Youth Risk Behavior Surveillance System (YRBSS)



2021 MS YRBS State and District Combined Datasets User's Guide

August 2023

Where can I get more information? Visit www.cdc.gov/yrbss or call 800-CDC-INFO (800-232-4636).



TABLE OF CONTENTS

Introduction	1
Purpose Contents Background Data File Structure Other Resources	1 1 2
Surveys Included in the Combined Datasets	
Data Inclusion Criteria	
Variables Included in the Combined Datasets	5
Categories of Variables Included Sample Variables Demographic Variables 2021 Questionnaire Variables 2021 Supplemental Variables	5 6
Analytic Considerations	10
Introduction Software Requirements Minimum Cell Size Combining State and District Datasets	10 10
Appendix A: Record Counts by Survey and Year	11
Appendix B: 2021 Questionnaire Variable Specifications	15
Appendix C: 2021 Supplemental Variable Specifications	28

Where can I get more information? Visit www.cdc.gov/yrbss or call 800-CDC-INFO (800-232-4636).



Introduction

Purpose

The MS YRBS Combined Datasets contain data from middle school YRBS surveys conducted from 1995-2021 in multiple states and districts from 1995 - 2021. 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.

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: 2021 Questionnaire Variable Specifications
- Appendix C: 2021 Supplemental 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.

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 2021.

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 for more information about surveys conducted and data availability.
- The MS Combined Datasets are based on the 2021 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 2021 middle school questionnaire did.
- Many state and district middle school surveys do not include all of the 2021 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.

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 for details about file names, downloading the data, and how to use the SAS and SPSS programs.

Other Resources

Readers unfamiliar with YRBS data should review:

- the latest data documentation,
- YRBS Questionnaire Content,
- Methodology of the Youth Risk Behavior Surveillance System—2013,
- Software for Analysis of YRBS Data,
- Interpretation of YRBS Trend Data,
- Conducting Trend Analyses of YRBS Data,
- Combining YRBS Data Across Years and Sites
- How to Analyze YRBS Sexual Minority Data, and
- the <u>Frequently Asked Questions</u> 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

Data Inclusion Criteria

State and district surveys are included in the Combined Datasets if:

- they were conducted between 1995 and 2021,
- 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 for more information about middle school surveys conducted and data availability.

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 2021 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

Categories of Variables Included

Seven kinds of variables are included in the MS Combined Datasets:

- Sample variables
- Demographic variables
- 2021 questionnaire variables, and
- 2021 supplemental 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 2021 data and data from previous years that map to 2021 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 2021 MS questionnaire did.

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 <u>Software for Analysis of YRBS Data</u> for details on using weight, stratum, and PSU correctly.

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 <u>YRBS Questionnaire Content</u> for information about specific questions asked in a given year.

Refer to the <u>2021 YRBS Data User's Guide</u> for details on how race/ethnicity variables are edited and calculated.

2021 Questionnaire Variables

2021 questionnaire variables in original and dichotomized versions.

Variable	Description
q6-q46	Original data from questions 6 through 46 on the 2021 YRBS standard questionnaire. They are named with a "q" followed by the question number.
qn6-qn46	Dichotomized versions of questions 6 through 46. 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 <u>2021 YRBS Data User's Guide</u> for more explanation of dichotomous variables.

2021 Supplemental Variables

Supplemental variables calculated from the 2021 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
qnfrskl	Currently used smokeless tobacco frequently
qndayskl	Currently used smokeless tobacco 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 C for detailed specifications about what each supplemental variable represents and how it is calculated.

Refer to the <u>2021 YRBS Data User's Guide</u> for more explanation of supplemental variables.

Analytic Considerations

Introduction

Important analytic considerations include

- Software requirements
- Minimum cell size
- Combining state and district datasets

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 <u>Software for Analysis of YRBS Data</u> for more information on five statistical packages (SUDAAN, SAS, STATA, SPSS, and Epi Info) that can be used to analyze the YRBS.

Minimum Cell Size

In 2021, CDC analyses of YRBS data change to use 30 as the minimum cell denominator along with non-response bias analysis.

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.

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 <u>Combining YRBS Data Across Years and Sites</u> for more information about combining YRBS datasets.

Appendix A: Record Counts by Survey and Year

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		Year of Survey														
(Sitecode)	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	Total	
Alabama (AL)	0	0	2,157	1,407	1,179	0	0	1,027	0	0	0	0	0	0	5,770	
Colorado (CO)	0	0	0	0	0	0	0	0	1,614	1,572	0	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	657	21,907	
Florida (FL)	0	0	0	0	0	0	0	0	0	6,738	5,886	6,026	5,177	4,961	28,788	
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	5,458	49,876	
Kentucky (KY)	0	0	0	0	0	0	0	1,800	2,027	1,702	1,640	1,404	1,663	1,367	11,603	
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	3,169	41,485	
Maryland (MD)	0	0	0	0	0	0	0	0	0	26,967	27,104	23,568	27,299	21,128	126,066	
Mississippi (MS)	0	0	0	1,580	1,510	0	0	1,522	1,557	0	0	0	0	0	6,169	
Nebraska (NE)	1,363	0	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	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	3,326	32,371	
North Carolina (NC)	2,227	0	0	2,197	0	0	3,256	0	1,937	1,410	0	2,524	2,751	1,098	17,400	
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	2,207	24,425	
Pennsylvania (PA)	0	0	0	0	0	0	0	0	0	0	0	0	2,497	0	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	2,066	19,250	

August 2023 http://www.cdc.gov/yrbss Page 11

	Number of Records by State and Year of Survey														
Survey Site Name		Year of Survey													
(Sitecode)	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	Total
South Carolina (SC)	0	0	0	0	0	1,383	1,394	1,325	1,475	1,540	0	0	0	0	7,117
Tennessee (TN)	0	0	0	0	0	0	0	0	0	5,589	0	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	12,136	60,053
Virginia (VA)	0	0	0	0	0	0	0	0	0	8,211	2,246	2,574	2,525	1,505	17,061
West Virginia (WV)	0	0	0	1,509	0	0	1,605	1,947	2,092	2,130	1,854	2,089	1,658	577	15,461
Wyoming (WY)	0	0	0	2,740	1,945	2,906	2,886	3,015	2,279	2,702	0	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	59,655	521,694

					Number	of Records	by District	and Year	of Survey						
Survey Site Name							Ţ	Year of Sui	vey						
(Sitecode)	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	Total
Albuquerque, NM (AB)	0	0	0	0	0	0	0	0	0	0	0	0	6,826	5,498	12,324
Broward County, FL (FT)	0	0	0	0	0	0	0	0	0	1,496	1,511	1,446	1,428	963	6,844
Charlotte- Mecklenburg County, NC (CM)	0	0	0	0	0	0	1,632	2,791	1,591	1,606	0	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	1,592	8,975
Dallas, TX (DA)	0	0	1,258	1,555	1,664	1,367	1,121	0	1,134	0	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	3,481	29,658
Gaston County, NC (GS)	0	0	0	0	0	0	0	0	0	0	0	0	1,456	1,203	2,659
Houston, TX (HO)	1,817	1,608	1,400	0	0	0	0	0	2,424	2,132	2,389	2,136	2,225	1,535	17,666
Los Angeles, CA (LO)	0	0	0	0	0	0	0	0	1,320	1,504	1,333	1,587	1,577	0	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	0	14,720
New York City, NY (NYC)	0	0	0	0	0	0	0	0	0	0	0	0	2,287	0	2,287
Orange County, FL (OL)	0	0	0	0	0	0	0	0	1,619	1,698	1,883	1,734	1,764	1,379	10,077

	Number of Records by District and Year of Survey														
Survey Site Name		Year of Survey													
(Sitecode)	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	Total
Palm Beach County, FL (PB)	0	0	0	0	0	0	0	0	0	0	0	1,965	2,506	2,250	6,721
Pasco County, FL (PS)	0	0	0	0	0	0	0	0	0	0	0	0	0	1,620	1,620
San Bernardino, CA (SB)	0	0	0	1,721	2,026	1,079	1,468	1,382	1,127	0	0	0	0	0	8,803
San Diego, CA (SA)	1,302	0	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	1,985	27,627
Shelby County, TN (ST)	0	0	0	0	0	0	0	0	0	0	0	1,258	1,418	0	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	16,329	30,101	21,506	176,999

Appendix B: 2021 Questionnaire Variable Specifications

Appendix B Appendix B contains q and qn specifications for question 6 through question 46 of the 2021 standard MS YRBS questionnaire.

6. 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)

QN label: Rarely or never wore a bicycle helmet

7. 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)

QN label: Rarely or never wore a helmet when rollerblading or skateboarding

8. 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, B, C, or D for Q8

Denominator: Students who answered A, B, C, D, or E for Q8

Summary Text: Percentage of students who did not always wear a seat belt (when riding in a car)

QN label: Did not always wear a seat belt

9. Have you ever ridden in a car driven by someone who had been drinking alcohol?

A. YesB. NoC. 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)

QN label: Ever rode with a driver who had been drinking alcohol

10. Have you ever been in a physical fight?

A. Yes B. No

Variable label: Physical fighting

QN10: Numerator: Students who answered A for Q10
Denominator: Students who answered A or B for Q10

Summary Text: Percentage of students who were ever in a physical fight

QN label: Were ever in a physical fight

11. Have you ever seen someone get physically attacked, beaten, stabbed, or shot in your neighborhood?

A. Yes B. No

Variable label: Seen someone get physically attacked

QN11: Numerator: Students who answered A for Q11

Denominator: Students who answered A or B for Q11

Summary text: Percentage of students who ever saw someone get physically attacked, beaten, stabbed,

or shot in their neighborhood

QN label: Ever saw someone get physically attacked, beaten, stabbed, or shot in their

neighborhood

12. 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

QN label: Were ever bullied on school property

13. 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)

QN label: Were ever electronically bullied

14. 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

QN label: Ever seriously thought about killing themselves

15. 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

QN label: Ever made a plan about how they would kill themselves

16. 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

QN label: Ever tried to kill themselves

17. 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)

QN label: Ever tried cigarette smoking

18. How old were you when you first tried cigarette smoking, even one or two puffs? I have never tried cigarette smoking, not even one or two puffs 8 years old or younger B. C. 9 years old 10 years old D. 11 years old E. F. 12 years old 13 years old or older Variable label: Initiation of cigarette smoking Short response: 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 ON18: 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) QN label: Tried cigarette smoking for the first time before age 11 years 19. During the past 30 days, on how many days did you smoke cigarettes? 0 days A. В. 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 ON19: Students who answered B, C, D, E, F, or G for Q19 Numerator: 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) Currently smoked cigarettes QN label: Required by QNFRCIG, QNDAYCIG, QNTB2, QNTB3, QNTB4, and QNTB5 Dependence:

20. During the past 30 days, on the days you smoked, how many cigarettes did you smoke per day? I did not smoke cigarettes during the past 30 days Less than 1 cigarette per day B. C. 1 cigarette per day D. 2 to 5 cigarettes per day 6 to 10 cigarettes per day E. F. 11 to 20 cigarettes per day G. More than 20 cigarettes per day Variable label: Smoked >10 cigarettes Short response: 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 More than 20 cigarettes ON20*: 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 Percentage of students who smoked more than 10 cigarettes per day (on the days they Summary Text: smoked during the 30 days before the survey, among students who currently smoked cigarettes) ON label: Smoked more than 10 cigarettes per day Dependence: Depends on Q19 21. Have you ever used an electronic vapor product? Yes B. No Variable label: Electronic vapor product use ON21: Numerator: Students who answered A for Q21 Denominator: Students who answered A or B for Q21 Percentage of students who ever used an electronic vapor product (including e-Summary Text: cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blul) QN label: Ever used an electronic vapor product 22. During the past 30 days, on how many days did you use an electronic vapor product? 0 days A. В. 1 or 2 days C. 3 to 5 days D. 6 to 9 days Ε. 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) ON label: Currently used an electronic vapor product Dependence: Required by ONFREVP, ONDAYEVP, ONTB4, and ONTB5

23. 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 Ε. 10 to 19 days F. 20 to 29 days G. All 30 days Variable label: Current smokeless tobacco use QN23: Numerator: Students who answered B, C, D, E, F, or G for Q23 Students who answered A, B, C, D, E, F, or G for Q23 Denominator: 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) ON label: Currently used smokeless tobacco Dependence: Required by ONFRSKL, ONDAYSKL, ONTB3, and ONTB4 24. During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? 0 days В. 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 QN24: Students who answered B, C, D, E, F, or G for Q24 Numerator: Denominator: Students who answered A, B, C, D, E, F, or G for Q24 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) Currently smoked cigars ON label: Dependence: Required by: QNFRCGR, QNDAYCGR, QNTB2, QNTB3, and QNTB4 25. Have you ever had a drink of alcohol, other than a few sips? Yes A. В. No Variable label: Ever alcohol use QN25: Numerator: Students who answered A for Q25 Students who answered A or B for Q25 Denominator: Summary Text: Percentage of students who ever drank alcohol (other than a few sips) QN label: Ever drank alcohol

26. How old were you when you had your first drink of alcohol other than a few sips? 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 13 years old or older Variable label: Initiation of alcohol use Short response: Never drank alcohol 8 years old or younger B. 9 years old C. D. 10 years old E. 11 years old F. 12 years old 13 years old or older G. ON26: Numerator: Students who answered B, C, or D for Q26 Denominator: Students who answered A, B, C, D, E, F, or G for Q26 Summary Text: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips) QN label: Drank alcohol for the first time before age 11 years 27. Have you ever used marijuana? Yes A. В. No Variable label: Ever marijuana use QN27: Numerator: Students who answered A for Q27 Students who answered A or B for Q27 Denominator: Summary Text: Percentage of students who ever used marijuana QN label: Ever used marijuana 28. How old were you when you tried marijuana for the first time? I have never tried marijuana B. 8 years old or younger C. 9 years old D. 10 years old 11 years old E. F. 12 years old 13 years old or older Variable label: Initiation of marijuana use Short response: Never tried marijuana 8 years old or younger B. C. 9 years old D. 10 years old E. 11 years old F. 12 years old G. 13 years old or older ON28: Numerator: Students who answered B, C, or D for Q28 Denominator: Students who answered A, B, C, D, E, F, or G for Q28 Percentage of students who tried marijuana for the first time before age 11 years Summary Text: QN label: Tried marijuana for the first time before age 11 years

29. Have you ever taken **prescription pain medicine** without a doctor's prescription or differently than how a doctor told you to use it?

A. Yes B. No

Variable label: Ever prescription pain medicine use

QN29: Numerator: Students who answered A for Q29

Denominator: Students who answered A or B for Q29
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)

QN label: Ever took prescription pain medicine without a doctor's prescription or differently than

how a doctor told them to use it

30. Have you ever used **any** form of cocaine, including powder, crack, or freebase?

A. Yes B. No

Variable label: Ever cocaine 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 used cocaine (any form of cocaine, including powder,

crack, or freebase)

QN label: Ever used cocaine

31. 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

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 inhalants (sniffed glue, breathed the contents of

spray cans, or inhaled any paints or sprays to get high)

QN label: Ever used inhalants

32. Have you ever had sexual intercourse?

A. Yes B. No

Variable label: Ever sexual intercourse

QN32: Numerator: Students who answered A for Q32

Denominator: Students who answered A or B for Q32

Summary Text: Percentage of students who ever had sexual intercourse

QN label: Ever had sexual intercourse

Dependence: Required by QN35

33. How old were you when you had sexual intercourse for the first time? I have never had sexual intercourse 8 years old or younger B. C. 9 years old 10 years old D. E. 11 years old F. 12 years old 13 years old or older Variable label: Sex before 11 years Short response: Never had sex B. 8 years old or younger 9 years old C. D. 10 years old E. 11 years old F. 12 years old G. 13 years old or older ON33: Numerator: Students who answered B, C, or D for Q33 Denominator: Students who answered A, B, C, D, E, F, or G for Q33 Percentage of students who had sexual intercourse for the first time before age 11 years Summary Text: Had sexual intercourse for the first time before age 11 years QN label: 34. With how many people have you ever had sexual intercourse? 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: Number of sex partners Short response: Never had sex A. В. 1 person C. 2 people D. 3 people 4 people Ε. F. 5 people G. 6 or more people QN34: Numerator: Students who answered D, E, F, or G for Q34 Denominator: Students who answered A, B, C, D, E, F, or G for Q34 Summary Text: Percentage of students who ever had sexual intercourse with three or more persons QN label: Ever had sexual intercourse with three or more persons

35. 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

QN35*: Numerator: Students who answered B for Q35

Denominator: Students who answered A for Q32 and answered B or C for Q35

Summary Text: Percentage of students who used a condom during last sexual intercourse (among

students who ever had sexual intercourse)

QN label: Used a condom during last sexual intercourse

Dependence: Depends on Q32

36. 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

QN36: Numerator: Students who answered D or E for Q36

Denominator: Students who answered A, B, C, D, or E for Q36

Summary Text: Percentage of students who described themselves as slightly or very overweight

QN label: Described themselves as slightly or very overweight

37. Which of the following are you trying to do about your weight?

A. Lose weightB. 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 weightD. Not trying to do anything

QN37: Numerator: Students who answered A for Q37

Denominator: Students who answered A, B, C, or D for Q37
Summary Text: Percentage of students who were trying to lose weight

QN label: Were trying to lose weight

```
38.
         During the past 7 days, on how many days did you eat breakfast?
                   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
ON38:
         Numerator:
                                 Students who answered A for Q38
                                 Students who answered A, B, C, D, E, F, G, or H for Q38
         Denominator:
         Summary Text:
                                 Percentage of students who did not eat breakfast (during the 7 days before the survey)
         QN QN label:
                                 Did not eat breakfast
         Dependence:
                                 Required by QNBK7DAY
39.
         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.)
                   0 days
         B.
                   1 day
         C.
                   2 days
                   3 days
         D.
         E.
                   4 days
         F.
                   5 days
         G.
                   6 days
         H.
                   7 days
         Variable label:
                            Physical activity >= 5 days
QN39:
         Numerator:
                                 Students who answered F, G, or H for Q39
                                 Students who answered A, B, C, D, E, F, G, or H for Q39
         Denominator:
                                 Percentage of students who were physically active at least 60 minutes per day on 5 or
         Summary Text:
                                 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)
                                  Were physically active at least 60 minutes per day on 5 or more days
         ON label:
         Dependence:
                                 Required by QNPA0DAY and QNPA7DAY
40.
         On an average school day, how many hours do you spend in front of a TV, computer, smart phone, or other
         electronic device watching shows or videos, playing games, accessing the Internet, or using social media (also
         called "screen time")? (Do not count time spent doing schoolwork.)
                   Less than 1 hour per day
         A.
         B.
                   1 hour per day
         C.
                   2 hours per day
         D.
                   3 hours per day
         E.
                   4 hours per day
                   5 or more hours per day
         Variable label:
                            Screen time
QN40:
         Numerator:
                                 Students who answered D, E, or F for Q40
                                 Students who answered A, B, C, D, E, or F for Q40
         Denominator:
         Summary text:
                                 Percentage of students who spent 3 or more hours per day on screen time (in front of a
                                 TV, computer, smart phone, or other electronic device watching shows or videos,
                                 playing games, accessing the Internet, or using social media, not counting time spent
                                 doing schoolwork, on an average school day)
         ON label:
                                 Spent 3 or more hours per day on screen time
```

41. In an average week when you are in school, on how many days do you go to physical education (PE) classes? 0 days A. B. 1 day C. 2 days D. 3 days E. 4 days F. 5 days Variable label: PE attendance QN41: Numerator: Students who answered B, C, D, E, or F for Q41 Students who answered A, B, C, D, E, or F for Q41 Denominator: 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 label: Attended physical education (PE) classes on 1 or more days Dependence: Required by QNDLYPE 42. During the past 12 months, on how many sports teams did you play? (Count any teams run by your school or community groups.) 0 teams В. 1 team C. 2 teams D. 3 or more teams Variable label: Sports team participation QN42: Numerator: Students who answered B, C, or D for Q42 Denominator: Students who answered A, B, C, or D for Q42 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) ON label: Played on at least one sports team 43. 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 QN43: Numerator: Students who answered B, C, D, or E for Q43 Students who answered A, B, C, D, or E for Q43 Denominator: Summary text: Percentage of students who had a concussion from playing a sport or being physically

QN label:

active (one or more times during the 12 months before the survey)

Had a concussion from playing a sport or being physically active

44. During the past 30 days, how often was your mental health not good? (Poor mental health includes stress, anxiety, and depression.)

A. Never

B. Rarely

C. Sometimes

D. Most of the time

E. Always

Variable label: Current mental health

QN44: Numerator: Students who answered D or E for Q44

Denominator: Students who answered A, B, C, D, or E for Q44

Summary text: Percentage of students who reported that their mental health was most of the time or

always not good (poor mental health includes stress, anxiety, and depression, during the

30 days before the survey)

QN label: Reported that their mental health was most of the time or always not good

45. 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

QN45: Numerator: Students who answered E, F, of G for Q45

Denominator: Students who answered A, B, C, D, E, F or G for Q45

Summary text: Percentage of students who got 8 or more hours of sleep (on an average school night)

QN label: Got 8 or more hours of sleep

46. 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

A. Home of parent or guardian

B. Home of other people

C. Shelter or emergency housing

D. Motel or hotel

E. Public place

F. No usual place

G. Somewhere else

QN46: Numerator: Students who answered B, C, D, E, or F for Q46

Denominator: Students who answered A, B, C, D, E, F, or G for Q46

Summary text: Percentage of students who usually did not sleep in their parent's or guardian's home

(during the 30 days before the survey)

ON label: Usually did not sleep in their parent's or guardian's home

Appendix C: 2021 Supplemental Variable Specifications

Appendix C

Appendix C contains the specifications for 2021 supplemental dichotomous variables. Supplemental variables are calculated based on data from one or sometimes more than one question.

ONFRCIG:

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;

QNFRSKL:

Numerator: Students who answered F or G for Q23

Denominator: Students who answered A, B, C, D, E, F, or G for Q23

Summary text: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly,

Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days

during the 30 days before the survey)

Variable label: Currently used smokeless tobacco frequently

Dependence: Depends on Q23

SAS code: if q23 in ('6','7') then QNFRSKL=1;

else if q23 in ('1','2','3','4','5') then QNFRSKL=2;

QNDAYSKL:

Numerator: Students who answered G for O23

Denominator: Students who answered A, B, C, D, E, F, or G for Q23

Summary text: Percentage of students who currently used smokeless tobacco daily (chewing tobacco,

snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30

days before the survey)

Variable label: Currently used smokeless tobacco daily

Dependence: Depends on Q23

SAS code: if q23 in ('7') then QNDAYSKL=1;

else if q23 in ('1','2','3','4','5', '6') then QNDAYSKL=2;

QNFRCGR:

Numerator: Students who answered 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 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 Q24

SAS code: if q24 in ('6','7') then QNFRCGR=1;

else if q24 in ('1','2','3','4','5') then QNFRCGR=2;

QNDAYCGR:

Numerator: Students who answered G for Q24

Denominator: Students who answered A, B, C, D, E, F, or G for Q24

Summary Text: Percentage of students who 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 Q24

SAS code: if q24 in ('7') then QNDAYCGR=1;

else if q24 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 Q24

Denominator: Students who answered B, C, D, E, F, or G for Q19 or Q24 or answered A for Q19 and

Q24

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 Q24

SAS code: if q19 in ('2','3','4','5','6','7') or q24 in ('2','3','4','5','6','7') then QNTB2=1;

else if q19='1' and q24='1' then QNTB2=2; if q19 in ('') or q24 in ('') then QNTB2=.;

QNTB3: Students who answered B, C, D, E, F, or G for Q19, Q23, or Q24 Numerator: Denominator: Students who answered B, C, D, E, F, or G for Q19, Q23, or Q24 or answered A for Q19, Q23, and Q24 Percentage of students who currently smoked cigarettes or cigars or used smokeless Summary text: 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, Q23, and Q24 if q19 in ('2','3','4','5','6','7') or SAS code: q23 in ('2','3','4','5','6','7') or q24 in ('2','3','4','5','6','7') then QNTB3=1; else if q19='1' and q23='1' and q24='1' then QNTB3=2; if q19 in ('') or q23 in ('') or q24 in ('') then QNTB3=.; QNTB4: Numerator: Students who answered B, C, D, E, F, or G for Q19, Q22, Q23, or Q24 Students who answered B, C, D, E, F, or G for Q19, Q22, Q23, or Q24 or answered A Denominator: for Q19, Q22, Q23, and Q24 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 Dependence: Depends on Q19, Q22, Q23, and Q24 SAS code: if q19 in ('2','3','4','5','6','7') or g22 in ('2','3','4','5','6','7') or q23 in ('2','3','4','5','6','7') or q24 in ('2','3','4','5','6','7') then QNTB4=1; else if q19='1' and q22='1' and q23='1' and q24='1' then QNTB4=2; if q19 in ('') or q22 in ('') or q23 in ('') or q24 in ('') then QNTB4=.; **ONTB5:** 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 Percentage of students who currently smoked cigarettes or used electronic vapor Summary text: 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; if q19 in (' ') or q22 in (' ') then QNTB5=.; QNBK7DAY: Numerator: Students who answered H for Q38 Denominator: Students who answered A, B, C, D, E, F, G or H for Q38 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 Q38 if q38 in ('8') then QNBK7DAY=1; SAS code: else if q38 in ('1','2','3','4','5','6','7') then QNBK7DAY=2;

QNPA0DAY:

Numerator: Students who answered A for Q39

Denominator: Students who answered A, B, C, D, E, F, G, or H for Q39

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 Q39

SAS code: if q39='1' then QNPA0DAY=1;

else if q39 in ('2','3','4','5','6','7','8') then QNPA0DAY=2;

QNPA7DAY:

Numerator: Students who answered H for Q39

Denominator: Students who answered A, B, C, D, E, F, G, or H for Q39

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 Q39

SAS code: if q39='8' then QNPA7DAY=1;

else if q39 in ('1','2','3','4','5','6','7') then QNPA7DAY=2;

QNDLYPE:

Numerator: Students who answered F for Q41

Denominator: Students who answered A, B, C, D, E, or F for Q41

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 Q41

SAS code: if Q41='6' then QNDLYPE=1;

else if Q41 in ('1','2','3','4','5') then QNDLYPE=2;