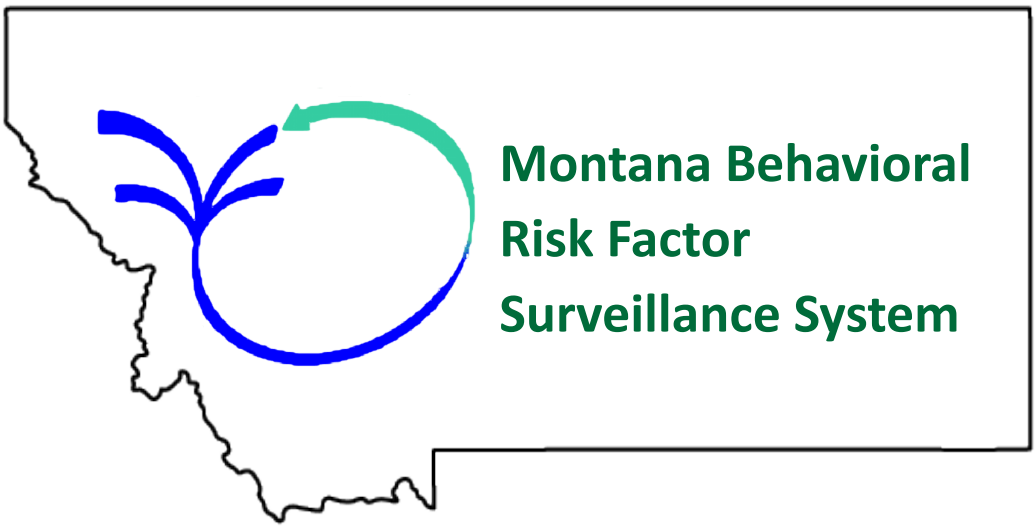
Office of Epidemiology
and Scientific Support

2016 MONTANA BRFSS ANNUAL REPORT



SURVEY RESULTS FROM THE BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM

Office of Epidemiology and Scientific Support

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MONTANA DPHHS
Healthy People. Healthy Communities.
Department of Public Health & Human Services

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Montana Department of Public Health and Human Services

DIVISION MISSION: To improve and protect the health of Montanans by creating conditions for healthy living

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Montana BRFSS, 2016

The Centers for Disease Control and Prevention (CDC), Division of Population Health provided financial and technical support for developing the questionnaire, implementing the survey, and processing and weighting the data. CDC's financial support has greatly facilitated the Montana Department of Public Health and Human Services (DPHHS) ability to continually monitor health risk factors for preventable diseases, disabilities, injuries, access to health care, the use of preventive screenings, and other emerging health issues.

Special appreciation is extended to the telephone interviewers and staff of the University of Missouri - Columbia. Their dedication and experience has yielded high quality survey data for the Montana BRFSS.

To the citizens of the state of Montana, we thank you for your continued cooperation and willingness to participate in this very important health survey. The information you have provided regarding health risk behaviors is invaluable for assessing state trends for public health planning purposes and allowing us the ability to compare Montana's progress to the rest of the states and the nation.

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SUMMARY

Montana BRFSS, 2016

This report presents selected findings from the 2016 Montana Behavioral Risk Factor Surveillance System (BRFSS) survey. BRFSS is an annual statewide landline and cell phone survey of non-institutionalized Montana residents 18 years of age and older. The survey is conducted through a collaborative effort with the Population Health Surveillance Branch (PHSB) of the Centers for Disease Control and Prevention (CDC) and the Montana Department of Public Health and Human Services (DPHHS).

Health Status Indicators

- 15.6% of Montana adults reported that their general health status was "fair" or "poor." The national estimate was significantly higher, at 18.0%.

Access to Health Care Indicators

- The prevalence of no personal health care provider among Montanan adults was 26.4%, significantly higher than the national estimate of 21.9%.

Clinical Preventive Measures

- 26.1% of women ages 50 -74 in Montana reported not having a mammogram in the past two years. The national estimate was significantly lower, at 21.6%
- Among Montana residents ages 50 to 75, 37.9% reported not being up-to-date with a recommended colorectal cancer screening. Nationally, the estimate was significantly lower, at 32.4%.

Health Related Risk Behaviors

- Montana adults reported participating in leisure-time physical activity more often than adults nationwide.
- The percentage of Montana adults who reported being overweight (BMI 25.0-29.9) was slightly higher than the national estimate; however, the percentage of Montana adults who reported being obese (BMI ≥ 30.0) was significantly lower than the national estimate.
- The prevalence of binge drinking was significantly higher among Montana residents (18.9%) than the national estimate (16.9%).

Chronic Health Conditions

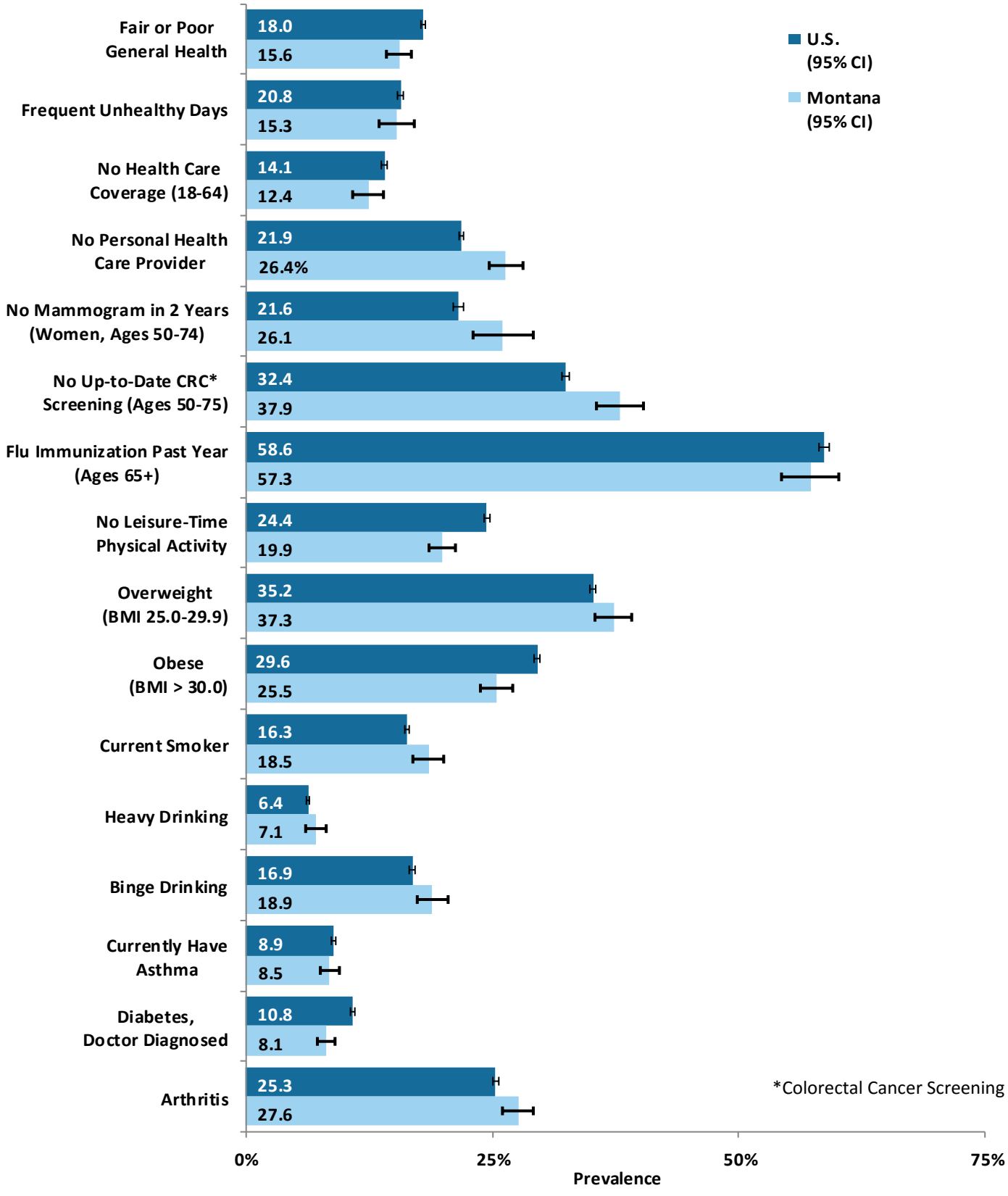
- The percentage of Montana adults who reported having clinically diagnosed diabetes was lower than the national estimate.
- The reported prevalence of asthma among Montana adults was similar to the national estimate.
- The prevalence of arthritis was significantly higher (27.6%) among Montanan adults comparted to the national estimate (25.3%).

Population Subgroups

- Adults with less education (particularly those who have not completed high school), those with lower household incomes (<$25,000), and American Indians/Alaska Natives more often reported risky health behaviors and poorer health outcomes than other population subgroups.

The results provided in this report have been weighted, as described in the methods section, to be representative of the non-institutionalized Montana adult population. **As of 2011, BRFSS prevalence data can no longer be directly compared to data from 2010 or earlier due to methodological changes to weighting the data and the addition of cell phone sampling. Thus, 2016 BRFSS data are not directly comparable to data collected prior to 2011.**

Figure A. 2016 BRFSS Selected Risk Factors and Health Conditions U.S. and Montana



INTRODUCTION

Montana BRFSS, 2016

From 1981 to 1983, the Centers for Disease Control and Prevention (CDC) funded states in the U.S. to conduct point-in-time pilot surveys about health-related behaviors that were thought to be associated with an increased risk of disease and premature death. Montana has the distinction of having been one of the original 29 states to conduct the pilot surveys for CDC. Because of successful implementation of these pilot surveys, the CDC established the Behavioral Risk Factor Surveillance System (BRFSS) in 1984 and Montana was one of the 15 states to secure funding from CDC when this initiative formally began. BRFSS is an annual state-based telephone survey assessing the health status and behavioral risk factors of the non-institutionalized adult population 18 years of age and older. The BRFSS began with four primary goals:

1. To document health trends at the state level;
2. To identify emerging health issues;
3. To compare health behaviors across states; and
4. To measure progress toward the nation's health goals.

Through cooperative agreements between CDC and state departments of public health, the BRFSS expanded to include all 50 states, the District of Columbia, and several U.S. territories. BRFSS is now the largest continuously conducted telephone health survey in the world.

The BRFSS survey provides valuable information on health trends, chronic disease risks, and data for monitoring the effectiveness of policies, programs, and interventions. Subject areas include self-reported health status, access to health care, health awareness, use of preventive services, as well as knowledge and attitudes of health care and health care practices. Each year modifiable behaviors such as smoking, excessive alcohol consumption, obesity, and physical inactivity contribute to a substantial portion of the mortality and morbidity associated with chronic disease and unintentional injury. Underutilization of preventive health services (e.g. blood pressure, cholesterol, and cancer screenings) may also contribute to morbidity and premature death from many diseases. Measuring the prevalence of high-risk behaviors and preventive health service utilization provides information for developing and monitoring interventions designed to reduce premature death and disease. In 2016, 72% of Montana deaths were associated with modifiable health risk behaviors and conditions (Table A).

Healthy People 2020 (U.S. DHHS) is a national initiative designed to serve as a road map for improving the health of all people in the United States during the second decade of the 21st century. *Healthy People 2020 (HP2020)* builds on similar initiatives pursued over the past three decades. Objectives were developed to measure the health of the nation and our progress towards those goals.

Montana has a similar initiative, *Big Sky. New Horizons. A Healthier Montana: A Plan to Improve the Health of Montanans* (MT DPHHS), also known as the *State Health Improvement Plan (SHIP)*, that is targeted specifically to improving the health of Montanans to the highest possible level. *SHIP* is a five year plan, from 2013 to 2018, developed by the Department of Public Health and Human Services, along with over 130 outside organizations.

Data from the annual BRFSS survey are one of the primary means of monitoring progress towards achieving *HP2020* and *SHIP* health objectives. The objectives and targets of *HP2020* and *SHIP* are different because they have different time frames and *SHIP* measures are specific for current challenges of Montana residents. Table B summarizes Montana's progress toward *HP2020* and *SHIP* goals that were measured on the 2016 survey.

Table A: Behavioral Risk Factors Associated with the Leading Causes of Death in Montana, 2016*

Rank	Cause of Death	# of Deaths	% of Total Deaths[1]	Age-Adjusted Rate[2]	Associated Risk Factors[3]
1	Heart Disease	2,139	21.6%	154.7	Smoking, physical inactivity, hypertension, high-fat diet, high blood cholesterol, overweight
2	Cancer	2,030	20.5%	146.4	Smoking, high-fat diet, chronic alcohol abuse
3	Unintentional Injuries	623	6.3%	53.7	Binge/chronic drinking, non-use of seat belts
4	Chronic Lower Respiratory Disease	723	7.3%	51.9	Smoking, exposure to certain chemicals
5	Cerebrovascular Disease (including stroke)	439	4.4%	32.4	High blood pressure, smoking, high blood cholesterol
6	Intentional Self-Harm	267	2.7%	25.9	Depression, alcohol or substance abuse, major stressor events
7	Diabetes	311	3.1%	23.5	Overweight, physical inactivity, poor nutrition
8	Alzheimer's Disease	316	3.2%	22.7	Family history, physical inactivity, poor diet
9	Chronic Liver Disease	162	1.6%	13.7	Chronic alcohol abuse, hepatitis B or hepatitis C
10	Nephritis, nephrotic syndrome	155	1.6%	11.2	Diabetes, HIV, hepatitis B, hepatitis C
Total deaths from leading causes		7,174	72.3%		

* Mortality data are from Montana Vital Statistics.

[1] Total deaths from all causes in 2016, excluding fetal deaths, were 9,925.

[2] Cause-specific age-adjusted death rates are per 100,000 estimated population.

[3] Not a comprehensive or definitive lists of all associated risk factors.

Table B: *HP2020*[1] and *SHIP*[2] Objectives for Montana: Summary of Montana 2016 BRFSS Data[3]

Objectives	*HP2020*	*SHIP*	MT 2016
No Poor Mental Health Days	N/A	≥ 73	68.5
Usual Primary Care Provider	≥ 83.9	N/A	73.6
Annual Influenza Immunization	70.0	≥ 60	39.5
Pneumococcal Vaccination, Ages 65 and Older	≥ 90.0	≥ 80	73.3
No Leisure-Time Physical Activity	≤ 32.6	≤ 22	19.9
Overweight or Obese, BMI ≥ 25	N/A	≤ 54	62.8
Cigarette Smoking	≤ 12.0	≤ 19	18.5
Smokeless Tobacco Use	≤ 0.3	N/A	7.7
Binge Drinking During the Past Month	≤ 24.4	≤ 15	18.9
Use of Seat Belts	≥ 92.4	≥ 83	74.5

[1] U.S. Department of Health and Human Services. *Healthy People 2020*. Washington, DC, 2010.

[2] Montana Department of Public Health and Human Services. *Big Sky. New Horizons. A Healthier Montana: A Plan to Improve the Health of Montanans (SHIP)*. Helena, MT, 2012.

[3] Objectives are for adults age 18 or older except as noted. Values are percent of respondents who self-report.

N/A No objective for this plan.

METHODS

Montana BRFSS, 2016

Sampling Design

Since the inception of the BRFSS Survey, cell phone use has increased dramatically. This increase prompted extensive CDC research on dual frame methodologies to allow for the inclusion of cellular telephones in the BRFSS samples. As a result of these efforts, the BRFSS started to collect survey data from both landline and cell phone respondents in 2011.

As of December 2015, an estimated 47.7% of adults in the United States relied exclusively on cell phones (Blumberg and Luke 2016). To account for this, in 2016, the Montana BRFSS sought to obtain 60% of the total sample from landline respondents and 40% of the total sample from cell phone respondents. Overall, Montana's sampling frame in 2016 contained nine strata, four for landline sampling and five for cell phone sampling.

Since 2000, Montana's BRFSS landline sample has been stratified based on county population density and proportion of American Indians/Alaska Natives (AI/AN), Montana's largest minority population. In the 2016 landline sample, Stratum I consists of seven counties containing low population density and a high proportion of American Indians/Alaska Natives; Stratum II consists of 41 counties with relatively low population density and a low proportion of American Indians/Alaska Natives; and Stratum III consists of eight counties with relatively high population density and a low proportion of American Indians/Alaska Natives. These three strata, combined with Stratum 4, which consists of exchanges with an AI/AN population of 50% or greater, increase the potential for oversampling households of American Indians/Alaska Natives and are used strictly for sampling, rather than analytical purposes.

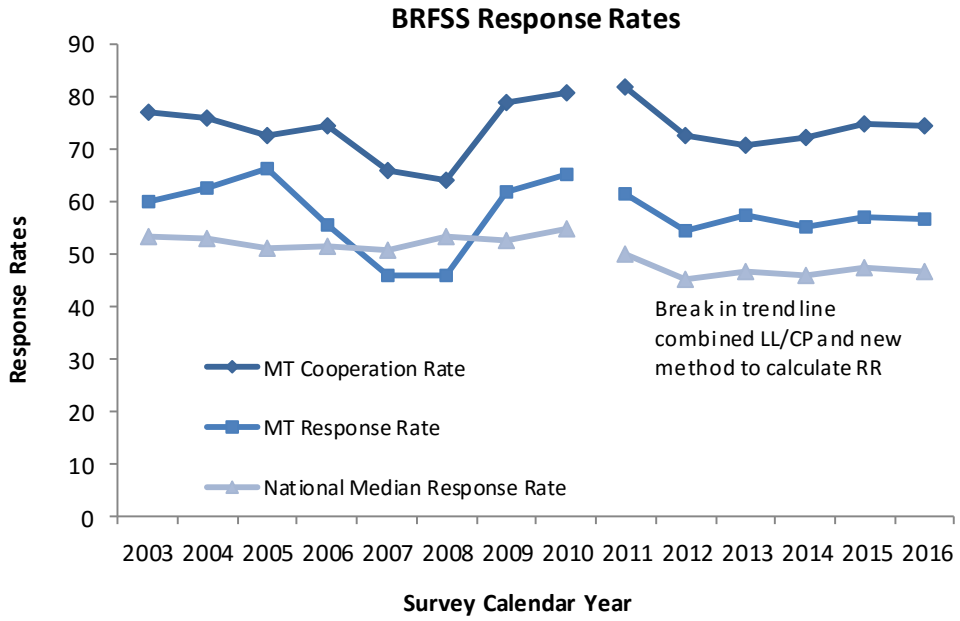
Beginning in 2003, Montana's dataset has been weighted for regional analyses based on the state's five health planning regions (HP1 – HP5) to report regional health information for public health planning purposes (see Appendix A for map of health planning regions). The cell phone strata are congruent with the health planning regions. Stratum 1 consists of the seventeen counties that make up HP1 (Eastern), Stratum 2 is comprised of the nine counties of HP2 (North Central), Stratum 3 is the eleven counties of HP3 (South Central), Stratum 4 is the twelve counties of HP4 (Southwest), and Stratum 5 is the seven counties of HP5 (Northwest).

Based on CDC protocol, the sample is selected using a Disproportionate Stratified Sampling (DSS) design.[1] In the DSS design, the universe of all Montana telephone numbers is disproportionately stratified by telephone blocks. This means that all landline telephone numbers are based on phone bank density, listedness (i.e., known household number in phone bank) and population density of American Indians/Alaska Natives. Phone numbers are randomly dialed using this list-assisted methodology. High density or listed household numbers are sampled at a rate of 1.5 over low density or unlisted numbers. This random-digit-dialing approach serves to lower costs and improve interviewer efficiency in sample usage.

Survey Administration

Interviews were conducted by the University of Missouri ,with headquarters and call center in Columbia. Interviews were conducted during daytime and evening hours Monday through Friday, as well as on weekends, to ensure that selected individuals had ample opportunity to participate in the survey. Fifteen efforts were made to reach a landline telephone number and five attempts were made to reach a cell phone number at different times of the day and on different days of the week before a number was classified as unreachable. Once a phone number is successfully identified as a residence rather than business, an individual respondent is randomly selected from all adults (ages 18 and older) living in the household. The selected adult is then invited to be interviewed in accordance with the BRFSS protocol (CDC 2006). In 2016, approximately 507 interviews were completed each month, for a yearly total sample size of 6,090 (3,682 landline and 2,408 cell phones). In addition, at least 10 percent of all interviews were monitored and validated by the quality assurance section of the call center, using the system's monitoring function to observe and score interviews in progress for quality improvement purposes (CDC 2006).

Measures of data quality are calculated using standards set by the American Association of Public Opinion Research (AAPOR).[2] The Weighted AAPOR Response Rate (RR4) is the number of completed and partially completed interviews divided by the number of eligible and likely-eligible residents. The RR4 for combined landline and cell phone calls for Montana in 2016 was 56.5%, one of the top ten BRFSS response rates in the nation. The Weighted AAPOR Cooperation Rate (COOP2) is the number of completed and partially completed interviews divided by the number of contacted and eligible residents. In 2016, the COOP2 for Montana was 74.3%. A complete report of the data quality for the 2016 BRFSS is available online.[3]



Data Weighting and Analysis

Data were weighted to account for the design of the survey and differences in the probability of selection due to the disproportionate sampling method and due to households with different numbers of adults and different numbers of telephones. This adjustment is intended to reduce bias that may result from excluding Montanans without telephone service (non-coverage) or from the varying characteristics of those that choose not to participate in the survey (non-response).

Starting in 2011, CDC's Division of Behavioral Surveillance began using a new weighting method for BRFSS data in order to allow the incorporation of cell phones into the weighting scheme and to more closely match the demographic make-up within each state by using a broader range of demographic subgroups.[4] This method, called raking, ensures that groups which are under- or over- represented in the sample can be accurately represented in the final data set (CDC 2012). For a more complete discussion, see the *2011 Issue 3 Montana Fact[or]s, Changing BRFSS Protocols: Transition to Raking Weights and Incorporation of Cell Phone Sampling* published at www.brfss.mt.gov. **2011 is the baseline year for all future comparisons.**

The demographic characteristics of the 2016 survey respondents are presented in Table C. This table describes the 2016 survey population, including the un-weighted number of respondents, the population estimate, and the weighted percent of respondents by selected demographic characteristics.

Analysis of subpopulations results in a concomitant reduction of sample size. The more subgroups into which the data are partitioned, the smaller the sample size per subgroup. **Prevalence estimates based on denominators with fewer than 50 respondents, half-width confidence intervals greater than 10 percent, or a relative standard error greater than 30% are not reported due to their inherent low precision.**

Questionnaire

The BRFSS questionnaire has three parts: the core, consisting of the fixed core questions (asked every year), rotating core questions (asked in alternating years), and emerging core questions (asked for only one year). There are also optional modules provided by the CDC, any number of which can be selected by individual states for inclusion; and state-added questions of specific interest to individual states. All states must ask the core questions without modification in wording. As part of the core, respondents are asked to provide demographic information including such indicators as sex, age, race, marital status, annual household income, employment status, and education level. Optional modules and state-added questions may be added by individual

Table C: Demographic Distribution of Montana Adults in the 2016 Behavioral Risk Factor Surveillance System (BRFSS)

	2016 BRFSS Sample		
	Sample Size (N)	Population Estimate	Weighted Percent †
All Adults:	5,969	818,283	100.0
Sex:			
Male	2,723	408,903	50.0
Female	3,246	409,380	50.0
Age:			
18 - 24	290	102,007	12.5
25 - 34	549	130,079	15.9
35 - 44	659	121,230	14.8
45 - 54	765	118,749	14.5
55 - 64	1,359	151,715	18.5
65+	2,279	185,144	22.6
Unknown§	70		
Education:			
<High School	381	66,816	8.2
High School	1,799	250,604	30.6
Some College	1,800	283,928	34.7
College Degree +	1,977	213,842	26.1
Unknown§	14		
Income:			
<$15,000	502	64,279	7.9
$15,000 - $24,999	942	123,860	15.1
$25,000 - $49,999	1,463	192,903	23.6
$50,000 - $74.999	906	132,690	16.2
$75,000 +	1,144	167,208	20.4
Unknown§	1,014		
Race/Ethnicity:			
White, non-Hispanic	4,947	712,802	87.1
AI/AN*	608	41,457	5.1
Other or Hispanic**	343	52,430	6.4
Unknown§	73		
Disability:			
Disability	1,944	215,715	26.4
No Disability	3,895	579,585	70.8
Unknown§	132		
Region:			
1- Eastern MT	1,039	61,395	7.5
2- N Central MT	1,316	104,598	12.8
3- S Central MT	971	157,178	19.2
4- Southwest MT	916	201,999	24.7
5- Northwest MT	1,445	229,199	28.0
Unknown§	284		

† Weighted percentages are based on CDC's 2016 pop. estimate of 818,283 adults.

§ Cases with unknown values are excluded from relevant analyses.

* American Indian or Alaska Native only.

** All other non-White (including multi-racial or Hispanic).

states to their respective questionnaires. Montana's BRFSS Working Group, consisting of state data analysts and users, helps to establish the state questionnaire content each year using the "Criteria for Adding Questions to the MT BRFSS," which can be found at the Montana BRFSS website: www.dphhs.mt.gov/publichealth/BRFSS.

The 2016 Montana BRFSS questionnaire consisted of 132 questions. Not all respondents were asked all questions, since some questions pertain to a specific age group or sex, or persons with a particular health condition. The average survey time in 2016 was 25 minutes for landline respondents and 21 minutes for cell phone respondents.

Survey Limitations

Surveys that require self-reporting of data have limitations and should be interpreted with caution. Respondents may have a tendency to under-report behaviors that are socially undesirable, unhealthy, or illegal and to over-report desirable behaviors. The accuracy of self-reported information is also affected by the ability of respondents to fully recall past behaviors or health screening results.

Telephone surveys exclude households without telephones, which may result in a biased survey population due to under-representation of certain segments of the population. In 2015, based on NCHS estimates, 2.8% of Montana households did not have any telephone service.

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[1] For a detailed description of BRFSS methodology, see the BRFSS User's Guide, an online version at: http://www.cdc.gov/brfss/data_documentation/PDF/UserguideJune2013.pdf.

[2] The AAOPR standard definitions can be found online at: https://www.aapor.org/Standards-Ethics/Standard-Definitions-(1).aspx.

[3] The 2016 Summary Data Quality Report can be found online at: https://www.cdc.gov/brfss/annual_data/2016/pdf/2016-sdqr.pdf.

[4] Raking, also called Automated Sample Weighting System methodology or Iterative Proportional Fit, credited to W.E. Deming and F. Stephan, was first used to estimate U.S. Census population totals in 1940. Raking is commonly used when only the marginal population totals of the adjusted weights are known and the joint population distributions of post-strata are unknown. Raking is preferable as a post-stratification method when the cell counts of the responders within each demographic combination are too small to produce stable estimates. It is equivalent to log-linear regression expected totals.

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Montana BRFSS, 2016

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INTERPRETING THE TABLES

Montana BRFSS, 2016

Each table presents a set of prevalence estimates weighted to represent the proportion of the non-institutionalized adult population age 18 years and older in Montana, unless a demographic sub-group is specified. Weighting adjusts for different probability of selection by the random dialing procedures and the varied demographic characteristics of the respondents (see Methods, page 3). As a result, for the table below, it is appropriate to state: **"Among Montana adults age 65 years or older, 73.3% have ever received a pneumococcal vaccination.**" For this question, only adults who were 65 years of age or older were included in the analysis.

The survey questions that the tables are based on appear in the footnote of the table. For the full question and response categories from which the data were derived, see the " BRFSS Questionnaires" link on the CDC BRFSS homepage: https://www.cdc.gov/brfss/index.html.

Weighted data are used in all calculations of prevalence. The weighted population estimate in the footnote provides the estimated number of adults in Montana who are characterized by a particular risk factor or behavior. The unweighted sample size (UnWt. N) is the number of respondents who gave a particular response and is given only as an indicator of sample size. It is not appropriate to use unweighted numbers to compute prevalence estimates of risk factors and health conditions. Unless stated differently within the table, estimates do not include missing responses, respondents who refused to answer the question, or respondents who reported "Don't know/Not Sure."

The tables also contain 95% confidence intervals (CI) for each estimate. The 95% CI is the range of values within which the true value falls with 95% certainty. The column headings of LL represent the lower limit and UL represent the upper limit of the 95% confidence interval. The confidence interval associated with the prevalence estimate for adults age 65 years or older who have ever received the pneumonia vaccine ranges from 70.7 to 75.9. The small width of this confidence interval indicates that the estimate is fairly precise.

Table 10: Immunization, Montana Adults, 2016

	Ever Received Pneumococcal Vaccine (ages 65+) §				
	Wt. %	95% CI		UnWt. N	P Value
		LL	UL		
All Adults:	**73.3**	70.7	75.9	1,604	
Sex:					
Male	**68.8**	64.5	73.0	639	**0.001**
Female	**77.4**	74.4	80.5	965	
Age:					
65+	**73.3**	70.7	75.9	1,604	
Education:					
<High School	**NSD$^{\Delta}$**			109	NS
High School	**74.1**	69.6	78.6	498	
Some College	**72.0**	67.2	76.7	467	
College Degree +	**75.2**	70.9	79.6	527	
Income:					
<$15,000	**NSD$^{\Delta}$**			127	NS
$15,000 - $24,999	**67.0**	60.0	73.9	290	
$25,000 - $49,999	**77.2**	72.5	81.9	464	
$50,000 - $74.999	**79.5**	73.2	85.7	222	
$75,000 +	**71.5**	64.3	78.8	183	
Race/Ethnicity:					
White, non-Hispanic	**73.3**	70.6	76.0	1,406	NS
AI/AN*	**76.7**	67.4	86.0	123	
Disability:					
Disability	**79.7**	76.2	83.1	785	**<0.001**
No Disability	**68.1**	64.4	71.8	812	

§ Have you ever had a pneumonia vaccination (age 65 years and older)? Total Sample Size: 2,170, Weighted Prevalence Estimate: 129,032.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Risk factors or health conditions may be more or less common among Montana adults of various demographic groups. In general, where confidence intervals for two subgroups do not overlap, the subgroups can be said to be statistically different. However, it is possible for the confidence intervals to overlap and the subgroups to still be

statistically different. The annual report tables also contain p values, the results of further analysis to determine the statistical significance between subgroups. Chi square tests were run for dichotomous groups (sex, race/ethnicity, disability) and tests for trend were run for ordinal groups (age, education, income). The results are considered statistically significant if the p value is less than 0.05. P values that are not significant are reported as such, represented by NS (not significant).

SAS 9.4 was used to compute prevalence estimates (expressed as percentages), associated 95% confidence intervals, and statistical tests for significance.

Following CDC guidance, data are considered unreliable if the total number of respondents, the denominator, is less than 50, if the half-width of the confidence interval (CI) is greater than 10 percent, or if the relative standard error, the standard error divided by the mean, is greater than 30%. In tables where NSD is presented, it means that there was “not sufficient data” to report, i.e., either too few respondents in the population subgroup that answered the question, to large of a CI half-width, or the relative standard error was too high to provide a reliable estimate.

The survey results that follow are the major demographic trends of health status, health care access and utilization, health risk behavior, and chronic health conditions. Respondents who indicated "don't know," "not sure," or "refused" were excluded from the calculation of prevalence estimates. Therefore, the sample sizes used to calculate the estimates in this report vary. Tables 23-28 contain a summary of the 2016 health indicators for the state and health planning regions in Montana.

Important Changes Beginning in 2011

Due to methodology changes, the 2016 BRFSS estimates should not be compared to BRFSS estimates from before 2011; 2011 is the baseline for future estimates. Any trend lines produced from BRFSS data should show a break between 2010 and 2011 data. The methodological changes of adding cell phones and using a larger number of sociodemographic categories to weight the data greatly improves the accuracy, coverage, validity, and representativeness of BRFSS data. For more information on these changes, please visit the CDC website: http://www.cdc.gov/surveillancepractice/reports/brfss/brfss.html.

Table 1a: Health Related Quality of Life Measures, Montana Adults 2016															
	Self-reported Fair or Poor Health†					Frequent Poor Physical Health‡					Frequent Poor Mental Health§				
		95% CI		UnWt.	P		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**15.6**	14.3	16.8	1,117		**12.1**	11.0	13.3	826		**10.4**	9.2	11.6	552	
Sex:															
Male	**15.2**	13.5	17.0	515	NS	**11.1**	9.5	12.7	348	**<0.001**	**8.6**	7.0	10.1	204	**<0.001**
Female	**15.9**	14.1	17.7	601		**13.2**	11.4	15.0	478		**12.2**	10.4	14.1	348	
Age:															
18 - 24	**NSD**Δ			13	**<0.001**	**6.6**	2.7	10.5	14	**<0.001**	**14.4**	9.4	19.3	38	**0.006**
25 - 34	**8.2**	5.1	11.2	44		**6.3**	3.6	8.9	33		**10.6**	7.1	14.0	52	
35 - 44	**8.8**	6.1	11.5	70		**8.4**	5.5	11.3	62		**10.1**	7.1	13.2	76	
45 - 54	**18.9**	15.2	22.6	146		**15.5**	12.0	19.0	113		**13.5**	10.3	16.7	99	
55 - 64	**22.0**	18.9	25.1	296		**16.2**	13.5	19.0	221		**9.2**	7.0	11.4	135	
65+	**24.1**	21.6	26.6	537		**16.2**	14.1	18.4	375		**7.2**	5.6	8.9	147	
Education:															
<High School	**31.0**	24.2	37.8	137	**<0.001**	**22.6**	15.8	29.3	94	**<0.001**	**16.6**	10.7	22.5	60	**0.006**
High School	**18.9**	16.5	21.4	418		**14.3**	12.0	16.6	279		**12.6**	10.2	15.0	178	
Some College	**13.9**	11.9	15.9	319		**11.3**	9.4	13.1	257		**9.3**	7.3	11.2	164	
College Degree +	**9.0**	7.4	10.6	239		**7.5**	6.1	8.9	194		**7.5**	5.8	9.2	149	
Income:															
<$15,000	**38.4**	32.0	44.7	205	**<0.001**	**26.7**	20.9	32.5	157	**<0.001**	**27.5**	21.1	33.9	109	**<0.001**
$15,000 - $24,999	**24.9**	20.9	28.8	274		**18.8**	14.9	22.6	189		**16.0**	12.3	19.8	129	
$25,000 - $49,999	**13.9**	11.6	16.2	245		**10.9**	8.8	12.9	188		**8.5**	6.4	10.5	113	
$50,000 - $74,999	**9.0**	6.6	11.4	105		**7.0**	5.0	9.1	80		**7.3**	4.6	9.9	56	
$75,000 +	**6.2**	4.2	8.1	73		**5.6**	3.8	7.4	68		**5.4**	3.4	7.4	59	
Race/Ethnicity:															
White, non-Hispanic	**14.6**	13.3	15.9	833	**0.006**	**11.4**	10.2	12.6	639	NS	**9.8**	8.5	11.0	396	**0.005**
AI/AN*	**21.1**	16.1	26.2	180		**16.5**	9.7	23.4	117		**15.4**	10.2	20.6	101	
Disability:															
Disability	**41.5**	38.3	44.7	794	**<0.001**	**32.0**	29.0	35.2	609	**<0.001**	**22.9**	19.9	26.0	345	**<0.001**
No Disability	**6.1**	5.1	7.1	302		**5.0**	4.0	6.1	202		**5.6**	4.5	6.6	194	

† How would you say your general health is? Total Sample Size: 5,956, Weighted Prevalence Estimate: 127,335.

‡ How many days during the past month was your physical health “not good”? Frequent is defined as 14 or more days in the past 30. Total Sample Size: 5,862, Weighted Prevalence Estimate: 97,601.

§ How many days during the past month was your mental health “not good”? Frequent is defined as 14 or more days in the past 30. Total Sample Size: 5,880, Weighted

Prevalence Estimate: 83,934.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 1b: Health Related Quality of Life Measures (continued), Montana Adults 2016

	Frequent Unhealthy Days†					Mean Number of Unhealthy Days‡		
		95% CI		UnWt.	P		95% CI	
	Wt.%	LL	UL	N	Value	Mean	LL	UL
All Adults	**15.3**	13.5	17.1	511		**6.2**	5.8	6.6
Sex:								
Male	**15.0**	12.3	17.6	206	NS	**5.4**	4.9	5.8
Female	**15.6**	13.2	18.1	305		**7.1**	6.5	7.6
Age:								
18 - 24	**NSD**Δ			8	**<0.001**	**6.3**	5.0	7.7
25 - 34	**6.6**	2.7	10.4	20		**5.2**	4.2	6.2
35 - 44	**9.1**	5.1	13.0	35		**5.2**	4.3	6.1
45 - 54	**24.5**	18.5	30.4	85		**7.3**	6.3	7.5
55 - 64	**20.6**	16.4	24.8	147		**6.7**	5.9	7.5
65+	**22.2**	18.5	25.9	211		**6.4**	5.8	7.1
Education:								
<High School	**31.3**	22.3	40.4	64	**<0.001**	**9.5**	7.7	11.3
High School	**18.0**	14.4	21.7	161		**6.9**	6.1	7.6
Some College	**13.2**	10.5	15.9	157		**5.9**	5.2	6.5
College Degree +	**9.1**	6.8	11.3	127		**4.9**	4.4	5.4
Income:								
<$15,000	**34.3**	26.3	42.2	115	**<0.001**	**12.6**	10.9	14.3
$15,000 - $24,999	**19.0**	14.2	23.7	117		**9.1**	8.0	10.2
$25,000 - $49,999	**13.4**	10.2	16.6	108		**5.5**	4.9	6.2
$50,000 - $74,999	**10.0**	6.0	14.0	45		**4.4**	3.6	5.2
$75,000 +	**4.5**	2.3	6.7	32		**4.0**	3.4	4.7
Race/Ethnicity:								
White, non-Hispanic	**14.7**	12.8	16.6	380	NS	**5.9**	5.5	6.3
AI/AN*	**18.5**	11.7	25.3	85		**8.4**	6.7	10.0
Disability:								
Disability	**35.7**	31.8	39.6	422	**<0.001**	**12.9**	12.0	13.8
No Disability	**3.2**	2.2	4.2	76		**3.8**	3.4	4.1

† Frequent (14+) unhealthy days (poor physical health days and poor mental health days combined) in the past 30 days. Total Sample Size: 2,876, Weighted Prevalence Estimate: 61,492.

‡ Mean number of the total unhealthy days (poor physical health days and poor mental health days combined) in the past 30 days. Total Sample Size: 5,788.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 2: Disability, Montana Adults, 2016					
	Self-Reported Disability§				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**27.1**	25.6	28.7	1,944	
Sex:					
Male	**27.1**	24.9	29.3	917	NS
Female	**27.1**	24.9	29.3	1,025	
Age:					
18 - 24	**12.2**	7.7	16.7	38	**<0.001**
25 - 34	**13.9**	10.2	17.6	83	
35 - 44	**17.4**	13.4	21.4	118	
45 - 54	**29.1**	24.7	33.4	215	
55 - 64	**31.9**	28.5	35.4	429	
65+	**45.4**	42.6	48.3	1,045	
Education:					
<High School	**50.4**	42.9	57.8	216	**<0.001**
High School	**31.9**	28.9	34.9	679	
Some College	**25.0**	22.3	27.6	589	
College Degree +	**17.3**	15.2	19.4	456	
Income:					
<$15,000	**57.1**	50.6	63.7	306	**<0.001**
$15,000 - $24,999	**39.0**	34.3	43.6	443	
$25,000 - $49,999	**26.8**	23.7	29.8	477	
$50,000 - $74,999	**18.6**	15.3	21.9	210	
$75,000 +	**12.2**	9.8	14.7	169	
Race/Ethnicity:					
White, non-Hispanic	**26.0**	24.4	27.7	1,521	**0.003**
AI/AN*	**36.1**	29.0	43.2	264	
Disability:					
Disability	Not Applicable				
No Disability	Not Applicable				

§ Disability is defined as a "Yes" response to any of the following questions: 1. Are you deaf or do you have serious difficulty hearing? 2. Are you blind or do you have serious difficulty seeing? 3. Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating remembering, or making decisions? 4. Do you have serious difficulty walking or climbing stairs? 5. Do you have difficulty dressing or bathing? 6. Because of a physical mental, or emotional condition, do you have difficulty doing errands alone? Total Sample Size: 5,839, Weighted Prevalence Estimate: 215,715.

* American Indian or Alaska Native only.

NS Not significant.

Table 3: Access to Health Care, Montana Adults, 2016										
	No Health Care Coverage (ages 18 - 64)†					Couldn't Afford to See Doctor (past 12 months)‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**12.4**	10.8	14.0	385		**11.3**	10.1	12.6	572	
Sex:										
Male	**13.5**	11.2	15.8	216	NS	**10.1**	8.4	11.8	236	NS
Female	**11.3**	9.1	13.4	169		**12.5**	10.7	14.3	336	
Age:										
18 - 24	**14.4**	9.4	19.5	39	**0.02**	**9.8**	5.5	14.1	28	**0.002**
25 - 34	**16.6**	12.3	20.8	78		**17.4**	13.2	21.7	89	
35 - 44	**10.4**	7.0	13.7	61		**11.9**	8.4	15.3	73	
45 - 54	**10.2**	7.3	13.0	75		**17.2**	13.5	20.8	122	
55 - 64	**10.8**	8.5	13.2	132		**11.7**	9.4	14.0	157	
65+						**3.8**	2.7	4.8	101	
Education:										
<High School	**27.6**	18.5	36.7	47	**0.002**	**17.5**	11.3	23.8	59	**0.006**
High School	**16.2**	13.2	19.2	173		**12.3**	10.0	14.5	185	
Some College	**10.3**	7.7	12.9	97		**11.4**	9.2	13.7	170	
College Degree +	**6.6**	4.5	8.7	68		**8.2**	6.5	10.0	158	
Income:										
<$15,000	**18.7**	12.6	24.7	51	**<0.001**	**18.2**	13.1	23.3	92	**<0.001**
$15,000 - $24,999	**22.8**	17.2	28.4	93		**20.0**	15.9	24.1	146	
$25,000 - $49,999	**15.2**	11.6	18.7	100		**14.9**	11.9	17.9	148	
$50,000 - $74,999	**7.9**	4.7	11.0	43		**5.6**	3.7	7.5	59	
$75,000 +	**4.4**	2.5	6.2	45		**4.0**	2.4	5.6	43	
Race/Ethnicity:										
White, non-Hispanic	**11.5**	9.9	13.2	308	NS	**10.4**	9.1	11.7	408	**0.003**
AI/AN*	**16.2**	9.9	22.5	43		**17.8**	11.9	23.8	101	
Disability:										
Disability	**14.4**	11.0	17.8	101	NS	**17.3**	14.6	19.9	270	**<0.001**
No Disability	**12.0**	10.1	13.8	275		**9.2**	7.8	10.6	292	

† Do you have any kind of health care coverage (analysis limited to ages 18-64)? Total Sample Size: 3,604, Weighted Prevalence Estimate: 76,710.

‡ Did you need to see a doctor in the past year, but could not because of the cost? Total Sample Size: 5,963, Weighted Prevalence Estimate: 92,495.

* American Indian or Alaska Native only.

NS Not significant.

Table 4: Health Care Utilization, Montana Adults, 2016										
	No Personal Health Care Provider†					No Routine Checkup in the Past Year‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**26.4**	24.7	28.1	1,349		**34.4**	33	36	1,713	
Sex:										
Male	**33.4**	30.8	36.0	809	**<0.001**	**39.2**	37	42	887	**<0.001**
Female	**19.4**	17.2	21.6	539		**29.6**	27	32	826	
Age:										
18 - 24	**45.9**	39.1	52.7	141	**<0.001**	**47.4**	41	54	128	**<0.001**
25 - 34	**41.9**	36.5	47.3	230		**47.3**	42	53	247	
35 - 44	**31.3**	26.4	36.2	215		**41.7**	36	47	263	
45 - 54	**23.3**	19.4	27.3	202		**34.2**	30	39	252	
55 - 64	**18.5**	15.7	21.2	280		**30.8**	27	34	423	
65+	**10.2**	8.5	12.0	262		**17.2**	15.0	19	382	
Education:										
<High School	**25.5**	18.8	32.2	97	**0.01**	**39.0**	32	47	120	**0.03**
High School	**31.6**	28.4	34.8	469		**36.6**	33	40	550	
Some College	**26.1**	23.0	29.2	401		**34.1**	31	37	508	
College Degree +	**20.6**	18.0	23.3	376		**30.9**	28	34	530	
Income:										
<$15,000	**29.4**	23.2	35.7	126	**<0.001**	**38.6**	32.0	45	151	**0.006**
$15,000 - $24,999	**32.3**	27.4	37.2	240		**40.6**	36	46	295	
$25,000 - $49,999	**27.7**	24.2	31.3	342		**37.9**	34	42	426	
$50,000 - $74,999	**24.7**	20.6	28.7	202		**32.4**	28.0	37	275	
$75,000 +	**22.2**	18.8	25.7	231		**31.0**	27	35	319	
Race/Ethnicity:										
White, non-Hispanic	**25.5**	23.6	27.3	1,010	**0.004**	**34.3**	32	36	1,400	NS
AI/AN*	**34.9**	28.3	41.5	221		**36.1**	29	43	185	
Disability:										
Disability	**16.6**	14.1	19.2	317	**<0.001**	**27.1**	24	30	440	**<0.001**
No Disability	**29.8**	27.7	32.0	985		**37**	35	39	1,229	

† Do you have one person you think of as your personal doctor or health care provider? Total Sample Size: 5,953, Weighted Prevalence Estimate: 215,369.

‡ About how long has it been since you last visited a doctor for a routine checkup? Total Sample Size: 5,855, Weighted Prevalence Estimate: 275,430.

* American Indian or Alaska Native only.

NS Not significant.

Table 5: Oral Health, Montana Adults, 2016					
	No Dental Visit in the Past Year†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**34.5**	32.7	36.2	1,979	
Sex:					
Male	**38.7**	36.1	41.3	1,024	**<0.001**
Female	**30.2**	27.8	32.6	954	
Age:					
18 - 24	**32.3**	25.9	38.7	90	NS
25 - 34	**39.5**	34.2	44.9	212	
35 - 44	**33.2**	28.2	38.3	218	
45 - 54	**35.0**	30.4	39.5	263	
55 - 64	**34.9**	31.4	38.4	450	
65+	**32.4**	29.7	35.1	724	
Education:					
<High School	**53.5**	46.0	61.0	207	**<0.001**
High School	**40.2**	36.9	43.5	732	
Some College	**34.5**	31.3	37.8	595	
College Degree +	**22.0**	19.5	24.6	440	
Income:					
<$15,000	**53.6**	47.2	60.0	262	**<0.001**
$15,000 - $24,999	**49.6**	44.7	54.6	441	
$25,000 - $49,999	**35.6**	31.9	39.2	476	
$50,000 - $74,999	**27.4**	23.2	31.5	237	
$75,000 +	**19.8**	16.6	23.1	230	
Race/Ethnicity:					
White, non-Hispanic	**33.7**	31.8	35.6	1,600	NS
AI/AN*	**36.6**	29.7	43.5	227	
Disability:					
Disability	**42.1**	38.8	45.4	789	**<0.001**
No Disability	**31.4**	29.3	33.6	1,139	

† How long has it been since you last visited a dentist or dental clinic for any reason? Total Sample Size: 5,912, Weighted Prevalence Estimate: 279,333.
* American Indian or Alaska Native only.
NS Not significant.

Table 6: Breast Cancer Screening, Montana Adult Women Ages 50 - 74, 2016										
	No Mammogram in Past 2 Years†					Never Had a Mammogram‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Women:	**26.1**	23.0	29.2	419		**6.1**	4.4	7.9	92	
Age:										
18 - 24										
25 - 34	Not Applicable					Not Applicable				
35 - 44										
50 - 54	**32.6**	24.1	41.1	68	**0.02**	**11.2**	5.6	16.8	28	NS
55 - 64	**26.8**	22.3	31.3	194		**5.7**	3.1	8.2	35	
65 - 74	**21.0**	17.0	25.0	157		**3.7**	2.0	5.4	29	
Education:										
<High School	**NSD**Δ			22	**0.03**	**8.5**	6.1	11.0	6	NS
High School	**24.9**	19.5	30.3	123		**6.8**	3.8	9.9	34	
Some College	**27.3**	22.3	32.3	157		**5.7**	2.8	8.7	30	
College Degree +	**21.8**	16.9	26.8	116		**5.4**	2.4	8.4	21	
Income:										
<$15,000	**NSD**Δ			44	**0.006**	**NSD**Δ			12	
$15,000 - $24,999	**36.5**	27.7	45.4	90		**11.6**	6.0	17.3	32	
$25,000 - $49,999	**24.0**	18.3	29.6	109		**NSD**Δ			14	
$50,000 - $74,999	**23.6**	16.2	30.9	62		**NSD**Δ			18	
$75,000 +	**19.1**	12.8	25.3	53		**NSD**Δ			5	
Race/Ethnicity:										
White, non-Hispanic	**25.7**	22.5	28.9	351		**6.2**	4.3	8.0	78	
AI/AN*	**NSD**Δ			39		**NSD**Δ			8	
Disability:										
Disability	**33.2**	27.2	39.3	371	**0.002**	**5.6**	2.8	8.4	29	NS
No Disability	**22.8**	19.3	26.2	262		**6.4**	4.2	8.6	62	

† Women respondents aged 50-74 who have had a mammogram in the past two years. Total Sample Size: 1,676, Weighted Prevalence Estimate: 41,890.

‡ Have you ever had a mammogram? (respondents ages 50-74 only) Total Sample Size: 1,695, Weighted Prevalence Estimate: 9,948.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 7: Cervical Cancer Screening, Montana Adult Women, 2016	No Pap Test in Past 3 Years (ages 21-65)†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Women:	**19.5**	16.5	22.4	282	
Age:					
21 - 30	**16.6**	9.7	23.4	28	**0.046**
31 - 40	**17.6**	11.9	23.3	54	
41 - 50	**20.1**	12.6	27.7	41	
51 - 60	**21.6**	16.4	26.8	103	
61 - 65	**25.9**	17.9	33.9	56	
Education:					
<High School	**NSD**Δ			20	NS
High School	**25.4**	18.9	31.9	94	
Some College	**18.0**	12.5	23.5	75	
College Degree +	**15.4**	11.3	19.5	93	
Income:					
<$15,000	**NSD**Δ			28	**0.002**
$15,000 - $24,999	**21.7**	14.1	29.3	63	
$25,000 - $49,999	**19.8**	13.6	26.0	67	
$50,000 - $74,999	**18.7**	11.9	25.6	47	
$75,000 +	**10.2**	6.0	14.5	35	
Race/Ethnicity:					
White, non-Hispanic	**19.1**	15.9	22.3	222	NS
AI/AN*	**14.8**	7.0	22.5	39	
Disability:					
Disability	**23.3**	16.0	30.7	71	NS
No Disability	**17.8**	14.5	21.2	189	

† Have you ever had a Pap test? How long has it been since your last Pap test? Analysis includes women ages 21-65. Total Sample Size: 1,330, Weighted Prevalence Estimate: 41,898.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 8: Colorectal Cancer Screening, Montana Adults Ages 50-75, 2016										
	No Colonoscopy in Past 10 Years†					No Up-To-Date Colorectal Cancer Screening‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults:	**42.1**	39.6	44.5	1,209		**37.9**	35.5	40.4	1,097	
Sex:										
Male	**44.8**	41.2	48.4	578	**0.03**	**41.1**	37.5	44.6	533	**0.01**
Female	**39.4**	36.0	42.7	631		**34.8**	31.5	38.2	564	
Age:										
18 - 24										
25 - 34	Not Applicable					Not Applicable				
35 - 44										
50 - 54	**60.4**	54.1	66.7	258	**<0.001**	**56.9**	50.6	63.3	247	**<0.001**
55 - 64	**43.0**	39.3	46.7	543		**38.7**	35.0	42.3	492	
65-75	**29.9**	26.5	33.2	408		**25.6**	22.4	28.8	358	
Education:										
<High School	**NSD**Δ			85	**<0.001**	**NSD**Δ			76	**<0.001**
High School	**49.5**	45.0	54.0	429		**45.2**	40.7	49.7	395	
Some College	**41.6**	37.3	46.0	384		**37.5**	33.3	41.8	351	
College Degree +	**30.6**	26.8	34.4	310		**27.6**	23.9	31.4	274	
Income:										
<$15,000	**60.0**	50.6	69.4	133	**<0.001**	**47.7**	38.2	57.2	118	**<0.001**
$15,000 - $24,999	**55.4**	48.9	62.0	235		**50.9**	44.2	57.6	210	
$25,000 - $49,999	**41.0**	36.1	45.9	303		**36.8**	32.0	41.6	276	
$50,000 - $74,999	**39.2**	33.4	45.1	186		**37.1**	31.3	42.9	174	
$75,000 +	**31.7**	26.8	36.6	183		**29.3**	24.4	34.1	169	
Race/Ethnicity:										
White, non-Hispanic	**41.0**	38.4	43.6	988		**36.8**	34.2	39.3	898	
AI/AN*	**NSD**Δ			139		**NSD**Δ			125	
Disability:										
Disability	**42.0**	37.7	46.2	431	NS	**36.2**	32.1	40.3	385	NS
No Disability	**41.8**	38.8	44.9	772		**38.8**	35.8	41.8	707	

† Respondents, ages 50-75, who reported not having a colonoscopy within the past 10 years. Total Sample Size: 3,056, Weighted Prevalence Estimate: 134,024.

‡ Respondents, ages 50-75, who reported not meeting colorectal cancer screening recommendations (FOBT annually, colonoscopy every 10 years, or sigmoidoscopy every 5 years and FOBT every 3 years). Total Sample Size: 3,062, Weighted Prevalence Estimate: 121,266.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 9: HIV Testing, Montana Adults, 2016					
	Ever Tested for HIV†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**32.5**	30.7	34.4	1,528	
Sex:					
Male	**32.2**	29.7	34.8	716	NS
Female	**32.8**	30.2	35.4	812	
Age:					
18 - 24	**27.9**	21.4	34.4	75	**<0.001**
25 - 34	**44.1**	38.6	49.6	229	
35 - 44	**51.4**	45.9	56.9	329	
45 - 54	**43.3**	38.5	48.1	299	
55 - 64	**27.3**	23.9	30.7	328	
65+	**12.0**	10.0	14.0	257	
Education:					
<High School	**27.1**	19.8	34.4	94	NS
High School	**28.6**	25.3	31.8	373	
Some College	**33.8**	30.5	37.1	478	
College Degree +	**37.0**	33.9	40.2	581	
Income:					
<$15,000	**38.2**	31.5	44.9	152	NS
$15,000 - $24,999	**33.3**	28.4	38.1	265	
$25,000 - $49,999	**30.6**	27.0	34.2	354	
$50,000 - $74,999	**32.9**	28.4	37.4	256	
$75,000 +	**39.0**	34.8	43.1	343	
Race/Ethnicity:					
White, non-Hispanic	**30.9**	28.9	32.8	1,158	**<0.001**
AI/AN*	**50.8**	42.7	59.0	224	
Disability:					
Disability	**34.5**	31.2	37.8	499	NS
No Disability	**31.9**	29.7	34.1	1,023	

† Have you ever been tested for HIV? (Not including testing as part of a blood donation.) Total Sample Size: 5,524, Weighted Prevalence Estimate: 245,712.

* American Indian or Alaska Native only.

NS Not significant.

Table 10: Immunization, Montana Adults, 2016

	Received Influenza Vaccine in Past Year (ages 18-64)†					Received Influenza Vaccine in Past Year (ages 65+)‡					Ever Received Pneumococcal Vaccine (ages 65+)§				
		95% CI		UnWt.	P		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**34.6**	32.4	36.7	1,344		**57.3**	54.4	60.2	1,331		**73.3**	70.7	75.9	1,604	
Sex:															
Male	**29.7**	26.9	32.6	553	**<0.001**	**57.4**	53.0	61.8	555	NS	**68.8**	64.5	73.0	639	**0.001**
Female	**39.6**	36.4	42.8	791		**57.2**	53.5	61.0	775		**77.4**	74.4	80.5	965	
Age:															
18 - 24	**31.5**	25.1	37.9	94	**0.001**										
25 - 34	**29.6**	24.6	34.6	168											
35 - 44	**31.6**	26.9	36.4	223		Not Applicable					Not Applicable				
45 - 54	**38.2**	33.5	42.9	297											
55 - 64	**40.3**	36.8	43.9	562											
65+	Not Applicable					**57.3**	54.5	60.2	1,131		**73.3**	70.7	75.9	1,604	
Education:															
<High School	**18.1**	11.6	24.7	58	**<0.001**	**NSD**Δ			90	**0.04**	**NSD**Δ			109	NS
High School	**30.7**	26.9	34.6	343		**52.5**	47.4	57.7	407		**74.1**	69.6	78.6	498	
Some College	**33.1**	29.3	36.9	389		**57.5**	52.4	62.7	384		**72.0**	67.2	76.7	467	
College Degree +	**45.4**	41.6	49.2	552		**64.5**	59.8	69.1	449		**75.2**	70.9	79.6	527	
Income:															
<$15,000	**31.8**	24.4	39.2	105	**0.002**	**NSD**Δ			102	**<0.001**	**NSD**Δ			127	NS
$15,000 - $24,999	**30.6**	24.7	36.4	178		**50.3**	43.1	57.5	230		**67.0**	60.0	73.9	290	
$25,000 - $49,999	**29.9**	25.6	34.1	279		**59.0**	53.5	64.5	383		**77.2**	72.5	81.9	464	
$50,000 - $74,999	**38.8**	33.4	44.1	242		**65.6**	58.5	72.7	186		**79.5**	73.2	85.7	222	
$75,000 +	**42.5**	38.1	47.0	377		**64.7**	57.2	72.3	168		**71.5**	64.3	78.8	183	
Race/Ethnicity:															
White, non-Hispanic	**34.0**	31.7	36.3	1,041	NS	**57.5**	54.5	60.5	1,164		**73.3**	70.6	76.0	1,406	NS
AI/AN*	**39.6**	32.0	47.3	202		**NSD**Δ			110		**76.7**	67.4	86.0	123	
Disability:															
Disability	**38.3**	33.8	42.9	363	NS	**59.3**	55.0	63.5	637	NS	**79.7**	76.2	83.1	785	**<0.001**
No Disability	**33.7**	31.2	36.1	974		**55.5**	51.6	59.3	686		**68.1**	64.4	71.8	812	

† Have you had a flu shot in the past year (age 18-64)? Total Sample Size: 3,512, Weighted Prevalence Estimate: 208,091.

‡ Have you had a flu shot in the past year (age 65 years and older)? Total Sample Size:2,224, Weighted Prevalence Estimate: 102,869.

§ Have you ever had a pneumonia vaccination (age 65 years and older)? Total Sample Size: 2,170, Weighted Prevalence Estimate: 129,032.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 11: Physical Activity, Montana Adults, 2016					
	No Leisure-Time Physical Activity in Past 30 Days†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**19.9**	18.5	21.3	1,362	
Sex:					
Male	**19.3**	17.3	21.3	606	NS
Female	**20.5**	18.4	22.5	754	
Age:					
18 - 24	**15.6**	10.8	20.4	48	**<0.001**
25 - 34	**13.2**	9.6	16.7	79	
35 - 44	**13.7**	10.0	17.5	108	
45 - 54	**23.6**	19.6	27.7	174	
55 - 64	**21.7**	18.6	24.8	306	
65+	**27.2**	24.6	29.7	633	
Education:					
<High School	**33.3**	26.5	40.1	142	**<0.001**
High School	**26.9**	24.0	29.8	535	
Some College	**17.7**	15.3	20.1	404	
College Degree +	**10.5**	8.8	12.3	278	
Income:					
<$15,000	**33.0**	26.9	39.1	185	**<0.001**
$15,000 - $24,999	**25.9**	21.6	30.1	272	
$25,000 - $49,999	**21.1**	18.1	24.0	329	
$50,000 - $74,999	**13.8**	10.9	16.8	163	
$75,000 +	**10.9**	8.4	13.4	144	
Race/Ethnicity:					
White, non-Hispanic	**19.3**	17.7	20.8	1,078	**0.03**
AI/AN*	**25.6**	19.6	32.3	170	
Disability:					
Disability	**33.6**	30.6	36.7	682	**<0.001**
No Disability	**14.5**	13.0	16.1	644	

† During the past month, other than your regular job, did you do any physical activities or exercise? Total Sample Size: 5,964, Weighted Prevalence Estimate: 162,800.

* American Indian or Alaska Native only.

NS Not significant.

Table 12: Body Mass Index (BMI), Montana Adults, 2016										
	Overweight† (25.0 ≤ BMI < 30.0)					Obese‡ (BMI ≥ 30.0)				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**37.3**	35.4	39.1	2,063		**25.5**	23.8	27.1	1,551	
Sex:										
Male	**44.4**	41.8	47.1	1,174	**<0.001**	**25.0**	22.8	27.2	761	NS
Female	**29.3**	26.8	31.8	888		**26.0**	23.5	28.4	790	
Age:										
18 - 24	**29.0**	22.1	35.8	69	**<0.001**	**15.3**	10.2	20.5	46	**<0.001**
25 - 34	**32.4**	27.2	37.7	165		**23.6**	18.8	28.4	125	
35 - 44	**37.8**	32.5	43.2	221		**26.9**	22.2	31.6	193	
45 - 54	**39.8**	34.9	44.8	267		**32.0**	27.4	36.7	231	
55 - 64	**37.7**	34.1	41.4	468		**29.2**	25.9	32.5	394	
65+	**42.6**	39.7	45.5	860		**24.2**	21.7	26.7	556	
Education:										
<High School	**36.7**	29.1	44.4	116	NS	**26.2**	19.7	32.8	113	NS
High School	**35.5**	32.2	38.9	593		**27.4**	24.2	30.5	475	
Some College	**38.5**	35.0	41.9	626		**26.6**	23.6	29.5	499	
College Degree +	**37.7**	34.6	40.7	724		**21.7**	19.2	24.2	463	
Income:										
<$15,000	**31.6**	25.2	38.0	150	**0.009**	**31.2**	24.9	37.6	158	**0.03**
$15,000 - $24,999	**35.1**	30.2	40.0	294		**27.1**	22.9	31.5	288	
$25,000 - $49,999	**38.2**	34.4	41.9	530		**26.7**	23.3	30.1	399	
$50,000 - $74,999	**41.6**	37.0	46.1	368		**24.5**	20.6	28.4	245	
$75,000 +	**39.3**	35.3	43.3	451		**23.9**	20.5	27.4	274	
Race/Ethnicity:										
White, non-Hispanic	**37.7**	35.7	39.7	1,744	**0.02**	**25.2**	23.4	27.0	1,228	**0.047**
AI/AN*	**29.2**	22.6	35.8	193		**31.6**	25.1	38.2	213	
Disability:										
Disability	**34.3**	31.1	37.4	641	**0.04**	**34.4**	31.2	37.6	638	**<0.001**
No Disability	**38.3**	36.0	40.6	1,398		**22.2**	20.3	24.1	898	

† Self-reported height and weight yield a body mass index (BMI) greater than or equal to 25 and less than 30. Total Sample Size: 5,483, Weighted Prevalence Estimate: 278,160.

‡ Self-reported height and weight yield a body mass index (BMI) greater than or equal to 30. Total Sample Size: 5,483, Weighted Prevalence Estimate: 190,179.

* American Indian or Alaska Native only.

NS Not significant.

Table 13: Tobacco Use, Montana Adults, 2016

	Current Smokers†					Current Smokeless Tobacco Users‡					Current E-Cigarette Users§				
		95% CI		UnWt.	P		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**18.5**	17.0	20.0	951		**7.7**	6.7	8.8	396		**4.1**	3.2	4.9	132	
Sex:															
Male	**19.8**	17.6	22.0	451	NS	**14.0**	12.1	16.0	347	**<0.001**	**4.3**	3.1	5.5	71	NS
Female	**17.3**	15.2	19.4	499		**1.5**	0.8	2.1	48		**3.8**	2.6	5.1	61	
Age:															
18 - 24	**19.4**	13.9	24.8	61	**0.04**	**11.0**	6.6	15.5	35	**<0.001**	**10.9**	6.3	15.5	24	**0.02**
25 - 34	**25.1**	20.3	29.9	135		**11.4**	8.1	14.7	73		**4.3**	1.9	6.8	16	
35 - 44	**21.0**	16.7	25.3	140		**10.4**	7.1	13.6	66		**3.2**	1.5	4.8	20	
45 - 54	**22.2**	18.2	26.2	168		**10.1**	7.2	12.9	79		**4.8**	2.5	7.1	25	
55 - 64	**19.8**	16.7	22.9	233		**5.5**	3.9	7.1	80		**3.4**	1.9	4.9	28	
65+	**8.7**	7.0	10.4	207		**2.1**	1.3	2.9	61		**0.9**	0.3	1.4	17	
Education:															
<High School	**37.9**	30.4	45.4	123	**<0.001**	**12.8**	7.4	18.2	49	**0.002**	**6.3**	2.0	10.6	12	**0.008**
High School	**25.5**	22.4	28.6	368		**8.8**	6.9	10.7	147		**5.4**	3.6	7.3	50	
Some College	**16.4**	14.0	18.9	291		**8.3**	6.3	10.2	125		**4.6**	3.0	6.1	49	
College Degree +	**7.4**	5.8	8.9	168		**4.3**	3.1	5.5	75		**1.2**	0.6	1.8	21	
Income:															
<$15,000	**35.7**	29.4	42.0	152	**<0.001**	**5.0**	2.6	7.4	29	**0.009**	**7.3**	3.5	11.0	22	NS
$15,000 - $24,999	**28.9**	24.2	33.6	223		**7.3**	5.0	9.7	72		**8.7**	5.2	12.2	35	
$25,000 - $49,999	**20.8**	17.6	24.0	257		**7.8**	5.7	9.9	95		**3.9**	2.2	5.5	37	
$50,000 - $74,999	**10.4**	7.6	13.2	90		**9.4**	6.4	12.4	72		**2.4**	0.8	3.9	12	
$75,000 +	**9.5**	7.2	11.9	95		**9.1**	6.7	11.4	82		**1.3**	0.4	2.1	10	
Race/Ethnicity:															
White, non-Hispanic	**16.6**	15.1	18.2	673	**<0.001**	**7.7**	6.6	8.9	318	NS	**3.9**	3.0	4.7	112	NS
AI/AN*	**38.2**	30.4	45.9	190		**7.7**	4.4	11.0	51		**5.6**	0.1	11.1	8	
Disability:															
Disability	**26.2**	23.1	29.3	411	**<0.001**	**7.2**	5.5	8.9	135	NS	**3.4**	2.5	4.4	79	NS
No Disability	**15.7**	14.0	17.4	535		**7.8**	6.5	9.1	259		**5.1**	3.4	6.9	50	

† A current smoker is defined as someone who has ever smoked 100 cigarettes and who now smokes everyday or some days. Total Sample Size: 5,830, Weighted Prevalence Estimate: 147,432.

‡ A current user is defined as using chewing tobacco, snuff or snus everyday or some days. Total Sample Size: 5,854, Weighted Prevalence Estimate: 61,820.

§ A current e-cigarette user is defined as someone who uses e-cigarettes everyday or some days. Total Sample Size: 5,845, Weighted Prevalence Estimate: 32,352.

* American Indian or Alaska Native only.

NS Not significant.

Table 14: Alcohol Related Risk Behaviors, Montana Adults, 2016										
	Heavy Drinking in Past 30 Days†					Binge Drinking in Past 30 Days‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**7.1**	6.1	8.1	363		**18.9**	17.4	20.5	854	
Sex:										
Male	**7.8**	6.3	9.3	190	NS	**24.9**	22.5	27.3	539	**<0.001**
Female	**6.5**	5.1	7.8	173		**13.0**	11.1	14.9	315	
Age:										
18 - 24	**4.5**	1.7	7.4	12	NS	**28.6**	22.3	34.9	80	**0.008**
25 - 34	**9.7**	6.2	13.2	45		**30.4**	25.4	35.5	167	
35 - 44	**9.0**	5.9	12.2	56		**26.1**	21.3	30.9	159	
45 - 54	**6.7**	4.5	9.0	54		**18.8**	15.1	22.6	133	
55 - 64	**8.1**	6.0	10.1	93		**13.9**	11.5	16.4	182	
65+	**4.9**	3.7	6.1	101		**5.8**	4.5	7.1	131	
Education:										
<High School	**9.2**	4.6	12.9	30	NS	**19.3**	13.1	25.6	55	**0.02**
High School	**6.4**	4.7	8.1	104		**18.3**	15.5	21.1	247	
Some College	**6.9**	5.1	8.7	96		**19.7**	16.8	22.5	273	
College Degree +	**7.7**	6.0	9.4	133		**18.7**	16.1	21.3	279	
Income:										
<$15,000	**4.9**	1.7	8.1	20	NS	**18.6**	13.1	24.1	68	NS
$15,000 - $24,999	**5.5**	3.3	7.7	46		**17.1**	13.2	21.1	123	
$25,000 - $49,999	**7.4**	5.2	9.5	92		**20.5**	17.3	23.8	229	
$50,000 - $74,999	**9.0**	6.1	11.8	71		**21.1**	17.1	25.2	145	
$75,000 +	**8.6**	6.2	10.9	88		**21.8**	18.4	25.2	205	
Race/Ethnicity:										
White, non-Hispanic	**7.6**	6.5	8.7	316	**0.02**	**19.2**	17.5	20.9	702	NS
AI/AN*	**4.0**	1.8	6.2	26		**19.8**	14.6	25.0	103	
Disability:										
Disability	**5.7**	4.1	7.3	93	NS	**13.9**	11.4	16.4	215	**<0.001**
No Disability	**7.7**	6.5	9.0	270		**20.9**	19.0	22.9	639	

† Heavy drinking is defined as the consumption of more than 14 alcoholic drinks per week for men or more than 7 alcoholic drinks per week for women. Total Sample Size: 5,730, Weighted Prevalence Estimate: 55,712.

‡ Binge drinking is defined as having five or more alcoholic drinks on one occasion for men, and four or more alcoholic drinks on one occasion for women. Total Sample Size: 5,719, Weighted Prevalence Estimate: 147,417.

* American Indian or Alaska Native only.

NS Not significant.

Table 15: Falls and Injuries, Montana Adults Ages 45 and Older, 2016										
	Fallen in Past 12 Months†					Injured From Fall in Past 12 Months‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**34.0**	32.0	36.0	1,512		**35.1**	31.7	38.6	519	
Sex:										
Male	**35.2**	32.3	38.2	668	NS	**30.0**	25.1	34.9	191	**0.004**
Female	**32.9**	30.2	35.5	843		**40.2**	35.4	45.1	328	
Age:										
18 - 24										
25 - 34	Not Applicable					Not Applicable				
35 - 44										
45 - 54	**34.9**	30.3	39.5	266	NS	**36.2**	28.3	44.1	89	NS
55 - 64	**33.0**	29.5	36.4	454		**37.8**	31.6	43.9	170	
65+	**35.0**	32.2	37.8	778		**32.7**	28.0	37.4	257	
Education:										
<High School	**36.1**	27.6	44.7	100	NS	**NSD**Δ			38	**0.03**
High School	**33.0**	29.5	36.6	423		**36.3**	29.9	42.7	150	
Some College	**34.5**	31.0	38.0	472		**33.6**	27.7	39.4	159	
College Degree +	**34.1**	30.8	37.4	516		**31.1**	25.7	36.5	171	
Income:										
<$15,000	**47.6**	39.6	55.6	170	**<0.001**	**NSD**Δ			76	**<0.001**
$15,000 - $24,999	**38.8**	33.5	44.1	263		**36.7**	28.3	45.2	97	
$25,000 - $49,999	**34.3**	30.4	38.2	384		**37.5**	30.6	44.3	141	
$50,000 - $74,999	**29.8**	25.3	34.4	227		**25.1**	17.5	32.7	60	
$75,000 +	**31.3**	26.9	35.7	249		**23.4**	16.4	30.4	64	
Race/Ethnicity:										
White, non-Hispanic	**33.4**	31.4	35.5	1,261	**<0.001**	**33.6**	30.0	37.2	414	
AI/AN*	**49.4**	41.0	57.7	163		**NSD**Δ			72	
Disability:										
Disability	**46.1**	42.6	49.6	744	**<0.001**	**42.6**	37.4	47.8	315	**<0.001**
No Disability	**27.3**	25.0	29.6	757		**28.0**	23.5	32.5	200	

† Have you ever fallen in the past 12 months? Total Sample Size: 4,293, Weighted Prevalence Estimate: 150,624.

‡ Have you been injured from your fall in the past 12 months? Total Sample Size: 1,505, Weighted Prevalence Estimate: 52,621.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 16: Seat Belt Use, Montana Adults, 2016					
	Does Not Always Wear Seat Belt†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**25.5**	23.9	27.2	1,607	
Sex:					
Male	**32.3**	29.8	34.7	958	**<0.001**
Female	**18.8**	16.7	20.9	648	
Age:					
18 - 24	**32.9**	26.3	39.4	94	**<0.001**
25 - 34	**28.2**	23.3	33.1	180	
35 - 44	**26.6**	22.1	31.1	197	
45 - 54	**24.4**	20.4	28.5	200	
55 - 64	**25.6**	22.5	28.6	394	
65+	**19.9**	17.8	22.1	528	
Education:					
<High School	**31.1**	24.0	38.2	118	**<0.001**
High School	**28.8**	25.8	31.9	524	
Some College	**26.6**	23.6	29.5	518	
College Degree +	**18.8**	16.5	21.1	445	
Income:					
<$15,000	**30.6**	24.8	36.3	158	**0.02**
$15,000 - $24,999	**29.4**	24.8	34.0	280	
$25,000 - $49,999	**26.4**	23.1	29.7	415	
$50,000 - $74,999	**25.1**	21.1	29.0	249	
$75,000 +	**23.9**	20.5	27.3	295	
Race/Ethnicity:					
White, non-Hispanic	**25.2**	23.5	26.9	1,322	NS
AI/AN*	**31.2**	23.8	38.5	177	
Disability:					
Disability	**27.3**	24.4	30.2	538	NS
No Disability	**25.0**	23.1	27.0	1,057	

† How often do you use seat belts when you drive or ride in a car? Total Sample Size: 5,781, Weighted Prevalence Estimate: 200,985.

* American Indian or Alaska Native only.

NS Not significant.

Table 17: Sexual Assault, Montana Adults, 2016

	Ever Experienced Sexual Assault†					Ever Experienced Attempted Sexual Assault‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**8.9**	7.6	10.1	371		**9.3**	8.1	10.6	387	
Sex:										
Male	**2.4**	1.4	3.5	33	**<0.001**	**3.5**	2.4	4.6	65	**<0.001**
Female	**15.2**	13.1	17.3	338		**15.0**	12.9	17.2	322	
Age:										
18 - 24	**9.2**	4.5	13.8	18	**<0.001**	**15.6**	9.9	21.4	31	**<0.001**
25 - 34	**15.3**	10.7	19.9	55		**13.1**	9.0	17.3	54	
35 - 44	**8.8**	5.8	11.9	58		**9.4**	6.1	12.7	54	
45 - 54	**9.2**	6.3	12.1	58		**9.7**	6.4	12.9	62	
55 - 64	**7.9**	5.8	9.9	92		**8.2**	6.1	10.3	87	
65+	**4.8**	3.5	6.1	88		**4.6**	3.4	5.9	97	
Education:										
<High School	**8.1**	2.8	13.4	19	NS	**11.0**	4.6	17.5	22	NS
High School	**7.7**	5.5	10.0	89		**9.2**	6.8	11.5	99	
Some College	**9.2**	7.1	11.4	125		**8.5**	6.5	10.5	130	
College Degree +	**10.0**	7.8	12.1	138		**10.1**	7.9	12.2	136	
Income:										
<$15,000	**15.3**	9.7	20.9	53	NS	**11.8**	7.1	16.4	44	NS
$15,000 - $24,999	**14.1**	9.7	18.4	82		**12.0**	8.4	15.7	76	
$25,000 - $49,999	**7.6**	5.5	9.7	87		**8.6**	6.3	10.9	94	
$50,000 - $74,999	**7.2**	4.4	10.0	46		**10.7**	7.2	14.2	60	
$75,000 +	**5.8**	3.8	7.8	49		**6.0**	3.9	8.0	59	
Race/Ethnicity:										
White, non-Hispanic	**8.5**	7.2	9.8	296	NS	**8.8**	7.5	10.1	304	NS
AI/AN*	**11.2**	4.9	17.6	41		**11.8**	4.3	19.2	46	
Disability:										
Disability	**14.5**	11.6	17.3	182	**<0.001**	**13.4**	10.7	16.1	174	**<0.001**
No Disability	**6.6**	5.4	7.9	188		**7.8**	6.4	9.2	212	

† Has anyone EVER had sex with you after you said or showed that you didn't want them to or without your consent? Total Sample Size: 4,884, Weighted Prevalence Estimate: 57,949.

‡ Has anyone EVER ATTEMPTED to have sex with you after you said or showed that you didn't want to or without your consent, BUT SEX DID NOT OCCUR? Total Sample Size: 4,873, Weighted Prevalence Estimate: 60,621.

* American Indian or Alaska Native only.

NS Not significant.

Table 18: Lifetime and Current Asthma, Montana Adults, 2016										
	Ever Diagnosed with Asthma†					Currently has Asthma‡				
		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**12.8**	11.6	14.0	771		**8.5**	7.6	9.5	535	
Sex:										
Male	**11.2**	9.6	12.8	301	**0.009**	**6.6**	5.3	7.8	187	**0.001**
Female	**14.4**	12.7	16.2	470		**10.5**	9.0	12.0	348	
Age:										
18 - 24	**12.6**	8.4	16.7	44	NS	**6.5**	3.5	9.4	24	NS
25 - 34	**14.1**	10.3	17.9	80		**7.8**	4.9	10.7	42	
35 - 44	**11.0**	7.9	14.2	81		**7.9**	5.2	10.7	56	
45 - 54	**15.0**	11.7	18.3	117		**10.3**	7.5	13.0	80	
55 - 64	**13.4**	10.8	15.9	164		**10.3**	7.9	12.6	122	
65+	**11.5**	9.8	13.3	279		**8.5**	6.9	10.0	209	
Education:										
<High School	**18.7**	12.9	24.5	75	**0.02**	**12.5**	7.7	14.4	54	NS
High School	**11.5**	9.4	13.6	205		**7.9**	6.1	9.6	140	
Some College	**12.7**	10.6	14.8	256		**8.1**	6.5	9.8	178	
College Degree +	**12.9**	10.8	15.0	235		**8.8**	7.0	10.6	163	
Income:										
<$15,000	**20.3**	15.2	15.4	101	**<0.001**	**16.3**	11.8	20.8	77	**0.001**
$15,000 - $24,999	**17.4**	13.8	20.9	155		**12.9**	9.7	16.0	119	
$25,000 - $49,999	**13.6**	11.0	16.2	192		**9.6**	7.4	11.6	130	
$50,000 - $74,999	**9.1**	6.5	11.6	89		**5.2**	3.2	7.1	56	
$75,000 +	**10.3**	8.0	12.7	117		**5.9**	4.1	7.7	73	
Race/Ethnicity:										
White, non-Hispanic	**12.5**	11.3	13.8	608	**<0.001**	**8.4**	7.3	9.5	422	**0.02**
AI/AN*	**21.2**	15.6	26.8	116		**13.4**	9.0	17.7	78	
Disability:										
Disability	**20.4**	17.7	23.0	374	**<0.001**	**15.9**	13.5	18.3	283	**<0.001**
No Disability	**10.2**	8.9	11.6	386		**6.0**	5.0	7.0	246	

† Did a doctor ever tell you that you had asthma? Total Sample Size: 5,954, Weighted Prevalence Estimate: 104,638.

‡ Do you currently have asthma? Total Sample Size: 5,925, Weighted Prevalence Estimate: 69,403.

* American Indian or Alaska Native only.

NS Not significant.

Table 19: Arthritis, Montana Adults, 2016					
	Doctor Diagnosed Arthritis†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**27.6**	26.1	29.1	2,142	
Sex:					
Male	**25.6**	23.5	27.7	875	**0.009**
Female	**29.7**	27.5	31.8	1,267	
Age:					
18 - 24	**NSD**[Δ]			8	**<0.001**
25 - 34	**8.6**	5.5	11.8	38	
35 - 44	**14.9**	11.2	18.7	96	
45 - 54	**30.9**	26.6	35.2	238	
55 - 64	**37.1**	33.6	40.6	535	
65+	**53.2**	50.3	56.0	1,210	
Education:					
<High School	**36.4**	29.9	42.9	161	**<0.001**
High School	**29.1**	26.3	32.0	676	
Some College	**27.7**	25.1	30.4	674	
College Degree +	**22.9**	20.6	25.2	626	
Income:					
<$15,000	**39.2**	33.0	45.4	245	**<0.001**
$15,000 - $24,999	**33.3**	29.0	37.5	408	
$25,000 - $49,999	**28.2**	25.1	31.3	527	
$50,000 - $74,999	**25.2**	21.6	28.9	290	
$75,000 +	**20.0**	17.2	22.9	851	
Race/Ethnicity:					
White, non-Hispanic	**27.9**	26.3	29.5	1,776	NS
AI/AN*	**23.8**	18.2	29.4	219	
Disability:					
Disability	**54.0**	50.7	57.3	1,133	**<0.001**
No Disability	**17.5**	16.1	19.0	966	

† Ever been told by a health care professional that you have arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia? Total Sample Size: 5,947, Weighted Prevalence Estimate: 224,686.

* American Indian or Alaska Native only.

NS Not significant.

Table 20: Cardiovascular Disease, Montana Adults, 2016

	Ever Diagnosed with a Heart Attack†					Ever Diagnosed with Angina or CHD‡					Ever Diagnosed with a Stroke§				
		95% CI		UnWt.	P		95% CI		UnWt.	P		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value	Wt.%	LL	UL	N	Value
All Adults	**4.3**	3.7	5.0	377		**3.7**	3.1	4.2	315		**3.2**	2.7	3.8	256	
Sex:															
Male	**5.9**	4.8	6.9	226	**<0.001**	**5.0**	4.0	6.0	196	**<0.001**	**2.9**	2.2	3.7	105	NS
Female	**2.8**	2.1	3.5	151		**2.4**	1.8	3.0	119		**3.5**	2.7	4.3	151	
Age:															
18 - 24	**NSD**Δ			3	**<0.001**	**NSD**Δ			0	NS	**NSD**Δ			0	**<0.001**
25 - 34	**NSD**Δ			5		**NSD**Δ			2		**NSD**Δ			6	
35 - 44	**NSD**Δ			10		**NSD**Δ			3		**NSD**Δ			9	
45 - 54	**3.3**	1.7	4.9	26		**NSD**Δ			15		**3.0**	1.4	4.6	19	
55 - 64	**4.3**	2.9	5.7	69		**4.3**	2.9	5.8	61		**3.5**	2.1	4.9	50	
65+	**11.3**	9.5	13.1	262		**10.7**	8.9	12.4	232		**8.0**	6.4	9.6	168	
Education:															
<High School	**7.0**	4.4	9.7	45	NS	**4.6**	2.4	6.9	23	**0.049**	**7.0**	3.8	10.3	33	**0.001**
High School	**5.5**	4.1	6.8	132		**4.6**	3.5	5.8	118		**3.5**	2.4	4.5	88	
Some College	**3.8**	2.8	4.7	109		**3.4**	2.4	4.4	89		**2.8**	1.9	3.6	70	
College Degree +	**3.0**	2.2	3.9	91		**2.7**	1.9	3.5	85		**2.4**	1.6	3.2	65	
Income:															
<$15,000	**7.8**	4.6	11.1	50	NS	**5.6**	2.8	8.5	36	NS	**7.6**	4.4	10.8	47	**<0.001**
$15,000 - $24,999	**6.4**	4.4	8.4	83		**5.6**	3.9	7.3	68		**4.6**	2.9	6.3	55	
$25,000 - $49,999	**5.7**	4.3	7.0	118		**4.6**	3.2	6.0	92		**2.5**	1.5	3.4	54	
$50,000 - $74,999	**2.6**	1.4	3.9	30		**2.8**	1.7	4.0	36		**2.3**	1.2	3.4	24	
$75,000 +	**1.7**	0.9	2.5	32		**1.7**	0.9	2.4	31		**NSD**Δ			16	
Race/Ethnicity:															
White, non-Hispanic	**4.4**	3.7	5.0	301	NS	**3.6**	3.1	4.2	258	NS	**3.1**	2.6	3.7	200	NS
AI/AN*	**5.4**	3.2	7.5	55		**3.9**	1.9	5.9	32		**4.8**	2.5	7.2	38	
Disability:															
Disability	**11.0**	9.1	12.9	247	**<0.001**	**10.2**	8.4	12.0	209	**<0.001**	**7.9**	6.3	9.6	168	**<0.001**
No Disability	**2.0**	1.5	2.5	122		**1.3**	0.9	1.7	100		**1.4**	1.0	1.8	77	

† Has a doctor ever told you that you had a heart attack? Total Sample Size: 5,561, Weighted Prevalence Estimate: 35,355.
‡ Has a doctor ever told you that you have angina or coronary heart disease (CHD)? Total Sample Size: 5,919, Weighted Prevalence Estimate: 29,934.

§ Has a doctor ever told you that you had a stroke? Total Sample Size: 5,960, Weighted Prevalence Estimate: 26,363.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 21: Diabetes, Montana Adults, 2016					
	Ever Diagnosed with Diabetes†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**8.1**	7.3	9.0	715	
Sex:					
Male	**8.3**	7.1	9.5	339	NS
Female	**7.9**	6.8	9.1	376	
Age:					
18 - 24	**NSD**Δ			4	**<0.001**
25 - 34	**NSD**Δ			9	
35 - 44	**3.0**	1.3	4.6	29	
45 - 54	**8.5**	6.1	11.0	85	
55 - 64	**11.9**	9.6	14.1	172	
65+	**17.0**	14.9	19.1	411	
Education:					
<High School	**11.2**	7.1	15.3	69	NS
High School	**8.5**	7.0	10.0	236	
Some College	**7.8**	6.3	9.2	212	
College Degree +	**7.3**	5.9	8.7	198	
Income:					
<$15,000	**15.0**	11.0	19.0	107	**<0.001**
$15,000 - $24,999	**8.3**	6.2	10.5	140	
$25,000 - $49,999	**10.2**	8.2	12.2	188	
$50,000 - $74,999	**5.9**	4.2	7.6	84	
$75,000 +	**3.8**	2.6	5.0	62	
Race/Ethnicity:					
White, non-Hispanic	**7.7**	6.8	8.6	505	**<0.001**
AI/AN*	**16.5**	12.0	21.0	158	
Disability:					
Disability	**16.9**	14.7	19.2	410	**<0.001**
No Disability	**5.0**	4.2	5.8	296	

† Have you ever been told by a doctor you have diabetes? Total Sample Size: 5,963, Weighted Prevalence Estimate: 66,284.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 22: Kidney Disease, Montana Adults, 2016					
	Ever Diagnosed with Kidney Disease‡				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**2.5**	2.0	3.1	201	
Sex:					
Male	**2.3**	1.6	2.9	85	NS
Female	**2.8**	2.0	3.6	116	
Age:					
18 - 24	**NSD**Δ			2	NS
25 - 34	**NSD**Δ			9	
35 - 44	**NSD**Δ			8	
45 - 54	**NSD**Δ			19	
55 - 64	**2.5**	1.3	3.6	36	
65+	**5.5**	4.3	6.8	127	
Education:					
<High School	**NSD**Δ			14	NS
High School	**2.7**	1.8	3.6	65	
Some College	**2.3**	1.4	3.2	60	
College Degree +	**2.6**	1.8	3.5	62	
Income:					
<$15,000	**NSD**Δ			21	**0.02**
$15,000 - $24,999	**3.8**	1.9	5.7	44	
$25,000 - $49,999	**2.8**	1.7	3.8	56	
$50,000 - $74,999	**1.7**	0.9	2.5	29	
$75,000 +	**NSD**Δ			13	
Race/Ethnicity:					
White, non-Hispanic	**2.5**	2.0	3.1	153	**0.03**
AI/AN*	**4.7**	2.2	7.2	39	
Disability:					
Disability	**6.0**	4.6	7.5	129	**<0.001**
No Disability	**1.3**	0.9	1.8	68	

‡ Ever told you have kidney disease? Not including kidney stones, bladder infection or incontinence. Total Sample Size: 5,946, Weighted Prevalence Estimate: 20,741.

* American Indian or Alaska Native only.

Δ NSD: Not Sufficient Data to report a reliable estimate.

NS Not significant.

Table 23: Mental Health, Montana Adults, 2016					
	Ever Diagnosed with a Depressive Disorder†				
		95% CI		UnWt.	P
	Wt.%	LL	UL	N	Value
All Adults	**19.5**	18.0	20.9	1,095	
Sex:					
Male	**14.2**	13.3	16.0	373	**<0.001**
Female	**24.8**	22.5	27.0	722	
Age:					
18 - 24	**19.5**	14.0	25.1	56	NS
25 - 34	**19.5**	15.1	23.9	101	
35 - 44	**21.1**	17.0	25.2	146	
45 - 54	**21.9**	18.1	25.6	173	
55 - 64	**23.0**	19.8	26.1	284	
65+	**14.2**	12.2	16.2	324	
Education:					
<High School	**27.7**	20.6	34.8	87	NS
High School	**18.3**	15.7	21.0	310	
Some College	**18.0**	15.6	20.5	341	
College Degree +	**20.4**	17.9	22.9	357	
Income:					
<$15,000	**32.9**	26.7	39.2	150	**<0.001**
$15,000 - $24,999	**22.5**	18.5	26.6	203	
$25,000 - $49,999	**19.0**	16.1	21.9	264	
$50,000 - $74,999	**14.2**	11.1	17.3	141	
$75,000 +	**16.6**	13.5	19.6	167	
Race/Ethnicity:					
White, non-Hispanic	**18.7**	17.1	20.2	869	**0.01**
AI/AN*	**27.1**	19.9	34.2	131	
Disability:					
Disability	**34.2**	31.0	37.4	572	**<0.001**
No Disability	**13.6**	12.1	15.2	496	

† Ever told you have a depressive disorder, including depression, major depression, dysthymia, or minor depression? Total Sample Size: 5,955, Weighted Prevalence Estimate: 158,695.

* American Indian or Alaska Native only.

NS Not significant.

Table 24: Health Status Indicators						
	Montana Wt % (95% CI)	Eastern Wt % (95% CI)	N. Central Wt % (95% CI)	S. Central Wt % (95% CI)	Southwest Wt % (95% CI)	Northwest Wt % (95% CI)
Self-Reported Fair or Poor Health	15.6 (14.3-16.8)	16.2 (13.4-19.0)	16.5 (13.8-19.2)	17.3 (14.3-20.3)	12.6 (10.2-15.1)	17.7 (14.9-20.4)
Frequent Poor Physical Health	12.1 (11.0-13.3)	10.9 (8.6-13.2)	10.8 (8.5-13.0)	12.3 (9.6-15.0)	10.9 (8.5-13.3)	14.9 (12.3-17.5)
Frequent Poor Mental Health	10.4 (9.2-11.6)	8.1 (6.0-10.1)	11.8 (9.1-14.6)	12.6 (9.5-15.6)	7.6 (5.4-9.9)	11.5 (8.9-14.0)
Frequent Unhealthy Days	15.3 (13.5-17.1)	15.7 (11.4-20.1)	16.1 (12.2-20.1)	14.5 (10.5-18.5)	9.4 (6.4-12.4)	20.6 (16.5-24.7)
Mean Number of Unhealthy Days	6.2 (5.8-6.6)	5.6 (4.8-6.4)	6.4 (5.6-7.2)	6.7 (5.7-7.6)	5.3 (4.5-6.0)	6.9 (6.1-7.7)
Disability	27.1 (25.6-28.7)	29.1 (25.4-32.8)	28.1 (24.7-31.5)	26.3 (22.8-29.8)	24.7 (21.5-28.0)	30.3 (26.9-33.7)

Table 25: Health Care Indicators						
	Montana Wt % (95% CI)	Eastern Wt % (95% CI)	N. Central Wt % (95% CI)	S. Central Wt % (95% CI)	Southwest Wt % (95% CI)	Northwest Wt % (95% CI)
No Health Care Coverage (ages 18-64)	12.4 (10.8-14.0)	11.4 (8.2-14.5)	10.9 (8.0-13.9)	11.5 (8.2-14.9)	14.5 (10.7-18.4)	11.1 (8.2-14.0)
Couldn't Afford to See Doctor (past 12 months)	11.3 (10.1-12.6)	8.5 (6.3-10.2)	11.2 (8.7-13.7)	13.2 (10.1-16.2)	11.5 (8.7-14.4)	11.8 (9.3-14.2)
No Personal Health Care Provider	26.4 (24.7-28.1)	27.7 (24.0-31.3)	27.8 (24.2-31.5)	26.0 (22.2-29.8)	27.3 (23.5-31.1)	23.7 (20.3-27.1)
No Rountine Checkup in the Past Year	34.4 (32.6-36.2)	35.0 (31.0-39.0)	31.1 (27.4-34.9)	29.7 (25.8-33.6)	40.2 (36.1-44.3)	33.1 (29.5-36.8)
No Dental Visit in the Past Year	34.5 (32.7-36.2)	33.8 (30.0-37.6)	36.6 (32.8-40.4)	29.9 (26.1-33.7)	33.4 (29.5-37.4)	38.3 (34.6-42.0)

Table 26: Clinical Preventive Practices						
	Montana Wt % (95% CI)	Eastern Wt % (95% CI)	N. Central Wt % (95% CI)	S. Central Wt % (95% CI)	Southwest Wt % (95% CI)	Northwest Wt % (95% CI)
No Mammogram in Past 2 Years (women ages 50-74)	26.1 (23.0-29.2)	32.2 (25.0-39.5)	24.0 (17.8-30.1)	26.3 (18.2-34.4)	24.2 (18.3-30.0)	26.4 (20.5-32.4)
No Mammogram Ever (women ages 50-74)	6.1 (4.4-7.9)	NSD[Δ]	NSD[Δ]	NSD[Δ]	5.3 (2.2-8.3)	5.9 (2.8-8.9)
No Pap Test in Past 3 Years (women ages 21-65)	19.5 (16.5-22.4)	24.7 (17.3-32.2)	19.3 (13.7-25.0)	19.3 (12.3-26.4)	16.8 (10.6-22.9)	18.9 (13.0-24.7)
No Colonoscopy in Past 10 Years (ages 50-75)	42.1 (39.6-44.5)	49.1 (43.5-54.6)	38.4 (33.3-43.5)	42.3 (36.5-48.1)	42.1 (36.8-47.3)	41.8 (37.0-46.5)
No Up-To-Date Colorectal Cancer Screening (ages 50-75)	37.9 (35.5-40.4)	45.5 (39.9-51.1)	35.7 (30.6-40.8)	35.7 (30.1-41.4)	37.8 (32.6-43.0)	38.3 (33.6-43.0)
Ever Tested for HIV ?	32.5 (30.7-34.4)	26.1 (22.4-29.7)	36.2 (32.2-40.2)	31.7 (27.6-35.8)	30.8 (26.9-30.7)	33.4 (29.6-37.1)
Received Influenza Vaccine in Past Year (ages 18-64)	34.6 (32.4-36.7)	37.9 (32.9-43.0)	35.3 (30.6-39.9)	36.6 (31.8-41.1)	36.6 (31.9-41.4)	31.0 (26.7-35.3)
Received Influenza Vaccine in Past Year (ages 65+)	57.3 (54.4-60.2)	61.7 (55.5-67.9)	56.0 (49.2-62.8)	61.5 (55.1-67.9)	62.2 (56.4-68.0)	50.2 (44.5-55.9)
Ever Received Pneumococcal Vaccine (ages 65+)	73.3 (70.7-75.9)	74.5 (68.9-80.1)	74.6 (68.8-80.3)	81.5 (75.9-87.1)	78.5 (73.5-83.5)	64.0 (58.4-69.5)

Δ NSD: Not Sufficient Data to report a reliable estimate.

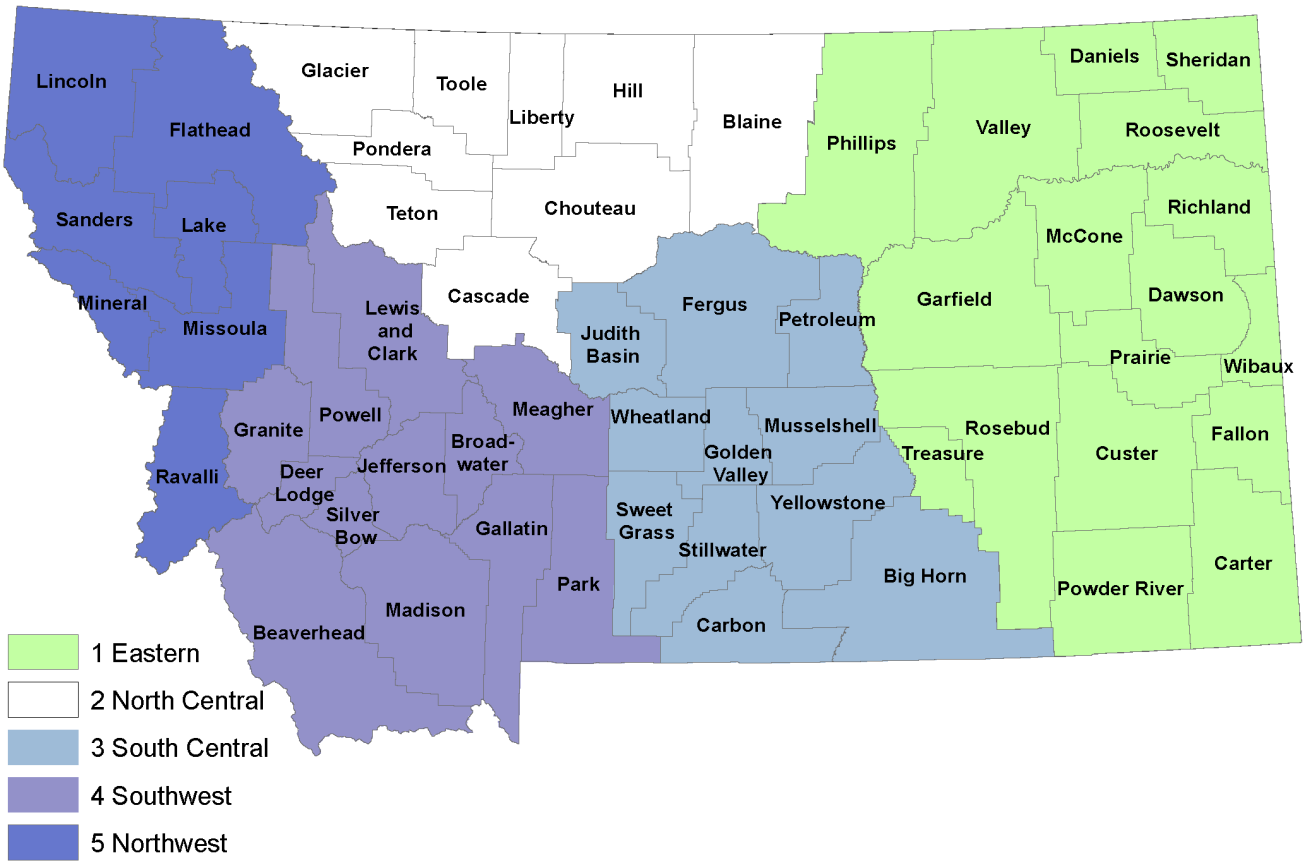
Table 27: Health Related Risk Behaviors						
	Montana Wt % (95% CI)	Eastern Wt % (95% CI)	N. Central Wt % (95% CI)	S. Central Wt % (95% CI)	Southwest Wt % (95% CI)	Northwest Wt % (95% CI)
No Leisure-Time Physical Activity in Past 30 Days	**19.9** (18.5-21.3)	**24.4** (20.9-27.8)	**22.8** (19.5-26.1)	**21.7** (18.3-25.1)	**16.0** (13.2-18.9)	**19.6** (16.7-22.5)
Overweight (25.0 ≤ BMI <30.0)	**37.3** (35.4-39.1)	**34.8** (30.9-38.6)	**37.8** (33.8-41.7)	**37.9** (33.7-42.1)	**35.1** (31.1-39.1)	**39.0** (35.2-42.8)
Obese (BMI ≥ 30.0)	**25.5** (23.8-27.1)	**30.3** (26.4-34.2)	**28.5** (24.8-32.1)	**29.0** (25.1-32.8)	**23.9** (20.2-27.5)	**23.0** (19.9-26.2)
Current Smokers	**18.5** (17.0-20.0)	**22.0** (18.3-25.7)	**22.5** (19.0-25.9)	**17.5** (14.1-21.0)	**16.3** (13.2-19.4)	**18.7** (15.6-21.8)
Current Smokeless Tobacco Users	**7.7** (6.7-8.8)	**16.3** (12.8-19.8)	**8.5** (6.2-10.7)	**8.5** (6.1-10.9)	**7.1** (4.9-9.4)	**4.7** (2.9-6.4)
Heavy Drinking in Past 30 Days	**7.1** (6.1-8.1)	**7.0** (4.8-9.2)	**6.6** (4.6-8.7)	**7.0** (4.7-9.3)	**6.8** (4.6-9.1)	**8.2** (6.1-10.3)
Binge Drinking in Past 30 Days	**18.9** (17.4-20.5)	**18.7** (15.3-22.2)	**22.2** (18.7-25.7)	**18.1** (14.7-21.5)	**19.3** (15.8-22.8)	**18.1** (15.0-21.3)
Fallen in Past 12 Months (ages 45+)	**34.0** (32.0-36.0)	**34.8** (30.4-39.2)	**31.2** (27.0-35.4)	**31.1** (26.6-35.5)	**34.2** (30.0-38.5)	**37.7** (33.7-41.7)
Injured from Fall in Past 12 Months (ages 45+)	**35.1** (31.7-38.6)	**25.1** (19.1-31.1)	**35.4** (27.5-43.3)	**42.9** (34.2-51.5)	**36.1** (28.8-43.5)	**30.8** (24.4-37.3)
Does Not Always Wear Seat Belt	**25.5** (23.9-27.2)	**40.8** (36.7-44.8)	**30.9** (27.3-34.6)	**23.6** (20.0-27.2)	**26.4** (22.7-30.1)	**20.1** (17.0-23.2)
Ever Experienced Sexual Assault	**8.9** (7.6-10.1)	**7.7** (5.2-10.3)	**8.1** (5.5-10.6)	**7.7** (5.1-10.3)	**9.7** (7.0-12.5)	**9.6** (7.1-12.1)
Ever Experienced Attempted Sexual Assault	**9.3** (8.1-10.6)	**7.6** (5.0-10.2)	**8.8** (6.0-11.5)	**8.8** (6.0-11.7)	**7.9** (5.6-10.2)	**11.6** (8.9-14.4)

Table 28: Chronic Health Conditions						
	Montana Wt % (95% CI)	Eastern Wt % (95% CI)	N. Central Wt % (95% CI)	S. Central Wt % (95% CI)	Southwest Wt % (95% CI)	Northwest Wt % (95% CI)
Ever Diagnosed with Asthma	12.8 (11.6-14.0)	14.9 (11.9-17.9)	15.5 (12.6-18.4)	10.8 (8.4-13.3)	13.9 (11.0-16.7)	12.8 (10.3-15.2)
Currently has Asthma	8.5 (7.6-9.5)	10.2 (7.5-12.8)	10.6 (8.2-13.0)	7.1 (5.1-9.1)	9.2 (6.8-11.5)	9.0 (6.9-11.0)
Doctor Diagnosed Arthritis	27.6 (26.1-29.1)	27.7 (24.3-31.1)	26.8 (23.7-30.0)	27.7 (24.3-31.1)	24.3 (21.2-27.3)	33.5 (30.2-36.8)
Ever Diagnosed w/a Heart Attack	4.3 (3.7-5.0)	6.5 (4.6-8.4)	4.4 (2.9-5.9)	4.6 (3.1-6.1)	3.5 (2.3-4.7)	4.6 (3.3-5.9)
Ever Diagnosed w/Angina or CHD	3.7 (3.1-4.2)	3.9 (2.6-5.2)	3.5 (2.2-4.8)	5.9 (4.2-7.5)	2.5 (1.6-3.5)	3.8 (2.7-5.0)
Ever Diagnosed w/a Stroke	3.2 (2.7-3.8)	3.4 (2.1-4.8)	4.0 (2.5-5.5)	3.0 (1.9-4.2)	3.0 (1.8-4.1)	3.5 (2.4-4.7)
Ever Diagnosed with Diabetes	8.1 (7.3-9.0)	9.7 (7.7-11.8)	9.4 (7.3-11.6)	11.0 (8.7-13.3)	7.3 (5.5-9.1)	6.7 (5.2-8.2)
Ever Diagnosed with Kidney Disease	2.6 (2.0-3.1)	2.8 (1.7-4.0)	3.2 (1.8-4.5)	2.4 (1.3-3.5)	2.3 (1.2-3.4)	2.9 (1.8-4.1)
Ever Diagnosed with a Depressive Disorder	19.5 (18.0-20.9)	17.9 (14.8-21.0)	18.7 (15.5-21.9)	21.2 (17.7-24.8)	18.3 (15.1-21.4)	19.2 (16.3-22.1)

APPENDIX A

Montana BRFSS, 2016

Map of Montana's Health Planning Regions



APPENDIX B

Montana BRFSS, 2016

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