

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Unintentional Injuries/Violence	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car driven by someone else)	4.0 (3.1-5.2)	6.4 (5.1-8.1)	13.0 (9.1-18.2)	26.5 (19.6-34.8)	Yes
QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or more times during the 30 days before the survey)	16.7 (15.1-18.5)	17.5 (15.0-20.3)	22.3 (18.6-26.6)	28.5 (21.8-36.3)	Yes
QN10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey)	4.5 (3.4-6.0)	7.8 (5.8-10.6)	12.7 (9.4-17.1)	10.0 (5.7-16.9)	Yes
QN11: Percentage of students who texted or e-mailed while driving a car or other vehicle (on at least 1 day during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey)	55.0 (51.3-58.7)	54.6 (50.3-58.9)	49.0 (43.4-54.6)	51.1 (38.8-63.2)	No
QN12: Percentage of students who carried a weapon (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey)	18.0 (15.9-20.3)	24.2 (21.1-27.6)	29.7 (25.8-33.9)	42.3 (33.8-51.3)	Yes
QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey)	4.9 (3.8-6.4)	7.2 (5.6-9.2)	10.1 (7.7-13.1)	16.0 (11.0-22.7)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

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Health Risk Behavior					
QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey)	5.6 (4.6-6.9)	7.6 (6.0-9.4)	12.2 (9.5-15.5)	13.4 (9.8-18.2)	Yes
QN15: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)	8.5 (6.9-10.6)	8.0 (6.3-10.2)	11.5 (8.6-15.2)	17.6 (12.1-25.0)	Yes
QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey)	5.8 (4.6-7.4)	6.9 (5.3-8.9)	12.9 (9.7-17.0)	14.2 (8.5-22.7)	Yes
QN17: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey)	14.5 (12.7-16.5)	25.3 (22.6-28.2)	35.8 (32.1-39.8)	46.1 (37.8-54.7)	Yes
QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)	4.6 (3.6-5.9)	8.0 (6.5-9.8)	12.2 (9.8-15.0)	19.2 (13.5-26.7)	Yes
QN19: Percentage of students who were ever physically forced to have sexual intercourse (when they did not want to)	7.9 (6.8-9.1)	10.4 (8.5-12.7)	11.0 (8.4-14.3)	18.2 (12.1-26.5)	Yes

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Health Risk Behavior					
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, one or more times during the 12 months before the survey)	10.6 (8.9-12.6)	11.5 (9.6-13.7)	11.8 (9.4-14.6)	15.7 (11.0-21.9)	Yes
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, 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)	6.3 (5.0-7.8)	6.1 (4.7-7.9)	6.5 (4.8-8.7)	9.2 (5.5-15.0)	No
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)	6.1 (4.7-7.8)	7.8 (5.9-10.3)	10.0 (6.7-14.4)	15.7 (10.2-23.3)	Yes
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)	19.0 (16.9-21.4)	21.9 (19.2-24.9)	29.6 (25.6-33.9)	26.6 (19.3-35.5)	Yes
QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey)	15.3 (13.7-17.0)	18.1 (15.9-20.4)	21.6 (18.3-25.4)	27.8 (20.9-36.0)	Yes

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Health Risk Behavior					
QN25: Percentage of students who felt sad or hopeless (almost every day for ≥ 2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey)	30.6 (28.4-32.9)	36.4 (33.6-39.3)	46.9 (41.7-52.1)	56.7 (48.1-64.9)	Yes
QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey)	17.0 (15.2-18.8)	23.5 (20.7-26.6)	33.0 (28.7-37.6)	44.1 (35.0-53.5)	Yes
QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)	14.5 (12.9-16.3)	19.5 (17.2-22.1)	25.9 (21.9-30.4)	37.0 (30.1-44.5)	Yes
QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey)	5.5 (4.5-6.8)	10.9 (8.8-13.4)	13.4 (9.7-18.2)	32.5 (23.5-42.9)	Yes
QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)	1.9 (1.3-2.8)	4.6 (3.4-6.2)	4.3 (2.8-6.4)	10.8 (6.2-18.1)	Yes

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2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Tobacco Use	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI [†]	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs)	17.5 (15.6-19.7)	35.9 (32.7-39.2)	49.0 (45.1-52.9)	58.8 (48.1-68.7)	Yes
QN31: Percentage of students who first tried cigarette smoking before age 13 years (even one or two puffs)	5.3 (4.4-6.4)	9.2 (7.2-11.6)	15.5 (12.3-19.4)	31.5 (23.9-40.2)	Yes
QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	3.1 (2.3-4.1)	8.6 (6.8-10.9)	14.2 (11.5-17.5)	20.3 (13.5-29.3)	Yes
QNFRICIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	0.8 (0.4-1.6)	1.1 (0.6-2.1)	2.3 (1.3-4.0)	5.1 (2.6-9.6)	Yes
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	0.7 (0.3-1.4)	0.7 (0.3-1.6)	1.4 (0.7-2.9)	3.9 (1.9-8.1)	No
QN33: Percentage of students who smoked more than 10 cigarettes per day (on the days they smoked during the 30 days before the survey, among students who currently smoked cigarettes)	8.6 (2.6-24.7)	0.5 (0.1-3.8)	4.8 (1.8-12.2)	5.2 (1.2-20.4)	Yes

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	A's	B's	C's	D's/F's	
	% 95% CI [†]	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])	47.1 (44.0-50.3)	64.0 (60.4-67.5)	72.3 (67.0-77.0)	79.4 (72.4-85.0)	Yes
QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)	19.7 (16.9-22.8)	35.1 (30.7-39.7)	45.8 (39.9-51.9)	52.6 (43.9-61.2)	Yes
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)	6.3 (5.0-7.8)	15.1 (12.7-17.8)	23.6 (18.9-28.9)	28.2 (20.8-37.0)	Yes
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)	4.4 (3.3-5.8)	10.5 (8.5-13.0)	15.1 (11.5-19.6)	22.9 (16.4-31.1)	Yes
QN36: Percentage of students who usually got their own electronic vapor products by buying them in a store (such as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the survey, among students who currently used electronic vapor products and who were aged <18 years)	5.1 (2.7-9.2)	4.2 (2.4-7.5)	5.3 (2.6-10.3)	12.9 (5.4-28.0)	No

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Health Risk Behavior					
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)	3.5 (2.7-4.6)	7.4 (5.8-9.4)	10.1 (7.6-13.4)	8.9 (5.4-14.1)	Yes
QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)	4.4 (3.4-5.7)	7.4 (5.7-9.7)	13.7 (11.0-17.0)	14.9 (9.2-23.2)	Yes
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)	5.8 (4.7-7.2)	13.0 (10.7-15.7)	20.5 (17.2-24.3)	25.4 (18.0-34.6)	Yes
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)	7.5 (6.2-9.0)	16.4 (13.9-19.4)	25.2 (21.2-29.7)	28.7 (20.9-38.0)	Yes
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)	21.9 (19.0-25.1)	39.0 (34.8-43.5)	49.6 (44.0-55.2)	59.6 (51.4-67.4)	Yes
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)	20.5 (17.6-23.7)	36.8 (32.4-41.4)	47.9 (42.5-53.3)	56.8 (47.8-65.4)	Yes

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	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN39: Percentage of students who tried to quit using all tobacco products (including cigarettes, cigars, smokeless tobacco, shisha or hookah tobacco, and electronic vapor products, ever during the 12 months before the survey, among students who used any tobacco products during the 12 months before the survey)	49.4 (43.8-55.1)	57.5 (52.8-62.2)	54.3 (48.7-59.9)	58.3 (46.1-69.5)	Yes

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2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Alcohol/Other Drug Use	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips)	11.0 (9.4-12.8)	18.3 (15.8-21.0)	28.0 (23.8-32.5)	36.8 (29.7-44.4)	Yes
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)	26.5 (23.7-29.4)	38.5 (34.9-42.3)	41.1 (36.1-46.3)	47.9 (38.7-57.2)	Yes
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey)	12.9 (10.9-15.2)	20.1 (17.0-23.5)	24.9 (21.0-29.3)	28.3 (20.6-37.6)	Yes
QN43: Percentage of students who reported that the largest number of drinks they had in a row was 10 or more (within a couple of hours, during the 30 days before the survey)	2.4 (1.8-3.2)	7.1 (5.3-9.5)	10.5 (7.9-13.9)	13.0 (8.2-20.0)	Yes
QN44: Percentage of students who usually got the alcohol they drank by someone giving it to them (during the 30 days before the survey, among students who currently drank alcohol)	43.8 (39.1-48.7)	39.6 (35.1-44.4)	33.6 (27.8-39.9)	29.0 (19.4-41.0)	No
QN45: Percentage of students who ever used marijuana (one or more times during their life)	26.9 (23.8-30.1)	46.5 (42.4-50.6)	55.6 (50.8-60.2)	69.9 (61.4-77.2)	Yes
QN46: Percentage of students who tried marijuana for the first time before age 13 years	2.6 (1.8-3.7)	6.5 (5.0-8.6)	13.6 (10.5-17.3)	26.8 (19.6-35.4)	Yes

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Health Risk Behavior					
QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)	13.7 (11.5-16.3)	22.1 (19.3-25.1)	30.3 (26.0-35.0)	44.9 (36.2-53.9)	Yes
QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life)	3.5 (2.6-4.6)	5.6 (4.4-7.1)	10.1 (7.9-13.0)	16.1 (11.3-22.3)	Yes
QN49: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet, one or more times during their life)	9.1 (7.8-10.5)	13.6 (11.5-16.0)	15.3 (12.6-18.5)	27.9 (21.3-35.6)	Yes
QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life)	2.3 (1.7-3.1)	4.8 (3.5-6.4)	5.0 (3.3-7.6)	11.2 (7.2-17.0)	Yes
QN51: Percentage of students who ever used inhalants (sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high, one or more times during their life)	4.9 (4.0-6.1)	9.3 (7.9-10.8)	9.9 (7.1-13.6)	20.9 (14.7-28.8)	Yes
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life)	1.0 (0.5-1.8)	1.6 (1.0-2.7)	1.9 (0.9-4.0)	3.9 (2.1-7.4)	No

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Health Risk Behavior					
QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life)	1.3 (0.9-2.1)	2.1 (1.3-3.4)	3.1 (1.7-5.3)	7.0 (3.7-12.8)	Yes
QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life)	2.4 (1.7-3.3)	4.9 (3.5-6.9)	5.5 (3.8-7.9)	10.7 (7.1-15.9)	Yes
QN55: Percentage of students who ever took steroids without a doctor's prescription (pills or shots, one or more times during their life)	1.1 (0.7-1.8)	1.7 (1.1-2.6)	1.1 (0.3-3.4)	4.4 (2.1-8.9)	No
QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life)	0.7 (0.4-1.3)	0.8 (0.4-1.6)	1.3 (0.6-3.0)	2.7 (1.1-6.4)	No
QN57: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)	19.6 (17.7-21.8)	24.3 (21.5-27.3)	25.0 (21.1-29.4)	27.8 (20.7-36.2)	Yes

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Total Sexual Behaviors	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
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	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN58: Percentage of students who ever had sexual intercourse	36.0 (32.5-39.6)	47.6 (43.6-51.5)	52.9 (47.9-57.8)	70.5 (62.6-77.4)	Yes
QN59: Percentage of students who had sexual intercourse for the first time before age 13 years	2.1 (1.5-2.9)	3.0 (2.0-4.3)	6.7 (4.9-9.1)	9.5 (5.4-16.0)	Yes
QN60: Percentage of students who had sexual intercourse with four or more persons during their life	8.3 (7.0-9.8)	13.7 (11.3-16.4)	15.9 (12.6-19.9)	22.9 (17.3-29.8)	Yes
QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)	27.6 (24.4-30.9)	35.2 (31.6-38.9)	36.3 (31.7-41.1)	43.8 (35.8-52.1)	Yes
QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	15.0 (11.8-18.9)	19.6 (15.5-24.5)	20.0 (15.1-25.9)	24.9 (15.8-37.0)	No
QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active)	55.6 (50.7-60.5)	54.6 (48.9-60.2)	56.9 (49.4-64.1)	46.0 (33.8-58.6)	No
QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	32.6 (28.0-37.5)	26.5 (21.6-32.1)	22.9 (16.4-31.0)	9.6 (4.5-19.3)	Yes

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**Total
Sexual Behaviors**

Health Risk Behavior	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	13.2 (10.0-17.2)	13.6 (10.1-18.1)	9.5 (5.8-15.1)	13.9 (7.6-24.3)	No
QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	51.9 (46.9-56.9)	47.0 (42.1-51.9)	39.7 (31.5-48.5)	32.8 (22.0-45.8)	No
QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	20.7 (17.0-25.0)	15.5 (12.4-19.1)	13.1 (8.4-19.8)	8.1 (3.3-18.4)	No
QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active)	5.6 (3.8-8.2)	6.9 (4.7-10.0)	5.0 (2.6-9.2)	10.7 (5.9-18.9)	No

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

† Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Dietary Behaviors	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§]	7.3 (6.0-8.8)	12.1 (10.0-14.6)	21.5 (17.2-26.4)	19.5 (13.1-28.1)	Yes
QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§]	12.5 (10.8-14.5)	13.0 (10.7-15.6)	13.1 (10.3-16.6)	12.8 (8.1-19.8)	No
QN67: Percentage of students who described themselves as slightly or very overweight	26.2 (23.8-28.7)	31.2 (28.0-34.6)	39.9 (35.6-44.4)	36.6 (29.3-44.5)	Yes
QN68: Percentage of students who were trying to lose weight	39.4 (36.8-42.1)	41.8 (38.2-45.5)	43.6 (38.9-48.4)	47.2 (39.8-54.7)	Yes
QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)	34.1 (31.6-36.7)	30.1 (26.8-33.5)	32.5 (27.9-37.5)	31.2 (24.2-39.1)	No
QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)	7.7 (6.2-9.4)	11.0 (9.1-13.3)	14.4 (11.5-17.9)	24.3 (18.9-30.7)	Yes
QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)	4.3 (3.3-5.7)	5.4 (4.1-7.1)	6.5 (4.5-9.3)	8.9 (5.5-14.2)	No

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, $p < 0.05$.

† Confidence interval.

§ Based on reference data from the 2000 CDC Growth Charts. In 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Dietary Behaviors	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI [†]	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)	58.6 (55.6-61.4)	53.2 (50.1-56.3)	49.3 (45.1-53.5)	43.6 (36.4-51.0)	Yes
QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)	26.5 (23.9-29.1)	22.3 (19.9-24.9)	22.0 (18.6-25.8)	16.7 (11.9-23.0)	Yes
QN71: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)	27.6 (25.1-30.2)	35.6 (33.1-38.2)	42.6 (38.2-47.1)	56.1 (48.7-63.3)	Yes
QN72: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)	31.1 (28.5-33.8)	30.5 (27.7-33.5)	31.7 (27.5-36.2)	41.8 (33.8-50.2)	No
QN73: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)	38.3 (35.2-41.5)	45.8 (42.4-49.3)	48.6 (43.9-53.2)	62.7 (55.0-69.8)	Yes
QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)	12.1 (10.0-14.5)	17.3 (14.9-20.0)	24.3 (20.6-28.5)	32.9 (24.7-42.3)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

[†] Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Dietary Behaviors	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	3.1 (2.2-4.4)	3.9 (3.0-5.0)	9.6 (7.0-13.0)	16.1 (10.0-24.9)	Yes
QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	67.8 (64.6-71.0)	59.5 (55.7-63.2)	59.2 (54.8-63.5)	46.7 (39.5-54.1)	Yes
QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	29.8 (27.2-32.5)	21.7 (19.3-24.3)	23.2 (19.7-27.0)	23.9 (16.6-33.0)	Yes
QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	12.8 (11.3-14.6)	10.0 (8.4-11.9)	11.5 (9.0-14.5)	10.3 (5.9-17.3)	No
QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)	35.8 (33.3-38.2)	25.5 (22.5-28.9)	17.2 (13.9-21.1)	14.8 (10.5-20.5)	Yes
QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)	8.4 (7.0-10.1)	13.3 (11.3-15.6)	21.2 (17.7-25.1)	27.1 (20.7-34.6)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

† Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Dietary Behaviors	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)	4.2 (3.1-5.7)	5.6 (4.3-7.2)	12.0 (9.3-15.4)	18.8 (13.4-25.6)	Yes
QN76: Percentage of students who did not drink milk (during the 7 days before the survey)	24.1 (21.9-26.6)	23.5 (21.1-26.0)	22.1 (18.9-25.6)	25.5 (18.7-33.7)	No
QNMILK1: Percentage of students who drank one or more glasses per day of milk (counting the milk they drank in a glass or cup, from a carton, or with cereal and counting the half pint of milk served at school as equal to one glass, during the 7 days before the survey)	33.3 (30.5-36.4)	31.0 (28.3-33.8)	31.7 (27.2-36.6)	28.2 (21.3-36.3)	No
QNMILK3: Percentage of students who drank three or more glasses per day of milk (counting the milk they drank in a glass or cup, from a carton, or with cereal and counting the half pint of milk served at school as equal to one glass, during the 7 days before the survey)	8.8 (7.4-10.5)	8.4 (6.8-10.4)	9.8 (7.6-12.4)	10.0 (6.0-16.2)	No
QN77: Percentage of students who did not eat breakfast (during the 7 days before the survey)	10.3 (8.9-11.8)	14.4 (12.0-17.1)	17.0 (13.9-20.6)	33.0 (25.9-40.9)	Yes
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)	41.1 (38.2-44.0)	29.7 (26.8-32.7)	21.4 (18.1-25.0)	15.0 (10.6-20.7)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

† Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Physical Activity	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	54.7 (51.6-57.7)	52.9 (49.5-56.2)	46.4 (41.8-51.0)	27.9 (21.9-34.8)	Yes
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	10.2 (8.4-12.2)	11.4 (9.4-13.8)	12.5 (9.9-15.6)	20.6 (14.9-27.9)	Yes
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	26.0 (23.7-28.5)	26.1 (23.4-29.0)	24.7 (20.8-29.1)	16.2 (10.6-24.0)	Yes
QN79: Percentage of students who watched television 3 or more hours per day (on an average school day)	13.5 (11.7-15.6)	20.1 (17.7-22.9)	28.4 (24.8-32.2)	34.2 (26.4-42.9)	Yes
QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)	31.7 (28.8-34.7)	37.9 (34.8-41.2)	43.1 (38.0-48.5)	52.7 (44.0-61.2)	Yes
QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	53.1 (48.1-57.9)	59.6 (54.8-64.3)	59.1 (53.8-64.2)	56.8 (47.9-65.3)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

† Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Physical Activity	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)	29.7 (24.7-35.2)	35.5 (30.9-40.5)	36.1 (30.0-42.8)	27.2 (19.5-36.5)	Yes
QN82: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the 12 months before the survey)	70.1 (66.6-73.3)	59.6 (56.1-63.0)	48.1 (43.6-52.6)	39.8 (33.5-46.4)	Yes
QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	14.2 (12.7-15.8)	17.7 (15.5-20.2)	21.5 (17.9-25.6)	17.2 (12.1-23.9)	Yes
QN88: Percentage of students who got 8 or more hours of sleep (on an average school night)	35.9 (33.4-38.5)	27.4 (24.9-30.0)	22.7 (19.3-26.4)	18.6 (12.0-27.8)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

† Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Other	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN86: 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)	83.3 (81.2-85.2)	76.5 (74.0-78.8)	69.7 (64.5-74.4)	58.0 (50.6-65.0)	Yes
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	0.6 (0.3-1.1)	1.0 (0.5-1.9)	2.1 (1.1-4.0)	3.8 (1.6-8.8)	Yes
QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma	21.0 (19.2-22.9)	20.4 (18.1-22.9)	25.5 (21.7-29.8)	24.8 (19.3-31.3)	No

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

† Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Site-Added	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI†	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN90: Percentage of students who rarely or never wear a seat belt when driving (among students who drive a car)	4.5 (3.4-6.0)	7.0 (5.2-9.5)	11.8 (8.6-16.0)	19.4 (12.0-29.9)	Yes
QN91: 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)	45.8 (42.4-49.2)	48.9 (45.1-52.8)	44.7 (39.6-50.0)	41.4 (33.6-49.7)	No
QN92: 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)	10.3 (8.8-12.0)	13.2 (11.5-15.2)	19.5 (16.6-22.6)	18.2 (13.2-24.6)	Yes
QN93: Percentage of students who currently used an electronic vapor product on school property	11.4 (9.6-13.5)	22.4 (19.7-25.3)	27.3 (23.3-31.7)	36.2 (29.1-43.9)	Yes
QN94: Percentage of students who used electronic-vapor products mainly because a friend or family member used them	14.9 (13.0-17.1)	12.1 (10.2-14.2)	12.8 (9.8-16.5)	12.5 (8.2-18.7)	No
QN95: Percentage of students who drank a can, bottle, or glass of an energy drink (such as Red Bull or Jolt, not including diet energy drinks or sports drinks such as Gatorade or PowerAde, one or more times per day during the 7 days before the survey)	2.8 (2.0-4.0)	3.2 (2.4-4.4)	7.7 (5.4-10.9)	10.6 (6.7-16.4)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

† Confidence interval.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey Risk Behaviors and Academic Achievement Report

Total Site-Added	Percentage of students who engaged in each risk behavior, by type of grades mostly earned in school				Significant Association*
	A's	B's	C's	D's/F's	
	% 95% CI [†]	% 95% CI	% 95% CI	% 95% CI	
Health Risk Behavior					
QN96: Percentage of students who did not usually sleep in their parent's or guardian's home (during the 30 days before the survey)	3.0 (2.2-3.9)	3.4 (2.5-4.6)	3.9 (2.4-6.1)	7.9 (4.5-13.6)	No
QN97: 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)	7.0 (5.7-8.5)	6.2 (4.7-8.1)	4.7 (3.1-7.0)	4.6 (2.5-8.3)	No
QN98: 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)	11.4 (9.9-13.1)	14.4 (12.3-16.9)	21.9 (18.7-25.5)	23.7 (16.5-32.8)	Yes

*Based on logistic regression analysis controlling for sex, race/ethnicity, and grade in school, p<0.05.

[†] Confidence interval.