2021	No change, 2009-2015 Decreased, 2015-2021	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.

Male Injury	and V	iolence																
					Heal	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
							ally bull months				ıllied thı	ough te	exting, I	nstagrai	m,			
										11.4	10.6	10.9	10.8	12.5	10.9	No linear change	No quadratic change	No change
							less (alr			for >=2	weeks	in a rov	so that	they st	opped			
				20.9	19.6	20.2	17.6	17.7	21.7	19.9	18.0	20.4	22.8	27.5	30.2	Increased, 1999-2021	No change, 1999-2013 Increased, 2013-2021	No change
QN26	Perce	ntage of	studen	ts who s	seriousl	y consid	lered att	temptin	g suicid	le (durir	ng the 12	2 month	s before	the sui	rvey)	-		
	18.7	17.5	17.3	13.8	14.4	13.8	10.2	11.0	14.6	13.4	12.7	12.7	15.4	18.8	15.8	Decreased, 1993-2021	Decreased, 1993-2007 Increased, 2007-2021	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.

		iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN27: the sur		ntage of	studen	ts who i	made a	plan abo	out how	they w	ould atte	empt su	icide (d	uring th	e 12 m	onths be	efore			
	16.3	16.2	14.7	12.6	12.8	11.7	9.9	11.0	11.3	11.4	11.0	11.5	13.6	15.3	14.1	Decreased, 1993-2021	Decreased, 1993-2009 Increased, 2009-2021	No change
QN28: survey		ntage of	studen	ts who a	actually	attemp	ted suici	ide (one	or mor	e times	during	the 12 r	nonths l	before tl	he	-		
	6.4	6.3	5.5	4.0	7.4	6.8	6.7	5.7	7.4	6.0	6.4	6.3	7.3	7.9	8.1	Increased, 1993-2021	No quadratic change	No change
						icide at 2 month				n injury	, poisor	ing, or	overdo	se that h	nad to	-		
	2.1	1.9	1.9	2.7	2.7	2.3	1.8	2.4	2.6	2.2	2.7	2.4	2.2	2.7	2.3	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.

Male Tobac	co Use																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN30:	Perce	ntage of	studen	ts who e	ever trie	d cigare	ette smo	king (e	ven one	or two	puffs)							
	72.6	77.0	75.1	72.6	66.2	63.2	56.1	51.4	50.6	47.2	43.4	39.6	33.6	31.7	28.3	Decreased, 1993-2021	No quadratic change	No change
QN31:					,		,		fore age			,	10.5	9.8	9.6	No linear change	Not available [§]	No change
	Perce	ntage of	studen	ts who d	currentl	y smoke	ed cigar	ettes (o	n at leas	t 1 day	during t	the 30 d	avs befo	ore the				
_		Ü			•	•							ujo oci					_
_		35.7	38.8	35.4	25.4	21.8	19.2	18.6	17.7	18.1	16.0	13.0	12.3	7.7	7.4	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
survey QNFR) 31.5 CIG: F	35.7	38.8 ge of st	35.4	25.4	21.8			17.7				12.3	7.7		,	,	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.

Male Tobac	cco Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QNDA		Percei	ntage of	student	ts who c	currently	y smoke	d cigare	ettes dai	ily (on a	ıll 30 da	ys duri	ng the 3	0 days	before			
	9.5	12.1	13.7	14.3	9.7	8.0	5.4	5.0	7.0	5.0	4.1	2.5	2.2	1.1	0.9	Decreased, 1993-2021	Increased, 1993-1999 Decreased, 1999-2021	No change
						more the				ny (on th	ne days	they sm	oked dı	uring the	e 30			
	13.4	16.6	14.8	14.2	14.7	11.9	9.0	9.9	5.7	8.3	7.5	8.7	5.2	7.5	3.7	Decreased, 1993-2021	No quadratic change	No change
						ed an ele s [such a							, vapes,	vape pe	ens,	-	_	
												53.1	47.3	57.5	46.1	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.

Montana High School Survey Trend Analysis Report

Male Tobacco Use **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey) 31.8 24.0 30.3 23.2 Decreased, Not available§ Decreased 2015-2021 QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 6.4 5.1 14.1 8.7 Increased. Not available Decreased 2015-2021 ONDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) 4.4 3.6 10.2 5.7 Not available Decreased Increased, 2015-2021 QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

33.9

26.7 31.1 24.0

Decreased.

2015-2021

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.

Montana High School Survey Trend Analysis Report

Male **Tobacco Use Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) 9.7 Not available§ 13.8 7.8 Decreased. No change 2017-2021 QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey) 5.5 2.8 2.9 Decreased. Not available No change 2017-2021 QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey) 4.3 2.3 2.1 Decreased. Not available No change 2017-2021

^{*}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.

Male Tobac	co Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
-		_	f studen e survey		currentl	y smok	ed cigar	s (cigar	s, cigari	llos, or	little ci	gars, on	at least	1 day o	during			
				29.1	20.7	18.4	23.7	20.1	23.7	22.1	20.7	16.8	16.1	9.9	6.0	Decreased, 1999-2021	Decreased, 1999-2017 Decreased, 2017-2021	Decreased
-		_				-	oked cig before		_	s or use	ed smoke	eless tol	oacco oi	r electro	onic			
													32.5	33.0	25.6	Decreased, 2017-2021	Not available [§]	Decreased
			age of s				smoked	cigars	frequent	tly (ciga	ars, ciga	rillos, o	or little o	cigars, c	on 20			
				1.8	1.0	1.5	1.5	1.9	2.3	2.0	1.6	1.7	1.5	0.8	0.8	Decreased, 1999-2021	No change, 1999-2011 Decreased, 2011-2021	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.

Montana High School Survey Trend Analysis Report

Male Tobacco Use **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey) Not available§ 23.7 17.3 12.9 Decreased. Decreased 2017-2021 QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) 45.0 33.2 27.7 30.0 27.6 28.2 28.5 25.8 21.2 19.3 12.9 9.6 Decreased, Decreased, 1999-2017 Decreased 1999-2021 Decreased, 2017-2021 QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey) 1.4 0.7 1.4 1.2 1.5 2.0 1.5 1.2 1.3 1.3 0.7 0.7 Decreased. No change, 1999-2009 No change 1999-2021 Decreased, 2009-2021

^{*}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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN40:	Perce	ntage of	studen	ts who l	nad thei	r first d	rink of a	alcohol	before a	ige 13 y	ears (ot	her thar	a few	sips)				
	47.3	47.0	45.9	39.6	40.8	36.1	31.9	29.1	27.8	25.4	22.9	21.8	20.7	19.5	20.0	Decreased, 1993-2021	No quadratic change	No change
		ntage of		ts who	currently	y drank	alcohol	(at leas	t one di	rink of a	alcohol,	on at le	ast 1 da	y durin	g the	-		
	57.2	61.2	60.4	60.1	55.7	49.6	49.2	46.4	42.9	39.7	37.2	33.4	31.5	31.4	28.1	Decreased, 1993-2021	No change, 1993-1999 Decreased, 1999-2021	No change
were fe	emale o	r five o	r more o		f alcoho		binge dr											
													17.9	16.9	15.3	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.

Male Alcoho	ol and	Other I	Orug Us	se				_										
					Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
_		_	f student ours, du				_		er of dri	nks they	y had ir	a row v	vas 10 c	r more				
														7.8	6.5	No linear change	Not available§	No change
ON 44.	Ромоо	ntogo of	fatudan	to rubo i	.a.a.11r.	act the	laabal	thar de	onle bre			vit to th	om (due	in a tha	20	 		_
days be			f student v. amon							someone	e giving	g it to tn	em (aur	ing the	30			
			<i>j</i> , and	ig stude	nts wno	Curren	iy drain	K aicon	01)									
			<i>y</i> , 	ig stude.	nts wno	curren	iy uran	32.9	32.7	29.6	30.0	32.0	36.3	33.6	35.0	No linear change	No quadratic change	No chang
 QN45:			f studen					32.9	32.7				36.3	33.6	35.0	No linear change	No quadratic change	No chang
QN45:								32.9	32.7				36.3	33.6	35.0	No linear change Decreased, 1993-2021	No quadratic change Increased, 1993-1997 Decreased, 1997-2021	
	Perce 29.1	ntage of	f studen	ts who 6	ever use	ed marij 46.3	uana (oi 43.7	32.9 ne or m 39.7	32.7 ore time 43.1	es durin 42.2	g their	life)				Decreased,	Increased, 1993-1997	No chang

^{*}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.

Alcoh	ol and (Other I	Orug Us	se	Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN47:	Perce	ntage of	f studen	ts who	currently	y used r	narijuar	na (one	or more	times o	during th	ne 30 da	ıys befo	re the s	urvey)			
	16.0	22.0	30.3	27.4	28.7	25.8	23.3	22.7	23.7	23.0	22.1	19.6	18.9	20.7	18.3	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
QN48:	Perce	ntage of	f studen	ts who	ever use	d synth	etic mai	rijuana ((one or	more ti	mes dur	ing thei	r life)					
												10.1	7.2	6.6	5.8	Decreased, 2015-2021	Not available [§]	No change
than h	ow a do	ctor tol	d them	to use it		ing drug					a doctor xyConti				rently			
													12.6	10.9	10.3	Decreased, 2017-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
	: Perceire times				ever use	d cocai	ne (any	form of	cocain	e, inclu	ding po	wder, cı	ack, or	freebas	e, one			
	5.3	6.3	10.3	10.5	9.5	8.6	9.8	9.3	9.5	7.5	7.7	5.7	4.7	3.8	4.5	Decreased, 1993-2021	Increased, 1993-1999 Decreased, 1999-2021	No change
ON51	: Percei			ts who e	ever use	ed inhala	ınts (sni	ffed glu	ie. breat	thed the	aontan	ta of oor					-	_
	d any pa	unts or	sprays t	o get hi		or more					conten	is of aer	osol sp	ray cans	s, or			
	d any pa	22.9	sprays t 20.6	o get hi 17.0							9.4	8.2	osol spr	ray cans	s, or 8.1	Decreased, 1995-2021	No quadratic change	No change
inhale QN52		22.9	20.6	17.0	gh, one 15.1	or more	times 15.0	during t	heir life 12.8	11.0	9.4	8.2	5.9	7.6	8.1	,	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.

Male Alcoho	l and (Other I	Orug Us	se														
					Heal	th Risk	Behavi	ior and	Percer	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN53: or "met	Percei h," one	ntage of e or mo	studen re times	ts who	ever use their lit	ed metha fe)	ampheta	amines ((also ca	lled "sp	eed," "c	rystal n	neth," "o	rank," '	'ice,"			
				13.5	12.0	9.0	8.4	4.5	3.9	3.8	4.4	3.8	2.3	2.4	2.2	Decreased, 1999-2021	Decreased, 1999-2009 Decreased, 2009-2021	No change
QN54: heir lif		ntage of	studen	ts who	ever use	ed ecstas	sy (also	called '	'MDM	A" or "N	Molly,"	one or n	nore tim	es duri	ng	.		
						6.8	6.9	6.8	9.1	10.1	9.4	7.4	4.9	4.7	4.4	Decreased, 2003-2021	Increased, 2003-2011 Decreased, 2011-2021	No change
				ts who		ected an	y illega	l drug (used a	needle t	o inject	any ille	gal drug	g into th	eir			
		3.4	3.8	3.5	3.1	2.8	4.2	2.3	4.6	2.4	3.0	2.1	2.0	1.5	1.8	Decreased, 1995-2021	No change, 1995-2005 Decreased, 2005-2021	No change
		ntage of		ts who	were of	fered, so	old, or g	iven an	illegal	drug on	school	propert	y (durin	g the 12	2			
	24.5	34.4	37.8	34.5	32.7	29.2	27.4	27.2	24.5	28.7	24.9	23.6	23.5	23.3	23.2	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	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.

Montana High School Survey Trend Analysis Report

Male **Sexual Behaviors Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN57: Percentage of students who ever had sexual intercourse 53.5 49.1 47.3 43.7 43.9 45.2 44.4 44.8 48.1 49.1 46.0 43.6 41.6 43.3 40.1 Decreased, No quadratic change No change 1993-2021 QN58: Percentage of students who had sexual intercourse for the first time before age 13 years 11.7 9.3 3.5 No quadratic change No change 7.0 8.7 7.0 7.7 6.3 5.7 3.6 3.4 4.5 Decreased, 1993-2021 QN59: Percentage of students who had sexual intercourse with four or more persons during their life 20.8 16.7 16.6 13.0 14.4 15.3 13.3 14.5 17.3 15.5 15.3 14.6 11.9 12.7 10.8 No quadratic change No change Decreased, 1993-2021 QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) 32.8 30.7 29.8 29.1 29.3 30.6 30.0 27.6 30.8 32.6 32.8 30.0 28.9 29.8 28.3 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.

Montana High School Survey Trend Analysis Report

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
-		_	studen ly activ		drank al	cohol o	r used d	rugs be	fore las	t sexual	interco	urse (ar	nong st	ıdents v	who			
		34.9	37.2	40.9	36.7	36.6	33.6	32.2	29.4	24.4	23.5	22.5	20.5	17.7	17.8	Decreased,	No change, 1993-2003	No change

61.5 59.1 53.6 58.2 67.3 64.7 66.9 72.7 77.3 66.5 65.9 63.6 60.9 59.4 57.7 No linear change

Increased, 1993-2009

Decreased, 2009-2021

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.

Weigh	it Mana	agemen	t and I	Dietary			Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		2019-2021
QN66:	Perce	ntage of	f studen	ts who	describe	ed them:	selves a	s slightl	y or vei	y overv	weight							
	21.2	21.4	17.5	21.7	20.0	21.7	23.4	21.9	24.8	21.6	21.5	23.8	25.2	23.7	25.3	Increased, 1993-2021	No quadratic change	No change
based o	on sex-	and age	e-specif	ic reference 12.3	ence dat	a from	13.0	13.8	growth (charts) [§]	14.6	15.1	for bod 14.9	12.2	13.7	Increased, 1999-2021	Increased, 1999-2015 No change, 2015-2021	No change
							y (>= 9 wth cha		centile f	or body	mass ii	ndex, ba	ased on	sex- and	i			
				8.4	8.3	11.2	13.9	13.7	13.0	11.4	12.9	13.0	14.5	13.5	14.9	Increased, 1999-2021	Increased, 1999-2005 No change, 2005-2021	No change
QN67:	Perce	ntage of	studen	ts who	were try	ing to 1	ose wei	ght								-	-	
	21.8	21.6	19.5	20.8	23.5	23.0	24.2	26.1	25.8	25.8	25.7	27.7	28.5	27.7	30.1	Increased, 1993-2021	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.

[§]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. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change fron 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
_	: Perce	ntage of vey)	studen	ts who	did not	drink fr	uit juice	(100%	fruit jui	ices one	or mor	e times	during	the 7 da	iys			
				13.8	16.2	18.1	18.8	16.8	20.2	17.1	19.7	23.1	23.8	30.0	31.3	Increased, 1999-2021	Increased, 1999-2013 Increased, 2013-2021	No change
QN69	: Perce	ntage of	studen	ts who	did not	eat fruit	(one or	more ti	mes du	ring the	7 days	before 1	the surv	ey)		-		
				12.2	13.1	13.4	12.7	13.1	13.0	12.1	10.2	11.3	11.1	12.8	11.4	Decreased, 1999-2021	No quadratic change	No change
		centage uring th					it or dri	nk 1009	% fruit j	uices (s	such as o	orange j	uice, ap	ple juic	e, or			
											4.6	6.5	5.5	6.9				

^{*}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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
						iit or dra 7 days l				ne or m	ore time	es per d	ay (sucl	n as ora	nge			
				62.0	61.0	58.8	60.9	60.5	60.3	61.0	61.1	61.7	59.7	55.5	53.5	Decreased, 1999-2021	No change, 1999-2015 Decreased, 2015-2021	No change
						iit or dra 7 days l				wo or m	nore tim	es per d	ay (sucl	h as ora	nge			
				29.9	28.4	28.6	28.1	27.7	27.6	27.8	28.5	28.8	25.3	24.4	23.5	Decreased, 1999-2021	No quadratic change	No change
QN70	: Percei	ntage of	studen	ts who d	did not	eat gree	n salad ((one or	more ti	mes dur	ring the	7 days l	pefore the	he surve	ey)	-		

^{*}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.

Male Weigl	nt Mana	agemen	t and D)ietary	Behavi	ors												
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN71	: Perce	ntage of	studen	ts who	did not	eat pota	toes (or	ne or mo	ore time	s during	g the 7 d	lays bef	ore the	survey)				
				18.1	18.2	20.8	25.3	26.1	27.4	24.2	23.6	26.4	26.7	30.7	31.0	Increased, 1999-2021	No quadratic change	No change
QN72	: Perce	ntage of	studen	ts who	did not	eat carro	ots (one	or mor	e times	during	the 7 da	ys befo	re the su	irvey)			_	
				41.5	38.4	43.2	41.8	42.5	41.0	42.3	40.7	43.0	44.8	44.8	44.7	Increased, 1999-2021	No quadratic change	No change
QN73 survey		ntage of	studen	ts who	did not	eat othe	r vegeta	ables (o	ne or me	ore time	es durin	g the 7	days bef	ore the		_		
				12.7	13.9	16.3	16.5	16.8	18.5	16.3	15.8	18.0	18.4	19.6	18.1	Increased, 1999-2021	Increased, 1999-2003 No change, 2003-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
											es [exclue e survey		ench fr	ies, fried	d			
				3.1	3.3	4.2	4.9	5.0	6.2	4.5	4.8	6.3	5.3	6.6	6.3	Increased, 1999-2021	No quadratic change	No change
											green sa e 7 days				ng	-		
				68.9	69.9	65.2	64.6	65.1	65.2	66.1	66.1	66.3	63.0	61.9	59.7	Decreased, 1999-2021	No quadratic change	No change
											green sa e 7 days				ng			

^{*}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.

					Healt	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
							es three or othe								ling			
				12.6	14.6	12.6	13.6	12.5	14.0	13.8	13.9	14.8	12.3	12.0	10.9	No linear change	No change, 1999-2015	No change
																	Decreased, 2015-2021	
							can, bott s during						oke, Per	osi, or S	prite,		Decreased, 2015-2021	_
													oke, Pep 20.6	22.0	prite, 25.2	Increased, 2007-2021	No quadratic change	Increased
QNSC	unting o	liet soda	a or diet	pop, or	who dra	ore time		the 7 of 16.0 e, or gla	11.5 ss of so	14.9 oda or p	survey) 19.8 op one o	20.6	20.6	22.0	25.2	,		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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change [*]	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
						ank a ca oda or c							times p	er day ((such			
								20.3	20.2	19.3	14.0	14.4	10.7	9.3	7.8	Decreased,	No change, 2007-2011	No change
																2007-2021	Decreased, 2011-2021	
QN75	: Percei	ntage of	student	ts who c	did not o	drink mi	lk (duri	ng the ´	7 days b	efore th	ne surve	y)				2007-2021	Decreased, 2011-2021	
QN75	: Percei	ntage of	student	ts who c	did not o	drink mi	lk (duri	ng the ´	7 days b	efore th	ne surve	y) 11.9	13.1	16.3	17.0	Increased, 2013-2021	Decreased, 2011-2021 Not available [§]	No change
QNM glass	 ILK1: F	Percenta	ge of st	udents v	who dra	drink mi	or more	glasses	per day	y of mil	10.5 k (coun	11.9	milk th	ey dran	ık in a	Increased,	<u> </u>	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
a glas		from a	carton,	or with					es per da int of m									
											18.4	17.5	15.5	12.4	11.9	Decreased, 2013-2021	Not available [§]	No change
QN76	: Percei	ntage of	student	ts who c	lid not e	eat brea	kfast (dı	uring th	e 7 days	s before	the sur	vey)						
										11.0	11.7	13.4	11.2	14.1	16.4	Increased, 2011-2021	No quadratic change	No change
								-						-	-	-		
QNBI	K7DAY	Perce	ntage of	student	ts who a	ate brea	kfast on	all 7 da	ays (dur	ing the	7 days l	oefore t	he surve	ey)				

^{*}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.

Male Physic	cal Acti	vity																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
of phy		tivity th				ysically t rate an												
										61.4	61.4	60.1	62.0	58.1	57.6	Decreased, 2011-2021	No quadratic change	No chang
day (ir	any ki	nd of pl		activity		did not pereased t												
										8.8	9.0	9.2	8.9	10.0	9.6	No linear change	No quadratic change	No chang
kind o		al activ				were phy												
										36.1	35.4	36.3	37.0	31.1	33.7	Decreased.	No quadratic change	No chang

^{*}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.

•	cal Acti	•			Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
		ntage of re in scl		ts who a	attended	l physic	al educa	ation (P	E) class	es on 1	or more	e days (in an av	erage w	eek			
	56.0	54.3	56.4	56.7	55.6	60.7	63.2	59.1	61.8	60.8	59.5	59.5	61.2	62.0	57.2	Increased, 1993-2021	Increased, 1993-2005 No change, 2005-2021	No change
		Percenta re in scl		tudents	who att	ended p	hysical	educati	ion (PE)	classes	s on all	5 days (in an av	erage w	/eek	-		
	41.8	35.2	33.7	38.6	34.5	36.7	38.4	37.4	35.4	37.0	38.7	36.8	38.8	37.7	24.2	No linear change	No quadratic change	Decreased
							st one s		am (cou	inting a	ny tean	ns run b	y their s	chool o	r			
				67.4	61.4	65.9	65.8	61.8	60.7	64.7	65.7	64.1	63.8	62.1	59.5	Decreased, 1999-2021	No quadratic change	No change
			studen				n from	playing	a sport	or bein	g physi	cally ac	tive (on	e or mo	re			
	_					-												

^{*}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.

Montana High School Survey Trend Analysis Report

Male Other **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN84: 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) Not available§ 73.0 77.2 76.1 74.6 No linear change No change QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) 1.9 1.6 1.4 No linear change Not available No change QN86: Percentage of students who got 8 or more hours of sleep (on an average school night)

35.8

34.8

30.8

28.9

Decreased.

2015-2021

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.

Montana High School Survey Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey) No linear change 4.5 4.2 4.2 Not available§ No change QN88: Percentage of students who did not always wear a seat belt when driving (among students who drive a car) 43.0 43.3 35.9 34.4 34.6 Decreased, Not available No change 2013-2021 QN89: Percentage of students who used the Internet or apps on their cell phone while driving (not counting using their cell phone to get driving instructions or to determine their location, on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle) Not available 44.2 49.8 Increased. Increased 2019-2021

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

 $^{^{\}dagger}$ Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Montana High School Survey Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN90: Percentage of students who have been the victim of teasing or name calling because someone thought they were gay, lesbian, or bisexual (during the 12 months before the survey) 10.4 13.3 11.5 No linear change Not available§ No change QN91: Percentage of students who currently used an electronic vapor product on school property (during the 30 days before the survey) 21.1 12.9 Decreased. Not available Decreased 2019-2021 QN96: Percentage of students who have ever been told by a doctor or a nurse that they have asthma 18.2 20.3 19.9 20.3 19.2 21.3 21.0 22.2 20.5 No linear change No quadratic change No change QN101: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey) 69.6 73.1 71.9 68.5 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.

 $^{^{\}dagger}$ Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Montana High School Survey Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN102: Percentage of students who used an indoor tanning device (such as a sunlamp, sunbed, or tanning booth [not counting getting a spray-on tan], one or more times during the 12 months before the survey) 7.2 6.8 4.6 3.7 4.5 Decreased, Not available§ No change 2013-2021 QN103: 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) No quadratic change 12.6 13.2 12.5 12.9 14.5 15.2 14.0 No linear 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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN8:	Percen	tage of	students	who di	d not al	ways w	ear a se	at belt (when ri	ding in	a car dı	iven by	someo	ne else)				
	79.7	80.9	80.9	68.1	64.8	62.7	58.2	59.0	57.7	54.1	49.4	50.0	48.3	47.0	43.6	Decreased, 1993-2021	Decreased, 1993-2005 Decreased, 2005-2021	No change
				who ro			r who h	ad been	drinkir	ng alcoh	nol (in a	car or o	other ve	hicle, or	ne or	_		
	47.2	46.8	46.2	42.9	39.0	36.4	34.5	34.5	29.5	26.5	24.3	22.9	19.9	20.1	22.0	Decreased, 1993-2021	No quadratic change	No change
times		he 30 d					ther veh											
											9.6	9.3	6.7	5.5	6.9	Decreased, 2013-2021	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.

	njury and Violence Health Risk Behavior and Percentages														Linear Change [*]	Quadratic Change [*]	Change from 2019-2021	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
							ed whil driven											
														- - 0	-4.0			
											55.8	55.6	56.6	56.0	61.3	Increased, 2013-2021	Not available [§]	No change
			f studen			a weapo	on on scl	hool pro	operty (such as							Not available ^s	No change
						a weapo	on on scl	hool pro	operty (s	such as							Not available ^s Decreased, 1993-2001 Increased, 2001-2021	No change
day du	4.5 Percer	3.8 3.8 ntage of	5.4 f studen	2.5 ts who	2.1 carried a	3.2 a gun (n		3.7	2.3	3.5	a gun, k 4.5 y carrie	5.4	club, o	n at leas	et 1 4.2	2013-2021	Decreased, 1993-2001	

^{*}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.

Femal Injury	-	iolence																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
						go to sc before t			ey felt ı	ınsafe a	t schoo	l or on t	heir wa	y to or i	from			
	2.1	2.2	3.9	2.8	5.2	3.5	4.0	4.4	6.9	4.2	11.1	5.3	9.5	10.5	7.4	Increased, 1993-2021	No quadratic change	Decreased
_		_				eatened				oon on s	school p	roperty	(such a	s a gun,	knife,			
	4.8	4.4	5.6	4.1	5.9	4.8	5.8	5.3	5.3	5.0	4.8	4.3	5.2	5.2	4.9	No linear change	No quadratic change	No change
QN16: survey		ntage of	studen	ts who	were in	a physic	cal fight	t (one or	r more t	imes du	ring the	2 12 mo	nths bef	Fore the			-	
	32.9	25.8	22.5	21.4	23.2	21.2	23.0	25.3	24.7	19.3	15.4	16.4	14.5	16.9	13.2	Decreased, 1993-2021	No quadratic change	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.

Injury :	and V	iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change [*]	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN17: months		_		ts who v	were in	a physic	cal fight	on sch	ool prop	erty (or	ne or mo	ore time	s during	g the 12				
	9.5	8.0	7.4	6.1	7.5	6.0	6.8	8.1	6.8	6.3	4.1	4.8	3.8	4.7	2.7	Decreased, 1993-2021	No quadratic change	Decreased
QN19:	Percer	ntage of	studen	ts who v	were ev	er physi	cally fo	rced to	have se	xual int	ercourse	e (when	they di	d not w	ant to)	-		
					12.7	13.4	13.9	12.7	13.7	13.2	11.9	12.7	14.0	14.2	15.3	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.

Montana High School Survey Trend Analysis Report

Female **Injury and Violence Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to do, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) Not available§ 15.6 14.4 10.0 10.9 13.2 Decreased, No change 2013-2021 QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) 11.0 10.8 9.0 8.5 8.4 Decreased. Not available No change 2013-2021 QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) 24.8 28.4 30.5 29.0 26.8 25.8 17.8 Increased, 2009-2013 Decreased Decreased, 2009-2021 Decreased, 2013-2021

^{*}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.

Femal Injury		iolence																
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
						ectronic g the 12					ıllied th	rough te	exting, l	nstagra	m,			
										27.3	25.9	26.6	24.9	23.3	21.8	Decreased, 2011-2021	No quadratic change	No change
						or hope 12 mon				for >=2	weeks	in a rov	v so tha	they st	copped			
				30.9	33.8	33.1	34.0	34.0	33.2	30.8	35.4	38.8	39.9	46.0	52.6	Increased, 1999-2021	No change, 1999-2013 Increased, 2013-2021	Increased
QN26	Perce	ntage of	f studen	ts who	seriousl	y consid	lered att	emptin	g suicid	e (durir	ng the 1	2 month	s before	e the su	rvey)	-		
	32.2	26.5	30.9	23.2	24.4	24.2	25.0	19.3	20.3	17.1	21.1	25.5	26.8	28.0	27.4	Decreased, 1993-2021	Decreased, 1993-2011 Increased, 2011-2021	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.

Femal Injury		iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change [*]	Change from
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		2019-2021 [†]
QN27: the sur		ntage of	f studen	ts who	made a	plan ab	out how	they w	ould atte	empt su	icide (d	uring th	e 12 m	onths be	efore			
	25.7	22.4	23.0	18.4	20.0	18.0	19.2	15.4	15.5	13.1	16.4	19.8	19.9	23.5	21.5	Decreased, 1993-2021	Decreased, 1993-2011 Increased, 2011-2021	No change
QN28: survey		ntage of	f studen	ts who	actually	attemp	ted suic	ide (one	or mor	e times	during	the 12 r	nonths 1	before tl	he			
	11.6	10.7	11.5	9.5	13.3	12.3	13.3	9.9	7.9	6.9	9.3	11.5	11.7	11.9	11.9	No linear change	No quadratic change	No change
							tempt th			n injury	, poisor	ing, or	overdo	se that h	nad to			
	4.2	3.7	2.8	2.4	4.7	3.8	4.1	3.1	3.0	2.4	2.5	4.0	3.9	4.4	3.9	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.

Montana High School Survey Trend Analysis Report

Female

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN30:	Percei	ntage of	studen	ts who e	ever trie	d cigare	ette smo	king (e	ven one	or two	puffs)							
	66.4	68.4	71.5	67.9	66.5	58.5	54.4	52.5	49.4	40.6	38.6	38.7	34.1	30.4	27.0	Decreased, 1993-2021	No change, 1993-2001 Decreased, 2001-2021	No change
QN31:	Percei	ntage of	studen	ts who f	first trie	d cigare	ette smo	king be	fore age	e 13 yea	rs (evei	one or	-		0.2	No Paragraph	N	
01100													10.5	9.9	9.2	No linear change	Not available [§]	No change
		ntage of	studen	ts who	currently	y smoke	ed cigare	ettes (or	n at leas	t 1 day	during	he 30 d		-	9.2	No linear change	Not availables	No change
QN32: survey)		ntage of	f student	34.6	31.8	y smoke 23.9	ed cigare 20.9	21.3	n at leas	14.8	during	the 30 d		-	6.5	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
survey)	29.9 CIG: P	33.8 Percenta	37.3 ge of st	34.6	31.8	23.9	_	21.3	19.8	14.8	14.4	13.2	ays befo	ore the	6.5	Decreased,	Increased, 1993-1997	

^{*}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.

Femal Tobac	le co Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QNDA		Percei	ntage of	student	ts who c	currently	smoke	d cigar	ettes dai	ily (on a	ıll 30 da	ys durii	ng the 3	0 days	before			
	8.4	11.3	14.0	11.8	11.5	7.8	6.1	5.2	4.8	4.4	3.2	1.9	1.9	1.2	0.7	Decreased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
						more the				y (on th	ne days	they sm	oked dı	uring th	e 30		-	
	10.1	9.6	9.3	8.9	10.8	9.5	5.1	5.6	2.4	5.0	3.7	2.2	3.8	2.2	2.7	Decreased, 1993-2021	No quadratic change	No change
						ed an ele							vapes,	vape pe	ens,			
												49.0	45.8	59.1	50.6	Increased, 2015-2021	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.

Montana High School Survey Trend Analysis Report

Female Tobacco Use **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey) 27.2 20.7 30.0 27.9 Increased, Not available§ No change 2015-2021 QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 2.7 2.1 11.0 12.2 Increased. Not available No change 2015-2021 ONDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) 1.5 1.1 7.1 7.7 Not available No change Increased, 2015-2021 QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 30.3 25.3 30.9 28.2 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.

Femal Tobac	le co Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
dissolv	vable to	bacco p	roducts	ts who c [such a ring the	s Coper	hagen,	Grizzly	, Skoal,							vapor			
													5.3	2.5	2.5	Decreased, 2017-2021	Not available [§]	No change
snus, c	or dissol	lvable to	bacco j	tudents products	s [such	as Cope	nhagen,	, Grizzl	y, Skoa	l, or Ĉai	mel Snu				dip,			
													0.8	0.4	0.6	No linear change	Not available	No change
or diss	olvable	tobacco	o produ	f student cts [sucl	h as Co	penhage	n, Griz	zly, Sko	oal, or C									
													0.5	0.3	0.5	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.

Femal Tobac																		
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change [*]	Quadratic Change [*]	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
			f studen e survey		currentl	y smoke	ed cigar	s (cigar	s, cigari	llos, or	little cig	gars, on	at least	1 day c	luring			
				11.0	8.2	9.4	11.0	10.6	11.6	9.6	10.4	8.2	9.2	4.8	2.9	Decreased, 1999-2021	No change, 1999-2017 Decreased, 2017-2021	Decreased
							ked ciga before			or use	d smoke	eless tol	oacco oi	electro	onic	-		
				Ĭ	Ü	·			• /				27.8	31.2	28.4	No linear change	Not available [§]	No change
					who cu		smoked	cigars	frequent	ly (ciga	ars, ciga	rillos, c	or little o	igars, o	on 20			
				0.8	0.6	0.9	1.1	0.5	0.5	0.6	0.5	0.4	0.7	0.3	0.3	Decreased, 1999-2021	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.

Fema Tobac	cco Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
		centage e 30 day				ntly smo	ked cig	arettes o	or cigars	s or use	d smoke	eless tob	oacco (c	n at lea	st 1			
													16.9	10.4	8.6	Decreased, 2017-2021	Not available [§]	No change
QNTE		centage	of stude	ents who	o currer	ntly smo	ked cig	arettes o	or cigars	s (on at	least 1 o	lay duri		:		,	Not available [§]	No change
_		centage	of stude	ents who	33.4	ntly smo	ked cig	arettes of	or cigars	s (on at	least 1 o	lay duri 16.7		:		,	Not available [§] Decreased, 1999-2017 Decreased, 2017-2021	No change
the sur	rvey) AYCGR		entage o	36.8 f studer	33.4	•	23.7	24.4	24.4	18.6	18.8	16.7	14.7	30 days 9.3	before 7.2	Decreased,	Decreased, 1999-2017	

^{*}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.

-								tages						Linear Change*	Quadratic Change*	2019-2021
93 1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
rcentage o	f studen	ts who l	nad thei	r first dı	rink of a	lcohol	before a	ige 13 y	ears (ot	her thar	a few	sips)				
.8 31.1	31.6	26.4	28.9	24.4	23.2	22.6	20.0	16.9	16.6	17.1	17.3	15.3	16.3	Decreased, 1993-2021	No quadratic change	No change
		ts who	currently	y drank	alcohol	(at leas	st one dr	rink of a	alcohol,	on at le	ast 1 da	y during	g the			
.1 54.9	57.5	55.0	52.5	48.9	48.0	46.7	42.8	36.9	36.9	35.0	34.8	35.5	34.9	Decreased, 1993-2021	No quadratic change	No change
														1993-2021		
rce	31.1 entage of the surface of the su	31.1 31.6 entage of studen re the survey) 54.9 57.5 entage of studen	31.1 31.6 26.4 entage of students who dre the survey) 54.9 57.5 55.0 entage of students who dentage	31.1 31.6 26.4 28.9 entage of students who currently re the survey) 54.9 57.5 55.0 52.5 entage of students who currently	31.1 31.6 26.4 28.9 24.4 entage of students who currently drank re the survey) 54.9 57.5 55.0 52.5 48.9 entage of students who currently were better the students who currently were better the survey of the sur	31.1 31.6 26.4 28.9 24.4 23.2 entage of students who currently drank alcohol re the survey) 54.9 57.5 55.0 52.5 48.9 48.0 entage of students who currently were binge dr	31.1 31.6 26.4 28.9 24.4 23.2 22.6 entage of students who currently drank alcohol (at least the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 entage of students who currently were binge drinking of the survey of the	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 entage of students who currently drank alcohol (at least one dree the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 entage of students who currently were binge drinking (had fou	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 16.9 entage of students who currently drank alcohol (at least one drink of a re the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 36.9 entage of students who currently were binge drinking (had four or more than the survey) and the survey of the survey o	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 16.9 16.6 entage of students who currently drank alcohol (at least one drink of alcohol, re the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 36.9 36.9 entage of students who currently were binge drinking (had four or more drink of alcohol).	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 16.9 16.6 17.1 entage of students who currently drank alcohol (at least one drink of alcohol, on at least the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 36.9 36.9 35.0 entage of students who currently were binge drinking (had four or more drinks of alcohol).	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 16.9 16.6 17.1 17.3 entage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 days the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 36.9 36.9 35.0 34.8 entage of students who currently were binge drinking (had four or more drinks of alcohol in	entage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 36.9 36.9 35.0 34.8 35.5 entage of students who currently were binge drinking (had four or more drinks of alcohol in a row in	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 16.9 16.6 17.1 17.3 15.3 16.3 entage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the re the survey)	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 16.9 16.6 17.1 17.3 15.3 16.3 Decreased, 1993-2021 entage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the re the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 36.9 36.9 35.0 34.8 35.5 34.9 Decreased, 1993-2021 entage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they	31.1 31.6 26.4 28.9 24.4 23.2 22.6 20.0 16.9 16.6 17.1 17.3 15.3 16.3 Decreased, 1993-2021 entage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the re the survey) 54.9 57.5 55.0 52.5 48.9 48.0 46.7 42.8 36.9 36.9 35.0 34.8 35.5 34.9 Decreased, 1993-2021 entage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they

^{*}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.

Female Alcoho		Other I	Orug Us	se														
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
							e largest the sur		er of dri	nks the	y had in	a row v	vas 10 d	or more				
														3.5	2.5	No linear change	Not available [§]	No change
							alcohol tly dranl			someon	e giving	g it to the	em (dur	ring the	30			
dayso	ciore u	e sui ve	y, amoi	ig stude	nts who	current	iry drain	45.0	43.8	39.3	42.9	37.8	43.8	44.8	41.0	No linear change	No quadratic change	No change
QN45:	Perce	ntage of	f studen	ts who	ever use	d marij	uana (oi	ne or m	ore time	es durin	g their	life)	,					
	24.3	30.7	41.8	41.7	45.7	41.5	39.4	38.3	41.3	36.0	36.9	38.1	39.2	41.5	39.4	Increased, 1993-2021	Increased, 1993-1997 Decreased, 1997-2021	No change
QN46:	Perce	ntage of	fstuden	ts who	tried ma	rijuana	for the	first tim	e befor	e age 13	3 years							
	5.4	5.2	6.6	8.5	10.3	7.2	7.7	7.8	8.2	5.8	6.6	7.3	6.6	7.4	7.2	No linear change	Increased, 1993-2001 Decreased, 2001-2021	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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN47:	Percei	ntage of	student	ts who	currently	y used n	narijuan	a (one o	or more	times d	luring th	ne 30 da	ys befo	re the sı	urvey)			
	11.0	18.1	23.2	23.4	25.5	19.9	21.1	19.3	22.5	19.4	19.9	19.5	20.5	21.8	21.1	No linear change	Increased, 1993-1997 Decreased, 1997-2021	No change
QN48:	Percei	ntage of	student	ts who	ever use	d synthe	etic mar	ijuana (one or	more tir	nes dur	ing thei	r life)		•			
												8.9	7.3	6.4	7.2	Decreased, 2015-2021	Not available [§]	No change
than h	ow a do	ctor tole	d them t	to use it	ever too (counti heir life	ng drug									rently			
													14.6	14.5	13.6	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
		ntage of during			ever use	ed cocai	ne (any	form of	cocaine	e, inclu	ding po	wder, cı	rack, or	freebase	e, one			
	4.7	5.7	8.6	8.9	9.2	8.8	8.5	7.2	4.7	4.6	4.9	4.5	3.8	4.2	3.4	Decreased, 1993-2021	Increased, 1993-2001 Decreased, 2001-2021	No change
		aints or	sprays t	o get hi	gh, one	or more	e times	during t	heir life	e)	conten						N 1 1 1	
											content	ts of aer	rosol sp	ray cans	s, or 9.0	Decreased, 1995-2021	No quadratic change	No change
inhale QN52	l any pa	aints or 18.9	sprays t 21.1 student	to get hi	gh, one 14.7	or more	times of 15.3	during t	heir life 15.7	12.1		7.9	6.5	8.3	9.0	,	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.

Female Alcohol an	ıd O	ther D	Orug U	se														
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991 199	93	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN53: Per or "meth,"							ampheta	amines	(also ca	lled "sp	eed," "o	erystal n	neth," "c	crank,"	"ice,"			
				13.6	13.2	9.4	8.0	4.7	2.2	2.4	2.7	2.2	1.9	2.1	1.6	Decreased, 1999-2021	Decreased, 1999-2011 Decreased, 2011-2021	No change
QN54: Per their life)	rcent	tage of	studen	ts who	ever use	ed ecsta	sy (also	called '	'MDMA	A" or "N	Molly,"	one or r	nore tim	es duri	ng	-		
						5.2	5.1	5.2	5.2	6.2	6.6	4.6	3.9	3.7	4.0	Decreased, 2003-2021	No change, 2003-2013 Decreased, 2013-2021	No change
QN55: Per body, one o						ected ar	y illega	l drug (used a r	needle to	o inject	any ille	gal drug	g into th	neir			
		1.6	1.8	1.3	2.1	2.0	2.3	1.6	2.8	1.5	1.7	1.3	1.5	0.4	1.0	Decreased, 1995-2021	No change, 1995-2013 Decreased, 2013-2021	Increased
QN56: Per months bef				ts who	were of	fered, so	old, or g	iven an	illegal	drug on	school	propert	y (durin	g the 12	2			
19.	.3	24.6	31.1	25.1	26.3	24.7	23.0	22.4	16.4	21.3	20.6	19.8	19.9	21.5	21.2	Decreased, 1993-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN57:	Perce	_			ever had	l sexual 41.7	interco		47.0	16.6	16.0	115	11.0	116	42.9	No linear shares	No and dusting shows a	No about
	48.4	44.7	44.4	41.0	43.7	41.7	42.0	46.4	47.0	46.6	46.0	44.5	44.8	44.6	42.8	No linear change	No quadratic change	No change
QN58:	Perce	ntage of	f studen	ts who l	nad sexu	ual inter	course	for the f	irst tim	e before	age 13	years						
	5.1	3.3	4.1	3.4	3.5	2.7	2.8	3.4	3.7	2.4	2.8	2.5	2.3	2.8	1.9	Decreased, 1993-2021	No quadratic change	No change
QN59:	Perce	ntage of	f studen	ts who l	nad sexu	ual inter	course	with fou	ır or mo	ore perso	ons duri	ng their	life			-	_	
	14.8	14.1	14.5	10.9	13.2	12.3	12.5	12.7	14.7	14.5	13.9	12.3	12.8	11.6	10.4	Decreased, 1993-2021	No quadratic change	No change
	Perce					rrently s	sexually	active	(had sex	kual inte	ercourse	with at	least o	ne perso	on,			-
	the 3 n	nontns t	berore u	ic sui ve	<i>y)</i>													

^{*}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.

Montana High School Survey Trend Analysis Report

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN61:		_	student		irank al	cohol o	r used d	rugs be	fore last	sexual	interco	urse (an	nong sti	ıdents v	vho			
were c	untentry																	

41.5 48.8 43.9 55.0 48.7 54.7 56.5 55.8 58.4 58.6 57.2 55.4 50.7 51.9 46.6

No change

Increased, 1993-2009

Decreased, 2009-2021

Increased, 1993-2021

^{*}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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN66:	Perce	ntage of	studen	ts who	describe	d thems	selves a	s slightl	y or ver	y overv	weight							
	49.5	37.4	39.5	39.0	41.0	40.4	40.2	36.4	33.4	31.5	34.3	35.6	36.2	37.1	31.6	Decreased, 1993-2021	Decreased, 1993-1997 Decreased, 1997-2021	Decreased
		rcentage and age		ic refere	ence dat	a from	the 2000) CDC {	growth (charts)§	-							
				9.0	10.5	11.4	12.6	12.9	9.2	11.6	11.2	14.9	14.2	13.8	14.4	Increased, 1999-2021	No quadratic change	No change
		Percenta							centile f	or body	mass ii	ndex, ba	sed on s	sex- and	l			
				3.5	3.7	4.4	4.4	6.3	7.4	5.4	5.6	7.4	8.7	9.4	8.6	Increased, 1999-2021	No quadratic change	No change
)N67:	Perce	ntage of	studen	ts who	were try	ing to l	ose weig	ght			-	-		-	-			

^{*}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. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change [*]	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
-	: Perce	_	f studen	ts who	did not	drink fru	uit juice	(100%	fruit jui	ices one	or mor	e times	during	the 7 da	ıys			
				16.2	16.9	18.3	18.4	18.7	19.7	18.3	24.4	25.5	30.1	34.9	37.5	Increased, 1999-2021	No change, 1999-2011 Increased, 2011-2021	No change
QN69	: Perce	ntage of	f studen	ts who	did not	eat fruit	(one or	more ti	mes du	ring the	7 days	before t	he surv	ey)		-		
				9.2	10.7	10.9	12.1	9.1	9.4	8.0	7.1	8.1	8.1	9.0	9.2	Decreased, 1999-2021	No quadratic change	No chang
			of stude			t eat fru vey)	it or dri	nk 100	% fruit j	uices (s	such as	orange j	uice, ap	ple juic	ce, or	-		
grape.																		

^{*}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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
						iit or dra 7 days l				ne or m	ore time	es per d	ay (sucl	ı as ora	nge			
				61.0	61.7	58.5	57.7	60.8	61.0	62.1	61.2	58.1	57.0	54.1	51.4	Decreased, 1999-2021	No change, 1999-2013 Decreased, 2013-2021	No change
						iit or dra 7 days l				wo or m	ore tim	es per d	ay (sucl	n as ora	nge			
				27.6	28.9	25.6	24.1	26.4	27.1	25.9	28.0	26.1	25.2	23.5	22.6	Decreased, 1999-2021	No quadratic change	No change
QN70	: Percei	ntage of	student	ts who d	did not	eat gree	n salad ((one or	more ti	mes dur	ring the	7 days l	before the	ne surve	ey)			
				20.9	23.4	22.9	25.4	25.1	24.3	25.2	24.1	28.9	28.6	29.2	32.3	Increased,	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN71:	Percei	ntage of	studen	ts who	did not o	eat potat	oes (on	e or mo	re times	s during	the 7 d	ays bef	ore the	survey)				
				21.7	25.2	24.9	28.2	26.4	26.8	26.9	30.0	28.9	31.6	33.8	36.1	Increased, 1999-2021	No quadratic change	No change
QN72:	Percei	ntage of	studen	ts who	did not e	eat carro	ots (one	or more	e times	during t	he 7 da	ys befor	re the su	ırvey)				
				39.0	41.0	39.8	43.1	43.0	40.4	43.2	42.3	43.4	44.5	43.1	44.4	Increased, 1999-2021	No quadratic change	No change
QN73: survey		ntage of	studen	ts who	did not e	eat other	vegeta	bles (or	ne or mo	ore time	s during	g the 7 o	days be	fore the				
				12.0	11.4	13.3	13.6	13.2	12.1	11.7	11.4	12.5	14.0	14.5	14.2	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
											es [excl e survey		ench fr	ies, frie	d			
				2.0	2.9	2.9	2.6	2.6	2.6	2.3	2.9	3.9	3.9	4.3	4.2	Increased, 1999-2021	No quadratic change	No change
											green sa e 7 days				ng	-		
				71.0	68.2	68.2	63.5	64.7	67.0	66.9	67.6	65.5	62.5	62.5	60.5	Decreased, 1999-2021	No quadratic change	No change
											(green sa e 7 days				ng	-		
				31.9	31.8	27.5	26.3	25.0	30.9	26.9	29.4	26.8	25.5	24.8	24.2	Decreased.	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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QNVEC															ing			
				11.4	13.6	10.6	11.1	10.9	12.0	9.8	12.5	11.9	10.8	11.4	11.4	No linear change	No quadratic change	No change
QN74:											survey)		29.9	osi, or S 35.2	prite,	Increased, 2007-2021	No quadratic change	No chang
QNSOD	nting d	iet soda	or diet	pop, or	who dra	nnk a ca	s during	g the 7 c 24.3 e, or gla	25.9 ss of so	23.9 da or po	survey) 33.1	31.1	29.9		36.5	,	No quadratic change	No chanş

^{*}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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
					who drang diet s								times p	er day ((such			
								12.4	8.7	9.5	7.1	6.7	6.2	3.8	3.9	Decreased,	No quadratic change	No chang
								12.4	0.7	9.3	7.1	0.7	0.2	3.0	3.9	2007-2021	140 quadratic change	No chang
QN75	: Perce	ntage of	studen	ts who	did not o	drink m	ilk (duri						0.2		J.9 	,	No quadratic change	No change
QN75	: Perce	ntage of	studen	ts who	did not o	drink m	ilk (duri						25.1	30.9	36.5	,	Not available [§]	Increased
QNM glass	ILK1: l	Percenta	ige of st	udents	who dra	nnk one	or more	ng the	7 days b	pefore the	he surve 17.4	20.0	25.1 milk th	30.9	36.5 ak in a	2007-2021 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.

[§]Not enough years of data to calculate.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	•		
a glass	or cup,	from a		or with					es per da oint of m									
											10.5	8.5	7.3	5.3	4.8	Decreased, 2013-2021	Not available [§]	No change
QN76	Percei	ntage of	student	s who c	did not e	eat brea	kfast (dı	uring th	e 7 days	s before	the sur	vey)						
										11.3	11.6	11.5	11.3	14.2	17.7	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QNBI	K7DAY	: Perce	ntage of	studen	ts who a	ate brea	kfast on	all 7 da	ays (dur	ing the	7 days l	pefore t	he surve	ey)		_		_

^{*}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.

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
of phy		tivity th				ysically t rate an												
										47.5	47.7	47.6	44.5	43.9	45.9	No linear change	No quadratic change	No chang
																	, ,	
day (i	any ki	nd of pl		activity		did not preased t												
day (i	any ki	nd of pl	nysical a	activity												No linear change	No quadratic change	No chang
day (induring	the 7 d	nd of plays before Perceival active	nysical a ore the s	activity survey)	that inc		heir hea	active a	and mac	11.3 60 minu	12.3	12.3	13.2 all 7 da	13.9 ys (in ar	12.8 ny	No linear change	No quadratic change	No chai

^{*}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.

1991 1993 1 QN79: Percenta when they were	1995 19	97 1999		th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from
QN79: Percenta		97 1999	2001												(g.	2019-2021
	tage of stud		2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
			attended	l physic	al educa	ation (P	E) class	ses on 1	or more	e days (in an av	erage w	eek			
50.9	51.8 50	0.5 50.0	48.3	50.3	53.2	48.5	53.5	51.0	49.1	49.9	50.4	51.0	46.8	No linear change	No quadratic change	No change
QNDLYPE: Pe when they were			who att	ended p	hysical	educati	on (PE)) classes	s on all :	5 days (in an av	erage w	reek			
34.6	33.3 31	.5 32.6	28.2	28.3	29.4	28.2	29.1	29.1	30.8	28.3	30.5	27.9	20.2	Decreased, 1993-2021	No quadratic change	Decreased
QN80: Percenta							am (cou	inting a	ny team	ns run by	y their s	chool or	r			
		61.0	58.9	54.7	57.6	57.3	54.8	61.6	61.4	60.4	58.8	59.4	58.6	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.

Montana High School Survey Trend Analysis Report

Female Other **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN84: 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) 77.0 79.8 77.7 78.4 No linear change Not available§ No change QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) 1.0 0.7 No linear change Not available No change QN86: Percentage of students who got 8 or more hours of sleep (on an average school night) 29.3 29.1 28.4 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.

Montana High School Survey Trend Analysis Report

Female Site-Added **Health Risk Behavior and Percentages** Linear Change* **Quadratic Change*** Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey) No linear change 3.1 2.8 2.3 Not available§ No change QN88: Percentage of students who did not always wear a seat belt when driving (among students who drive a car) 30.6 36.4 25.1 23.9 22.5 Decreased, Not available No change 2013-2021 QN89: Percentage of students who used the Internet or apps on their cell phone while driving (not counting using their cell phone to get driving instructions or to determine their location, on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle)

47.8 53.2

Increased.

2019-2021

Increased

Not available

^{*}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.

Montana High School Survey Trend Analysis Report

Female Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 QN90: Percentage of students who have been the victim of teasing or name calling because someone thought they were gay, lesbian, or bisexual (during the 12 months before the survey) 10.7 13.1 15.1 Increased, Not available§ No change 2017-2021 QN91: Percentage of students who currently used an electronic vapor product on school property (during the 30 days before the survey) 14.0 No linear change 16.7 Not available No change QN96: Percentage of students who have ever been told by a doctor or a nurse that they have asthma 19.4 21.4 19.0 20.3 20.5 23.2 22.0 21.3 20.9 No linear change No quadratic change No change QN101: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey) 80.8 82.8 82.1 79.1 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.

		Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2019-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	-		
ON10	2. Domo	nto ao c	C . 1								-							
_		_						-	•		lamp, su		or tannir	ng booth	h [not			
-		_						-	•		lamp, su he surve 20.0		or tannir 10.4	ng booth 8.7	6.9	Decreased, 2013-2021	Not available [§]	No change
QN10	ng getti	ng a spr	ay-on ta	nn], one	or more	d help f	during t	he 12 n	nonths l	pefore the	he surve	y) 17.1	10.4	8.7	-	,	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.