**Youth Risk Behavior Surveillance System (YRBSS)**



**2019 MS YRBS   
State and District Combined Datasets   
User’s Guide**

April 2021

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# Introduction

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| Purpose | The MS YRBS Combined Datasets contain data from middle school YRBS surveys conducted from 1995-2019 in multiple states and districts from 1995 - 2019. The purpose of the MS Combined Datasets is to facilitate MS YRBS data analyses that require middle school data from multiple years and/or multiple surveys. |

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| Contents | This documentation contains the following sections:   * Introduction * Surveys Included in the MS Combined Datasets * Variables Included in the MS Combined Datasets * Analytic Considerations * Appendix A: Record Counts by Survey and Year * Appendix B: 2019 Questionnaire Variable Specifications * Appendix C: 2019 Supplemental Variable Specifications * Appendix D: Selected Additional Risk Behavior Variable Specifications   **Note:** This document contains information specific to the MS Combined Datasets. Information on general MS YRBS data processing and data editing procedures are not included. When needed, references to other MS YRBS technical documents are provided. |

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| Background | The MS YRBS Combined Datasets include MS YRBS survey data from all the majority of weighted state and large urban school district middle school surveys conducted from 1995 to 2019.  Reasons to combine MS YRBS datasets include:   * to increase analytic sample size * to increase the represented area or population (i.e., a region of the country) * to identify changes in prevalence of a behavior across time (i.e., trend analysis)   The MS Combined Datasets provide several advantages to analysts:   * The variables in the MS Combined Datasets have been standardized across survey years. The variable Q27, for instance, means the same thing across all years of data. Analysts do not have to crosswalk the questionnaires and variables across multiple survey years themselves. * The MS Combined Datasets contain results from multiple state and district surveys. Analysts do not have to get individual files from individual surveys and combine them.   Limitations to consider include:   * Not all middle school surveys are in the dataset. State and district YRBS datasets are owned and controlled by the health and education agencies that conducted the surveys. Some of these agencies did not give CDC permission to include their middle school data in the MS Combined Datasets. Therefore, some analyses conducted using the MS Combined Datasets may produce results that do not match middle school results previously published by CDC. Refer to the “YRBSS Participation History & Data Quality” table on the “YRBSS Participation Maps & History” page at [www.cdc.gov/yrbss](http://www.cdc.gov/yrbss) for more information about surveys conducted and data availability. * The MS Combined Datasets are based on the 2019 MS YRBS standard questionnaire and include data from selected optional YRBS questions. Datasets from earlier years will have more missing data because questionnaires from earlier years did not include the same middle school standard questions as the 2019 middle school questionnaire did. * Many state and district middle school surveys do not include all of the 2019 standard MS YRBS questions. Some surveys delete some standard questions from their questionnaires. Data will be missing from some surveys for some variables due to these deletions. Many state and district surveys do not include all the standard questions in their questionnaires. Most standard questions are asked but some data will be missing from some state and local surveys. |

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| Data File Structure | The datasets are split into four groups due to large file sizes. The split files make it easier to download just the file(s) of interest. The datasets are split as follows:   1. Data from states with names beginning with A through M 2. Data from states with names beginning with N through Z 3. District data   Data for each group are provided in Microsoft Access and ASCII data formats. The Microsoft Access files are posted as zip files to make downloading them easier. The ASCII files can be read by common statistical packages. Programs to read the data in SAS and SPSS are posted on the website. A program to create a SAS format library is also posted on the website.  Refer to the “Data & Documentation” page at [www.cdc.gov/yrbss](http://www.cdc.gov/yrbss) for details about file names, downloading the data, and how to use the SAS and SPSS programs. |

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| Other Resources | Readers unfamiliar with YRBS data should review:   * the latest [data documentation](https://www.cdc.gov/healthyyouth/data/yrbs/data.htm), * [YRBS Questionnaire Content](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2017/YRBS_questionnaire_content_1991-2017.pdf), * [Methodology of the Youth Risk Behavior Surveillance System—2013](http://www.cdc.gov/mmwr/pdf/rr/rr6201.pdf), * [Software for Analysis of YRBS Data](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_analysis_software.pdf), * [Interpretation of YRBS Trend Data](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_trend_interpretation.pdf), * [Conducting Trend Analyses of YRBS Data](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_Conducting_Trend_Analyses.pdf), * [Combining YRBS Data Across Years and Sites](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_combining_data.pdf) * [How to Analyze YRBS Sexual Minority Data,](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_analyze_sexual_minority_data.pdf) and * the [Frequently Asked Questions](https://www.cdc.gov/healthyyouth/data/yrbs/faq.htm) page on the YRBS website.   **Note:** This document is not intended to teach statistical methods or inference techniques and assumes the reader is familiar with the concepts referenced, for example, weighting methods, analysis of complex survey data, data management, and statistical software and programming for analyzing MS YRBS data. |

# Surveys Included in the MS Combined Datasets

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| Data Inclusion Criteria | State and district surveys are included in the Combined Datasets if:   * they were conducted between 1995 and 2019, * they were a middle school survey, * the data were weighted, and * the state or district health or education agency conducting the survey gave CDC permission to include the data in the MS Combined Datasets.   **Note:** The state and district health and education agencies that conduct an MS YRBS survey with technical and financial assistance from CDC own and control access to their MS data. Some sites of these agencies did not grant CDC permission to include their MS data in the MS Combined Datasets.  Refer to the “Participation History & Data Quality” table on the “Participation Maps & History” page at [www.cdc.gov/yrbss](http://www.cdc.gov/yrbss) for more information about middle school surveys conducted and data availability. |

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| Survey Inclusion by Year | Refer to Appendix A for the number of records available by survey and by year.  No records in a given year means that:   * the survey was not conducted in that year or * the survey was conducted but the response rate was not sufficient to allow the data to be weighted or * the survey was conducted in the 2019 survey cycle but the response rate was less than 60% and nonresponse bias analysis results suggested that data were not representative of their respective population |

# Variables Included in the MS Combined Datasets

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| Categories of Variables Included | Seven kinds of variables are included in the MS Combined Datasets:   * Sample variables * Demographic variables * 2019 questionnaire variables, * 2019 supplemental variables, and * Selected additional risk behavior optional question variables.   Some surveys delete some MS standard questions from their MS questionnaires. Data will be missing from some surveys for some variables due to these deletions. Many state and district surveys do not include all the standard questions in their questionnaires. Most standard questions are asked but some MS data will be missing from some state and local surveys.  The MS combined datasets include 2019 data and data from previous years that map to 2019 MS questions. Datasets from earlier years will have more missing data because questionnaires from earlier years did not include the same MS standard questions as the 2019 MS questionnaire did. |

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| Sample Variables | Sample variables identify records by survey, site type, and survey year and provide information needed to perform statistical analyses appropriately.   | **Variable** | **Description** | | --- | --- | | sitecode | Two- or three-character survey site code that uniquely identifies a survey location | | sitename | Name of location covered by a survey | | sitetype | Type of survey site – “District” or “State” | | sitetypenum | Numeric indicator of type of survey site:  1 = “District”  2 = “State” | | year | 4-digit year of survey – 1995, 1997, etc. | | survyear | Number of year of survey:  1=1995  2=1997  3=1999, etc. | | weight | Analytical weight – used in statistical analyses | | stratum | Stratum – used in statistical analyses | | PSU | Primary Sampling Unit (PSU) – used in statistical analyses |   Refer to [Software for Analysis of YRBS Data](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_analysis_software.pdf) for details on using weight, stratum, and PSU correctly. |

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| Demographic Variables | Demographic variables identify respondents by various demographic characteristics. These variables are self-reported; some respondents may not have answered the relevant question.   | **Variable** | **Description** | | --- | --- | | age | Data from:  How old are you?  A. 10 years old or younger  B. 11 years old  C. 12 years old  D. 13 years old  E. 14 years old  F. 15 years old  G. 16 years old or older | | sex | Data from:  What is your sex?  A. Female  B. Male | | grade | Data from:  In what grade are you?  A. 6th grade  B. 7th grade  C. 8th grade  D. Ungraded or other grade | | race4 | 4-level variable from race and ethnicity questions:    1 = “White”  2 = “Black or African American”  3 = “Hispanic/Latino”  4 = “All Other Races” | | race7 | 7-level variable from race and ethnicity questions:  1 = “American Indian/Alaska Native”  2 = “Asian”  3 = “Black or African American”  4 = “Hispanic/Latino”  5 = “Native Hawaiian/Other Pacific Islander”  6 = “White”  7 = “Multiple Races (Non-Hispanic)” | |
|  | Race and ethnicity questions have changed over time. Race4 and race7 are coded to bridge over these changes to provide a 4- or 7-level indicator appropriate for all years.  Refer to [YRBS Questionnaire Content](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2017/YRBS_questionnaire_content_1991-2017.pdf) for information about specific questions asked in a given year.  Refer to the [2019 YRBS Data User’s Guide](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2097/2019_YRBS_Data_Users_Guide.pdf) for details on how race/ethnicity variables are edited and calculated. |

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| 2019 Questionnaire Variables | 2019 questionnaire variables in original and dichotomized versions.   |  |  | | --- | --- | | **Variable** | **Description** | | q6-q49 | Original data from questions 6 through 49 on the 2019 YRBS standard questionnaire. They are named with a “q” followed by the question number. | | qn6-qn49 | Dichotomized versions of questions 6 through 49. They are named with a “qn” followed by the question number.  The dichotomous variables are set to “1” when the student responds with an answer that is in the response(s) of interest (ROI). Students that respond otherwise are set to “2.” Dichotomized variables help analysts easily analyze risk behaviors in a way that reflects terms of broad interest. |   Refer to Appendix C for detailed specifications on the questionnaire variables, what each dichotomous variable represents, and how they are calculated.  Refer to the [2019 YRBS Data User’s Guide](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_Data_Users_Guide.pdf) for more explanation of dichotomous variables. |

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| 2019 Supplemental Variables | Supplemental variables calculated from the 2019 questionnaire. Supplemental dichotomous variables (coded as 1 or 2) of broad interest. They are named with a “qn” followed by a word that indicates the content of the variable. Supplemental variables are calculated based on data from one or sometimes more than one question.   |  |  | | --- | --- | | **Variable** | **Description/Variable Label** | | qnfrcig | Currently smoked cigarettes frequently | | qndaycig | Currently smoked cigarettes daily | | qnfrevp | Currently used electronic vapor products frequently | | qndayevp | Currently used electronic vapor products daily | | qnfrcgr | Currently smoked cigars frequently | | qndaycgr | Currently smoked cigars daily | | qntb2 | Currently smoked cigarettes or cigars | | qntb3 | Currently smoked cigarettes or cigars or used smokeless tobacco | | qntb4 | Currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products | | qntb5 | Currently smoked cigarettes or used electronic vapor products | | qnbk7day | Ate breakfast on all 7 days | | qnpa0day | Did not participate in at least 60 minutes of physical activity on at least 1 day | | qnpa7day | Were physically active at least 60 minutes per day on all 7 days | | qndlype | Attended physical education (PE) classes on all 5 days |   Refer to Appendix D for detailed specifications about what each supplemental variable represents and how it is calculated.  Refer to the [2019 YRBS Data User’s Guide](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_Data_Users_Guide.pdf) for more explanation of supplemental variables. |

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| Selected Additional Risk Behavior Variables | Selected additional risk behavior variables are in original and dichotomized versions. These variables come from questions that are not on the standard 2019 MS YRBS questionnaire but that are considered to be of broad interest. The variables for the original questions are named with a “q” followed by a word that indicates the content of the variable. The dichotomized versions (coded as 1 or 2) are named with a “qn” followed by a word that indicates the content of the variable.   | **Variable** | **Description/Variable Label** | | --- | --- | | qdrivemarijuana | Drive when using marijuana | | qcelldriving | Cell phone use while driving | | qbullyweight | Victim of teasing b/c of physical appearance | | qbullygay | Ever been teased b/c labeled GLB | | qcigschool | Currently smoke at school >=1 days | | qchewtobschool | Current snuff @ school | | qalcoholschool | Current drink at school | | qhowmarijuana | Usual use of marijuana | | qmarijuanaschool | Marijuana use at school | | qcurrentcocaine | Current cocaine use | | qhallucdrug | Ever used hallucinogenic drugs | | qprescription30d | Times take drug w/o prescription 30d | | qgenderexp | Others description of your masc/fem | | qtaughtHIV | Ever taught about AIDS/HIV at school | | qtaughtsexed | Ever had sex education in school | | qtaughtstd | Ever been taught in school about STDs | | qtaughtbc | Ever been taught about BC methods in sch | | qdietpop | Diet soda drinking >=1 time/day | | qcoffeetea | Coffee/tea drinking >=1 time/day | | qsportsdrink | Sports drinks | | qenergydrink | Energy drink >=1 time/day | | qsugardrink | Sugar-sweetened beverage >=1 time/day | | qwater | Plain water | | qfastfood | Meal/snack fast food >= 3 days | | qwenthungry | How often went hungry | | qmusclestrength | Muscle strengthening | | qsunscreenuse | Sunscreen use outside | | qindoortanning | Indoor tanning | | qcurrentasthma | Current asthma | | qwheresleep | Homelessness | | qhivtesting | HIV testing | | qsexid | Sexual identity | | qsamesex | Sex of sexual contact | | qoralsex | Ever had oral sex | | qsynthmarijuana | Lifetime synthetic marijuana use | | qndrivemarijuana | Drove a car or other vehicle when they had been using marijuana | | qncelldriving | Talked on a cell phone use while driving | | qnbullyweight | Have been the victim of teasing or name calling because of their weight, size, or physical appearance | | qnbullygay | Have been the victim of teasing or name calling because someone thought they were gay, lesbian, or bisexual | | qncigschool | Smoked cigarettes on school property | | qnchewtobschool | Used chewing tobacco, snuff, or dip on school property | | qnalcoholschool | Currently had at least one drink of alcohol on school property | | qnhowmarijuana | Usually used marijuana by smoking it in a joint, bong, pipe, or blunt | | qnmarijuanaschool | Used marijuana on school property | | qncurrentcocaine | Currently used any form of cocaine | | qnhallucdrug | Ever used hallucinogenic drugs | | qnprescription30d | Currently took a prescription drug without a doctor's prescription | | qngenderexp | Think other people at school would describe them as equally feminine and masculine | | qntaughtHIV | Have been taught about AIDS or HIV infection in school | | qntaughtsexed | Have had sex education in school | | qntaughtstd | Have been taught in school about sexually transmitted diseases (STDs) | | qntaughtbc | Have been taught in school about birth control methods | | qndietpop | Drank a can, bottle, or glass of diet soda or pop | | qncoffeetea | Drank a cup, can, or bottle of coffee, coffee drinks, or any kind of tea | | qnsportsdrink | Did not drink a can, bottle, or glass of a sports drink | | qnenergydrink | Drank a can, bottle, or glass of an energy drink | | qnsugardrink | Drank a can, bottle, or glass of a sugar-sweetened beverage | | qnwater | Did not drink a bottle or glass of plain water | | qnfastfood | Ate at least one meal or snack from a fast food restaurant | | qnwenthungry | Most of the time or always went hungry because there was not enough food in their home | | qnmusclestrength | Did exercises to strengthen or tone their muscles on three or more days | | qnsunscreenuse | Most of the time or always wear sunscreen | | qnindoortanning | Used an indoor tanning device | | qncurrentasthma | Had been told by a doctor or nurse that they had asthma and who still have asthma | | qnwheresleep | Did not usually sleep in their parent's or guardian's home | | qnhivtesting | Have been tested for HIV | | qnoralsex | Have had oral sex | | qnsynthmarijuana | Ever used synthetic marijuana |   Refer to Appendix D for detailed specifications about the selected additional risk behavior variables. |

# Analytic Considerations

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| Introduction | Important analytic considerations include   * Software requirements * Minimum cell size * Combining state and district datasets |

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| Software Requirements | The YRBS uses a multi-stage cluster sample design. Statistical software used to analyze YRBS data should account for this design. Many packages with this capability are available.  Refer to [Software for Analysis of YRBS Data](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_analysis_software.pdf) for more information on five statistical packages (SUDAAN, SAS, STATA, SPSS, and Epi Info) that can be used to analyze the YRBS. |

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| Minimum Cell Size | In general, CDC analyses of YRBS data use 100 as the minimum cell denominator although other analyses have used lower cutoffs (CDC uses 30 as the minimum cell size when analyzing sexual minority data, for instance). Different cutoffs can be used but it is important to set a level for any analyses and to be aware of cell size when analyzing the data.  Note: This refers to the denominator, not numerator. It is possible to have numerators of 0; these are reported as 0% with no confidence intervals. |

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| Combining State and District Datasets | Generally, as long as there is a sufficient number of records, it is recommended that state data be combined only with other states and that districts be combined only with other districts.  It is not recommended to combine state data and district data because of possible overlap between the two and because state data contain both urban and rural students while district data contain only urban students.  Refer to [Combining YRBS Data Across Years and Sites](https://www.cdc.gov/healthyyouth/data/yrbs/pdf/2019/2019_YRBS_combining_data.pdf) for more information about combining YRBS datasets. |

# Appendix A: Record Counts by Survey and Year

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| Appendix A | Appendix A contains number of records available by survey and by year. State and district MS YRBS data come from separate scientific samples of middle schools and students. |

|  | **Number of Records by State and Year of Survey** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Survey Site Name (Sitecode)** | **Year of Survey** | | | | | | | | | | | | | |
| **1995** | **1997** | **1999** | **2001** | **2003** | **2005** | **2007** | **2009** | **2011** | **2013** | **2015** | **2017** | **2019** | **Total** |
| Alabama (AL) | 0 | 0 | 2,157 | 1,407 | 1,179 | 0 | 0 | 1,027 | 0 | 0 | 0 | 0 | 0 | 5,770 |
| Colorado (CO) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,614 | 1,572 | 0 | 0 | 0 | 3,186 |
| Delaware (DE) | 0 | 0 | 0 | 0 | 0 | 0 | 3,416 | 3,806 | 3,145 | 3,677 | 3,079 | 2,974 | 1,153 | 21,250 |
| Florida (FL) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,738 | 5,886 | 6,026 | 5,177 | 23,827 |
| Hawaii (HI) | 0 | 1,450 | 1,394 | 1,495 | 7,709 | 0 | 1,231 | 1,611 | 5,109 | 5,036 | 6,374 | 6,418 | 6,591 | 44,418 |
| Kentucky (KY) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,800 | 2,027 | 1,702 | 1,640 | 1,404 | 1,663 | 10,236 |
| Maine (ME) | 0 | 1,811 | 0 | 1,509 | 2,128 | 1,480 | 1,538 | 5,187 | 5,482 | 4,133 | 5,163 | 4,719 | 5,166 | 38,316 |
| Maryland (MD) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26,967 | 27,104 | 23,568 | 27,299 | 104,938 |
| Mississippi (MS) | 0 | 0 | 0 | 1,580 | 1,510 | 0 | 0 | 1,522 | 1,557 | 0 | 0 | 0 | 0 | 6,169 |
| Nebraska (NE) | 1,363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,363 |
| Nevada (NV) | 0 | 0 | 0 | 0 | 0 | 0 | 1,767 | 2,467 | 0 | 0 | 0 | 1,550 | 0 | 5,784 |
| New Mexico (NM) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,303 | 3,851 | 5,110 | 3,120 | 6,820 | 4,841 | 29,045 |
| North Carolina (NC) | 2,227 | 0 | 0 | 2,197 | 0 | 0 | 3,256 | 0 | 1,937 | 1,410 | 0 | 2,524 | 2,751 | 16,302 |
| North Dakota (ND) | 836 | 0 | 1,666 | 1,377 | 1,818 | 1,239 | 2,091 | 2,144 | 2,141 | 2,132 | 2,047 | 2,381 | 2,346 | 22,218 |
| Pennsylvania (PA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,497 | 2,497 |
| Rhode Island (RI) | 0 | 0 | 0 | 0 | 0 | 0 | 2,382 | 3,629 | 3,301 | 2,338 | 2,479 | 1,484 | 1,571 | 17,184 |
| South Carolina (SC) | 0 | 0 | 0 | 0 | 0 | 1,383 | 1,394 | 1,325 | 1,475 | 1,540 | 0 | 0 | 0 | 7,117 |
| Tennessee (TN) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,589 | 0 | 0 | 0 | 5,589 |
| Vermont (VT) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,278 | 3,106 | 13,648 | 13,887 | 13,998 | 47,917 |
| Virginia (VA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,211 | 2,246 | 2,574 | 2,525 | 15,556 |
| West Virginia (WV) | 0 | 0 | 0 | 1,509 | 0 | 0 | 1,605 | 1,947 | 2,092 | 2,130 | 1,854 | 2,089 | 1,658 | 14,884 |
| Wyoming (WY) | 0 | 0 | 0 | 2,740 | 1,945 | 2,906 | 2,886 | 3,015 | 2,279 | 2,702 | 0 | 0 | 0 | 18,473 |
| **Total** | **4,426** | **3,261** | **5,217** | **13,814** | **16,289** | **7,008** | **21,566** | **34,783** | **39,288** | **84,093** | **74,640** | **78,418** | **79,236** | **462,039** |

|  | **Number of Records by District and Year of Survey** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Survey Site Name (Sitecode)** | **Year of Survey** | | | | | | | | | | | | | |
| **1995** | **1997** | **1999** | **2001** | **2003** | **2005** | **2007** | **2009** | **2011** | **2013** | **2015** | **2017** | **2019** | **Total** |
| Albuquerque, NM (AB) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,826 | 6,826 |
| Broward County, FL (FT) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,496 | 1,511 | 1,446 | 1,428 | 5,881 |
| Charlotte-Mecklenburg County, NC (CM) | 0 | 0 | 0 | 0 | 0 | 0 | 1,632 | 2,791 | 1,591 | 1,606 | 0 | 0 | 0 | 7,620 |
| Chicago, IL (CH) | 1,443 | 0 | 0 | 0 | 0 | 0 | 0 | 1,459 | 1,455 | 1,302 | 0 | 0 | 1,724 | 7,383 |
| Dallas, TX (DA) | 0 | 0 | 1,258 | 1,555 | 1,664 | 1,367 | 1,121 | 0 | 1,134 | 0 | 0 | 0 | 0 | 8,099 |
| Duval County, FL (DU) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,138 | 4,513 | 4,832 | 4,533 | 4,576 | 4,585 | 26,177 |
| Gaston County, NC (GS) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,456 | 1,456 |
| Houston, TX (HO) | 1,817 | 1,608 | 1,400 | 0 | 0 | 0 | 0 | 0 | 2,424 | 2,132 | 2,389 | 2,136 | 2,225 | 16,131 |
| Los Angeles, CA (LO) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,320 | 1,504 | 1,333 | 1,587 | 1,577 | 7,321 |
| Milwaukee, WI (ML) | 0 | 0 | 0 | 1,900 | 1,676 | 2,003 | 2,546 | 2,645 | 2,255 | 1,695 | 0 | 0 | 0 | 14,720 |
| Orange County, FL (OL) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,619 | 1,698 | 1,883 | 1,734 | 1,764 | 8,698 |
| San Bernardino, CA (SB) | 0 | 0 | 0 | 1,721 | 2,026 | 1,079 | 1,468 | 1,382 | 1,127 | 0 | 0 | 0 | 0 | 8,803 |
| San Diego, CA (SA) | 1,302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,302 |
| San Francisco, CA (SF) | 0 | 1,783 | 2,122 | 1,541 | 2,139 | 2,241 | 2,091 | 2,417 | 2,730 | 2,536 | 2,110 | 1,627 | 2,305 | 25,642 |
| Shelby County, TN (ST) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,258 | 1,418 | 2,676 |
| Total | 4,562 | 3,391 | 4,780 | 6,717 | 7,505 | 6,690 | 8,858 | 13,832 | 20,168 | 18,801 | 13,759 | 14,364 | 25,308 | 148,735 |

# Appendix B: 2019 Questionnaire Variable Specifications

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| Appendix B | Appendix B contains q and qn specifications for question 6 through question 49 of the 2019 standard MS YRBS questionnaire. |

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| Q6. **When you ride a bicycle,** how often do you wear a helmet?  A. I do not ride a bicycle  **B. Never wear a helmet**  **C. Rarely wear a helmet**  D. Sometimes wear a helmet  E. Most of the time wear a helmet  F. Always wear a helmet  Variable label: Bicycle helmet use  Short response:  A. Did not ride a bicycle  **B. Never wear a helmet**  **C. Rarely wear a helmet**  D. Sometimes wear a helmet  E. Most of the time wear a helmet  F. Always wear a helmet  QN6\*: Numerator: Students who answered B, or C for Q6  Denominator: Students who answered B, C, D, E, or F for Q6  Summary Text: Percentage of students who rarely or never wore a bicycle helmet (among students who rode a bicycle)  Variable label: Rarely or never wore a bicycle helmet |
| Q7. **When you rollerblade or ride a skateboard**, how often do you wear a helmet?  A. I do not rollerblade or ride a skateboard  **B. Never wear a helmet**  **C. Rarely wear a helmet**  D. Sometimes wear a helmet  E. Most of the time wear a helmet  F. Always wear a helmet  Variable label: Rollerblading helmet use  Short response:  A. Do not rollerblade/skateboard  **B. Never wear a helmet**  **C. Rarely wear a helmet**  D. Sometimes wear a helmet  E. Most of the time wear a helmet  F. Always wear a helmet  QN7\*: Numerator: Students who answered B or C for Q7  Denominator: Students who answered B, C, D, E, or F for Q7  Summary Text: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)  Variable label: Rarely or never wore a helmet when rollerblading or skateboarding |
| Q8. How often do you wear a seat belt when **riding** in a car?  **A. Never**  **B. Rarely**  C. Sometimes  D. Most of the time  E. Always  Variable label: Seat belt use  QN8: Numerator: Students who answered A, or B for Q8  Denominator: Students who answered A, B, C, D, or E for Q8  Summary Text: Percentage of students who rarely or never wore a seat belt (when riding in a car)  Variable label: Rarely or never wore a seat belt |
| Q9. Have you ever ridden in a car driven by someone who had been drinking alcohol?  **A. Yes**  B. No  C. Not sure  Variable label: Riding with a drinking driver  QN9: Numerator: Students who answered A for Q9  Denominator: Students who answered A, B, or C for Q9  Summary Text: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)  Variable label: Ever rode with a driver who had been drinking alcohol |
| Q10. Have you ever carried **a weapon**, such as a gun, knife, or club?  **A. Yes**  B. No  Variable label: Weapon carrying  QN10: Numerator: Students who answered A for Q10  Denominator: Students who answered A or B for Q10  Summary Text: Percentage of students who ever carried a weapon (such as a gun, knife, or club)  Variable label: Ever carried a weapon |
| Q11. Have you ever been in a physical fight?  **A. Yes**  B. No  Variable label: Physical fighting  QN11: Numerator: Students who answered A for Q11  Denominator: Students who answered A or B for Q11  Summary Text: Percentage of students who were ever in a physical fight  Variable label: Were ever in a physical fight |
| Q12. Have you ever been bullied **on school property**?  **A. Yes**  B. No  Variable label: Bullying at school  QN12: Numerator: Students who answered A for Q12  Denominator: Students who answered A or B for Q12  Summary Text: Percentage of students who were ever bullied on school property  Variable label: Were ever bullied on school property |
| Q13. Have you ever been **electronically** bullied? (Count being bullied through texting, Instagram, Facebook, or other social media.)  **A. Yes**  B. No  Variable label: Electronic bullying  QN13: Numerator: Students who answered A for Q13  Denominator: Students who answered A or B for Q13  Summary Text: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)  Variable label: Were ever electronically bullied |
| Q14. Have you ever **seriously** thought about killing yourself?  **A. Yes**  B. No  Variable label: Suicide consideration  QN14: Numerator: Students who answered A for Q14  Denominator: Students who answered A or B for Q14  Summary Text: Percentage of students who ever seriously thought about killing themselves  Variable label: Ever seriously thought about killing themselves |
| Q15. Have you ever made a **plan** about how you would kill yourself?  **A. Yes**  B. No  Variable label: Suicide plan  QN15: Numerator: Students who answered A for Q15  Denominator: Students who answered A or B for Q15  Summary Text: Percentage of students who ever made a plan about how they would kill themselves  Variable label: Ever made a plan about how they would kill themselves |
| Q16. Have you ever **tried** to kill yourself?  **A. Yes**  B. No  Variable label: Attempted suicide  QN16: Numerator: Students who answered A for Q16  Denominator: Students who answered A or B for Q16  Summary Text: Percentage of students who ever tried to kill themselves  Variable label: Ever tried to kill themselves |
| Q17. Have you ever tried cigarette smoking, even one or two puffs?  **A. Yes**  B. No  Variable label: Ever cigarette use  QN17: Numerator: Students who answered A for Q17  Denominator: Students who answered A or B for Q17  Summary Text: Percentage of students who ever tried cigarette smoking (even one or two puffs)  Variable label: Ever tried cigarette smoking |
| Q18. How old were you when you first tried cigarette smoking, even one or two puffs?  A. I have never tried cigarette smoking, not even one or two puffs  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  Variable label: Initiation of cigarette smoking  Short response:  A. Never tried cigarette smoking  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  QN18: Numerator: Students who answered B, C, or D for Q18  Denominator: Students who answered A, B, C, D, E, F, or G for Q18  Summary Text: Percentage of students who tried cigarette smoking for the first time before age 11 years (even one or two puffs)  Variable label: Tried cigarette smoking for the first time before age 11 years |
| Q19. During the past 30 days, on how many days did you smoke cigarettes?  A. 0 days  **B. 1 or 2 days**  **C. 3 to 5 days**  **D. 6 to 9 days**  **E. 10 to 19 days**  **F. 20 to 29 days**  **G. All 30 days**  Variable label: Current cigarette use  QN19: Numerator: Students who answered B, C, D, E, F, or G for Q19  Denominator: Students who answered A, B, C, D, E, F, or G for Q19  Summary Text: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)  Variable label: Currently smoked cigarettes  Dependence: Required by QNFRCIG, QNDAYCIG, QNTB2, QNTB3, QNTB4, and QNTB5 |
| Q20. During the past 30 days, on the days you smoked, how many cigarettes did you smoke **per day**?  A. I did not smoke cigarettes during the past 30 days  B. Less than 1 cigarette per day  C. 1 cigarette per day  D. 2 to 5 cigarettes per day  E. 6 to 10 cigarettes per day  **F. 11 to 20 cigarettes per day**  **G. More than 20 cigarettes per day**  Variable label: Smoked >10 cigarettes  Short response:  A. Did not smoke cigarettes  B. Less than 1 cigarette  C. 1 cigarette  D. 2 to 5 cigarettes  E. 6 to 10 cigarettes  **F. 11 to 20 cigarettes**  **G. More than 20 cigarettes**  QN20\*: Numerator: Students who answered F or G for Q20  Denominator: Students who answered B, C, D, E, F, or G for Q19 and answered B, C, D, E, F, or G for Q20  Summary Text: 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)  Variable label: Smoked more than 10 cigarettes per day  Dependence: Depends on Q19 |
| Q21. Have you ever used an electronic vapor product?  **A. Yes**  B. No  Variable label: Electronic vapor product use  QN21: Numerator: Students who answered A for Q21  Denominator: Students who answered A or B for Q21  Summary Text: Percentage of students who ever used an electronic vapor product  Variable label: Ever used an electronic vapor product |
| Q22. During the past 30 days, on how many days did you use an electronic vapor product?  A. 0 days  **B. 1 or 2 days**  **C. 3 to 5 days**  **D. 6 to 9 days**  **E. 10 to 19 days**  **F. 20 to 29 days**  **G. All 30 days**  Variable label: Current electronic vapor use  QN22: Numerator: Students who answered B, C, D, E, F, or G for Q22  Denominator: Students who answered A, B, C, D, E, F, or G for Q22  Summary text: Percentage of students who currently used an electronic vapor product (on at least 1 day during the 30 days before the survey)  Variable label: Currently used an electronic vapor product  Dependence: Required by QNFREVP, QNDAYEVP, QNTB4, and QNTB5 |
| Q23. During the past 30 days, how did you **usually** get your own electronic vapor products? (Select only **one** response.)  A. I did not use any electronic vapor products during the past 30 days  **B. I bought them in a store such as a convenience store, supermarket, discount store, gas station, or vape store**  C. I got them on the Internet  D. I gave someone else money to buy them for me  E. I borrowed them from someone else  F. A person who can legally buy these products gave them to me  G. I took them from a store or another person  H. I got them some other way  Variable label: EVP from store  Short response:  A. Did not use EVP  **B. Store or gas station**  C. I got them on the Internet  D. Someone else bought them  E. Borrowed them  F. Legal person gave them to me  G. Took them from a store/family  H. Some other way  QN23\*: Numerator: Students who answered B for Q23  Denominator: Students who answered B, C, D, E, F, or G for Q22 and answered B, C, D, E, F, G, or H for Q23  Summary text: 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)  Variable label: Usually got their own electronic vapor products by buying them in a store  Dependence: Depends on Q22 |
| Q24. During the past 30 days, on how many days did you use **chewing tobacco, snuff, dip**, **snus, or dissolvable tobacco products**, such as Copenhagen, Grizzly, Skoal, or Camel Snus? (Do not count any electronic vapor products.)  A. 0 days  **B. 1 or 2 days**  **C. 3 to 5 days**  **D. 6 to 9 days**  **E. 10 to 19 days**  **F. 20 to 29 days**  **G. All 30 days**  Variable label: Current smokeless tobacco use  QN24: Numerator: Students who answered B, C, D, E, F, or G for Q24  Denominator: Students who answered A, B, C, D, E, F, or G for Q24  Summary text: 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)  Variable label: Currently used smokeless tobacco  Dependence: Required by QNTB3 and QNTB4 |
| Q25. During the past 30 days, on how many days did you smoke **cigars, cigarillos, or little cigars**?  A. 0 days  **B. 1 or 2 days**  **C. 3 to 5 days**  **D. 6 to 9 days**  **E. 10 to 19 days**  **F. 20 to 29 days**  **G. All 30 days**  Variable label: Current cigar use  QN25: Numerator: Students who answered B, C, D, E, F, or G for Q25  Denominator: Students who answered A, B, C, D, E, F, or G for Q25  Summary Text: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)  Variable label: Currently smoked cigars  Dependence: Required by: QNFRCGR, QNDAYCGR, QNTB2, QNTB3, and QNTB4 |
| Q26. Have you ever had a drink of alcohol, other than a few sips?  **A. Yes**  B. No  Variable label: Ever alcohol use  QN26: Numerator: Students who answered A for Q26  Denominator: Students who answered A or B for Q26  Summary Text: Percentage of students who ever drank alcohol (other than a few sips)  Variable label: Ever drank alcohol |
| Q27. How old were you when you had your first drink of alcohol other than a few sips?  A. I have never had a drink of alcohol other than a few sips  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  Variable label: Initiation of alcohol use  Short response:  A. Never drank alcohol  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  QN27: Numerator: Students who answered B, C, or D for Q27  Denominator: Students who answered A, B, C, D, E, F, or G for Q27  Summary Text: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)  Variable label: Drank alcohol for the first time before age 11 years |
| Q28. Have you ever used marijuana?  **A. Yes**  B. No  Variable label: Ever marijuana use  QN28: Numerator: Students who answered A for Q28  Denominator: Students who answered A or B for Q28  Summary Text: Percentage of students who ever used marijuana  Variable label: Ever used marijuana |
| Q29. How old were you when you tried marijuana for the first time?  A. I have never tried marijuana  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  Variable label: Initiation of marijuana use  Short response:  A. Never tried marijuana  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  QN29: Numerator: Students who answered B, C, or D for Q29  Denominator: Students who answered A, B, C, D, E, F, or G for Q29  Summary Text: Percentage of students who tried marijuana for the first time before age 11 years  Variable label: Tried marijuana for the first time before age 11 years |
| Q30. Have you ever taken **prescription pain medicine** without a doctor's prescription or differently than how a doctor told you to use it? (Count drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet.)  **A. Yes**  B. No  Variable label: Ever prescription pain medicine use  QN30: Numerator: Students who answered A for Q30  Denominator: Students who answered A or B for Q30  Summary Text: 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)  Variable label: Ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it |
| Q31. Have you ever used **any** form of cocaine, including powder, crack, or freebase?  **A. Yes**  B. No  Variable label: Ever cocaine use  QN31: Numerator: Students who answered A for Q31  Denominator: Students who answered A or B for Q31  Summary Text: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)  Variable label: Variable label: Ever used cocaine |
| Q32. Have you ever sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high?  **A. Yes**  B. No  Variable label: Ever inhalant use  QN32: Numerator: Students who answered A for Q32  Denominator: Students who answered A or B for Q32  Summary Text: Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high)  Variable label: Ever used inhalants |
| Q33. Have you ever taken **steroid pills or shots** without a doctor's prescription?  **A. Yes**  B. No  Variable label: Ever steroid use  QN33: Numerator: Students who answered A for Q33  Denominator: Students who answered A or B for Q33  Summary Text: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)  Variable label: Ever took steroids without a doctor's prescription |
| Q34. Have you ever had sexual intercourse?  **A. Yes**  B. No  Variable label: Ever sexual intercourse  QN34: Numerator: Students who answered A for Q34  Denominator: Students who answered A or B for Q34  Summary Text: Percentage of students who ever had sexual intercourse  Variable label: Ever had sexual intercourse  Dependence: Required by QN37 |
| Q35. How old were you when you had sexual intercourse for the first time?  A. I have never had sexual intercourse  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  Variable label: Sex before 11 years  Short response:  A. Never had sex  **B. 8 years old or younger**  **C. 9 years old**  **D. 10 years old**  E. 11 years old  F. 12 years old  G. 13 years old or older  QN35: Numerator: Students who answered B, C, or D for Q35  Denominator: Students who answered A, B, C, D, E, F, or G for Q35  Summary Text: Percentage of students who had sexual intercourse for the first time before age 11 years  Variable label: Had sexual intercourse for the first time before age 11 years |
| 36. With how many people have you ever had sexual intercourse?  A. I have never had sexual intercourse  B. 1 person  C. 2 people  **D. 3 people**  **E. 4 people**  **F. 5 people**  **G. 6 or more people**  Variable label: Multiple sex partners  Short response:  A. Never had sex  B. 1 person  C. 2 people  **D. 3 people**  **E. 4 people**  **F. 5 people**  **G. 6 or more people**  QN36: Numerator: Students who answered D, E, F, or G for Q36  Denominator: Students who answered A, B, C, D, E, F, or G for Q36  Summary Text: Percentage of students who ever had sexual intercourse with three or more persons  Variable label: Ever had sexual intercourse with three or more persons |
| 37. The **last time** you had sexual intercourse, did you or your partner use a condom?  A. I have never had sexual intercourse  **B. Yes**  C. No  Variable label: Condom use  Short response:  A. Never had sex  **B. Yes**  C. No  QN37\*: Numerator: Students who answered B for Q37  Denominator: Students who answered A for Q34 and answered B or C for Q37  Summary Text: Percentage of students who used a condom during last sexual intercourse (among students who ever had sexual intercourse)  Variable label: Used a condom during last sexual intercourse  Dependence: Depends on Q34 |
| 38. How do **you** describe your weight?  A. Very underweight  B. Slightly underweight  C. About the right weight  **D. Slightly overweight**  **E. Very overweight**    Variable label: Perception of weight  QN38: Numerator: Students who answered D or E for Q38  Denominator: Students who answered A, B, C, D, or E for Q38  Summary Text: Percentage of students who described themselves as slightly or very overweight  Variable label: Described themselves as slightly or very overweight |
| 39. Which of the following are you trying to do about your weight?  **A. Lose weight**  B. Gain weight  C. Stay the same weight  D. I am not trying to do anything about my weight  Variable label: Weight loss  Short response:  **A. Lose weight**  B. Gain weight  C. Stay the same weight  D. Not trying to do anything  QN39: Numerator: Students who answered A for Q39  Denominator: Students who answered A, B, C, or D for Q39  Summary Text: Percentage of students who were trying to lose weight  Variable label: Were trying to lose weight |
| 40. During the past 7 days, on how many days did you eat **breakfast**?  **A. 0 days**  B. 1 day  C. 2 days  D. 3 days  E. 4 days  F. 5 days  G. 6 days  H. 7 days  Variable label: Breakfast eating  QN40: Numerator: Students who answered A for Q40  Denominator: Students who answered A, B, C, D, E, F, G, or H for Q40  Summary Text: Percentage of students who did not eat breakfast (during the 7 days before the survey)  QN variable label: Did not eat breakfast  Dependence: Required by QNBK7DAY |
| 41. During the past 7 days, on how many days were you physically active for a total of **at least 60 minutes per day**? (Add up all the time you spent in any kind of physical activity that increased your heart rate and made you breathe hard some of the time.)  A. 0 days  B. 1 day  C. 2 days  D. 3 days  E. 4 days  **F. 5 days**  **G. 6 days**  **H. 7 days**  Variable label: Physical activity >= 5 days  QN41: Numerator: Students who answered F, G, or H for Q41  Denominator: Students who answered A, B, C, D, E, F, G, or H for Q41  Summary Text: 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)  Variable label: Were physically active at least 60 minutes per day on 5 or more days  Dependence: Required by QNPA0DAY and QNPA7DAY |
| 42. On an average school day, how many hours do you watch TV? A. I do not watch TV on an average school dayB. Less than 1 hour per day C. 1 hour per day  D. 2 hours per day  **E. 3 hours per day**  **F. 4 hours per day**  **G. 5 or more hours per day**  Variable label: Television watching  Short response:  A. No TV on average school day  B. Less than 1 hour per day  C. 1 hour per day  D. 2 hours per day  **E. 3 hours per day**  **F. 4 hours per day**  **G. 5 or more hours per day**  QN42: Numerator: Students who answered E, F, or G for Q42  Denominator: Students who answered A, B, C, D, E, F, or G for Q42  Summary Text: Percentage of students who watched television 3 or more hours per day (on an average school day)  Variable label: Watched television 3 or more hours per day |
| 43. On an average school day, how many hours do you play video or computer games or use a computer for something that is not school work? (Count time spent playing games, watching videos, texting, or using social media on your smartphone, computer, Xbox, PlayStation, iPad, or other tablet.) A. I do not play video or computer games or use a computer for something that is not school workB. Less than 1 hour per day C. 1 hour per day  D. 2 hours per day  **E. 3 hours per day**  **F. 4 hours per day**  **G. 5 or more hours per day**  Variable label: Computer use  Short response:  A. No playing video/computer game  B. Less than 1 hour per day  C. 1 hour per day  D. 2 hours per day  **E. 3 hours per day**  **F. 4 hours per day**  **G. 5 or more hours per day**  QN43: Numerator: Students who answered E, F, or G for Q43  Denominator: Students who answered A, B, C, D, E, F, or G for Q43  Summary Text: 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 playing games, watching videos, texting, or using social media on their smartphone, computer, Xbox, PlayStation, iPad, or other tablet, for something that was not school work, on an average school day)  Variable label: Played video or computer games or used a computer 3 or more hours per day |
| 44. In an average week when you are in school, on how many days do you go to physical education (PE) classes?  A. 0 days  **B. 1 day**  **C. 2 days**  **D. 3 days**  **E. 4 days**  **F. 5 days**  Variable label: PE attendance  QN44: Numerator: Students who answered B, C, D, E, or F for Q44  Denominator: Students who answered A, B, C, D, E, or F for Q44  Summary Text: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)  QN variable label: Attended physical education (PE) classes on 1 or more days  Dependence: Required by QNDLYPE |
| 45. During the past 12 months, on how many sports teams did you play? (Count any teams run by your school or community groups.)  A. 0 teams  **B. 1 team**  **C. 2 teams**  **D. 3 or more teams**  Variable label: Sports team participation  QN45: Numerator: Students who answered B, C, or D for Q45  Denominator: Students who answered A, B, C, or D for Q45  Summary Text: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey)  Variable label: Played on at least one sports team |
| 46. During the past 12 months, how many times did you have a concussion **from playing a sport or being physically active**?  A. 0 times  **B. 1 time**  **C. 2 times**  **D. 3 times**  **E. 4 or more times**  Variable label: Concussion  QN46: Numerator: Students who answered B, C, D, or E for Q46  Denominator: Students who answered A, B, C, D, or E for Q46  Summary text: 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)  Variable label: Had a concussion from playing a sport or being physically active |
| 47. Has a doctor or nurse ever told you that you have asthma?  **A. Yes**  B. No  C. Not sure  Variable label: Asthma  QN47: Numerator: Students who answered A for Q47  Denominator: Students who answered A, B, or C for Q47  Summary text: Percentage of students who had ever been told by a doctor or nurse that they had asthma  Variable label: Had ever been told by a doctor or nurse that they had asthma |
| 48. On an average school night, how many hours of sleep do you get?  A. 4 or less hours  B. 5 hours  C. 6 hours  D. 7 hours  **E. 8 hours**  **F. 9 hours**  **G. 10 or more hours**  Variable label: Sleep  QN48: Numerator: Students who answered E, F, of G for Q48  Denominator: Students who answered A, B, C, D, E, F or G for Q48  Summary text: Percentage of students who got 8 or more hours of sleep (on an average school night)  Variable label: Got 8 or more hours of sleep |
| 49. During the past 12 months, how would you describe your grades in school?  **A. Mostly A's**  **B. Mostly B's**  C. Mostly C's  D. Mostly D's  E. Mostly F's  F. None of these grades  G. Not sure  Variable label: Grades in school  QN49: Numerator: Students who answered A or B for Q49  Denominator: Students who answered A, B, C, D, E, F, or G for Q49  Summary text: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)  Variable label: Described their grades in school as mostly A's or B's |

# Appendix C: 2019 Supplemental Variable Specifications

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| Appendix C | Appendix C contains the specifications for 2019 supplemental dichotomous variables. Supplemental variables are calculated based on data from one or sometimes more than one question. |

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| **QNFRCIG**:  Numerator: Students who answered F or G for Q19  Denominator: Students who answered A, B, C, D, E, F, or G for Q19  Summary text: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)  Variable label: Currently smoked cigarettes frequently  Dependence: Depends on Q19  SAS code: if q19 in (‘6’,’7’) then QNFRCIG=1;  else if q19 in (‘1’,’2’,’3’,’4’,’5’) then QNFRCIG=2; |
| **QNDAYCIG:**  Numerator: Students who answered G for Q19  Denominator: Students who answered A, B,C, D, E, F, or G for Q19  Summary text: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)  Variable label: Currently smoked cigarettes daily  Dependence: Depends on Q19  SAS code: if q19=’7’ then QNDAYCIG=1;  else if q19 in (‘1’,’2’,’3’,’4’,’5’,’6’) then QNDAYCIG=2; |
| **QNFREVP**:  Numerator: Students who answered F or G for Q22  Denominator: Students who answered A, B, C, D, E, F, or G for Q22  Summary text: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)  Variable label: Currently smoked electronic vapor products frequently  Dependence: Depends on Q22  SAS code: if q22 in (‘6’,’7’) then QNFREVP=1;  else if q22 in (‘1’,’2’,’3’,’4’,’5’) then QNFREVP=2; |
| **QNDAYEVP:**  Numerator: Students who answered G for Q22  Denominator: Students who answered A, B, C, D, E, F, or G for Q22  Summary text: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)  Variable label: Currently used electronic vapor products daily  Dependence: Depends on Q22  SAS code: if q22=’7’ then QNDAYEVP =1;  else if q22 in (‘1’,’2’,’3’,’4’,’5’,’6’) then QNDAYEVP=2; |
| **QNFRCGR**:  Numerator: Students who answered F or G for Q25  Denominator: Students who answered A, B, C, D, E, F, or G for Q25  Summary text: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)  Variable label: Currently smoked cigars frequently  Dependence: Depends on Q25  SAS code: if q25 in (‘6’,’7’) then QNFRCGR=1;  else if q25 in (‘1’,’2’,’3’,’4’,’5’) then QNFRCGR=2; |
| **QNDAYCGR:**  Numerator: Students who answered G for Q25  Denominator: Students who answered A, B, C, D, E, F, or G for Q25  Summary text: Percentage of students currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)  Variable label: Currently smoked cigars daily  Dependence: Depends on Q25  SAS code: if q25=’7’ then QNDAYCGR =1;  else if q25 in (‘1’,’2’,’3’,’4’,’5’,’6’) then QNDAYCGR=2; |
| **QNTB2:**  Numerator: Students who answered B, C, D, E, F, or G for Q19 or Q25  Denominator: Students who answered B, C, D, E, F, or G for Q19 or Q25 or answered A for Q19 and Q25  Summary text: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)  Variable label: Currently smoked cigarettes or cigars  Dependence: Depends on Q19 and Q25  SAS code: if q19 in (‘2’,’3’,’4’,’5’,’6’,’7’) or Q25 in (‘2’,’3’,’4’,’5’,’6’,’7’) then QNTB2=1;  else if q19=‘1’ and q25=‘1’ then QNTB2=2; |
| **QNTB3:**  Numerator: Students who answered B, C, D, E, F, or G for Q19, Q24, or Q25  Denominator: Students who answered B, C, D, E, F, or G for Q19, Q24, or Q25 or answered A for Q19, Q24, and Q25  Summary text: 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)  Variable label: Currently smoked cigarettes or cigars or used smokeless tobacco  Dependence: Depends on Q19, Q24, and Q25  SAS code: if q19 in (‘2’,’3’,’4’,’5’,’6’,’7’) or  q24 in (‘2’,’3’,’4’,’5’,’6’,’7’) or  q25 in (‘2’,’3’,’4’,’5’,’6’,’7’) then QNTB3=1;  else if q19=‘1’ and q24=‘1’ and q25=‘1’ then QNTB3=2; |
| **QNTB4:**  Numerator: Students who answered B, C, D, E, F, or G for Q19, Q22, Q24, or Q25  Denominator: Students who answered B, C, D, E, F, or G for Q19, Q22, Q24, or Q25 or answered A for Q19, Q22, Q24, and Q25  Summary text: 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)  Variable label: Currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products  Dependence: Depends on Q19, Q22, Q24, and Q25  SAS code: if q19 in (‘2’,’3’,’4’,’5’,’6’,’7’) or  q22 in (‘2’,’3’,’4’,’5’,’6’,’7’) or  q24 in (‘2’,’3’,’4’,’5’,’6’,’7’) or  q25 in (‘2’,’3’,’4’,’5’,’6’,’7’) then QNTB4=1;  else if q19=‘1’ and q22=‘1’ and q24=‘1’ and q25=‘1’ then QNTB4=2; |
| **QNTB5:**  Numerator: Students who answered B, C, D, E, F, or G for Q19 or Q22  Denominator: Students who answered B, C, D, E, F, or G for Q19 or Q22 or answered A for Q19 and Q22  Summary text: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)  Variable label: Currently smoked cigarettes or used electronic vapor products  Dependence: Depends on Q19 and Q22  SAS code: if q19 in ('2', '3', '4', '5', '6', '7') or q22 in ('2', '3', '4', '5', '6', '7') then QNTB5=1;  else if q19='1' and q22='1' then QNTB5=2; |
| **QNBK7DAY:**  Numerator: Students who answered H for Q40  Denominator: Students who answered A, B, C, D, E, F, G or H for Q40  Summary text: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)  Variable label: Ate breakfast on all 7 days  Dependence: Depends on Q40  SAS code: if q40 in ('8') then QNBK7DAY=1;  else if q40 in ('1','2','3','4','5','6','7') then QNBK7DAY=2; |
| **QNPA0DAY:**  Numerator: Students who answered A for Q41  Denominator: Students who answered A, B, C, D, E, F, G, or H for Q41  Summary text: 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)  Variable label: Did not participate in at least 60 minutes of physical activity on at least 1 day  Dependence: Depends on Q41  SAS code: if q41=’1’ then QNPA0DAY=1;  else if q41 in (‘2’,’3’,’4’,’5’,’6’,’7’,’8’) then QNPA0DAY=2; |
| **QNPA7DAY:**  Numerator: Students who answered H for Q41  Denominator: Students who answered A, B, C, D, E, F, G, or H for Q41  Summary text: 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)  Variable label: Were physically active at least 60 minutes per day on all 7 days  Dependence: Depends on Q41  SAS code: if q41=’8’ then QNPA7DAY=1;  else if q41 in (‘1’,‘2’,’3’,’4’,’5’,’6’,’7’) then QNPA7DAY=2; |
| **QNDLYPE**:  Numerator: Students who answered F for Q44  Denominator: Students who answered A, B, C, D, E, or F for Q44  Summary text: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)  Variable label: Attended physical education (PE) classes on all 5 days  Dependence: Depends on Q44  SAS code: if Q44=’6’ then QNDLYPE=1;  else if Q44 in (‘1’,’2’,’3’,’4’,’5’) then QNDLYPE=2; |

# Appendix D: Selected Additional Risk Behavior Variable Specifications

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| Appendix D | Appendix D contains the specifications for selected additional risk behavior variables in original and dichotomized formats. These variables come from questions that are not on the 2019 standard MS YRBS questionnaire but they are considered to be of broad interest and so are included in the Combined Datasets. |

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| **qdrivemarijuana:**  During the past 30 days, how many times did you drive a car or other vehicle when you had been using marijuana (also called grass, pot, or weed)?  A. I did not drive a car or other vehicle during the past 30 days  B. 0 times  **C. 1 time**  **D. 2 or 3 times**  **E. 4 or 5 times**  **F. 6 or more times**  Variable label: Drive when using marijuana  Short response:  A. Did not drive  B. 0 times  **C. 1 time**  **D. 2 or 3 times**  **E. 4 or 5 times**  **F. 6 or more times**  **qndrivemarijuana\*:**  Numerator: Students who answered C, D, E, or F  Denominator: Students who answered B, C, D, E, or F  Summary text: Percentage of students who drove a car or other vehicle when they had been using marijuana (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)  Variable label: Drove a car or other vehicle when they had been using marijuana |
| **qcelldriving:**  During the past 30 days, on how many days did you talk on a cell phone while driving a car or other vehicle?  A. I did not drive a car or other vehicle during the past 30 days  B. 0 days  **C. 1 or 2 days**  **D. 3 to 5 days**  **E. 6 to 9 days**  **F. 10 to 19 days**  **G. 20 to 29 days**  **H. All 30 days**  Variable label: Cell phone use while driving  Short response:  A. Did not drive  B. 0 days  **C. 1 or 2 days**  **D. 3 to 5 days**  **E. 6 to 9 days**  **F. 10 to 19 days**  **G. 20 to 29 days**  **H. All 30 days**  **qncelldriving\*:**  Numerator: Students who answered C, D, E, F, G, or H  Denominator: Students who answered B, C, D, E, F, G, or H  Summary text: Percentage of students who talked on a cell phone while driving (on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle)  Variable label: Talked on cell phone while driving |
| **qbullyweight:**  During the past 12 months, have you ever been the victim of teasing or name calling because of your weight, size, or physical appearance?  **A. Yes**  B. No  Variable label: Victim of teasing b/c of physical appearance  **qnbullyweight:**  Numerator: Students who answered A  Denominator: Students who answered A or B  Summary text: Percentage of students who have been the victim of teasing or name calling because of their weight, size, or physical appearance (during the 12 months before the survey)  Variable label: Have been the victim of teasing or name calling because of their weight, size, or physical appearance |
| **qbullygay:**  During the past 12 months, have you ever been the victim of teasing or name calling because someone thought you were gay, lesbian, or bisexual?  **A. Yes**  B. No  Variable label: Ever been teased b/c labeled GLB  **qnbullygay:**  Numerator: Students who answered A  Denominator: Students who answered A or B  Summary text: 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)  Variable label: Have been the victim of teasing or name calling because someone thought they were gay, lesbian, or bisexual |
| **qcigschool:**  During the past 30 days, on how many days did you smoke cigarettes on school property?  A. 0 days  **B. 1 or 2 days**  **C. 3 to 5 days**  **D. 6 to 9 days**  **E. 10 to 19 days**  **F. 20 to 29 days**  **G. All 30 days**  Variable label: Currently smoke at school >=1 days  **qncigschool:**  Numerator: Students who answered B, C, D, E, F, or G  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)  Variable label: Smoked cigarettes on school property |
| **qchewtobschool:**  During the past 30 days, on how many days did you use chewing tobacco, snuff, or dip on school property?  A. 0 days  **B. 1 or 2 days**  **C. 3 to 5 days**  **D. 6 to 9 days**  **E. 10 to 19 days**  **F. 20 to 29 days**  **G. All 30 days**  Variable label: Current snuff @ school  **qnchewtobschool:**  Numerator: Students who answered B, C, D, E, F, or G  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who used chewing tobacco, snuff, or dip (on school property on one or more of the past 30 days)  Variable label: Used chewing tobacco, snuff, or dip on school property |
| **qalcoholschool:**  During the past 30 days, on how many days did you have at least one drink of alcohol on school property?  A. 0 days  **B. 1 or 2 days**  **C. 3 to 5 days**  **D. 6 to 9 days**  **E. 10 to 19 days**  **F. 20 to 29 days**  **G. All 30 days**  Variable label: Current drink at school  **qnalcoholschool:**  Numerator: Students who answered B, C, D, E, F, or G  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who currently had at least one drink of alcohol on school property (on at least 1 day during the 30 days before the survey)  Variable label: currently had at least one drink of alcohol on school property |
| **qhowmarijuana:**  During the past 30 days, how did you usually use marijuana?  A. I did not use marijuana during the past 30 days  **B. I smoked it in a joint, bong, pipe, or blunt**  C. I ate it in food such as brownies, cakes, cookies, or candy  D. I drank it in tea, cola, alcohol, or other drinks  E. I vaporized it  F. I used it some other way  Variable label: Usual use of marijuana  Short response:  A. Did not use marijuana  **B. Smoked it**  C. Ate in food  D. Drank in tea or other drink  E. Vaporized  F. Some other way  **qnhowmarijuana\*;**  Numerator: Students who answered B  Denominator: Students who answered B, C, D, E, or F  Summary text: Percentage of students who usually used marijuana by smoking it in a joint, bong, pipe, or blunt (during the 30 days before the survey, among students who used marijuana)  Variable label: Usually used marijuana by smoking it in a joint, bong, pipe, or blunt |
| **qmarijuanaschool:**  During the past 30 days, how many times did you use marijuana on school property?  A. 0 times  **B. 1 or 2 times**  **C. 3 to 9 times**  **D. 10 to 19 times**  **E. 20 to 39 times**  **F. 40 or more times**  Variable label: Marijuana use at school  **qnmarijuanaschool:**  Numerator: Students who answered B, C, D, E, or F  Denominator: Students who answered A, B, C, D, E, or F  Summary text: Percentage of students who used marijuana on school property (one or more times during the 30 days before the survey)  Variable label: Used marijuana on school property |
| **qcurrentcocaine:**  During the past 30 days, how many times did you use any form of cocaine, including powder, crack, or freebase?  A. 0 times  **B. 1 or 2 times**  **C. 3 to 9 times**  **D. 10 to 19 times**  **E. 20 to 39 times**  **F. 40 or more times**  Variable label: Current cocaine use  **qncurrentcocaine:**  Numerator: Students who answered B, C, D, E, or F  Denominator: Students who answered A, B, C, D, E, or F  Summary text: Percentage of students who currently used any form of cocaine (including powder, crack, or freebase, one or more times during the 30 days before the survey)  Variable label: Currently used any form of cocaine |
| **qhallucdrug:**  During your life, how many times have you used hallucinogenic drugs, such as LSD, acid, PCP, angel dust, mescaline, or mushrooms?  A. 0 times  **B. 1 or 2 times**  **C. 3 to 9 times**  **D. 10 to 19 times**  **E. 20 to 39 times**  **F. 40 or more times**  Variable label: Ever used hallucinogenic drugs  **qnhallucdrug:**  Numerator: Students who answered B, C, D, E, or F  Denominator: Students who answered A, B, C, D, E, or F  Summary text: Percentage of students who ever used hallucinogenic drugs (such as LSD, acid, PCP, angel dust, mescaline, or mushrooms, one or more times during their life)  Variable label: Ever used hallucinogenic drugs |
| **qprescription30d:**  During the past 30 days, how many times did you take a prescription drug (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax) without a doctor's prescription?  A. 0 times  **B. 1 or 2 times**  **C. 3 to 9 times**  **D. 10 to 19 times**  **E. 20 to 39 times**  **F. 40 or more times**  Variable label: Times take drug w/o prescription 30d  **qnprescription30d:**  Numerator: Students who answered B, C, D, E, or F  Denominator: Students who answered A, B, C, D, E, or F  Summary text: Percentage of students who currently took a prescription drug without a doctor's prescription (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax, one or more times during the 30 days before the survey)  Variable label: Currently took a prescription drug without a doctor's prescription |
| **qgenderexp:**  A person's appearance, style, dress, or the way they walk or talk may affect how people describe them. How do you think other people at school would describe you?  A. Very feminine  B. Mostly feminine  C. Somewhat feminine  **D. Equally feminine and masculine**  E. Somewhat masculine  F. Mostly masculine  G. Very masculine  Variable label: Others description of your masc/fem  **qngenderexp:**  Numerator: Students who answered D  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who think other people at school would describe them as equally feminine and masculine  Variable label: think other people at school would describe them as equally feminine and masculine |
| **qtaughtHIV:**  Have you ever been taught about AIDS or HIV infection in school?  **A. Yes**  B. No  C. Not sure  Variable label: Ever taught about AIDS/HIV at school  **qntaughtHIV:**  Numerator: Students who answered A  Denominator: Students who answered A, B, or C  Summary text: Percentage of students who have been taught about AIDS or HIV infection in school  Variable label: Have been taught about AIDS or HIV infection in school |
| **qtaughtsexed:**  Have you ever had sex education in school?  **A. Yes**  B. No  C. Not sure  Variable label: Ever had sex education in school  **qntaughtsexed:**  Numerator: Students who answered A  Denominator: Students who answered A, B, or C  Summary text: Percentage of students who have had sex education in school  Variable label: Have had sex education in school |
| **qtaughtstd:**  Have you ever been taught in school about sexually transmitted diseases (STDs)?  **A. Yes**  B. No  C. Not sure  Variable label: Ever been taught in school about STDs  **qntaughtstd:**  Numerator: Students who answered A  Denominator: Students who answered A, B, or C  Summary text: Percentage of students who have been taught in school about sexually transmitted diseases (STDs)  Variable label: Have been taught in school about sexually transmitted diseases (STDs) |
| **qtaughtbc:**  Have you ever been taught in school about birth control methods?  **A. Yes**  B. No  C. Not sure  Variable label: Ever been taught about BC methods in sch  **qntaughtbc:**  Numerator: Students who answered A  Denominator: Students who answered A, B, or C  Summary text: Percentage of students who have been taught in school about birth control methods  Variable label: Have been taught in school about birth control methods |
| **qdietpop:**  During the past 7 days, how many times did you drink a can, bottle, or glass of diet soda or pop, such as Diet Coke, Diet Pepsi, or Sprite Zero?  A. I did not drink diet soda or pop during the past 7 days  B. 1 to 3 times during the past 7 days  C. 4 to 6 times during the past 7 days  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  Variable label: Diet soda drinking >=1 time/day  Short response:  A. Did not drink diet soda or pop  B. 1 to 3 times  C. 4 to 6 times  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  **qndietpop:**  Numerator: Students who answered D, E, F, or G  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students drank a can, bottle, or glass of diet soda or pop (such as Diet Coke, Diet Pepsi, or Sprite Zero one or more times per day, during the 7 days before the survey)  Variable label: Drank a can, bottle, or glass of diet soda or pop |
| **qcoffeetea:**  During the past 7 days, how many times did you drink a cup, can, or bottle of coffee, coffee drinks, or any kind of tea?  A. I did not drink coffee, coffee drinks, or tea during the past 7 days  B. 1 to 3 times during the past 7 days  C. 4 to 6 times during the past 7 days  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  Variable label: Coffee/tea drinking >=1 time/day  Short response:  A. Did not drink coffee or tea  B. 1 to 3 times  C. 4 to 6 times  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  **qncoffeetea:**  Numerator: Students who answered D, E, F, or G  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who drank a cup, can, or bottle of coffee, coffee drinks, or any kind of tea (one or more times per day, during the 7 days before the survey)  Variable label: Drank a cup, can, or bottle of coffee, coffee drinks, or any kind of tea |
| **qsportsdrink:**  During the past 7 days, how many times did you drink a can, bottle, or glass of a sports drink such as Gatorade or PowerAde? (Do not count low-calorie sports drinks such as Propel or G2.)  A. **I did not drink sports drinks during the past 7 days**  B. 1 to 3 times during the past 7 days  C. 4 to 6 times during the past 7 days  D. 1 time per day  E. 2 times per day  F. 3 times per day  G. 4 or more times per day  Variable label: Sports drinks  Short response:  A. **Did not drink sports drinks**  B. 1 to 3 times  C. 4 to 6 times  D. 1 time per day  E. 2 times per day  F. 3 times per day  G. 4 or more times per day  **qnsportsdrink:**  Numerator: Students who answered A  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who did not drink a can, bottle, or glass of a sports drink (such as Gatorade or PowerAde, not including low-calorie sports drinks such as Propel or G2, during the 7 days before the survey)  Variable label: Did not drink a can, bottle, or glass of a sports drink |
| **qenergydrink:**  During the past 7 days, how many times did you drink a can, bottle, or glass of an energy drink, such as Red Bull or Jolt? (Do not count diet energy drinks or sports drinks such as Gatorade or PowerAde.)  A. I did not drink energy drinks during the past 7 days  B. 1 to 3 times during the past 7 days  C. 4 to 6 times during the past 7 days  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  Variable label: Energy drink >=1 time/day  Short response:  A. Did not drink energy drinks  B. 1 to 3 times  C. 4 to 6 times  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  **qnenergydrink:**  Numerator: Students who answered D, E, F, or G  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: 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)  Variable label: Drank a can, bottle, or glass of an energy drink |
| **qsugardrink:**  During the past 7 days, how many times did you drink a can, bottle, or glass of a sugar-sweetened beverage such as lemonade, sweetened tea or coffee drinks, flavored milk, Snapple, or Sunny Delight? (Do not count soda or pop, sports drinks, energy drinks, or 100% fruit juice.)  A. I did not drink sugar-sweetened beverages during the past 7 days  B. 1 to 3 times during the past 7 days  C. 4 to 6 times during the past 7 days  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  Variable label: Sugar-sweetened beverage >=1 time/day  Short response:  A. Did not drink sugar drinks  B. 1 to 3 times  C. 4 to 6 times  **D. 1 time per day**  **E. 2 times per day**  **F. 3 times per day**  **G. 4 or more times per day**  **qnsugardrink:**  Numerator: Students who answered D, E, F, or G  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who drank a can, bottle, or glass of a sugar-sweetened beverage (such as lemonade, sweetened tea or coffee drinks, flavored milk, Snapple, or Sunny Delight, not counting soda or pop, sports drinks, energy drinks, or 100% fruit juice, one or more times per day during the 7 days before the survey)  Variable label: Drank a can, bottle, or glass of a sugar-sweetened beverage |
| **qwater:**  During the past 7 days, how many times did you drink a bottle or glass of plain water? (Count tap, bottled, and unflavored sparkling water.)  A. **I did not drink water during the past 7 days**  B. 1 to 3 times during the past 7 days  C. 4 to 6 times during the past 7 days  D. 1 time per day  E. 2 times per day  F. 3 times per day  G. 4 or more times per day  Variable label: Plain water  Short response:  A. **Did not drink water**  B. 1 to 3 times  C. 4 to 6 times  D. 1 time per day  E. 2 times per day  F. 3 times per day  G. 4 or more times per day  **qnwater:**  Numerator: Students who answered A  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who did not drink a bottle or glass of plain water (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey)  Variable label: Did not drink a bottle or glass of plain water |
| **qfastfood:**  During the past 7 days, on how many days did you eat at least one meal or snack from a fast food restaurant such as McDonald's, Taco Bell, or KFC?  A. 0 days  B. 1 day  C. 2 days  **D. 3 days**  **E. 4 days**  **F. 5 days**  **G. 6 days**  **H. 7 days**  Variable label: Meal/snack fast food >= 3 days  **qnfastfood:**  Numerator: Students who answered D, E, F, G, or H  Denominator: Students who answered A, B, C, D, E, F, G, or H  Summary text: Percentage of students who ate at least one meal or snack from a fast food restaurant (such as McDonald's, Taco Bell, or KFC, on three or more days during the 7 days before the survey)  Variable label: Ate at least one meal or snack from a fast food restaurant |
| **qwenthungry:**  During the past 30 days, how often did you go hungry because there was not enough food in your home?  A. Never  B. Rarely  C. Sometimes  **D. Most of the time**  **E. Always**  Variable label: How often went hungry  **qnwenthungry:**  Numerator: Students who answered D or E  Denominator: Students who answered A, B, C, D, or E  Summary text: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)  Variable label: Most of the time or always went hungry because there was not enough food in their home |
| **qmusclestrength:**  During the past 7 days, on how many days did you do exercises to **strengthen or tone your muscles**, such as push-ups, sit-ups, or weight lifting?  A. 0 days  B. 1 day  C. 2 days  **D. 3 days**  **E. 4 days**  **F. 5 days**  **G. 6 days**  **H. 7 days**  Variable label: Muscle strengthening  **qnmusclestrength:**  Numerator: Students who answered D, E ,F , G, or H  Denominator: Students who answered A, B, C, D, E, F, G, or H  Summary text: Percentage of students who did exercises to strengthen or tone their muscles on three or more days (such as push-ups, sit-ups, or weight lifting, during the 7 days before the survey)  Variable label: Did exercises to strengthen or tone their muscles on three or more days |
| **qsunscreenuse:**  When you are outside for more than one hour on a sunny day, how often do you wear sunscreen with an SPF of 15 or higher?  A. Never  B. Rarely  C. Sometimes  **D. Most of the time**  **E. Always**  Variable label: Sunscreen use outside  **qnsunscreenuse:**  Numerator: Students who answered D or E  Denominator: Students who answered A, B, C, D, or E  Summary text: Percentage of students who most of the time or always wear sunscreen (with an SPF of 15 or higher when they are outside for more than one hour on a sunny day)  Variable label: Most of the time or always wear sunscreen |
| **qindoortanning:**  During the past 12 months, how many times did you use an indoor tanning device such as a sunlamp, sunbed, or tanning booth? (Do not count getting a spray-on tan.)  A. 0 times  **B. 1 or 2 times**  **C. 3 to 9 times**  **D. 10 to 19 times**  **E. 20 to 39 times**  **F. 40 or more times**  Variable label: Indoor tanning  **qnindoortanning:**  Numerator: Students who answered B, C, D, E, or F  Denominator: Students who answered A, B, C, D, E, or F  Summary text: Percentage of students who used an indoor tanning device (such as a sunlamp, sunbed, or tanning booth [not including getting a spray-on tan], one or more times during the 12 months before the survey)  Variable label: Used an indoor tanning device |
| **qcurrentasthma:**  Do you still have asthma?  A. I have never had asthma  **B. Yes**  C. No  D. Not sure  Variable label: Current asthma  **qncurrentasthma\*:**  Numerator: Students who answered B  Denominator: Students who answered A to Q47 and answered A, B, C, or D  Summary text: Percentage of students who had been told by a doctor or nurse that they had asthma and who still have asthma  Variable label: Had been told by a doctor or nurse that they had asthma and who still have asthma  Dependence: Depends on Q47 |
| **qwheresleep:**  During the past 30 days, where did you usually sleep?  A. In my parent's or guardian's home  **B. In the home of a friend, family member, or other person because I had to leave my home or my parent or guardian cannot afford housing**  **C. In a shelter or emergency housing**  **D. In a motel or hotel**  **E. In a car, park, campground, or other public place**  **F. I do not have a usual place to sleep**  G. Somewhere else  Variable label: Homelessness  Short response:  A. Parent's or guardian's home  **B. Home of friend/family/other**  **C. Shelter or emergency housing**  **D. Motel or hotel**  **E. Car, park, campground**  **F. No usual place to sleep**  G. Somewhere else  **qnwheresleep:**  Numerator: Students who answered B, C, D, E, or F  Denominator: Students who answered A, B, C, D, E, F, or G  Summary text: Percentage of students who did not usually sleep in their parent's or guardian's home (during the 30 days before the survey)  Variable label: did not usually sleep in their parent's or guardian's home |
| **qhivtesting:**  Have you ever been tested for HIV, the virus that causes AIDS?  A. **Yes**  **B**. No  C. Not sure  Variable label: HIV testing  **qnhivtesting:**  Numerator: Students who answered A  Denominator: Students who answered A, B, or C  Summary text: Percentage of students who have been tested for HIV (the virus that causes AIDS)  Variable label: Have been tested for HIV |
| **qsexid:**  Which of the following best describes you?  A. Heterosexual (straight)  B. Gay or lesbian  C. Bisexual  D. Not sure  Variable label: Sexual identity |
| **qsamesex:**  During your life, with whom have you had sexual contact?  A. I have never had sexual contact  B. Females  C. Males  D. Females and males  Variable label: Sex of sexual contact |
| **qoralsex:**  Have you ever had oral sex?  **A. Yes**  B. No  Variable label: Ever had oral sex  **qnoralsex**:  Numerator: Students who answered A  Denominator: Students who answered A or B  Summary text: Percentage of students who have had oral sex  Variable label: Have had oral sex |
| **qsynthmarijuana:**  During your life, how many times have you used **synthetic marijuana** (also called K2 or Spice)?  A. 0 times  **B. 1 or 2 times**  **C. 3 to 9 times**  **D. 10 to 19 times**  **E. 20 to 39 times**  **F. 40 to 99 times**  **G. 100 or more times**  Variable label: Lifetime synthetic marijuana use  **qnsynthmarijuana:**  Numerator: Students who answered B, C, D, E, or F  Denominator: Students who answered A, B, C, D, E, or F  Summary text: Percentage of students who ever used synthetic marijuana (also called K2 or Spice, one or more times during their life)  Variable label: Ever used synthetic marijuana |