



# 2016 National Survey of Children's Health

## SPSS CODEBOOK FOR DATA USERS:

Child and Family Health Measures,  
National Performance and Outcome Measures, and Subgroups

Version 2.0: April 2018



## **Recommended Citation**

---

Appropriate citation should accompany publication or presentation of any analysis involving variables constructed using code from this document in any form. The following format is recommended:

Child and Adolescent Health Measurement Initiative (CAHMI), Data Resource Center for Child and Adolescent Health. (2018). “2016 National Survey of Children’s Health: Child and Family Health Measures and Subgroups, SPSS Codebook, Version 2.0”, Retrieved [mm/dd/yy] from [www.childhealthdata.org](http://www.childhealthdata.org)



# CONTENTS

## Introduction

Purpose of the 2016 NSCH SPSS Codebook .....	1
The CAHMI Data Resource Center for Child and Adolescent Health .....	1
Overview of the 2016 NSCH .....	2
Important Information Regarding the 2016 NSCH Data .....	3

## Child and Family Health Measures and Subgroups

### Physical, Oral Health and Functional Status

1.1 Health status.....	7
1.2 Condition of teeth, 1-17 years .....	8
1.2a Oral health problems, 1-17 years .....	9
1.3 Breastfed ever, 0-5 years .....	11
1.3a Exclusive breastfeeding, age 6 months-5 years.....	12
1.4 Weight status (BMI) in 4 categories, 10-17 years .....	14
1.4a Weight status (BMI) in 3 categories, 10-17 years .....	16
1.5 Physical activity, 6-17 years .....	18
1.6 Concerns about weight.....	19
1.7 Low birth weight.....	20
1.7a Low or very low birth weight .....	21
1.8 Premature birth .....	22
1.9 One or more health conditions .....	23
1.9a Severity of current condition .....	32
1.10 One or more functional difficulties .....	40
1.11 Children with special health care needs .....	45
1.12 Effect of conditions on daily activities .....	49

### Emotional and Mental Health

2.1 Bully others, 6-17 years .....	50
2.2 Bullied, 6-17 years .....	51
2.3 Flourishing for young children, 6 months-5 years .....	52
2.4 Flourishing for children and adolescents, 6-17 years .....	55

2.5	Argues too much, 6-17 years .....	57
2.6	Making and keeping friends, 6-17 years.....	58
2.7	Prevalence of ADD/ADHD, 3-17 years.....	59
2.7a	Parent-rated severity of ADD/ADHD, 3-17 years.....	60
2.7b	Medication for ADD/ADHD, 3-17 years .....	61
2.7c	Received behavioral treatment for ADD/ADHD, 3-17 years.....	62
2.8	Prevalence of autism/ASD, 3-17 years). .....	63
2.8a	Parent-rated severity of autism/ASD, 3-17 years.....	64
2.8b	Medication for autism/ASD, 3-17 years .....	65
2.8c	Received behavioral treatment for ASD, 3-17 years .....	66
2.8d	Age of diagnosis for autism/ASD, 3-17 years.....	67
2.8e	Type of health care provider to first tell that child had autism/ASD, 3-17 years.....	68
2.9	Medication for ADD/ADHD, ASD or difficulties with emotions, concentration, or behavior, 3-17 years .....	69

### **Health Insurance Coverage**

3.1	Current health insurance status.....	70
3.2	Consistency of insurance coverage.....	71
3.3	Type of health insurance .....	73
3.4	Adequacy of current insurance.....	75
3.4a	Adequate insurance.....	77
3.5	Insurance coverage for mental health care, 3-17 years .....	79
3.6	Out-of-pocket cost for medical and health care.....	80

### **Health Care Access and Quality**

4.1	Medical care visit .....	81
4.1a	Preventive medical visit .....	82
4.1b	Time with doctor during preventive medical visit.....	83
4.1c	Doctor spoke with child privately, 12-17 years .....	84
4.2	Dentist visit, 1-17 years .....	85
4.2a	Preventive dental care, 1-17 years.....	86
4.3	Received both preventive medical and dental care.....	87
4.4	Received mental health care, 3-17 years .....	88
4.4a	Problems obtaining mental health care, 3-17 years .....	89
4.5	Received care from a specialist doctor.....	90
4.5a	Problems obtaining specialist care .....	91
4.6	Vision test .....	92
4.7	Hospital emergency room visit .....	93
4.8	Alternative health care or treatment .....	94
4.9	Doctor asked about parental concerns, age 0-5 years.....	95

4.10	Developmental screening, 9-35 months .....	96
4.11	Special services for developmental needs .....	98
4.11a	Age started receiving special services for developmental needs.....	99
4.12	Medical home .....	100
4.12a	Personal doctor or nurse .....	106
4.12b	Usual source for sick and preventive care.....	107
4.12c	Family-centered care .....	108
4.12d	Problems getting needed referrals .....	111
4.12e	Effective care coordination .....	112
4.14	Shared decision making .....	115
4.15	Transition to adult health care, 12-17 years .....	118
4.17	Systems of care .....	121
4.18	Forgone health care.....	124
4.19	Problems paying medical bills .....	128
4.20	Frustrated in efforts to get services .....	129

### **Community and School Activities**

5.1	Special education or early intervention plan, 1-17 years.....	130
5.1a	Age started special education or early intervention plan.....	132
5.2	School engagement, 6-17 years.....	133
5.3	Repeated grade(s) in school, 6-17 years .....	135
5.4	Missed school days, 6-17 years .....	136
5.5	Participation in organized activities, 6-17 years .....	137
5.6	Parent participation in child's event/activities, 6-17 years .....	139
5.7	Participation in community service or volunteer work, 6-17 years .....	140
5.8	Work for pay, 12 -17 years .....	141
5.9	Adult mentor, 6-17 years .....	142
5.11	Healthy and ready to learn measure <b>individual items</b> , 3-5 years .....	143

### **Family Health and Activities**

6.1	Physical health status of mother.....	150
6.1a	Physical health status of father.....	152
6.2	Mental health status of mother .....	154
6.2a	Mental health status of father .....	156
6.3	Overall health status of mother.....	158
6.3a	Overall health status of father.....	160
6.4	Someone living in the household smokes .....	162
6.4a	Someone smokes inside the home .....	163
6.5	Children living in "working poor" families .....	164
6.6	Family shares ideas, 6-17 years.....	166

6.7	Family reads to children, 0-5 years .....	167
6.8	Family sings and tells stories to children, 0-5 years .....	168
6.9	Family eats meal together .....	169
6.10	Time spent watching TV or playing video games.....	170
6.11	Time spent with a computer, cell phone, electronic device .....	171
6.12	Family resilience .....	172
6.13	Adverse childhood experiences.....	174
6.14	Parental aggravation.....	178
6.15	Parent receives emotional help when parenting .....	180
6.16	Coping with daily demands of raising children .....	181
6.17	Job change due to problems with child care, 0-5 years .....	182
6.18	Stopped working and cut back hours due to child's health .....	183
6.19	Avoided changing jobs.....	184
6.20a	Time spent providing health care .....	185
6.20b	Time spend coordinating health care .....	186
6.21	Received day care from others at least 10 hours/week, 0-5 years .....	187
6.22	Sleep position, 0-12 months .....	188
6.24	Child goes to bed same time on weeknights.....	189
6.25	Adequate amount of sleep, 4 months-17 years.....	190
6.26	Food insufficiency .....	192
6.27	Received food or cash assistance.....	193

### **Neighborhood Safety and Support**

7.1	Supportive neighborhood .....	195
7.2	Safe neighborhood .....	196
7.3	Safe school, 6-17 years .....	197
7.4	Neighborhood amenities.....	198
7.5	Presence of detracting neighborhood elements.....	200

### **Subgroups**

U.S. children in 3 age groups.....	202
U.S. children in 5 age groups.....	203
Sex of child.....	204
Race and ethnicity distribution of the child population .....	205
Race and ethnicity distribution of the child population including Asian data .....	207
Parental nativity.....	209
Primary household language .....	210
Primary household language for Hispanic children .....	211
Family structure of child's household .....	212
Income level (federal poverty level, FPL) of child's household .....	213

Income level (federal poverty level, FPL) of child's household - SCHIP groupings.....	214
Highest education of adult in household .....	215

## **Title V Block Grant Measures**

NPM 6: Developmental screening, age 9-35 months .....	217
NPM 8.1: Physical activity, age 6-11 years.....	220
NPM 8.2: Physical activity, age 12-17 years.....	222
NPM 9: Bully others, age 12-17 years .....	224
NPM 9: Bullied, age 12-17 years .....	226
NPM 10: Preventive medical visit, age 12-17 years .....	228
NPM 11: Medical home, children with special health care needs (CSHCN) .....	230
NPM 11: Medical home, children without special health care needs (Non-CSHCN) .....	236
NPM 12: Transition to adult health care, CSHCN age 12-17 years .....	238
NPM 12: Transition to adult health care, Non-CSHCN age 12-17 years.....	241
NPM 13.2: Preventive dental visit, age 1-17 years.....	243
NPM 14.2: Someone living in the household smokes .....	245
NPM 15: Adequate insurance .....	247
NOM 14: Tooth decay/cavities, age 1-17 years.....	251
NOM 17.1: Children with special health care needs .....	252
NOM 17.2: Systems of care, children with special health care needs .....	255
NOM 17.3: Autism, age 3-17 years.....	259
NOM 17.4: ADD/ADHD, age 3-17 years.....	261
NOM 18: Mental health treatment, age 3-17 years.....	263
NOM 19: Overall health status .....	266
NOM 20: Obesity, age 10-17 years .....	267
NOM 25:Forgone health care .....	269

**Appendix A:** Unweighted Frequency Tables - Child & Family Health Measures and Subgroups ..... **A-1**

**Appendix B:** Unweighted Frequency Tables - Title V Block Grant Measures..... **B-1**

**Appendix C:** Notes on the Design of the 2016 NSCH..... **C-1**

**Appendix D:** Notes on Imputation for Missing Values .....



### ***Acknowledgments***

This publication is prepared and updated, as needed, by the Child and Adolescent Health Measurement Initiative (CAHMI).

The CAHMI team extends their heartfelt thanks to the Federal Maternal and Child Health Bureau (MCHB) for assuring the availability of high-quality national and state-level survey data on children's health. We also wish to thank MCHB for their continued support of the Data Resource Center for Child and Adolescent Health (DRC).

We further recognize the U.S. Census Bureau for their important, collaborative role in collecting the data.

The measures outlined in this document represent the intellectual leadership of many DRC advisors and experts nationally and in states.

Last, we would like to thank the many researchers who sought CAHMI's assistance in replicating DRC measures for their own analyses. Their experiences and observations have been very helpful to us in formulating these measure development methods and the supplemental content in this codebook.



## INTRODUCTION

### Purpose of the 2016 NSCH SPSS Codebook

---

This codebook contains documentation and SAS program statements used in the development of the Child and Family Health Measures, National Performance and Outcome Measures, and subgroup variables featured in the National Data Resource Center for Child and Adolescent Health (DRC) interactive data query for the 2016 National Survey of Children's Health (NSCH) located online at [www.childhealthdata.org](http://www.childhealthdata.org). The purpose of the DRC codebook is to serve as a resource for researchers and analysts interested in understanding how these measures are conceptualized, constructed and interpreted.

This codebook complements the DRC 2016 NSCH Data Set, which includes all of the measures and subgroup variables listed herein. The dataset is available free of charge, using the "Request a Dataset" feature on the DRC website, <http://childhealthdata.org/help/dataset>.

### The CAHMI's Data Resource Center for Child and Adolescent Health (DRC)

---

The Data Resource Center for Child and Adolescent Health (DRC) is an easy-to-use public website that eliminates barriers and reduces time and resources needed to obtain key findings on the health and health care of children, youth, and families in the United States. The DRC is funded through a cooperative agreement with the Maternal and Child Health Bureau (MCHB) and is led by the Child and Adolescent Health Measurement Initiative (CAHMI), based at the Bloomberg School of Public Health, Johns Hopkins University. The DRC is located online at [www.childhealthdata.org](http://www.childhealthdata.org).

The main feature of the DRC is an interactive data query that includes over 100 standardized measures from national- and state-based surveys on the health and health care of children, youth, and families. Survey results can be stratified by the age, race/ethnicity, income, and other pertinent characteristics of children and youth nationwide or for any state. The survey questionnaires, sampling diagrams, methods reports, articles and presentations based on the surveys, and other resources may also be accessed on the DRC web site.

## **Overview of the 2016 NSCH**

---

The 2016 National Survey of Children's Health (NSCH) was conducted from June 2016 through February 2017 by the Census Bureau of the United States. It was sponsored by the U.S. Department of Health and Human Services, Health Resources and Services Administration, Maternal and Child Health Bureau (MCHB) and consolidated content from the NSCH and the National Survey of Children with Special Health Care Needs. Starting with 2016, the NSCH will be fielded annually. The survey was designed to:

- (1) estimate national and state-level prevalence for a variety of child and family health measures,
- (2) generate information about children, families, school, and neighborhoods to help guide policymakers, advocates, and researchers, and
- (3) provide baseline estimates for federal and state performance measures, Healthy People 2020 objectives, and state-level needs assessments.

The NSCH provides a broad range of information about children's health and well-being collected in a manner that allows comparisons among states as well as nationally. For the 2016 survey, a total of 50,212 NSCH interviews were completed nationally by parents/caregivers of children and youth - approximately 985 in each state and the District of Columbia, ranging from 638 in Mississippi to 1,351 in Minnesota. Survey results are adjusted and weighted to reflect the demographic composition of non-institutionalized children and youth age 0–17 in each state. Questionnaire topics include demographics, health and functional status, health insurance coverage, health care access and utilization, medical home, early childhood (0–5 years) issues, issues specific to middle childhood and adolescence (6–17 years), family functioning, parental health status and neighborhood and community characteristics.

For the 2016 National Survey of Children's Health, surveys were completed by mail and online. Households received a mailed invitation asking an adult who is familiar with child's health and health care in the household (usually the parent) to go online to complete a short screener questionnaire. The screener questionnaire asked participants to identify all children ages 0–17 living in the household. If a child lived in the household, the participants were then immediately directed to a more detailed, age-specific topical questionnaire. Only one child per household was randomly selected to be the subject of the detailed topical questionnaire. All non-responding households received a reminder in the mail. A mailed paper-and-pencil screener was provided if the household did not respond to the first two web survey invitations. A simple visual diagram for the survey sampling and administration is available on the [DRC website](#).

**Please note that due to changes in the NSCH's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN, or to conduct any type of trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016 and moving forward.** See Appendix C to learn about the redesign of NSCH.

Additional resources detailing information about the NSCH - including Fast Facts, Survey Sampling and Administration Diagram, and a Guide to Topics and Questions - are available [on the DRC](#). The public use data file for the 2016 NSCH, along with [Methodology Report](#) and other relevant background information and documentation, is located on the United States Census Bureau website, <https://census.gov/programs-surveys/nsch/about.html> and on the MCHB website <https://mchb.hrsa.gov/data/national-surveys>.

## Important Information Regarding the 2016 NSCH Data

---

### ***Weighting***

Each record in the 2016 NSCH public release dataset is assigned a single sampling weight (variable name **FWC**). Population weights make adjustments for nonresponses to both the household screener and the topical survey instrument, within-household subsampling procedures, and use data from the American Community Survey to adjust estimates to be representative of the gender, ethnic and race distributions of children in the U.S.

The weighting process for the interviewed children begins with the base weight for each sample household, followed by an adjustment for screener nonresponse. Then, the eligible children from the screener interview cases are adjusted to population controls, and a within-household subsampling factor is applied to the screener interview cases. Next, an adjustment for topical nonresponse is applied to the topical interview cases. Last, adjustments are used to match each state's weighted survey responses to selected characteristics of the state's population of non-institutionalized children age 0-17. Characteristics include those such as household size, household poverty threshold, and educational attainment of the household respondent, race, ethnicity, and special health care needs status by state, as well as age and sex nationally.

State population counts were obtained from the 2015 American Community Survey (ACS). More details are available within the Census's "[2016 National Survey of Children's Health, Methodology Report](#)" and [Source and Accuracy Statement](#).

### ***Variance estimation***

Using statistical software with the capacity to take into account the complex sampling design of the 2016 NSCH is required to appropriately calculate the variances, the associated standard errors, and confidence intervals required for accurate statistical hypothesis testing. Computer programs capable of variance estimation for complex sample designs include SUDAAN, SAS survey procedures, Stata, WesVar, and SPSS Complex Samples.

#### **The sampling plan should be set up as following:**

**Strata: FIPSST (state of residence) and STRATUM (identifies households with children) variables**

**Cluster: HHID (unique household identifier)**

**Weight: FWC**

The NSCH is designed to provide independent data results for each of the 50 states and the District of Columbia. Subsetting the survey data to a particular state does not compromise the design structure of the survey. However, **it is important to note that subsetting to any other population subgroup** (e.g., age group, race/ethnicity, or income) within or across states will lead to **incorrect standard error estimation**, even if complex samples statistical software is used. **To avoid this problem, use a subpopulation procedure that allows targeting specific subpopulations for analysis while retaining the full sample design information, such as SUDAAN's SUBPOPN option.**

### ***State data availability***

Currently, the 2016 NSCH's most comprehensive data is available at the national level, including data for subgroups of children (e.g. race/ethnicity, health status, insurance type, etc.). State-level data is available for many items and MCH performance and outcome measures, but may not be available for subgroups of children in each state due to sample size limitations. The DRC data query alerts data users when estimates are suppressed or flagged as imprecise using the criteria set by the Maternal Child Health Bureau (MCHB). The data suppression and precision alert used for the DRC data query is available at: [http://childhealthdata.org/docs/default-source/drc/2016-nsch\\_data-supression-and-display\\_revised\\_102317.pdf?sfvrsn=388d5417\\_2](http://childhealthdata.org/docs/default-source/drc/2016-nsch_data-supression-and-display_revised_102317.pdf?sfvrsn=388d5417_2). Beginning in 2017, pooled multi-year estimates may enable the presentation of additional state-level subgroup data.

### ***Specific note about state and national level estimates for detailed race categories***

It is important to note that the Census Bureau used state and national population controls for the White, Black, Asian, and Other race categories. However, American Indian or Alaska Native (AIAN), Native Hawaiian and Other Pacific Islander (NHPI), some “Other”, and “Two or More Races” are not controlled independently. Therefore, the **Census Bureau does not recommend using state or national population estimates for these race categories**. In addition, state samples for **Black, Asian and Hispanic Origin** are too small ( $n < 30$ ) in some states **and should not be used to derive population estimates** in the following states:

- **Black:** AK, AZ, CO, HI, ID, IA, KS, ME, MT, NE, NH, NM, ND, OR, SD, UT, VT, WV, WI, WY
- **Asian:** AL, AR, ID, IN, LA, ME, MS, MO, MT, NE, NM, ND, OK, SC, SD, TN, UT, VT, WV, WY
- **Hispanic Origin:** AL, ME, MS, VT, WV

### ***Substate data availability***

The 2016 National Survey of Children's Health reports four geographic variables for some states in the public use file: FIPSST (State of Residence), CBSAFP\_YN (Core-Based Statistical Area Status), METRO\_YN (Metropolitan Statistical Area Status), and MPC\_YN (Metropolitan Principal City Status). More information about the geographic variables can be found on the Census's "[2016 National Survey of Children's Health, Methodology Report](#) (pages 51-53).

Zip code data is not released in the public use data set due to confidentiality restrictions. Confidential data from the survey are managed by the Research Data Center of the Census Bureau; information on how to

access these data may be found on the RDC web page,  
<https://www.census.gov/about/adrm/fsrdc/about.html>.

### ***Interpretation of results***

The respondents to the NSCH survey are parents or guardians who know the child's health best. However, the results are weighted to reflect the population of children and youth ages 0–17, not parents or families. Thus, results are reported in terms of children/youth, even if the question refers to the parents or family. For example, when reporting on maternal health status. it is correct to say: “...percentage of children whose mothers are in excellent or very good health,” NOT “...percentage of mothers who are in excellent or very good health....”

Additionally, it is good to keep in mind that the condition-specific information in this survey is based on parent report, not clinical diagnosis. Height and weight information used to calculate the Body Mass Index (BMI)-for-age indicator is also derived from parent report, not biometric measurement.

Please pay careful attention to the valid denominator of responders to specific questions when interpreting results for this survey. Although most of the questions were asked for all children ages 0–17, some questions of the survey targeted specific age groups: ages 0–5, 3–5 and 6–17 years. In several parts of the survey, follow-up questions were asked only if parents gave a specific response to an earlier question.

### ***Treatment of unknown/missing values***

Missing values due to non-response or a “don’t know” response are not included in the denominator of prevalence estimates and weighted population counts displayed on the DRC data query. In the majority of cases, the proportion of missing values is less than 2%. Exceptions are noted in the form of a Data Alert at the bottom of a results table. The exclusion of these values does not change the prevalence estimates (%), and only marginally affects the weighted population counts (Pop. Est.). When missing cases are handled in any other way, details will be shown in the "Additional Notes" section for each measure below. A few questions have higher proportions of unknown values, most notably BMI-for-age (3.4% unweighted) of children age 10–17, nationwide. The impact of missing values on population count estimates is available on the [DRC website](#).

### ***Imputation of missing values***

The 2016 NSCH public data file provided by the United States Census Bureau includes the single imputed household poverty ratio (FPL), which had 18.6% missing values. The data file also offers several other imputed variables, such as child’s sex (SC\_SEX), race (SC\_RACE\_R, SC\_RACEASIA, SC\_RACEAIAN), hispanic origin (SC\_HISPANIC), household size (HHSIZE\_I) and Adult 1 highest education level (A1\_GRAD\_I) with a corresponding flag variable to let you know which cases were imputed. In the 2016 NSCH, income, household count, and education variables were multiply imputed and the first imputes of income, household count, and education variables are included in the public use file.

Results tables available on the Data Resource Center data query use values obtained by **single imputation** provided in the Census public use data file. **The estimates and confidence intervals based on single imputation will differ from those calculated using multiple imputation.** Appendix D provides additional information on the single imputation of missing values in the DRC 2016 NSCH Dataset.

The implicate data file with six imputed values for poverty level ratio is available on the Census Bureau's website, at <https://census.gov/programs-surveys/nsch/data/nsch2016.html>. Additional information about the multiple imputation can be found on the [Census Bureau's NSCH webpage](#).

#### ***Verification of variables constructed using Codebook syntax***

Unweighted frequency distributions for all of the variables in this codebook are located in Appendix A. These distributions can be used ONLY as a resource for cross-checking results, NOT for reporting of the survey estimates.

#### ***Additional information on survey design and methodology***

The Census developed a Methodology Report that describes the development, plan, and operation of the 2016 National Survey of Children's Health. View or download the report from the United States Census Bureau website at <https://www.census.gov/content/dam/Census/programs-surveys/nsch/tech-documentation/methodology/2016-NSCH-Methodology-Report.pdf>.

---

**2016 National Survey of Children's Health**

**Child and Family Health Measures and**

**Subgroup Variables**

---



Indicator 1.1	Health status
Description	In general, how would you describe this child's health?
Survey Items Used	Survey instrument item number for children 0-5 years: A1; for children 6-11 years: A1; for children 12-17 years: A1 Variable in public use data file: K2Q01
Denominator	Children age 0-17 years
Numerator	Children who have excellent or very good health; Children who have good health; Children who have fair or poor health
<b>Notes for Data-Users</b>	
This measure combines five response categories (excellent, very good, good, fair, and poor) into three response categories. Estimates may vary compared to similar indicators from other surveys provided elsewhere on the DRC website because of differences in survey wording and survey administration.	
<b>Revisions in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q01 (1 thru 2=1) (3=2) (4 thru 5=3) (SYSMIS=99) into ChHlthSt_16. VARIABLE LABELS ChHlthSt_16 "Indicator 1.1: Children's overall health status". VALUE LABELS ChHlthSt_16 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES ChHlthSt_16(99). FORMATS ChHlthSt_16(f2.0) . EXECUTE . </pre>	

Indicator 1.2	Condition of teeth, age 1-17 years
Description	How would you describe the condition of this child's teeth?
Survey Items Used	Survey instrument item number for children 0-5 years: A2; for children 6-11 years: A2; for children 12-17 years: A2 Variable in public use data file: K2Q01_D
Denominator	Children age 1-17 years
Numerator	Children who have excellent or very good teeth; Children who have good teeth; Children who have fair or poor teeth
<b>Notes for Data-Users</b>	
This measure combines five response categories (excellent, very good, good, fair, and poor) into three response categories. Children who have no natural teeth or who are less than one year old are not included in this indicator.	
<b>Rewritten in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q01_D (1 thru 2=1) (3=2) (4 thru 5=3) (6=95) (SYSMIS=99) into TeethCond_16. IF SC_AGE_YEARS &lt; 1 TeethCond_16 = 95. VARIABLE LABELS TeethCond_16 "Indicator 1.2: Overall condition of children's teeth, age 1-17 years". VALUE LABELS TeethCond_16 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 95 "Children age 0-1 year or Children with no teeth" 99 "Missing". MISSING VALUES TeethCond_16(95,99). FORMATS TeethCond_16(f4.0). EXECUTE. </pre>	

Indicator 1.2a	Oral health problems, age 1-17 years
Description	During the past 12 months, has this child had oral health problems such as toothaches, bleeding gums or decayed teeth or cavities?
Survey Items Used	Survey instrument item number for children 0-5 years: A4g-i; for children 6-11 years: A4e-g; for children 12-17 years: A4 e-g Variables in public use data file: TOOTHACHE, GUMBLEED, CAVITIES
Denominator	Children age 1-17 years
Numerator	Children who had one or more oral health problems in past 12 months; Children who did not have oral health problems in past 12 months
<b>Notes for Data-Users</b>	
This measure was created using three survey questions: whether the child had a toothache in the past 12 months, whether the child had bleeding gums in the past 12 months, or whether the child had decayed teeth/cavities in the past 12 months.	
<b>Revisions in 2016</b>	
In 2011/12, one question asked if a child had a toothache, decayed teeth, or cavities. In 2016, two separate questions asked whether the child had a "toothache" or "decayed teeth or cavities" in the past 12 months. Additionally, a third question asked whether the child had bleeding gums in the past 12 months. The 2016 items capture frequent or chronic difficulty rather than any experience in the past year. There were changes to the wording of this question. For more information about the changes, <a href="#">click here</a> .  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE TOOTHACHES (SYSMIS=99) (else=copy) into toothache_16. IF SC_AGE_YEARS &lt; 1 toothache_16 = 95. VARIABLE LABELS toothache_16 "Children who had toothache during the past 12 months, age 1-17 years". VALUE LABELS toothache_16 1 "Yes" 2 "No" 95 "Children age less than 1 year old" 99 "Missing". MISSING VALUES toothache_16(95,99). EXECUTE.  RECODE GUMBLEED (SYSMIS=99) (else=copy) into gumbleed_16. IF SC_AGE_YEARS &lt; 1 gumbleed_16 = 95. VARIABLE LABELS gumbleed_16 "Children who had bleeding gum during the past 12 months, age 1-17 years". VALUE LABELS gumbleed_16 1 "Yes" </pre>	

```
2 "No"  
95 "Children age less than 1 year old"  
99 "Missing".  
MISSING VALUES gumbleed_16(95,99).  
EXECUTE.
```

```
RECODE CAVITIES  
(SYSMIS=99) (else=copy) into cavities_16.  
IF SC_AGE_YEARS < 1 cavities_16 = 95.  
VARIABLE LABELS cavities_16 "Children who had decayed teeth or cavities during the past 12 months, age 1-17 years".  
VALUE LABELS cavities_16  
1 "Yes"  
2 "No"  
95 "Children age less than 1 year old"  
99 "Missing".  
MISSING VALUES cavities_16(95,99).  
EXECUTE.
```

```
COUNT ctOralProb_16 = TOOTHACHES GUMBLEED CAVITIES(1).  
IF (SYSMIS(TOOTHACHES)) and (SYSMIS(GUMBLEED)) and (SYSMIS(CAVITIES)) ctOralProb_16 = 99.  
IF SC_AGE_YEARS < 1 ctOralProb_16 = 95.  
VARIABLE LABELS ctOralProb_16 "Number of oral health problems, age 1-17 years".  
VALUE LABELS ctOralProb_16  
0 "No oral health problems"  
1 "One oral health problem"  
2 "Two oral health problems"  
3 "Three oral health problems"  
95 "Children age less than 1 year"  
99 "Missing to all".
```

```
COMPUTE OralProb_16 = 999.  
IF ctOralProb_16 = 0 OralProb_16 = 2.  
IF ctOralProb_16 > 0 OralProb_16 = 1.  
IF ctOralProb_16 = 99 OralProb_16 = 99.  
IF SC_AGE_YEARS < 1 OralProb_16 = 95.  
VARIABLE LABELS OralProb_16 "Indicator 1.2a: Oral health problems: toothache, bleeding gums, and/or decayed teeth or cavities, age 1-17 years".  
VALUE LABELS OralProb_16  
1 "One or more oral health problems"  
2 "No oral health problems"  
95 "Children age less than 1 year"  
99 "Missing to all".  
MISSING VALUES OralProb_16(95,99).  
FORMATS OralProb_16(f2.0).  
EXECUTE.
```

<b>Indicator 1.3</b>	<b>Breastfed ever, age 0-5 years</b>
<b>Description</b>	Was this child ever breastfed or fed breast milk?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: B4 Variable name in public use data file: K6Q40
<b>Denominator</b>	Children age 0-5 years
<b>Numerator</b>	Children less than 6 years old who were never breastfed or fed breast milk; Children less than 6 years old who were breastfed or fed breast milk during infancy
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q40 (SYSMIS=99) (else=copy) into BrstEver_16. IF SC_AGE_YEARS &gt; 5 BrstEver_16 = 90. VARIABLE LABELS BrstEver_16 "Indicator 1.3: Children who were ever breastfed or fed breast milk, age 0-5 years". VALUE LABELS BrstEver_16 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES BrstEver_16(90,99). FORMATS BrstEver_16(f4.0). EXECUTE. </pre>	

Indicator 1.3a	Exclusively breastfed first 6 months, age 6 months-5 years
Description	How old was this child when he or she completely stopped breastfeeding or being fed breast milk?
Survey Items Used	Survey instrument item number for children 0-5 years: B4 Variables in public use data file: K6Q40; BREASTFEDEND_MO_S; K6Q41R_STILL; FRSTFORMULA_MO_S; K6Q42R_NEVER; FRSTSOLIDS_MO_S; K6Q43R_NEVER
Denominator	Children age 6 months - 5 years
Numerator	Children who were never breastfed; Children who were exclusively breastfed or fed breast milk for the first six months; Children who were breast fed or fed breast milk, but not exclusively during the first six months; Children whose exclusivity is not known
<b>Notes for Data-Users</b>	
<p>Four questions were used to construct this measure: 1) whether the child was ever breastfed or fed breast milk, 2) age at which breastfeeding stopped, 3) age at which formula was introduced, and 4) age at which anything other than breast milk was introduced.</p> <p>To qualify as having been exclusively breastfed for six months, children must meet all of the following: 1) be at least six months old, 2) did not stop breastfeeding before six months of age, and 3) were not introduced to formula or anything other than breast milk (including juice, cow's milk, sugar water, baby food, or anything else, even water) until at least six months old. These items were top-coded to standardize them into days and months, and this measure uses standardized months.</p>	
<b>Revisions in 2016</b>	
<p>The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<p>*Stopped breastfeeding before 6 months or after 6 months*</p> <pre> COMPUTE BrstStop_16 = 999. IF (SYSMIS(BREASTFEDEND_MO_S)) BrstStop_16 = 99. IF BREASTFEDEND_MO_S &lt; 6 BrstStop_16 = 1. IF BREASTFEDEND_MO_S &gt;= 6 OR K6Q41R_STILL = 1 BrstStop_16 = 2. *IF K6Q40 = 2 or (SYSMIS(K6Q40)) BrstStop_16 = 95. IF SC_AGE_YEARS &gt; 5 BrstStop_16 = 90. VARIABLE LABELS BrstStop_16 "Age in months when stopped breastfeeding". VALUE LABELS BrstStop_16 1 "Less than 6 months" 2 "6 months or longer, or still breastfeeding" 95 "Never breastfeed/Missing to K6Q40" 99 "Missing" 90 "Children age 6-17 years". </pre>	

\*Fed formula earlier than 6 months, after 6 months or never

```
COMPUTE FedForm_16 = 999.
IF (SYSMIS(FRSTFORMULA_MO_S)) FedForm_16 = 99.
IF FRSTFORMULA_MO_S < 6 FedForm_16 = 1.
IF FRSTFORMULA_MO_S >= 6 or K6Q42R_NEVER = 1 FedForm_16 = 2.
IF SC_AGE_YEARS > 5 FedForm_16 = 90.
VARIABLE LABELS FedForm_16 "Age in months when first fed formula".
VALUE LABELS FedForm_16
1 "Earlier than 6 months"
2 "6 months or after or never fed formula"
99 "Missing"
90 "Children age 6-17 years".
```

\*Fed other food earlier than 6 months, after 6 months or never

```
COMPUTE FedOther_16=999.
IF (SYSMIS(FRSTSOLIDS_MO_S)) FedOther_16 = 99.
IF FRSTSOLIDS_MO_S < 6 FedOther_16 = 1.
IF FRSTSOLIDS_MO_S >= 6 or K6Q43R_NEVER = 1 FedOther_16 = 2.
IF SC_AGE_YEARS > 5 FedOther_16 = 90.
VARIABLE LABELS FedOther_16 "Age in months when first fed other food".
VALUE LABELS FedOther_16
1 "Earlier than 6 months"
2 "6 months or after or never fed other food"
99 "Missing"
90 "Children age 6-17 years".
```

\*\*Indicator 1.3a: Exclusively breastfed, age 6 months-5 years

```
COMPUTE ExBrstFd_16 = 4.
IF BrstStop_16 = 2 and FedForm_16 = 2 and FedOther_16 = 2 ExBrstFd_16 = 2.
IF BrstStop_16 = 1 or FedForm_16 = 1 or FedOther_16 = 1 ExBrstFd_16 = 3.
IF K6Q40 = 2 ExBrstFd_16 = 1.
IF (SYSMIS(K6Q40)) ExBrstFd_16 = 99.
IF SC_AGE_LT6 = 1 ExBrstFd_16 = 95.
IF SC_AGE_YEARS > 5 ExBrstFd_16 = 90.
VARIABLE LABELS ExBrstFd_16 "Indicator 1.3a: Exclusively breastfed or given breast milk for first 6 months, age 6 months-5 years".
VALUE LABELS ExBrstFd_16
1 "Never breastfed or given breast milk"
2 "Exclusively breastfed for first 6 months"
3 "Breastfed, NOT exclusively for first 6 months"
4 "Breastfed, exclusivity not known"
99 "Missing"
95 "Children less than 6 months"
90 "Children age 6-17 years".
MISSING VALUES ExBrstFd_16(90,95,99).
```

Indicator 1.4	Weight status (BMI) in 4 categories, age 10-17 years
Description	What is the weight status of the child based on Body Mass Index (BMI)-for-age?
Survey Items Used	Survey instrument item number for children 0-5 years: C5,C4; for children 6-11 years: C5,C4; for children 12-17 years: C6,C5 Variable name in public use file: BMICLASS
Denominator	Children age 10-17 years
Numerator	Children underweight (less than 5th percentile); children with healthy weight (5th to 84th percentile); overweight children (85th to 94th percentile); obese children (95th percentile or above)
<b>Notes for Data-Users</b>	
<p>Assessment of body mass index in children and teenagers is approached differently than for adults. Because growth patterns differ, BMI in youth is age and gender specific.</p> <p>BMI-for-age categories are: Underweight - Less than the 5th percentile; Healthy weight - 5th percentile to less than the 85th percentile; Overweight - 85th to less than the 95th percentile; Obese - Equal to or greater than the 95th percentile. Additional information about BMI-for-age is available from the <a href="#">CDC website</a>.</p> <p>The child's age in months is used to calculate BMI-for-age. However, since the NSCH reports age only in years, all children were assumed to be at the midpoint of their age-year for this calculation.</p> <p>In the NSCH, BMI is based on parents' recollection of the selected child's height and weight. Responses to these questions about child's current height and weight were not independently verified (e.g., measurement, health records, etc.). A study comparing parent-reported height and weight estimates from the 2003 NSCH with results of physical measurement from the National Health and Nutrition Examination Survey (NHANES) revealed that parents typically overestimate height and underestimate weight of children younger than 10 years of age. (Lara J. Akinbami, Cynthia L. Ogden. (2009) Childhood Overweight Prevalence in the United States: The Impact of Parent-reported Height and Weight. <i>Obesity</i> 17:1574-1580), therefore BMI for children under 10 years of age is not reported in this measure.</p>	
<b>Revisions in 2016</b>	
<p>There were changes to the wording of this question. For more information about the changes, <a href="#">click here</a>. Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BMI4_16 = BMICLASS. IF (SYSMIS(BMICLASS)) BMI4_16 = 99. IF SC_AGE_YEARS &lt; 10 BMI4_16 = 90. VARIABLE LABELS BMI4_16 "Indicator 1.4: Weight status of children based on Body Mass Index for age - 4 categories, 10-17 years". VALUE LABELS BMI4_16 1 "Underweight (less than 5th percentile)" 2 "Healthy weight (5th to 84th percentile)" 3 "Overweight (85th to 94th percentile)" </pre>	

**Child and Family Health Measures – Physical, Oral Health and Functional Status**

4 "Obese (95th percentile or above)"

99 "Missing"

90 "Children age 0-9 years".

MISSING VALUES BMI4\_16(90,99).

EXECUTE.

Indicator 1.4a	Weight status (BMI) in 3 categories, age 10-17 years
Description	Is this child currently overweight or obese, based on Body Mass Index (BMI)-for-age?
Survey Items Used	Survey instrument item number for children 0-5 years: C5,C4; for children 6-11 years: C5,C4; for children 12-17 years: C6,C5 Variable in public use file: BMICLASS
Denominator	Children age 10-17 years
Numerator	Children underweight (less than 5th percentile); Children with healthy weight (5th to 84th percentile); Overweight or obese children (85th or above)

#### Notes for Data-Users

Assessment of body mass index in children and teenagers is approached differently than for adults. Because growth patterns differ, BMI in youth is age and gender specific.

BMI-for-age categories are: Underweight - Less than the 5th percentile; Healthy weight - 5th percentile to less than the 85th percentile; Overweight - 85th to less than the 95th percentile; Obese - Equal to or greater than the 95th percentile. Additional information about BMI-for-age is available from the [CDC website](#).

The child's age in months is used to calculate BMI-for-age. However, since the NSCH reports age only in years, all children were assumed to be at the midpoint of their age-year for this calculation.

In the NSCH, BMI is based on parents' recollection of the selected child's height and weight. Responses to these questions about child's current height and weight were not independently verified (e.g., measurement, health records, etc.). A study comparing parent-reported height and weight estimates from the 2003 NSCH with results of physical measurement from the National Health and Nutrition Examination Survey (NHANES) revealed that parents typically overestimate height and underestimate weight of children younger than 10 years of age. (Lara J. Akinbami, Cynthia L. Ogden. (2009) Childhood Overweight Prevalence in the United States: The Impact of Parent-reported Height and Weight. *Obesity* 17:1574-1580), therefore BMI for children under 10 years of age is not reported in this measure.

#### Revisions in 2016

There were changes to the wording of this question. For more information about the changes, [click here](#). Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

COMPUTE BMI3_16 = 999.
IF BMICLASS = 1 BMI3_16 = 1.
IF BMICLASS = 2 BMI3_16 = 2.
IF BMICLASS = 3 or BMICLASS = 4 BMI3_16 = 3.
IF (SYSMIS(BMICLASS)) BMI3_16 = 99.
IF SC_AGE_YEARS < 10 BMI3_16 = 90.
VARIABLE LABELS BMI3_16 "Indicator 1.4a: Weight status of children based on Body Mass Index for age - 3 categories, 10-17 years".
VALUE LABELS BMI3_16

```

### Child and Family Health Measures – Physical, Oral Health and Functional Status

1 "Underweight (less than 5th percentile)"  
2 "Healthy weight (5th to 84th percentile)"  
3 "Overweight or obese (85th percentile or above)"  
99 "Missing"  
90 "Children age 0-9 years".  
MISSING VALUES BMI3\_16(90,99).  
EXECUTE.

Indicator 1.5	Physical activity, age 6-17 years
Description	During the past week, on how many days did this child exercise, play a sport, or participate in physical activity for at least 60 minutes?
Survey Items Used	Survey instrument item number: for children 6-11 years: G6; for children 12-17 years: G6 Variable in public use data file: PHYSACTIV
Denominator	Children age 6-17 years
Numerator	Children who exercise, play a sport, or participate in physical activity for at least 60 minutes 0 days; Children who exercise, play a sport, or participate in physical activity for at least 60 minutes 1-3 days; Children who exercise, play a sport, or participate in physical activity for at least 60 minutes 4-6 days; Children who exercise, play a sport, or participate in physical activity for at least 60 minutes everyday
<b>Notes for Data-Users</b>	
This question is asked for children between 6 and 17 years of age.	
<b>Revisions in 2016</b>	
The 2011/12 NSCH asked if a child regularly completed 20 minutes/day of physical activity. The 2016 NSCH asks if a child regularly completes 60 minutes/day of physical activity, reflecting National Performance Measure #8. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. In the 2016 NSCH, response options are reported in number of days.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE PHYSACTIV (SYMMIS=99) (else=copy) into PhysAct_16. IF SC_AGE_YEARS &lt; 6 PhysAct_16 = 90. VARIABLE LABELS PhysAct_16 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_16 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_16(90,99). FORMATS PhysAct_16(f2.0). EXECUTE. </pre>	

Indicator 1.6	Concerns about weight
Description	Are you concerned about this child's weight?
Survey Items Used	Survey instrument item number for children 0-5 years: C6; for children 6-11 years: C6; for children 12-17 years: C7 Variable in public use data file: WGTCONC
Denominator	Children age 0-17 years
Numerator	Children whose parents have a concern that their children's weight is too high; Children whose parents have a concern that their children's weight is too low; Children whose parents do not have concerns about their children's weight
Notes for Data-Users	This measure was derived from a single item.
Revisions in 2016	This item is new in the 2016 NSCH.
SPSS Syntax and Annotation	<pre> RECODE WGTCONC (SYSMIS=99) (else=copy) into WgtConcn_16. VARIABLE LABELS WgtConcn_16 "Indicator 1.6: Parental concern about their children's weight". VALUE LABELS WgtConcn_16 1 "Yes, concerned it is too high" 2 "Yes, concerned it is too low" 3 "No, not concerned" 99 "Missing". MISSING VALUES WgtConcn_16(99). FORMATS WgtConcn_16(f2.0). EXECUTE. </pre>

Indicator 1.7	Low birth weight
Description	Was this child born with a low birth weight, that is, he or she weighed less than 2500 grams at birth?
Survey Items Used	Survey instrument item number for children 0-5 years: B2; for children 6-11 years: B2; for children 12-17 years: B2 Variable in public use data file: BIRTHWT_L
Denominator	Children age 0-17 years
Numerator	Children who were born with a low birth weight (2500 grams or less); Children who were not born with a low birth weight
<b>Notes for Data-Users</b>	
<p>The public use data file provided by the Census Bureau includes several variables indicating the child's birth weight status: BIRTHWT_OZ_S, BIRTHWT, BIRTHWT_VL and BIRTHWT_L. The detailed birth weight in ounces is available in the standardized variable BIRTHWT_OZ_S.</p> <p>The variable BIRTHWT categorizes children's birth weight into three categories: very low birth weight, low birth weight, and not low birth weight.</p> <p>BIRTHWT_VL and BIRTHWT_L variables are binary variables defining whether the child was born with low or very low birth weight.</p>	
<b>Revisions in 2016</b>	
<p>There were changes to the wording of this question. For more information about the question changes, <a href="#">click here</a>. Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE BIRTHWT_L (SYMSIS=99) (else=copy) into LowBWght_16. VARIABLE LABELS LowBWght_16 "Indicator 1.7: Children who had a low birth weight, that is they weighed less than 2500 grams when they were born". VALUE LABELS LowBWght_16 1 "Child was born with low birth weight (&lt;2500g)" 2 "Child had normal birth weight" 99 "Missing". MISSING VALUES LowBWght_16(999). EXECUTE. </pre>	

<b>Indicator 1.7a</b>	<b>Low or very low birth weight</b>
<b>Description</b>	Was this child born with a low birth weight, that is, he or she weighed less than 2500 grams at birth, or a very low birth weight, that is, less than 1500 grams?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: B2; for children 6-11 years: B2; for children 12-17 years: B2 Variable in public use data file: BIRTHWT
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children who were born with a very low birth weight (less than 1500 grams); Children who were born with a low birth weight (1500-2500 grams); Children who were not born with a low birth weight

#### Notes for Data-Users

The public use data file provided by the Census Bureau includes several variables indicating the child's birth weight status: BIRTHWT\_OZ\_S, BIRTHWT, BIRTHWT\_VL and BIRTHWT\_L. The detailed birth weight in ounces is available in the standardized variable BIRTHWT\_OZ\_S.

The variable BIRTHWT categorizes children's birth weight into three categories: very low birth weight, low birth weight, and not low birth weight.

BIRTHWT\_VL and BIRTHWT\_L variables are binary variables defining whether the child was born with low or very low birth weight.

#### Rewrites in 2016

There were changes to the wording of this question. For more information about the changes, [click here](#). Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

RECODE BIRTHWT

(1=1) (2=2) (3=3) (SYSMIS=99) into VeryLBWght\_16.

VARIABLE LABELS VeryLBWght\_16 "Indicator 1.7a: Children who had a very low birth weight, that is they weighed less than 1500 grams when they were born".

VALUE LABELS VeryLBWght\_16

1 "Child was born with very low birth weight (<1500g)"

2 "Child was born with low birth weight (1501-2500g)"

3 "Did not have low birth weight"

99 "Missing".

MISSING VALUES VeryLBWght\_16(99).

EXECUTE.

<b>Indicator 1.8</b>	Premature birth
<b>Description</b>	Was this child born more than 3 weeks before his or her due date?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: B1; for children 6-11 years: B1; for children 12-17 years: B1 Variable in public use data file: K2Q05
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children who were born premature (more than 3 weeks before their due date); Children who were not born premature
<b>Notes for Data-Users</b>	
The measure was derived from a single item.	
<b>Revisions in 2016</b>	
There were changes to the wording of this question. For more information about the question changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q05 (SYSMIS=99) (else=copy) into BornPre_16. VARIABLE LABELS BornPre_16 "Indicator 1.8: Children who were born premature, that is more than 3 weeks before their due date". VALUE LABELS BornPre_16 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES BornPre_16(99). EXECUTE. </pre>	

Indicator 1.9	One or more health conditions
Description	Does this child currently have one or more health conditions from a list of 26 (27 for children age 6-17 years) conditions?
Survey Items Used	Survey instrument item number for children 0-5 years: A5, A6-A28, A33; for children 6-11 years: A5d,e, A6-A29, A34; for children 12-17 years: A5e,f, A6-A29, A34
Denominator	Children age 0-17 years
Numerator	Children who do not have current health conditions; Children with one current health condition; Children with two or more current health conditions
<b>Notes for Data-Users</b>	
<p>This measure was derived from responses to two questions about each of 27 health conditions: allergies (food, drug, insect or other), arthritis, asthma, blood disorders (such as sickle cell disease, thalassemia, or hemophilia), brain injury/concussion/head injury, cerebral palsy, cystic fibrosis, diabetes, Down Syndrome, epilepsy or seizure disorder, genetic or inherited condition, heart condition, frequent or severe headaches including migraine (age 3-17 years), Tourette Syndrome (age 3-17 years), anxiety problems (3-17 years), depression (3-17 years), behavioral and conduct problem (3-17 years), substance abuse disorder (6-17 years), developmental delay (3-17 years), intellectual disability (3-17 years), speech or other language disorder (3-17 years), learning disability (also known as mental retardation) (3-17 years), other mental health condition (3-17 years), Autism or Autism Spectrum Disorder (ASD) (3-17 years), Attention Deficit Disorder or Attention-Deficit/Hyperactivity Disorder (ADD or ADHD) (3-17 years), hearing problems, and vision problems. For each condition (except hearing and vision problems), respondents were asked whether they have ever been told by a health care professional that the child has the condition, and whether the child currently has the condition. Children were then grouped according to the number of conditions they currently have: none, one, or two or more.</p> <p>Please note that in the NSCH, all information about children's health conditions is based on parent recollection and is not independently verified. Further, a response of "Yes" to having "ever been told" that a child has a specific health condition DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p>	
<b>Rewrites in 2016</b>	
<p>There were 18 conditions in the 2011/12 NSCH composite measure, compared to the 27 conditions currently in the 2016 NSCH composite measure. In the 2016 NSCH, allergies (including food, drug, insect or other); blood disorders; cystic fibrosis; Down syndrome; genetic or inherited condition; heart condition; frequent or severe headaches including migraine; substance abuse; and other mental health problems were added. The questions about arthritis were asked as bone or joint problems in the 2011/12 NSCH.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE allergies_16 = 999. IF (SYSMIS(ALLERGIES)) or (SYSMIS(ALLERGIES_CURR)) allergies_16 = 99. IF ALLERGIES = 2 allergies_16 = 1. IF ALLERGIES = 1 and ALLERGIES_CURR = 2 allergies_16 = 2. IF ALLERGIES = 1 and ALLERGIES_CURR = 1 allergies_16 = 3. </pre>	

VARIABLE LABELS allergies\_16 "Children currently have allergies including food, drug, insect, or other".

VALUE LABELS allergies\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE arthritis\_16 = 999.

IF (SYSMIS(ARTHRITIS)) or (SYSMIS(ARTHRITIS\_CURR)) arthritis\_16 = 99.

IF ARTHRITIS = 2 arthritis\_16 = 1.

IF ARTHRITIS = 1 and ARTHRITIS\_CURR = 2 arthritis\_16 = 2.

IF ARTHRITIS = 1 and ARTHRITIS\_CURR = 1 arthritis\_16 = 3.

VARIABLE LABELS arthritis\_16 "Children currently have arthritis".

VALUE LABELS arthritis\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE asthma\_16 = 99.

IF (SYSMIS(K2Q40A)) or (SYSMIS(K2Q40B)) asthma\_16 = 99.

IF K2Q40A = 2 asthma\_16 = 1.

IF K2Q40A = 1 and K2Q40B = 2 asthma\_16 = 2.

IF K2Q40A = 1 and K2Q40B = 1 asthma\_16 = 3.

VARIABLE LABELS asthma\_16 "Children currently have asthma".

VALUE LABELS asthma\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE blood\_16 = 999.

IF (SYSMIS(BLOOD)) or (SYSMIS(BLOOD\_CURR)) blood\_16 = 99.

IF BLOOD = 2 blood\_16 = 1.

IF BLOOD = 1 and BLOOD\_CURR = 2 blood\_16 = 2.

IF BLOOD = 1 and BLOOD\_CURR = 1 blood\_16 = 3.

VARIABLE LABELS blood\_16 "Children currently have blood disorders such as sickle cell disease, thalassemia, or hemophilia".

VALUE LABELS blood\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE BrainInj\_16 = 999.

IF (SYSMIS(K2Q46A)) or (SYSMIS(K2Q46B)) BrainInj\_16 = 99.

IF K2Q46A = 2 BrainInj\_16 = 1.

IF K2Q46A = 1 and K2Q46B = 2 BrainInj\_16 = 2.

IF K2Q46A = 1 and K2Q46B = 1 BrainInj\_16 = 3.

VARIABLE LABELS BrainInj\_16 "Children currently have a brain injury or concussion".

VALUE LABELS BrainInj\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE palsy\_16 = 999.

IF (SYSMIS(K2Q61A)) or (SYSMIS(K2Q61B)) palsy\_16 = 99.

IF K2Q61A = 2 palsy\_16 = 1.

IF K2Q61A = 1 and K2Q61B = 2 palsy\_16 = 2.

IF K2Q61A = 1 and K2Q61B = 1 palsy\_16 = 3.

VARIABLE LABELS palsy\_16 "Children currently have cerebral palsy".

VALUE LABELS palsy\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE CystFib\_16 = 999.

IF (SYSMIS(CYSTFIB)) or (SYSMIS(CYSTFIB\_CURR)) CystFib\_16 = 99.

IF CYSTFIB = 2 CystFib\_16 = 1.

IF CYSTFIB = 1 and CYSTFIB\_CURR = 2 CystFib\_16 = 2.

IF CYSTFIB = 1 and CYSTFIB\_CURR = 1 CystFib\_16 = 3.

VARIABLE LABELS CystFib\_16 "Children currently have cystic fibrosis".

VALUE LABELS CystFib\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE diabetes\_16 = 999.

IF (SYSMIS(K2Q41A)) or (SYSMIS(K2Q41B)) diabetes\_16 = 99.

IF K2Q41A = 2 diabetes\_16 = 1.

IF K2Q41A = 1 and K2Q41B = 2 diabetes\_16 = 2.

IF K2Q41A = 1 and K2Q41B = 1 diabetes\_16 = 3.

VARIABLE LABELS diabetes\_16 "Children currently have diabetes".

VALUE LABELS diabetes\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE DownSynd\_16 = 999.

IF (SYSMIS(DOWNSYN)) or (SYSMIS(DOWNSYN\_CURR)) DownSynd\_16 = 99.

IF DOWNSYN = 2 DownSynd\_16 = 1.

IF DOWNSYN = 1 and DOWNSYN\_CURR = 2 DownSynd\_16 = 2.

IF DOWNSYN = 1 and DOWNSYN\_CURR = 1 DownSynd\_16 = 3.

VARIABLE LABELS DownSynd\_16 "Children currently have Down Syndrome".

VALUE LABELS DownSynd\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing".

COMPUTE seizure\_16 = 999.

IF (SYSMIS(K2Q42A)) or (SYSMIS(K2Q42B)) seizure\_16 = 99.

```

IF K2Q42A = 2 seizure_16 = 1.
IF K2Q42A = 1 and K2Q42B = 2 seizure_16 = 2.
IF K2Q42A = 1 and K2Q42B = 1 seizure_16 = 3.
VARIABLE LABELS seizure_16 "Children currently have epilepsy or seizure disorder".
VALUE LABELS seizure_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE genetic_16 = 999.
IF (SYSMIS(GENETIC)) or (SYSMIS(GENETIC_CURR)) genetic_16 = 99.
IF GENETIC = 2 genetic_16 = 1.
IF GENETIC = 1 and GENETIC_CURR = 2 genetic_16 = 2.
IF GENETIC = 1 and GENETIC_CURR = 1 genetic_16 = 3.
VARIABLE LABELS genetic_16 "Children currently have a genetic or inherited condition".
VALUE LABELS genetic_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE heart_16 = 999.
IF (SYSMIS(HEART)) or (SYSMIS(HEART_CURR)) heart_16 = 99.
IF HEART = 2 heart_16 = 1.
IF HEART = 1 and HEART_CURR = 2 heart_16 = 2.
IF HEART = 1 and HEART_CURR = 1 heart_16 = 3.
VARIABLE LABELS heart_16 "Children currently have a heart condition".
VALUE LABELS heart_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE headache_16 = 999.
IF (SYSMIS(HEADACHE)) or (SYSMIS(HEADACHE_CURR)) headache_16 = 99.
IF HEADACHE = 2 headache_16 = 1.
IF HEADACHE = 1 and HEADACHE_CURR = 2 headache_16 = 2.
IF HEADACHE = 1 and HEADACHE_CURR = 1 headache_16 = 3.
IF SC_AGE_YEARS < 3 headache_16 = 95.
VARIABLE LABELS headache_16 "Children currently have frequent severe headache, including migraine, age 3-17 years".
VALUE LABELS headache_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

COMPUTE tourette_16 = 999.
IF (SYSMIS(K2Q38A)) or (SYSMIS(K2Q38B)) tourette_16 = 99.
IF K2Q38A = 2 tourette_16 = 1.
IF K2Q38A = 1 and K2Q38B = 2 tourette_16 = 2.

```

```

IF K2Q38A = 1 and K2Q38B = 1 tourette_16 = 3.
IF SC_AGE_YEARS < 3 tourette_16 = 95.
VARIABLE LABELS tourette_16 "Children currently have Tourette Syndrome, age 3-17 years".
VALUE LABELS tourette_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

COMPUTE anxiety_16 = 999.
IF (SYSMIS(K2Q33A)) or (SYSMIS(K2Q33B)) anxiety_16 = 99.
IF K2Q33A = 2 anxiety_16 = 1.
IF K2Q33A = 1 and K2Q33B = 2 anxiety_16 = 2.
IF K2Q33A = 1 and K2Q33B = 1 anxiety_16 = 3.
IF SC_AGE_YEARS < 3 anxiety_16 = 95.
VARIABLE LABELS anxiety_16 "Children currently have anxiety problems, age 3-17 years".
VALUE LABELS anxiety_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

COMPUTE depress_16 = 999.
IF (SYSMIS(K2Q32A)) or (SYSMIS(K2Q32B)) depress_16 = 99.
IF K2Q32A = 2 depress_16 = 1.
IF K2Q32A = 1 and K2Q32B = 2 depress_16 = 2.
IF K2Q32A = 1 and K2Q32B = 1 depress_16 = 3.
IF SC_AGE_YEARS < 3 depress_16 = 95.
VARIABLE LABELS depress_16 "Children currently have depression, age 3-17 years".
VALUE LABELS depress_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

COMPUTE behavior_16 = 999.
IF (SYSMIS(K2Q34A)) or (SYSMIS(K2Q34B)) behavior_16 = 99.
IF K2Q34A = 2 behavior_16 = 1.
IF K2Q34A = 1 and K2Q34B = 2 behavior_16 = 2.
IF K2Q34A = 1 and K2Q34B = 1 behavior_16 = 3.
IF SC_AGE_YEARS < 3 behavior_16 = 95.
VARIABLE LABELS behavior_16 "Children currently have behavioral or conduct problems, age 3-17 years".
VALUE LABELS behavior_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

```

```

COMPUTE SubAbuse_16 = 999.
IF (SYSMIS(SUBABUSE)) or (SYSMIS(SUBABUSE_CURR)) SubAbuse_16 = 99.
IF SUBABUSE = 2 SubAbuse_16 = 1.
IF SUBABUSE = 1 and SUBABUSE_CURR = 2 SubAbuse_16 = 2.
IF SUBABUSE = 1 and SUBABUSE_CURR = 1 SubAbuse_16 = 3.
IF SC_AGE_YEARS < 6 SubAbuse_16 = 95.
VARIABLE LABELS SubAbuse_16 "Children currently have substance abuse disorder, age 6-17 years".
VALUE LABELS SubAbuse_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-5 years".

COMPUTE DevDelay_16 = 999.
IF (SYSMIS(K2Q36A)) or (SYSMIS(K2Q36B)) DevDelay_16 = 99.
IF K2Q36A = 2 DevDelay_16 = 1.
IF K2Q36A = 1 and K2Q36B = 2 DevDelay_16 = 2.
IF K2Q36A = 1 and K2Q36B = 1 DevDelay_16 = 3.
IF SC_AGE_YEARS < 3 DevDelay_16 = 95.
VARIABLE LABELS DevDelay_16 "Children currently have any developmental delay, age 3-17 years".
VALUE LABELS DevDelay_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

COMPUTE IntDisab_16 = 999.
IF (SYSMIS(K2Q60A)) or (SYSMIS(K2Q60B)) IntDisab_16 = 99.
IF K2Q60A = 2 IntDisab_16 = 1.
IF K2Q60A = 1 and K2Q60B = 2 IntDisab_16 = 2.
IF K2Q60A = 1 and K2Q60B = 1 IntDisab_16 = 3.
IF SC_AGE_YEARS < 3 IntDisab_16 = 95.
VARIABLE LABELS IntDisab_16 "Children currently have intellectual disability or mental retardation, age 3-17 years".
VALUE LABELS intdisab_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

COMPUTE speech_16 = 999.
IF (SYSMIS(K2Q37A)) or (SYSMIS(K2Q37B)) speech_16 = 99.
IF K2Q37A = 2 speech_16 = 1.
IF K2Q37A = 1 and K2Q37B = 2 speech_16 = 2.
IF K2Q37A = 1 and K2Q37B = 1 speech_16 = 3.
IF SC_AGE_YEARS < 3 speech_16 = 95.
VARIABLE LABELS speech_16 "Children currently have any stuttering, stammering, or other speech problems, age 3-17 years".
VALUE LABELS speech_16
1 "Do not have condition"

```

2 "Ever told, but do not currently have condition"  
 3 "Currently have condition"  
 99 "Missing"  
 95 "Children age 0-2 years".

COMPUTE learning\_16 = 999.  
 IF (SYSMIS(K2Q30A)) or (SYSMIS(K2Q30B)) learning\_16 = 99.  
 IF K2Q30A = 2 learning\_16 = 1.  
 IF K2Q30A = 1 and K2Q30B = 2 learning\_16 = 2.  
 IF K2Q30A = 1 and K2Q30B = 1 learning\_16 = 3.  
 IF SC\_AGE\_YEARS < 3 learning\_16 = 95.

VARIABLE LABELS learning\_16 "Children currently have a learning disability, age 3-17 years".  
 VALUE LABELS learning\_16  
 1 "Do not have condition"  
 2 "Ever told, but do not currently have condition"  
 3 "Currently have condition"  
 99 "Missing"  
 95 "Children age 0-2 years".

COMPUTE OthrMent\_16 = 999.  
 IF (SYSMIS(ANYOTHER)) or (SYSMIS(ANYOTHER\_CURR)) OthrMent\_16 = 99.  
 IF ANYOTHER = 2 OthrMent\_16 = 1.  
 IF ANYOTHER = 1 and ANYOTHER\_CURR = 2 OthrMent\_16 = 2.  
 IF ANYOTHER = 1 and ANYOTHER\_CURR = 1 OthrMent\_16 = 3.  
 IF SC\_AGE\_YEARS < 3 OthrMent\_16 = 95.  
 VARIABLE LABELS OthrMent\_16 "Children currently have any other mental health condition, age 3-17 years".  
 VALUE LABELS OthrMent\_16  
 1 "Do not have condition"  
 2 "Ever told, but do not currently have condition"  
 3 "Currently have condition"  
 99 "Missing"  
 95 "Children age 0-2 years".

COMPUTE autism\_16 = 999.  
 IF (SYSMIS(K2Q35A)) or (SYSMIS(K2Q35B)) autism\_16 = 99.  
 IF K2Q35A = 2 autism\_16 = 1.  
 IF K2Q35A = 1 and K2Q35B = 2 autism\_16 = 2.  
 IF K2Q35A = 1 and K2Q35B = 1 autism\_16 = 3.  
 IF SC\_AGE\_YEARS < 3 autism\_16 = 95.  
 VARIABLE LABELS autism\_16 "Children currently have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder, age 3-17 years".  
 VALUE LABELS autism\_16  
 1 "Do not have condition"  
 2 "Ever told, but do not currently have condition"  
 3 "Currently have condition"  
 99 "Missing"  
 95 "Children age 0-2 years".

COMPUTE ADHD\_16 = 999.  
 IF (SYSMIS(K2Q31A)) or (SYSMIS(K2Q31B)) ADHD\_16 = 99.  
 IF K2Q31A = 2 ADHD\_16 = 1.  
 IF K2Q31A = 1 and K2Q31B = 2 ADHD\_16 = 2.

```

IF K2Q31A = 1 and K2Q31B = 1 ADHD_16 = 3.
IF SC_AGE_YEARS < 3 ADHD_16 = 95.
VARIABLE LABELS ADHD_16 "Children currently have ADD or ADHD, age 3-17 years".
VALUE LABELS ADHD_16
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing"
95 "Children age 0-2 years".

RECODE K2Q43B
(SYSMIS=99) (else=copy) into hearing_16.
VARIABLE LABELS hearing_16 "Children who have deafness or problems with hearing".
VALUE LABELS hearing_16
1 "Yes"
2 "No"
99 "Missing".
MISSING VALUES hearing_16(99).

RECODE BLINDNESS
(SYSMIS=99) (else=copy) into vision_16.
VARIABLE LABELS vision_16 "Children who have blindness or problems with seeing, even when wearing glasses".
VALUE LABELS vision_16
1 "Yes"
2 "No"
99 "Missing".
MISSING VALUES vision_16(99).

MISSING VALUES allergies_16 arthritis_16 asthma_16 blood_16 BrainInj_16 palsy_16 CystFib_16
diabetes_16 DownSynd_16 seizure_16 genetic_16 heart_16 headache_16 tourette_16 anxiety_16
depress_16 behavior_16 DevDelay_16 intdisab_16 speech_16 learning_16 OthrMent_16 autism_16
ADHD_16 subabuse_16 hearing_16 vision_16().

**All 27 conditions including vision and hearing problem, substance abuse for children 6-17 years

COUNT CondCnt27_16 = allergies_16 arthritis_16 asthma_16 blood_16 BrainInj_16 palsy_16 CystFib_16
diabetes_16 DownSynd_16 seizure_16 genetic_16 heart_16 headache_16 tourette_16 anxiety_16
depress_16 behavior_16 DevDelay_16 intdisab_16 speech_16 learning_16 OthrMent_16 autism_16
ADHD_16 subabuse_16(3).
IF hearing_16 = 1 CondCnt27_16 = CondCnt27_16 + 1.
IF vision_16 = 1 CondCnt27_16 = CondCnt27_16 + 1.
IF allergies_16=99 and arthritis_16=99 and asthma_16=99 and blood_16=99 and BrainInj_16=99 and
palsy_16=99 and CystFib_16=99 and diabetes_16=99 and DownSynd_16=99 and seizure_16=99 and
genetic_16=99 and heart_16=99 and headache_16=99 and tourette_16>=95 and anxiety_16>=95 and
depress_16>=95 and behavior_16>=95 and DevDelay_16>=95 and intdisab_16>=95 and speech_16>=95
and learning_16>=95 and OthrMent_16=99 and autism_16>=95 and ADHD_16>=95 and
hearing_16=99 and vision_16=99 and subabuse_16=99 CondCnt27_16=99.
VARIABLE LABELS CondCnt27_16 "Number of CURRENT health conditions reported from a list of 27".

COMPUTE Cond2more27_16 = 999.
IF CondCnt27_16 = 0 Cond2more27_16 = 1.
IF CondCnt27_16 = 1 Cond2more27_16 = 2.

```

**Child and Family Health Measures – Physical, Oral Health and Functional Status**

```
IF CondCnt27_16 >= 2 Cond2more27_16 = 3.  
IF CondCnt27_16=99 Cond2more27_16 = 99.  
VARIABLE LABELS Cond2more27_16 "Indicator 1.9: Children with one or more current health conditions  
out of 27 conditions".  
VALUE LABELS Cond2more27_16  
1 "Do not have any current health conditions"  
2 "Currently have 1 health condition"  
3 "Currently have 2 or more health conditions"  
99 "Missing to all".  
MISSING VALUES Cond2more27_16(99).  
EXECUTE.
```

Indicator 1.9a	Severity of current condition
Description	How severe are this child's conditions, if the child currently has conditions, from a list of 24 conditions? -- list of 24 conditions
Survey Items Used	Survey instrument item number for children 0-5 years: A6-A28, A33; for children 6-11 years: A6-A29, A34; for children 12-17 years: A6-A29, A34
Denominator	Children age 0-17 years
Numerator	Children who do not currently have condition; Children whose current conditions rated as mild; Children whose current conditions rated as moderate or severe"

#### Notes for Data-Users

The variables for each conditions were derived from responses to three questions about each of 24 health conditions: allergies (food, drug, insect or other), arthritis, asthma, blood disorders (such as sickle cell disease, thalassemia, or hemophilia), brain injury/concussion/head injury, cerebral palsy, diabetes, Down Syndrome, epilepsy or seizure disorder, genetic or inherited condition, heart condition, frequent or severe headaches including migraine (3-17 years), Tourette Syndrome (3-17 years), anxiety problems (3-17 years), depression (3-17 years), behavioral and conduct problem (3-17 years), substance abuse disorder (6-17 years), developmental delay (3-17 years), intellectual disability (3-17 years), speech or other language disorder (3-17 years), learning disability (also known as mental retardation) (3-17 years), other mental health condition (3-17 years), Autism or Autism Spectrum Disorder (ASD) (3-17 years), and Attention Deficit Disorder or Attention-Deficit/Hyperactivity Disorder (ADD or ADHD) (3-17 years). For each condition, respondents were asked whether they have ever been told by a health care professional that the child has the condition, whether the child currently has the condition, and whether the current condition is mild, moderate or severe. Severity of cystic fibrosis is not released in the public use file due to small sample size.

Please note that in the NSCH, all information about children's health conditions is based on parent recollection and is not independently verified.

#### Rewvisions in 2016

In the 2016 NSCH, allergies (including food, drug, insect or other); blood disorders; cystic fibrosis; Down syndrome; genetic or inherited condition; heart condition; frequent or severe headaches including migraine; substance abuse; and other mental health problems were added. The questions about arthritis were asked as bone or joint problems in the 2011/12 NSCH.

Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SAS Syntax and Annotation

```
MISSING VALUES allergies_16 arthritis_16 asthma_16 blood_16 BrainInj_16 palsy_16 CystFib_16
diabetes_16 DownSynd_16 seizure_16
genetic_16 heart_16 headache_16 tourette_16 anxiety_16 depress_16 behavior_16 devdelay_16
intdisab_16 speech_16
learning_16 OthrMent_16 autism_16 ADHD_16().
```

```
COMPUTE AllerSev_16 =999.
```

```
IF ALLERGIES_DESC = 1 AllerSev_16 = 2.
```

```
IF ALLERGIES_DESC=2 or ALLERGIES_DESC=3 AllerSev_16 = 3.
```

```
IF SYSMIS(ALLERGIES_DESC) AllerSev_16 = 99.
```

```

IF allergies_16 = 1 or allergies_16 = 2 AllerSev_16 = 1.
IF allergies_16 = 99 AllerSev_16 = 99.
VARIABLE LABELS AllerSev_16 "Parent-rated severity of current allergies including food, drug, insect, or other".
VALUE LABELS AllerSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES AllerSev_16(99).

COMPUTE ArthrSev_16 = 999.
IF ARTHRITIS_DESC = 1 ArthrSev_16 = 2.
IF ARTHRITIS_DESC =2 or ARTHRITIS_DESC=3 ArthrSev_16 = 3.
IF (SYSMIS(ARTHRITIS_DESC)) ArthrSev_16 = 99.
IF arthritis_16 = 1 or arthritis_16 = 2 ArthrSev_16 = 1.
IF arthritis_16 = 99 ArthrSev_16 = 99.
VARIABLE LABELS ArthrSev_16 "Parent-rated severity of current arthritis".
VALUE LABELS ArthrSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES ArthrSev_16(99).

COMPUTE AsthmSev_16 = 999.
IF K2Q40C = 1 AsthmSev_16 = 2.
IF K2Q40C =2 or K2Q40C=3 AsthmSev_16 = 3.
IF (SYSMIS(K2Q40C)) AsthmSev_16 = 99.
IF asthma_16 = 1 or asthma_16 = 2 AsthmSev_16 = 1.
IF asthma_16 = 99 AsthmSev_16 = 99.
VARIABLE LABELS AsthmSev_16 "Parent-rated severity of current asthma".
VALUE LABELS AsthmSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES AsthmSev_16(99).

COMPUTE BloodSev_16 = 999.
IF BLOOD_DESC = 1 BloodSev_16 = 2.
IF BLOOD_DESC =2 or BLOOD_DESC=3 BloodSev_16 = 3.
IF (SYSMIS(BLOOD_DESC)) BloodSev_16 = 99.
IF blood_16 = 1 or blood_16 = 2 BloodSev_16 = 1.
IF blood_16 = 99 BloodSev_16 = 99.
VARIABLE LABELS BloodSev_16 "Parent-rated severity of current blood disorders (such as sickle cell disease, thalassemia, or hemophilia)".
VALUE LABELS BloodSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES BloodSev_16(99).

COMPUTE BrainSev_16 = 999.
IF K2Q46C = 1 BrainSev_16 = 2.
IF K2Q46C =2 or K2Q46C=3 BrainSev_16 = 3.
IF (SYSMIS(K2Q46C)) BrainSev_16 = 99.

```

```

IF BrainInj_16 = 1 or BrainInj_16 = 2 BrainSev_16 = 1.
IF BrainInj_16 = 99 BrainSev_16 = 99.
VARIABLE LABELS BrainSev_16 "Parent-rated severity of current brain injury, concussion, or head injury".
VALUE LABELS BrainSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES BrainSev_16(99).

COMPUTE PalsySev_16 = 999.
IF CERPALS_DESC = 1 PalsySev_16 = 2.
IF CERPALS_DESC = 2 or CERPALS_DESC=3 PalsySev_16 = 3.
IF (SYSMIS(CERPALS_DESC)) PalsySev_16 = 99.
IF palsy_16 = 1 or palsy_16 = 2 PalsySev_16 = 1.
IF palsy_16 = 99 PalsySev_16 = 99.
VARIABLE LABELS PalsySev_16 "Parent-rated severity of current cerebral palsy".
VALUE LABELS PalsySev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES PalsySev_16(99).

COMPUTE DiabetSev_16 = 999.
IF K2Q41C = 1 DiabetSev_16 = 2.
IF K2Q41C=2 or K2Q41C=3 DiabetSev_16 = 3.
IF (SYSMIS(K2Q41C)) DiabetSev_16 = 99.
IF diabetes_16 = 1 or diabetes_16 = 2 DiabetSev_16 = 1.
IF diabetes_16 = 99 DiabetSev_16 = 99.
VARIABLE LABELS DiabetSev_16 "Parent-rated severity of current diabetes".
VALUE LABELS DiabetSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES DiabetSev_16(99).

COMPUTE DownSSev_16 = 999.
IF DOWNSYN_DESC = 1 DownSSev_16 = 2.
IF DOWNSYN_DESC = 4 DownSSev_16 = 3.
IF (SYSMIS(DOWNSYN_DESC)) DownSSev_16 = 99.
IF DownSynd_16= 1 or DownSynd_16 = 2 DownSSev_16 = 1.
IF DownSynd_16 =99 DownSSev_16 = 99.
VARIABLE LABELS DownSSev_16 "Parent-rated severity of current Down Syndrome".
VALUE LABELS DownSSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES DownSSev_16(99).

COMPUTE SeizSev_16 = 999.
IF K2Q42C = 1 SeizSev_16 = 2.
IF K2Q42C =2 or K2Q42C=3 SeizSev_16 = 3.
IF (SYSMIS(K2Q42C)) SeizSev_16 = 99.
IF seizure_16= 1 or seizure_16 = 2 SeizSev_16 = 1.
IF seizure_16 =99 SeizSev_16 = 99.

```

VARIABLE LABELS SeizSev\_16 "Parent-rated severity of current epilepsy or seizure disorder".

VALUE LABELS SeizSev\_16

1 "Does not currently have condition"

2 "Current condition, rated mild"

3 "Current condition, rated moderate/severe"

99 "Missing".

MISSING VALUES SeizSev\_16(99).

COMPUTE GenetSev\_16 = 999.

IF GENETIC\_DESC = 1 GenetSev\_16 = 2.

IF GENETIC\_DESC = 2 or GENETIC\_DESC=3 GenetSev\_16 = 3.

IF (SYSMIS(GENETIC\_DESC)) GenetSev\_16 = 99.

IF genetic\_16= 1 or genetic\_16 = 2 GenetSev\_16 = 1.

IF genetic\_16 =99 GenetSev\_16 = 99.

VARIABLE LABELS GenetSev\_16 "Parent-rated severity of current genetic or inherited condition".

VALUE LABELS GenetSev\_16

1 "Does not currently have condition"

2 "Current condition, rated mild"

3 "Current condition, rated moderate/severe"

99 "Missing".

MISSING VALUES GenetSev\_16(99).

COMPUTE HeartSev\_16 = 999.

IF HEART\_DESC = 1 HeartSev\_16 = 2.

IF HEART\_DESC = 2 or HEART\_DESC =3 HeartSev\_16 = 3.

IF (SYSMIS(HEART\_DESC)) HeartSev\_16 = 99.

IF heart\_16= 1 or heart\_16 = 2 HeartSev\_16 = 1.

IF heart\_16 =99 HeartSev\_16 = 99.

VARIABLE LABELS HeartSev\_16 "Parent-rated severity of current heart condition".

VALUE LABELS HeartSev\_16

1 "Does not currently have condition"

2 "Current condition, rated mild"

3 "Current condition, rated moderate/severe"

99 "Missing".

MISSING VALUES HeartSev\_16(99).

COMPUTE HeadSev\_16 = 999.

IF HEADACHE\_DESC = 1 HeadSev\_16 = 2.

IF HEADACHE\_DESC = 2 or HEADACHE\_DESC =3 HeadSev\_16 = 3.

IF (SYSMIS(HEADACHE\_DESC)) HeadSev\_16 = 99.

IF headache\_16= 1 or headache\_16 = 2 HeadSev\_16 = 1.

IF headache\_16 =99 HeadSev\_16 = 99.

IF SC\_AGE\_YEARS < 3 HeadSev\_16 = 95.

VARIABLE LABELS HeadSev\_16 "Parent-rated severity of current frequent or severe headaches including migraine, age 3-17 years".

VALUE LABELS HeadSev\_16

1 "Does not currently have condition"

2 "Current condition, rated mild"

3 "Current condition, rated moderate/severe"

99 "Missing"

95"Children age 0-2 years".

MISSING VALUES HeadSev\_16(95,99).

COMPUTE TouretSev\_16 = 999.

IF K2Q38C = 1 TouretSev\_16 = 2.

IF K2Q38C = 4 TouretSev\_16 = 3.

IF (SYSMIS(K2Q38C)) TouretSev\_16 = 99.

IF tourette\_16= 1 or tourette\_16 = 2 TouretSev\_16 = 1.

```

IF tourette_16 =99 TouretSev_16 = 99.
IF SC_AGE_YEARS < 3 TouretSev_16 = 95.
VARIABLE LABELS TouretSev_16 "Parent-rated severity of current Tourette Syndrome, age 3-17 years".
VALUE LABELS TouretSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES TouretSev_16(95,99).

COMPUTE AnxietSev_16 = 999.
IF K2Q33C = 1 AnxietSev_16 = 2.
IF K2Q33C = 2 or K2Q33C=3 AnxietSev_16 = 3.
IF (SYSMIS(K2Q33C)) AnxietSev_16 = 99.
IF anxiety_16= 1 or anxiety_16 = 2 AnxietSev_16 = 1.
IF anxiety_16 =99 AnxietSev_16 = 99.
IF SC_AGE_YEARS < 3 AnxietSev_16 = 95.
VARIABLE LABELS AnxietSev_16 "Parent-rated severity of current anxiety, age 3-17 years".
VALUE LABELS AnxietSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES AnxietSev_16(95,99).

COMPUTE DepresSev_16 = 999.
IF K2Q32C = 1 DepresSev_16 = 2.
IF K2Q32C = 2 or K2Q32C =3 DepresSev_16 = 3.
IF (SYSMIS(K2Q32C)) DepresSev_16 = 99.
IF depress_16= 1 or depress_16 = 2 DepresSev_16 = 1.
IF depress_16 =99 DepresSev_16 = 99.
IF SC_AGE_YEARS < 3 DepresSev_16 = 95.
VARIABLE LABELS DepresSev_16 "Parent-rated severity of current depression, age 3-17 years".
VALUE LABELS DepresSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES DepresSev_16(95,99).

COMPUTE BehavSev_16 = 999.
IF K2Q34C = 1 BehavSev_16 = 2.
IF K2Q34C = 2 or K2Q34C =3 BehavSev_16 = 3.
IF (SYSMIS(K2Q34C)) BehavSev_16 = 99.
IF behavior_16= 1 or behavior_16 = 2 BehavSev_16 = 1.
IF behavior_16 =99 BehavSev_16 = 99.
IF SC_AGE_YEARS < 3 BehavSev_16 = 95.
VARIABLE LABELS BehavSev_16 "Parent-rated severity of current behavioral or conduct problems, age 3-17 years".
VALUE LABELS BehavSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".

```

MISSING VALUES BehavSev\_16(95,99).

```

COMPUTE SubAbSev_16 = 999.
IF SUBABUSE_DESC = 1 SubAbSev_16 = 2.
IF SUBABUSE_DESC = 2 or SUBABUSE_DESC = 3 SubAbSev_16 = 3.
IF (SYSMIS(SUBABUSE_DESC)) SubAbSev_16 = 99.
IF subabuse_16= 1 or subabuse_16 = 2 SubAbSev_16 = 1.
IF subabuse_16 =99 SubAbSev_16 = 99.
IF SC_AGE_YEARS < 6 SubAbSev_16 = 95.
VARIABLE LABELS SubAbSev_16 "Parent-rated severity of current substance abuse disorder, age 6-17 years".
VALUE LABELS SubAbSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-5 years".
MISSING VALUES SubAbSev_16(95,99).

```

```

COMPUTE DevDelSev_16 = 999.
IF K2Q36C = 1 DevDelSev_16 = 2.
IF K2Q36C = 2 or K2Q36C = 3 DevDelSev_16 = 3.
IF (SYSMIS(K2Q36C)) DevDelSev_16 = 99.
IF devdelay_16= 1 or devdelay_16 = 2 DevDelSev_16 = 1.
IF devdelay_16 =99 DevDelSev_16 = 99.
IF SC_AGE_YEARS < 3 DevDelSev_16 = 95.
VARIABLE LABELS DevDelSev_16 "Parent-rated severity of child's developmental delay, age 3-17 years".
VALUE LABELS DevDelSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES DevDelSev_16(95,99).

```

```

COMPUTE IntDisSev_16 = 999.
IF K2Q60C = 1 IntDisSev_16 = 2.
IF K2Q60C = 2 or K2Q60C=3 IntDisSev_16 = 3.
IF (SYSMIS(K2Q60C)) IntDisSev_16 = 99.
IF intdisab_16= 1 or intdisab_16 = 2 IntDisSev_16 = 1.
IF intdisab_16 =99 IntDisSev_16 = 99.
IF SC_AGE_YEARS < 3 IntDisSev_16 = 95.
VARIABLE LABELS IntDisSev_16 "Parent-rated severity of current intellectual disability or mental retardation, age 3-17 year".
VALUE LABELS IntDisSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES IntDisSev_16(95,99).

```

```

COMPUTE SpeechSev_16 = 999.
IF K2Q37C = 1 SpeechSev_16 = 2.
IF K2Q37C = 2 or K2Q37C = 3 SpeechSev_16 = 3.
IF (SYSMIS(K2Q37C)) SpeechSev_16 = 99.
IF speech_16= 1 or speech_16 = 2 SpeechSev_16 = 1.
IF speech_16 =99 SpeechSev_16 = 99.

```

```

IF SC_AGE_YEARS < 3 SpeechSev_16 = 95.
VARIABLE LABELS SpeechSev_16 "Parent-rated severity of current speech or other language disorder,
age 3-17 years".
VALUE LABELS SpeechSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES SpeechSev_16(95,99).

COMPUTE LearnSev_16 = 999.
IF K2Q30C = 1 LearnSev_16 = 2.
IF K2Q30C = 2 or K2Q30C= 3 LearnSev_16 = 3.
IF (SYSMIS(K2Q30C)) LearnSev_16 = 99.
IF learning_16= 1 or learning_16 = 2 LearnSev_16 = 1.
IF learning_16 =99 LearnSev_16 = 99.
IF SC_AGE_YEARS < 3 LearnSev_16 = 95.
VARIABLE LABELS LearnSev_16 "Parent-rated severity of current learning disability, age 3-17 years".
VALUE LABELS LearnSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES LearnSev_16(95,99).

COMPUTE OthMHSev_16 = 999.
IF ANYOTHER_DESC = 1 OthMHSev_16 = 2.
IF ANYOTHER_DESC = 2 or ANYOTHER_DESC =3 OthMHSev_16 = 3.
IF (SYSMIS(ANYOTHER_DESC)) OthMHSev_16 = 99.
IF OthrMent_16= 1 or OthrMent_16 = 2 OthMHSev_16 = 1.
IF OthrMent_16 =99 OthMHSev_16 = 99.
IF SC_AGE_YEARS < 3 OthMHSev_16 = 95.
VARIABLE LABELS OthMHSev_16 "Parent-rated severity of current other mental health condition, age 3-17
years".
VALUE LABELS OthMHSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".
MISSING VALUES OthMHSev_16(95,99).

COMPUTE AutismSev_16 = 999.
IF K2Q35C = 1 AutismSev_16 = 2.
IF K2Q35C = 2 or K2Q35C =3 AutismSev_16 = 3.
IF (SYSMIS(K2Q35C)) AutismSev_16 = 99.
IF autism_16= 1 or autism_16 = 2 AutismSev_16 = 1.
IF autism_16 =99 AutismSev_16 = 99.
IF SC_AGE_YEARS < 3 AutismSev_16 = 95.
VARIABLE LABELS AutismSev_16 "Parent-rated severity of current autism, age 3-17 years".
VALUE LABELS AutismSev_16
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing"
95"Children age 0-2 years".

```

MISSING VALUES AutismSev\_16(95,99).

COMPUTE ADHDSev\_16 = 999.

IF K2Q31C = 1 ADHDSev\_16 = 2.

IF K2Q31C = 2 or K2Q31C= 3 ADHDSev\_16 = 3.

IF (SYSMIS(K2Q31C)) ADHDSev\_16 = 99.

IF ADHD\_16= 1 or ADHD\_16 = 2 ADHDSev\_16 = 1.

IF ADHD\_16 =99 ADHDSev\_16 = 99.

IF SC\_AGE\_YEARS < 3 ADHDSev\_16 = 95.

VARIABLE LABELS ADHDSev\_16 "Parent-rated severity of current ADD/ADHD, age 3-17 years".

VALUE LABELS ADHDSev\_16

1 "Does not currently have condition"

2 "Current condition, rated mild"

3 "Current condition, rated moderate/severe"

99 "Missing"

95"Children age 0-2 years".

MISSING VALUES ADHDSev\_16(95,99).

Indicator 1.10	One or more functional difficulties
Description	Does this child have one or more functional difficulties from a list of 12 difficulties?
Survey Items Used	Survey instrument item number for children 0-5 years: A4a-f,A5a,A5b; for children 6-11 years: A4a-d,A5a-e; for children 12-17 years: A4a-d, A5a-f Variables in public use data file: BREATHING; SWALLOWING; STOMACH; PHYSICALPAIN; HANDS; COORDINATION; MEMORYCOND; WALKSTAIRS; DRESSING; ERRANDALONE; K2Q43B; BLINDNESS
Denominator	Children age 0-17 years
Numerator	Children who do not have any difficulties; Children with one functional difficulty; Children with two or more functional difficulties
<b>Notes for Data-Users</b>	
<p>This measure was scored as the count of difficulties children experience from a list of 12 functional difficulties. The difficulties are asked about as two different types of questions:</p> <p>(A) During the past 12 months, whether the child had frequent or chronic difficulty with breathing or other respiratory problems; eating or swallowing; digesting food, including stomach/intestinal problems, constipation, or diarrhea; repeated or chronic physical pain, including headaches or other back or body pain; using his/her hands (0-5 years); coordination and moving around (0-5 years)</p> <p>(B) Whether the child has serious difficulty concentrating, remembering, or making decisions (6-17 years); serious difficulty walking or climbing stairs (6-17 years); difficulty dressing or bathing (6-17 years); difficulty doing errands alone, such as visiting a doctor's office or shopping (12-17 years), deafness or problems with hearing; and blindness or problems with seeing, even when wearing glasses.</p>	
<b>Rewrites in 2016</b>	
<p>Functional difficulty items were asked in the 2009/10 National Survey of Children with Special Health Care Needs. However, several new items were included in 2016 NSCH, including serious difficulty concentrating, remembering, or making decisions and difficulty doing errands alone(such as visiting a doctor's office or shopping). The wording of the questions which ask about difficulty with walking or climbing stairs and difficulty with dressing or bathing were substantively changed. For more information about the changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE BREATHING (SYSMIS=99) (else=copy) into DiffBreath_16. VARIABLE LABELS DiffBreath_16 "Children who have experienced breathing or other respiratory problems (such as wheezing or shortness of breath) in the past 12 months". VALUE LABELS DiffBreath_16 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES DiffBreath_16(99). FORMATS DiffBreath_16(f4.0). </pre>	

EXECUTE.

**RECODE SWALLOWING**

(SYSMIS=99) (else=copy) into DiffSwall\_16.

VARIABLE LABELS DiffSwall\_16 "Children who have had difficulty with eating or swallowing in the past 12 months".

VALUE LABELS DiffSwall\_16

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES DiffSwall\_16(99).

FORMATS DiffSwall\_16(f4.0).

EXECUTE.

**RECODE STOMACH**

(SYSMIS=99) (else=copy) into DiffDigest\_16.

VARIABLE LABELS DiffDigest\_16 "Children who have had digesting food, including stomach/intestinal problems, constipation, or diarrhea in the past 12 months".

VALUE LABELS DiffDigest\_16

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES DiffDigest\_16(99).

FORMATS DiffDigest\_16(f4.0).

EXECUTE.

**RECODE PHYSICALPAIN**

(SYSMIS=99) (else=copy) into DiffPain\_16.

VARIABLE LABELS DiffPain\_16 "Children who have had difficulty with repeated or chronic physical pain, including headaches or other back or body pain in the past 12 months".

VALUE LABELS DiffPain\_16

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES DiffPain\_16(99).

FORMATS DiffPain\_16(f4.0).

EXECUTE.

**RECODE HANDS**

(SYSMIS=99) (else=copy) into DiffHands\_16.

IF SC\_AGE\_YEARS > 5 DiffHands\_16 = 90.

VARIABLE LABELS DiffHands\_16 "Children who have had difficulty using their hands in the past 12 months, age 0-5 years".

VALUE LABELS DiffHands\_16

1 "Yes"

2 "No"

99 "Missing"

90 "Children age 6-17 years".

MISSING VALUES DiffPain\_16(99).

FORMATS DiffPain\_16(f4.0).

EXECUTE.

**RECODE COORDINATION**

```
(SYSMIS=99) (else=copy) into DiffCoor_16.  
IF SC_AGE_YEARS > 5 DiffCoor_16 = 90.  
VARIABLE LABELS DiffCoor_16 "Children who have had difficulty with coordination or moving around in  
the past 12 month, age 0-5 years".  
VALUE LABELS DiffCoor_16  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 6-17 years".  
MISSING VALUES DiffPain_16(99).  
FORMATS DiffPain_16(f4.0).  
EXECUTE.
```

```
RECODE MEMORYCOND  
(SYSMIS=99) (else=copy) into DiffMem_16.  
IF SC_AGE_YEARS < 6 DiffMem_16 = 90.  
VARIABLE LABELS DiffMem_16 "Children who have serious difficulty concentrating, remembering, or  
making decisions because of a physical, mental, or emotional condition, age 6-17 years".  
VALUE LABELS DiffMem_16  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-5 years".  
MISSING VALUES DiffPain_16(99).  
FORMATS DiffPain_16(f4.0).  
EXECUTE.
```

```
RECODE WALKSTAIRS  
(SYSMIS=99) (else=copy) into DiffWalk_16.  
IF SC_AGE_YEARS < 6 DiffWalk_16 = 90.  
VARIABLE LABELS DiffWalk_16 "Children who have serious difficulty walking or climbing stairs, age 6-17  
years".  
VALUE LABELS DiffWalk_16  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-5 years".  
MISSING VALUES DiffPain_16(99).  
FORMATS DiffPain_16(f4.0).  
EXECUTE.
```

```
RECODE DRESSING  
(SYSMIS=99) (else=copy) into DiffDress_16.  
IF SC_AGE_YEARS < 6 DiffDress_16 = 90.  
VARIABLE LABELS DiffDress_16 "Children who have difficulty dressing or bathing, age 6-17 years".  
VALUE LABELS DiffDress_16  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-5 years".  
MISSING VALUES DiffDress_16(99).  
FORMATS DiffDress_16(f4.0).  
EXECUTE.
```

```

RECODE ERRANDALONE
(SYSMIS=99) (else=copy) into DiffErrand_16.
IF SC_AGE_YEARS < 12 DiffErrand_16 = 90.
VARIABLE LABELS DiffErrand_16 "Children who have difficulty doing errands alone, such as visiting a doctor's office or shopping, because of a physical, mental, or emotional condition, age 12-17 years".
VALUE LABELS DiffErrand_16
1 "Yes"
2 "No"
99 "Missing"
90 "Children age 0-11 years".
MISSING VALUES DiffErrand_16(99).
FORMATS DiffErrand_16(f4.0).
EXECUTE.

```

```

RECODE K2Q43B
(SYSMIS=99) (else=copy) into hearing_16.
VARIABLE LABELS hearing_16 "Children who have deafness or problems with hearing".
VALUE LABELS hearing_16
1 "Yes"
2 "No"
99 "Missing".
MISSING VALUES hearing_16(99).
FORMATS hearing_16(f4.0).
EXECUTE.

```

```

RECODE BLINDNESS
(SYSMIS=99) (else=copy) into vision_16.
VARIABLE LABELS vision_16 "Children who have blindness or problems with seeing, even when wearing glasses".
VALUE LABELS vision_16
1 "Yes"
2 "No"
99 "Missing".
MISSING VALUES vision_16(99).
FORMATS vision_16(f4.0).
EXECUTE.

```

MISSING VALUES DiffBreath\_16 DiffSwall\_16 DiffDigest\_16 DiffPain\_16 DiffHands\_16 DiffCoor\_16  
 DiffMem\_16 DiffWalk\_16 DiffDress\_16 DiffErrand\_16 hearing\_16 vision\_16().

```

COUNT cntdiff=DiffBreath_16 DiffSwall_16 DiffDigest_16 DiffPain_16 DiffHands_16 DiffCoor_16
DiffMem_16 DiffWalk_16 DiffDress_16 DiffErrand_16 hearing_16 vision_16(1).
IF DiffBreath_16=99 and DiffSwall_16=99 and DiffDigest_16=99 and DiffPain_16=99 and
DiffHands_16>=90 and DiffCoor_16>=90 and DiffMem_16>=90 and DiffWalk_16>=90 and
DiffDress_16>=90 and DiffErrand_16>=90 and hearing_16=99 and vision_16=99 cntdiff=99.
VARIABLE LABELS cntdiff "Number of functional difficulties reported from list of 12 different difficulties asked in the survey".

```

```

COMPUTE Diff2more_16=999.
IF cntdiff = 0 Diff2more_16 = 0.
IF cntdiff = 1 Diff2more_16 = 1.
IF cntdiff >1 Diff2more_16 = 2.

```

**Child and Family Health Measures – Physical, Oral Health and Functional Status**

```
IF cntdiff =99 Diff2more_16 = 99.  
VARIABLE LABELS Diff2more_16 "Indicator 1.10: Children who experience two or more functional  
diifculties from a list of 12 difficulties".  
VALUE LABELS Diff2more_16  
0 "Did not have any difficulties"  
1 "One functional difficulty"  
2 "Two or more functional difficulties"  
99 "Missing to all".  
MISSING VALUES Diff2more_16(99).  
FORMATS Diff2more_16(f4.0).  
EXECUTE.
```

Indicator 1.11	Children with special health care needs
Description	Does this child have special health care needs?
Survey Items Used	These items are asked among all children in the initial household screener questionnaire. The screener item numbers: 6,7,8,9,10 Variables in public use data file: K2Q10; K2Q11; K2Q12; K2Q13; K2Q14; K2Q15; K2Q16; K2Q17; K2Q18; K2Q19; K2Q20; K2Q21; K2Q22; K2Q23; SC_CSHCN
Denominator	Children age 0-17 years
Numerator	Children who do not have qualifying responses on any of the five CSHCN Screener criteria; Children with qualifying responses on one or more of the five CSHCN Screener criteria
<b>Notes for Data-Users</b>	
<p>The NSCH uses the CSHCN Screener to identify children with special health care needs. The Screener is a five item, parent-reported tool designed to reflect the federal Maternal and Child Health Bureau's consequences-based definition of children with special health care needs. It identifies children across the range and diversity of childhood chronic conditions and special needs, allowing a more comprehensive and robust assessment of children's needs and health care system performance than is attainable by focusing on a single diagnosis or type of special need.</p> <p>This instrument has been used in several national surveys including the Promoting Healthy Development Survey, the CAHPS-CCC, the NSCH, the NS-CSHCN, and MEPS. More information about CSHCN and the CSHCN Screener can be obtained on the Child and Adolescent Health Measurement Initiative's <a href="#">website</a>.</p>	
<b>Revisions in 2016</b>	
<p>In the 2016 NSCH, the CSHCN Screener questions were asked among all children in the household, before full topical questionnaire was sent to the household. Only one selected child's CSHCN screener responses are included in the final public use file.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE rxmeds_16 = 2. IF ((SC_K2Q10 = 1) and (SC_K2Q11 = 1) and (SC_K2Q12 = 1)) rxmeds_16 = 1. VARIABLE LABELS rxmeds_16 "Children qualifying on the CSHCN Screener prescription medication criteria". VALUE LABELS rxmeds_16 1 "Yes" 2 "No". MISSING VALUES rxmeds_16(99). FORMATS rxmeds_16(f4.0). EXECUTE .  COMPUTE serve_16 = 2. If ((SC_K2Q13 = 1) and (SC_K2Q14 =1) and (SC_K2Q15 = 1)) serve_16 = 1. VARIABLE LABELS serve_16 "Children qualifying on the CSHCN Screener for elevated use of services" </pre>	

criteria".

VALUE LABELS serve\_16

1 "Yes"

2 "No".

MISSING VALUES serve\_16(99).

FORMATS serve\_16(f4.0).

EXECUTE.

COMPUTE func\_16 = 2.

IF ((SC\_K2Q16 = 1) and (SC\_K2Q17 = 1) and (SC\_K2Q18 = 1)) func\_16 = 1.

VARIABLE LABELS func\_16 "Children qualifying on the CSHCN Screener functional limitations criteria".

VALUE LABELS func\_16

1 "Yes"

2 "No".

EXECUTE.

COMPUTE therapy\_16 = 2.

IF ((SC\_K2Q19 = 1) and (SC\_K2Q20 = 1) and (SC\_K2Q21 = 1)) therapy\_16 = 1.

VARIABLE LABELS therapy\_16 "Children qualifying on the CSHCN Screener specialized therapy criteria".

VALUE LABELS therapy\_16

1 "Yes"

2 "No".

MISSING VALUES therapy\_16(99).

FORMATS therapy\_16(f4.0).

EXECUTE.

COMPUTE mhealth\_16 = 2.

IF ((SC\_K2Q22 = 1) and (SC\_K2Q23 = 1)) mhealth\_16 = 1.

VARIABLE LABELS mhealth\_16 "Qualified on ongoing emotional, developmental or behavioral conditions".

VALUE LABELS mhealth\_16

1 "Yes"

2 "No".

MISSING VALUES mhealth\_16(99).

FORMATS mhealth\_16(f4.0).

EXECUTE.

COUNT qualnum\_16=rxmeds\_16 serve\_16 func\_16 therapy\_16 mhealth\_16(1).

VARIABLE LABELS qualnum\_16 "Number of qualifying CSHCN Screener answers".

VALUE LABELS qualnum\_16

0 "No qualifying answers"

1 "One qualifying answer"

2 "Two qualifying answers"

3 "Three qualifying answers"

4 "Four qualifying answers"

5 "Five qualifying answers"

99 "Missing to all 5 items".

FORMATS qualnum\_16 (f4.0).

EXECUTE.

COMPUTE CSHCN\_16 = 999.

IF qualnum\_16 = 0 CSHCN\_16 = 2.

IF qualnum\_16 > 0 CSHCN\_16 = 1.

CSHCN\_16 =99.

**Child and Family Health Measures – Physical, Oral Health and Functional Status**

VARIABLE LABELS CSHCN\_16 "Indicator 1.11: Children with special health care needs".

VALUE LABELS CSHCN\_16

1 "CSHCN"

2 "Non-CSHCN"

99 "Missing to all".

FORMATS CSHCN\_16 (f4.0).

EXECUTE.

\*\*\* CSHCN meeting ongoing emotional, developmental or behavioral conditions screening criteria vs. not meeting this criteria

COMPUTE mhneeds\_16 = 999.

IF (CSHCN\_16 = 2) mhneeds\_16 = 3.

IF (CSHCN\_16 = 1 and mhealth\_16 = 2) mhneeds\_16 = 2.

IF (CSHCN\_16 = 1 and mhealth\_16 = 1) mhneeds\_16 = 1.

VARIABLE LABELS mhneeds\_16 "CSHCN with and without ongoing emotional, developmental and/or behavioral health special needs".

VALUE LABELS mhneeds\_16

1 "CSHCN qualifying on mhealth (Q5 + any)"

2 "CSHCN not qualifying on mhealth (no Q5)"

3 "Non-CSHCN".

FORMATS mhneeds\_16 (f4.0).

\*\*\*Specific types of special health care needs based on CSHCN Screening criteria

COMPUTE CSHCNtype\_16 = 0.

IF ((func\_16 = 1)) and ((serve\_16 = 1) or (therapy\_16 = 1) or (rxmeds\_16 = 1) or (mhealth\_16 = 1))  
CSHCNtype\_16 = 1.

IF ((func\_16 = 1)) and ((serve\_16 = 2) or (therapy\_16 = 2) or (rxmeds\_16 = 2) or (mhealth\_16 = 2))  
CSHCNtype\_16 = 1.

IF (func\_16 = 2) and ((rxmeds\_16 = 1)) and ((serve\_16 = 2) or (therapy\_16 = 2) or (mhealth\_16 = 2))  
CSHCNtype\_16 = 2.

IF (func\_16 = 2) and ((rxmeds\_16 = 2)) and ((serve\_16 = 1) or (therapy\_16 = 1) or (mhealth\_16 = 1))  
CSHCNtype\_16 = 3.

IF (func\_16 = 2) and ((rxmeds\_16 = 1)) and ((serve\_16 = 1) or (therapy\_16 = 1) or (mhealth\_16 = 1))  
CSHCNtype\_16 = 4.

VARIABLE LABELS CSHCNtype\_16 "Children with specific types of special health care needs based on CSHCN screening criteria".

VALUE LABELS CSHCNtype\_16

0 "Non-CSHCN"

1 "Func (only or w/ any other)"

2 "Rx meds ONLY"

3 "Service use ONLY"

4 "Rx meds AND service use".

FORMATS CSHCNtype\_16 (f4.0).

EXECUTE.

\*\*\*CSHCN status and complexity of health care needs

RECODE CSHCNtype\_16 (0=0) (1=2) (2=1) (3=2) (4=2) into CSHCNComplex\_16.

VARIABLE LABELS CSHCNComplex\_16 "CSHCN status and complexity of health care needs".

VALUE LABELS CSHCNComplex\_16

0 "Non-CSHCN"

**Child and Family Health Measures – Physical, Oral Health and Functional Status**

1 "CSHCN with less complex health needs"  
2 "CSHCN with more complex health needs".  
FORMATS CSHCNCComplex\_16(f4.0).

Indicator 1.12	Effect of conditions on daily activities
Description	Does this child have health conditions that consistently and often greatly affect their daily activities during the past 12 months?
Survey Items Used	Survey instrument item number for children 0-5 years: A36, A37; for children 6-11 years: A37, A38; for children 12-17 years: A37, A38; Variables in public use data file: HCABILITY; HCEXTENT
Denominator	Children age 0-17 years who have any condition
Numerator	Daily activities consistently affected, often a great deal; Daily activities moderately affected some of the time; Daily activities never affected

#### Notes for Data-Users

This indicator combines the concepts of "how often" and "how much" children's conditions affect their daily activities. For example: a child may have asthma attacks only rarely, however, when such attacks occur they may greatly affect the child's abilities to do daily activities. Children whose conditions "consistently, and often greatly, affect their daily activities" are those with responses of "Usually or Always" on A36 (0-5 years) A37 (6-17 years) AND/OR a response of "A great deal" on A37 (0-5 years) A38 (6-17 years). Valid responses on both items are required.

#### Revisions in 2016

These questions were asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were significant changes to the wording of the questions. For more information about the question changes, [click here](#).

Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

COMPUTE DailyAct_16 = 999.
IF (SYSMIS(HCABILITY)) or (SYSMIS(HCEXTENT)) DailyAct_16 = 99.
IF HCABILITY = 1 DailyAct_16 = 0.
IF HCABILITY = 2 DailyAct_16 = 1.
IF HCABILITY = 3 or (HCEXTENT = 1 or HCEXTENT = 2) DailyAct_16 = 2.
IF HCABILITY = 4 or HCABILITY=5 DailyAct_16 = 3.
IF HCEXTENT = 3 DailyAct_16 = 3.
IF (SYSMIS(HCABILITY)) and (SYSMIS(HCEXTENT)) DailyAct_16 = 99.
VARIABLE LABELS DailyAct_16 "Indicator 1.12: Extent to which children's health conditions affect their daily activities, among children who have any condition".
VALUE LABELS DailyAct_16
0 "Do not have any conditions"
1 "Daily activities never affected"
2 "Daily activities moderately affected some of time"
3 "Daily activities consistently affected, often a great deal"
99 "Missing to both items".
MISSING VALUES DailyAct_16(0,99).

```

Indicator 2.1	Bullies others, age 6-17 years
Description	How well does this phrase describe this child: child bullies others, picks on them, or excludes them?
Survey Items Used	Survey instrument item number for children 6-11 years: A3g; for children 12-17 years: A3g Variable name in public use data file: K7Q71_R
Denominator	Children age 6-17 years
Numerator	Children whose parents definitely or somewhat agree that their child bullies others, picks on them or excludes them; Children whose parents do not agree that their child bullies others, picks on them or excludes them
<b>Notes for Data-Users</b>	
This question is asked for children between 6 and 17 years of age.	
<b>Revisions in 2016</b>	
Response options changed from "Never, rarely, sometimes, usually, or always true" to "Definitely true, somewhat true, or not true." Reference to "the past month" was not included in the 2016 survey question. For more information about the changes, <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q71_R (1 thru 2=1) (3=2) (SYSMIS=99) into bully_16. IF SC_AGE_YEARS &lt; 6 bully_16 = 90. VARIABLE LABELS bully_16 "Indicator 2.1: Children bully others, pick on them or exclude them, age 6-17 years". VALUE LABELS bully_16 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bully_16(90,99). EXECUTE. </pre>	

Indicator 2.2	Bullied, age 6-17 years
Description	How well does this phrase describe this child: child is bullied, picked on, or excluded by other children?
Survey Items Used	Survey instrument item number for children 6-11 years: A3f; for children 12-17 years: A3f Variable name in public use data file: BULLIED
Denominator	Children age 6-17 years
Numerator	Children whose parents definitely or somewhat agree that their child is child bullied, picked on or excluded by other children; Children whose parents do not agree that their child is child bullied, picked on or excluded by other children
<b>Notes for Data-Users</b>	
This question is asked for children between 6 and 17 years of age.	
<b>Revisions in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE BULLIED (1 thru 2=1) (3=2) (SYSMIS=99) into bullied_16. IF SC_AGE_YEARS &lt; 6 bullied_16 = 90. VARIABLE LABELS bullied_16 "Indicator 2.2: Children who are bullied, picked on, or excluded by other children, age 6-17 years". VALUE LABELS bullied_16 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bullied_16(90,99). EXECUTE. </pre>	

Indicator 2.3	Flourishing for young children, age 6 months-5 years
Description	Is this young child flourishing?
Survey Items Used	Survey instrument item number for children 0-5 years: A3a-d Variables in public use data file: K6Q70_R; K6Q71_R; K6Q72_R; K6Q73_R
Denominator	Children age 6 months-5 years
Numerator	Children who met 0-2 flourishing items; Children who met 3 flourishing items; Children who met all 4 flourishing items

#### Notes for Data-Users

Positive health items, or “flourishing items” (also known as thriving), were included first time in the 2011/12 NSCH to provide information on childhood well-being and resilience. Flourishing as a concept contains multiple dimensions of physical health, mental and emotional health, caring, empathy and resilience, therefore items are organized by domains within thriving. Questions were developed based on a review of positive health indicators by a Technical Expert Panel. This TEP includes a representative group of experts in the field of survey methodology, children’s health, community organizations, and family leaders. Additionally, there was a public comment period which yielded more interesting in this concept. From the collection of input from the Technical Expert Panel and Public Comment, two sets of flourishing items were developed for children age 6 months-5 years and a separate set for children 6-17 years, based on developmentally appropriate experiences for each age group. For children age 0-5 years, four questions were asked that aimed to capture curiosity and discovery about learning, resilience, attachment with parent, and content with life. These were captured through: (1) child is affectionate and tender, (2) child bounces back quickly when things don’t go his/her way, (3) child shows interest and curiosity in learning new things, and (4) child smiles and laughs a lot. The “Definitely true” response to the question indicates the child meets the flourishing item criteria.

#### Revisions in 2016

Response options of individual items were changed from “Never, rarely, sometimes, usually, or always true” to “Definitely true, somewhat true, or not true.” Reference to “the past month” was not included in the 2016 NSCH question. For more information about the changes, click, [click here](#).

Due to changes in the survey’s mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

RECODE K6Q70_R
(1=1) (2 thru 3 =2) (SYSMIS=99) into tender_16.
IF SC_AGE_YEARS > 5 tender_16 = 90.
IF SC_AGE_LT6 = 1 tender_16 = 95.
VARIABLE LABELS tender_16 "Children are affectionate and tender with parent, age 6 months-5 years".
VALUE LABELS tender_16
1 "Definitely true"
2 "Somewhat true or Not true"
90 "Children age 6-17 years"
95 "Children age <6 months"
99 "Missing".

```

MISSING VALUES tender\_16(90,95,99).

EXECUTE.

RECODE K6Q73\_R

(1=1) (2 thru 3 =2) (SYSMIS=99) into resil0to5\_16.

IF SC\_AGE\_YEARS > 5 resil0to5\_16 = 90.

IF SC\_AGE\_LT6 = 1 resil0to5\_16 = 95.

VARIABLE LABELS resil0to5\_16 "Children who bounce back quickly when things don't go his/her way, age 6 months-5 years".

VALUE LABELS resil0to5\_16

1 "Definitely true"

2 "Somewhat true or Not true"

90 "Children age 6-17 years"

95 "Children age <6 months"

99 "Missing".

MISSING VALUES resil0to5\_16(90,95,99).

EXECUTE.

RECODE K6Q71\_R

(1=1) (2 thru 3 =2) (SYSMIS=99) into curious0to5\_16.

IF SC\_AGE\_YEARS > 5 curious0to5\_16 = 90.

IF SC\_AGE\_LT6 = 1 curious0to5\_16 = 95.

VARIABLE LABELS curious0to5\_16 "Children who show interest and curiosity in learning new things, age 6 months-5 years".

VALUE LABELS curious0to5\_16

1 "Definitely true"

2 "Somewhat true or Not true"

90 "Children age 6-17 years"

95 "Children age <6 months"

99 "Missing".

MISSING VALUES curious0to5\_16(90,99).

EXECUTE.

RECODE K6Q72\_R

(1=1) (2 thru 3 =2) (SYSMIS=99) into smile\_16.

IF SC\_AGE\_YEARS > 5 smile\_16 = 90.

IF SC\_AGE\_LT6 = 1 smile\_16 = 95.

VARIABLE LABELS smile\_16 "Children who smile and laugh a lot, age 6 months-5 years".

VALUE LABELS smile\_16

1 "Definitely true"

2 "Somewhat true or Not true"

90 "Children age 6-17 years"

95 "Children age <6 months"

99 "Missing".

MISSING VALUES smile\_16(90,99).

EXECUTE.

MISSING VALUES tender\_16 resil0to5\_16 curious0to5\_16 smile\_16().

COUNT flrsh0to5ct=tender\_16 resil0to5\_16 curious0to5\_16 smile\_16(1).

IF tender\_16=99 and resil0to5\_16=99 and curious0to5\_16=99 and smile\_16=99 flrsh0to5ct=99.

IF SC\_AGE\_LT6 = 1 flrsh0to5ct = 95.

IF SC\_AGE\_YEARS > 5 flrsh0to5ct=90.

**Child and Family Health Measures – Emotional and Mental Health**

VARIABLE LABELS flrsh0to5ct "Count of Definitely true responses to flourishing items, age 6 months-5 years".

VALUE LABELS flrsh0to5ct

90 "Children age 6-17 years"

95 "Children age <6 months"

99 "Missing to all 4 items".

RECODE flrsh0to5ct (0 thru 3 = 1) (4=2) (else=copy) into flrish0to5\_16.

VARIABLE LABELS flrish0to5\_16 "Indicator 2.3: Flourishing for young children, age 6 months-5 years".

VALUE LABELS flrish0to5\_16

1 "Definitely true response to 0-3 items"

2 "Definitely true response to all 4 items"

90 "Children age 6-17 years"

95 "Children age <6 months"

99 "Missing to all 4 items".

MISSING VALUES flrish0to5\_16(90,95,99).

EXECUTE.

Indicator 2.4	Flourishing for children and adolescents, age 6-17 years
Description	Is this child or adolescent flourishing?
Survey Items Used	Survey instrument item number: for children 6-11 years: A3a-c; for children 12-17 years: A3a-c Variables in public use data file: K7Q84_R; K6Q71_R; K7Q85_R
Denominator	Children age 6-17 years
Numerator	Children who met 0-1 flourishing items; Children who met 2 flourishing items; Children who met all 3 flourishing items
<b>Notes for Data-Users</b>	
<p>Positive health items, or “flourishing items” (also known as thriving), were included first time in the 2011/12 NSCH to provide information on childhood well-being and resilience. Flourishing as a concept contains multiple dimensions of physical health, mental and emotional health, caring, empathy and resilience, therefore items are organized by domains within thriving. Questions were developed based on a review of positive health indicators by a Technical Expert Panel. This TEP includes a representative group of experts in the field of survey methodology, children’s health, community organizations, and family leaders.</p> <p>Additionally, there was a public comment period which yielded more interesting in this concept. From the collection of input from the Technical Expert Panel and Public Comment, two sets of flourishing items were developed for children age 6 months-5 years and a separate set for children 6-17 years based on developmentally appropriate experiences for each age group. For children age 6-17 years, three questions were asked that aimed to capture curiosity and discovery about learning, resilience, and self-regulation. These were captured through: (1) child shows interest and curiosity in learning new things, (2) child works to finish tasks he or she starts, and (3) child stays calm and in control when faced with a challenge. The “Definitely true” response to the question indicates the child meets the flourishing item criteria.</p>	
<b>Revisions in 2016</b>	
<p>Response options were changed from “Never, rarely, sometimes, usually, or always true” to “Definitely true, somewhat true, or not true.” Reference to “the past month” was not included in the 2016 NSCH question. For more information about the changes, click, <a href="#">click here</a>.</p> <p>Due to changes in the survey’s mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q71_R (1=1) (2 thru 3 =2) (SYSMIS=99) into curious6to17_16. IF SC_AGE_YEARS &lt; 6 curious6to17_16=90. VARIABLE LABELS curious6to17_16 "Children who show interest and curiosity in learning new things, age 6-17 years". VALUE LABELS curious6to17_16 1 "Definitely true" 2 "Somewhat true or Not true" 90 "Children age 0-5 years" 99 "Missing". MISSING VALUES curious6to17_16(90,99). </pre>	

EXECUTE.

RECODE K7Q84\_R

(1=1) (2 thru 3 =2) (SYSMIS=99) into finishes\_16.

IF SC\_AGE\_YEARS < 6 finishes\_16=90.

VARIABLE LABELS finishes\_16 "Children who work to finish the tasks they start, age 6-17 years".

VALUE LABELS finishes\_16

1 "Definitely true"

2 "Somewhat true or Not true"

90 "Children age 0-5 years"

99 "Missing".

MISSING VALUES finishes\_16(90,99).

EXECUTE.

RECODE K7Q85\_R

(SYSMIS=99) (else=copy) into resil6to17\_16.

IF SC\_AGE\_YEARS < 6 resil6to17\_16=90.

VARIABLE LABELS resil6to17\_16 "Children who stay calm and in control when faced with a challenge, age 6-17 years".

VALUE LABELS resil6to17\_16

1 "Definitely true"

2 "Somewhat true"

3 "Not true"

90 "Children age 0-5 years"

99 "Missing".

MISSING VALUES resil6to17\_16(90,99).

EXECUTE.

MISSING VALUES finishes\_16 resil6to17\_16 curious6to17\_16().

COUNT flrsh6to17ct = finishes\_16 resil6to17\_16 curious6to17\_16 (1).

IF finishes\_16=99 and resil6to17\_16=99 and curious6to17\_16=99 flrsh6to17ct=99.

IF SC\_AGE\_YEARS < 6 flrsh6to17ct=90.

VARIABLE LABELS flrsh6to17ct "Count of Definitely true response to flourishing Items, age 6-17 years".

VALUE LABELS flrsh6to17ct

90 "Children age 0-5 years"

99 "Missing to all 3 items".

EXECUTE.

RECODE flrsh6to17ct (0 thru 1 = 1) (2=2) (3=3) (else=copy) into flrish6to17\_16.

VARIABLE LABELS flrish6to17\_16 "Indicator 2.4: Flourishing for children and adolescents, age 6-17 years".

VALUE LABELS flrish6to17\_16

1 "Definitely true response to 0-1 items"

2 "Definitely true response to 2 items"

3 "Definitely true response to all 3 items"

90 "Children age 0-5 years"

99 "Missing to all 3 items".

MISSING VALUES flrish6to17\_16 (90,99).

EXECUTE.

Indicator 2.5	Argue too much, age 6-17 years
Description	How well does this phrase describe this child: this child argues too much?
Survey Items Used	Survey instrument item number: for children 6-11 years: A3h; for children 12-17 years: A3h Variable in public use data file: K7Q70_R
Denominator	Children age 6-17 years
Numerator	Children whose parents definitely agree that their child argues too much; Children whose parents somewhat agree that their child argues too much; Children whose parents do not agree that their child argues too much
<b>Notes for Data-Users</b>	
This question is asked for children between 6 and 17 years of age.	
<b>Revisions in 2016</b>	
Response options were changed from "Never, rarely, sometimes, usually, or always true" to "Definitely true, somewhat true, or not true." Reference to "the past month" was not included in the 2016 NSCH question. For more information about the changes, <a href="#">click here</a>	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q70_R (SYSMIS=99) (else=copy) into argue_16. IF SC_AGE_YEARS &lt; 6 argue_16 = 90. VARIABLE LABELS argue_16 "Indicator 2.5: Children who argue too much, age 6-17 years". VALUE LABELS argue_16 1 "Definitely true" 2 "Somewhat true" 3 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES argue_16(90,99). FORMATS argue_16(f2.0). EXECUTE. </pre>	

Indicator 2.6	Making and keeping friends, age 6-17 years
Description	Compared to other children his or her age, how much difficulty does this child have making or keeping friends?
Survey Items Used	Survey instrument item number: for children 6-11 years: G7; for children 12-17 years: G7 Variable in public use data file: MAKEFRIEND
Denominator	Children age 6-17 years
Numerator	Children who have no difficulty making or keeping friends; Children who have a little/a lot difficulty making or keeping friends
Notes for Data-Users	This question is asked among children between 3 and 17 years of age. However, the denominator of this measure is children ages 6-17 years.
Revisions in 2016	This question was asked in the 2009/10 National Survey of Children's Health (NS-CSHCN). Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.
SPSS Syntax and Annotation	<pre> RECODE MAKEFRIEND (1=1) (2 thru 3 = 2) (SYSMIS=99) (else=copy) into MakeFriend_16. IF SC_AGE_YEARS &lt; 6 MakeFriend_16 = 90. VARIABLE LABELS MakeFriend_16 "Indicator 2.6: Difficulties making and keeping friends, age 6-17 years". VALUE LABELS MakeFriend_16 1 "No difficulty" 2 "A little or a lot of difficulty" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES MakeFriend_16(90,99). FORMATS MakeFriend_16(f2.0).  EXECUTE. </pre>

Indicator 2.7	Prevalence of ADD/ADHD, age 3-17 years
Description	Does this child currently have Attention Deficit Disorder (ADD) or Attention-Deficit/Hyperactivity Disorder (ADHD)?
Survey Items Used	Survey instrument item number: for children 0-5 years: A33; for children 6-11 years: A34; for children 12-17 years: A34 Variable in public use data file: K2Q31A; K2Q31B
Denominator	Children age 3-17 years
Numerator	Children who do not currently have ADD or ADHD; Children who ever had ADD or ADHD, but not currently; Children who currently have ADD or ADHD
<b>Notes for Data-Users</b>	
<p>All information about children's current conditions in the 2016 NSCH is based on parent report. Further, a response of "Yes" to having "ever been told" that a child has a specific health condition DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p> <p>The 2016 NSCH asked this question among all children, including children &lt;3 years old. However, the denominator of this measure is children ages 3-17 years.</p>	
<b>Revisions in 2016</b>	
<p>The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDind_16 = 999. IF (SYSMIS(K2Q31A)) or (SYSMIS(K2Q31B)) ADHDind_16 = 99. IF K2Q31A = 2 ADHDind_16 = 1. IF K2Q31A = 1 and K2Q31B = 2 ADHDind_16 = 2. IF K2Q31A = 1 and K2Q31B = 1 ADHDind_16 = 3. IF SC_AGE_YEARS &lt; 3 ADHDind_16 = 95. VARIABLE LABELS ADHDind_16 "Indicator 2.7: Children who currently have ADD or ADHD, age 3-17 years". VALUE LABELS ADHDind_16 1 "Do not have condition" 2 "Ever told, but do not currently have condition" 3 "Currently have condition" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES ADHDind_16(95,99). FORMATS ADHDind_16(f2.0). EXECUTE. </pre>	

Indicator 2.7a	Parent-rated severity of ADD/ADHD, age 3-17 years
Description	Would you describe this child's current Attention Deficit Disorder (ADD) or Attention-Deficit/Hyperactivity Disorder (ADHD) as mild, moderate or severe?
Survey Items Used	Survey instrument item number for children 0-5 years: A33; for children 6-11 years: A34; for children 12-17 years: A34 Variable in public use data file: K2Q31A; K2Q31B; K2Q31C
Denominator	Children age 3-17 years
Numerator	Children who do not currently have ADD/ADHD; Children with mild current ADD/ADHD; Children with moderate current ADD/ADHD; Children with severe current ADD/ADHD
<b>Notes for Data-Users</b>	
All information about children's current conditions from the 2016 NSCH survey is based on parent report.	
<b>Rewrites in 2016</b>	
There were changes to the wording of this question. For more information about the changes <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDSevInd_16 = 999. IF K2Q31C = 1 ADHDSevInd_16 = 2. IF K2Q31C = 2 or K2Q31C= 3 ADHDSevInd_16 = 3. IF (SYSMIS(K2Q31C)) ADHDSevInd_16 = 99. IF ADHD_16= 1 or ADHD_16 = 2 ADHDSevInd_16 = 1. IF ADHD_16 =99 ADHDSevInd_16 = 99. IF SC_AGE_YEARS &lt; 3 ADHDSevInd_16 = 95. VARIABLE LABELS ADHDSevInd_16 "Indicator 2.7a: Parent-rated severity of current ADD/ADHD, age 3-17 years". VALUE LABELS ADHDSevInd_16 1 "Does not currently have condition" 2 "Current condition, rated mild" 3 "Current condition, rated moderate/severe" 99 "Missing" 95"Children age 0-2 years". MISSING VALUES ADHDSevInd_16(95,99). FORMATS ADHDSevInd_16(f2.0). EXECUTE. </pre>	

Indicator 2.7b	Medication for ADD/ADHD, age 3-17 years
Description	Is this child currently taking medication for ADD or ADHD?
Survey Items Used	Survey instrument item number for children 0-5 years: A34; for children 6-11 years: A35; for children 12-17 years: A35 Variable name in public use data file: K2Q31D; K2Q31A; K2Q31B
Denominator	Children age 3-17 years
Numerator	Children who currently have ADD/ADHD and are taking medication; Children who currently have ADD/ADHD but are not taking medication; Children who do not currently have ADD/ADHD
<b>Notes for Data-Users</b>	
<p>This measure is based on three questions which asked parents whether they were ever told by a provider care provider that their child had ADD or ADHD; whether the child currently has ADD or ADHD; and whether the child is currently taking medication for ADD or ADHD. The second and third questions were asked only if the response to the previous question was "Yes".</p> <p>Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified.</p>	
<b>Revisions in 2016</b>	
<p>The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDMed_16 = 999. IF (SYSMIS(K2Q31D)) ADHDMed_16 = 99. IF K2Q31D = 1 ADHDMed_16 = 1. IF K2Q31D = 2 ADHDMed_16 = 2. IF (SYSMIS(K2Q31A)) or (SYSMIS(K2Q31B)) ADHDMed_16 = 99. IF K2Q31A = 2 or (K2Q31A = 1 and K2Q31B = 2) ADHDMed_16 = 3. IF SC_AGE_YEARS &lt; 3 ADHDMed_16 = 95. VARIABLE LABELS ADHDMed_16 "Indicator 2.7b: Children currently taking medication for ADD or ADHD, age 3-17 years". VALUE LABELS ADHDMed_16 1 "Currently have condition and taking medication" 2 "Currently have condition but not taking medication" 3 "Do not currently have condition" 99 "Missing" 95 "Children age 0-2 year". MISSING VALUES ADHDMed_16(95,99). EXECUTE. </pre>	

Indicator 2.7c	Received behavioral treatment for ADD/ADHD, age 3-17 years
<b>Description</b>	At any time during the past 12 months, did this child receive behavioral treatment for ADD or ADHD, such as training or an intervention that you or this child received to help with his or her behavior?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A35; for children 6-11 years: A36; for children 12-17 years: A36 Variable in public use data file: ADDTREAT; K2Q31B
<b>Denominator</b>	Children age 3-17 years who have been diagnosed ADD/ADHD
<b>Numerator</b>	Children who currently have condition and received behavioral treatment; Children who currently have condition but did not receive behavioral treatment; Children who do not currently have condition
<b>Notes for Data-Users</b>	
All information about children's current conditions from the 2016 NSCH survey is based on parent report.	
<b>Rewords in 2016</b>	
This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of this question. For more information about the changes <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDBehTreat_16 = 999. IF (SYSMIS(ADDTREAT)) ADHDBehTreat_16 = 99. IF ADDTREAT = 1 ADHDBehTreat_16 = 1. IF ADDTREAT = 2 ADHDBehTreat_16 = 2. IF (SYSMIS(K2Q31A)) or (SYSMIS(K2Q31B)) ADHDBehTreat_16 = 99. IF K2Q31A = 2 or (K2Q31A = 1 and K2Q31B = 2) ADHDBehTreat_16 = 3. IF SC_AGE_YEARS &lt; 3 ADHDBehTreat_16 = 95. VARIABLE LABELS ADHDBehTreat_16 "Indicator 2.7c: Received behavioral treatment for ADD/ADHD, age 3-17 years". VALUE LABELS ADHDBehTreat_16 1 "Currently have condition and received behavioral treatment" 2 "Currently have condition but did not receive behavioral treatment" 3 "Do not currently have condition" 99 "Missing" 95 "Children age 0-2 year". MISSING VALUES ADHDBehTreat_16(95,99). EXECUTE. </pre>	

Indicator 2.8	Prevalence of autism/ASD, age 3-17 years
Description	Does this child currently have Autism or Autism Spectrum Disorder (ASD)?
Survey Items Used	Survey instrument item number: for children 0-5 years: A28; for children 6-11 years: A29; for children 12-17 years: A29 Variable in public use data file: K2Q35A; K2Q35B
Denominator	Children age 3-17 years
Numerator	Children who do not currently have Autism or Autism Spectrum Disorder; Children who ever had Autism or Autism Spectrum Disorder, but not currently; Children who currently have Autism or Autism Spectrum Disorder
<b>Notes for Data-Users</b>	
All information about children's current conditions in the 2016 NSCH is based on parent report. Further, a response of "Yes" to having "ever been told" that a child has a specific health condition DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence. The 2016 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the question changes, <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE AutismInd_16 = 999. IF (SYSMIS(K2Q35A)) or (SYSMIS(K2Q35B)) AutismInd_16 = 99. IF K2Q35A = 2 AutismInd_16 = 1. IF K2Q35A = 1 and K2Q35B = 2 AutismInd_16 = 2. IF K2Q35A = 1 and K2Q35B = 1 AutismInd_16 = 3. IF SC_AGE_YEARS &lt; 3 AutismInd_16 = 95. VARIABLE LABELS AutismInd_16 "Indicator 2.8: Children who currently have autism or Autism Spectrum Disorder, age 3-17 years". VALUE LABELS AutismInd_16 1 "Do not have condition" 2 "Ever told, but do not currently have condition" 3 "Currently have condition" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES AutismInd_16(95,99). FORMATS AutismInd_16(f2.0). EXECUTE. </pre>	

Indicator 2.8a	Parent-rated severity of autism/ASD, age 3-17 years
Description	Would you describe this child's current Autism or Autism Spectrum Disorder as mild, moderate or severe?
Survey Items Used	Survey instrument item number: for children 0-5 years: A28; for children 6-11 years: A29; for children 12-17 years: A29 Variable in public use data file: K2Q35A; K2Q35B; K2Q35C
Denominator	Children age 3-17 years
Numerator	Children who do not currently have Autism or Autism Spectrum Disorder; Children with mild current Autism or Autism Spectrum Disorder; Children with moderate/severe current Autism or Autism Spectrum Disorder
<b>Notes for Data-Users</b>	
All information about children's current conditions from the 2016 NSCH survey is based on parent report.	
<b>Rewrites in 2016</b>	
There were changes to the wording of this question. For more information about the question changes, <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ASDSevInd_16 = 999. IF K2Q35C = 1 ASDSevInd_16 = 2. IF K2Q35C = 2 or K2Q35C = 3 ASDSevInd_16 = 3. IF (SYSMIS(K2Q35C)) ASDSevInd_16 = 99. IF autism_16= 1 or autism_16 = 2 ASDSevInd_16 = 1. IF autism_16 =99 ASDSevInd_16 = 99. IF SC_AGE_YEARS &lt; 3 ASDSevInd_16 = 95. VARIABLE LABELS ASDSevInd_16 "Indicator 2.8a: Parent-rated severity of current autism, age 3-17 years". VALUE LABELS ASDSevInd_16 1 "Does not currently have condition" 2 "Current condition, rated mild" 3 "Current condition, rated moderate/severe" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES ASDSevInd_16(95,99). FORMATS ASDSevInd_16(f2.0). EXECUTE. </pre>	

Indicator 2.8b	Medication for autism/ASD, age 3-17 years
Description	Is this child currently taking medication for Autism, ASD, Asperger's Disorder or PDD?
Survey Items Used	Survey instrument item number for children 0-5 years: A28, A31; for children 6-11 years: A28, A32; for children 12-17 years: A28, A32 Variables in public use data file: AUTISMMED; K2Q35A; K2Q35B
Denominator	Children age 3-17 years
Numerator	Children who currently have autism/ASD and are taking medication; Children who currently have autism/ASD but are not taking medication; Children who do not currently have autism/ASD

#### Notes for Data-Users

This measure was based on three questions which asked parents whether they were ever told by a provider that their child had autism/ASD; whether the child currently has autism/ASD; and whether the child is currently taking medication for autism/ASD. The second and third questions were asked only if the response to the previous question was "Yes".

Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified. These questions were asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.

#### Rewrites in 2016

This item is new in the 2016 NSCH.

#### SPSS Syntax and Annotation

```

COMPUTE ASDMed_16= 999.
IF (SYSMIS(AUTISMMED)) ASDMed_16 = 99.
IF AUTISMMED = 1 ASDMed_16 = 1.
IF AUTISMMED = 2 ASDMed_16 = 2.
IF (SYSMIS(K2Q35A)) or (SYSMIS(K2Q35B)) ASDMed_16 = 99.
IF K2Q35A = 2 or (K2Q35A = 1 and K2Q35B = 2) ASDMed_16 = 3.
IF SC_AGE_YEARS < 3 ASDMed_16 = 95.
VARIABLE LABELS ASDMed_16 "Indicator 2.8b: Children currently taking medication for autism/ASD, age 3-17 years".
VALUE LABELS ASDMed_16
1 "Currently have condition and taking medication"
2 "Currently have condition but not taking medication"
3 "Do not currently have condition or missing"
99 "Missing"
95 "Children age 0-2 year".
MISSING VALUES ASDMed_16(95,99).
EXECUTE.

```

Indicator 2.8c	Received behavioral treatment for autism/ASD, age 3-17 years
Description	At any time during the past 12 months, did this child receive behavioral treatment for Autism, ASD, Asperger's Disorder or PDD, such as training or an intervention that you or this child received to help with his or her behavior?
Survey Items Used	Survey instrument item number for children 0-5 years: A28; A32; for children 6-11 years: A33; for children 12-17 years: A33 Variables in public use data file: AUTISMTRT; K2Q35A; K2Q35B
Denominator	Children age 3-17 years
Numerator	Children who currently have autism/ASD and received behavioral treatment; Children who currently have autism/ASD but did not receive behavioral treatment; Children who do not currently have autism/ASD
<b>Notes for Data-Users</b>	
<p>This measure was based on three questions which asked parents whether they were ever told by a provider that their child had autism/ASD; whether the child currently has autism/ASD; and whether the child received behavioral treatment for Autism, ASD, Asperger's Disorder or PDD. The second and third questions were asked only if the response to the previous question was "Yes".</p> <p>Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified. These questions were asked among all children, including children &lt;3 years old. However, the denominator of this measure is children ages 3-17 years.</p>	
<b>Revisions in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ASDBehTreat_16 = 999. IF (SYSMIS(AUTISMTRT)) ASDBehTreat_16 = 99. IF AUTISMTRT = 1 ASDBehTreat_16 = 1. IF AUTISMTRT = 2 ASDBehTreat_16 = 2. IF (SYSMIS(K2Q35A)) or (SYSMIS(K2Q35B)) ASDBehTreat_16 = 99. IF K2Q35A = 2 or (K2Q35A = 1 and K2Q35B = 2) ASDBehTreat_16 = 3. IF SC_AGE_YEARS &lt; 3 ASDBehTreat_16 = 95. VARIABLE LABELS ASDBehTreat_16 "Indicator 2.8c: Children currently have autism/ASD who received behavioral treatment for autism/ASD during the past 12 months, age 3-17 years". VALUE LABELS ASDBehTreat_16 1 "Currently have condition and received behavioral treatment" 2 "Currently have condition but did not receive behavioral treatment" 3 "Do not currently have condition" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES ASDBehTreat_16(95,99). EXECUTE. </pre>	

Indicator 2.8d	Age of diagnosis for autism/ASD, age 3-17 years
Description	How old was this child when a doctor or other health care provider first told you that he or she had Autism, ASD, Asperger's Disorder or PDD?
Survey Items Used	Survey instrument item number: for children 0-5 years: A29; for children 6-11 years: A30; for children 12-17 years: A30; Variables in public use data file: K2Q35A_1_YEARS; K2Q35A_1_DK; K2Q35A; K2Q35B
Denominator	Children age 3-17 years who have been diagnosed with ASD
Numerator	Diagnosed at birth to 2 years; Diagnosed 3-5 years of age; Diagnosed at 6-17 years of age
<b>Notes for Data-Users</b>	
All information about children's current conditions in the 2011/12 NSCH is based on parent report.	
<b>Rewritten in 2016</b>	
The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q35A_1_YEARS (0 thru 2 =1) (3 thru 5=2) (6 thru 17=3) (SYSMIS=999) (else=copy) into ASDAge_16. IF K2Q35A = 2 ASDAge_16 = 998. IF SC_AGE_YEARS &lt; 3 ASDAge_16 = 995. VARIABLE LABELS ASDAge_16 "Indicator 2.8d: Age of diagnosis for autism/ASD, age 3-17 years". VALUE LABELS ASDAge_16 1 "0-2 years" 2 "3-5 years" 3 "Older than 5 years" 998 "Never told that child has autism/ASD" 999 "Don't know/Missing" 995 "Children age 0-2 year". MISSING VALUES ASDAge_16(995,998,999). EXECUTE. </pre>	

<b>Indicator 2.8e</b>	Type of health care provider to first tell that child had autism/ASD, age 3-17 years
<b>Description</b>	What type of doctor or other health care provider was the first to tell you that this child had Autism, ASD, Asperger's Disorder or PDD?
<b>Survey Items Used</b>	Survey instrument item number: for children 0-5 years: A30; for children 6-11 years: A31; for children 12-17 years: A31; Variable in public use data file: K2Q35D; K2Q35A
<b>Denominator</b>	Children age 3-17 years who have been diagnosed with ASD
<b>Numerator</b>	Primary care provider; Specialist; Mental health professionals including school psychologist/counselor, other psychologist (non-school) or psychiatrist; Other
<b>Notes for Data-Users</b>	
All information about children's current conditions in the 2016 NSCH is based on parent report.	
<b>Revisions in 2016</b>	
The response options for this item have changed from previous years of the survey. For more information about the changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q35D (1=1) (2=2) (3 thru 5=3) (6=4) (else=copy) into ASDDrType_16. IF (SYSMIS(K2Q35D)) ASDDrType_16 = 99. IF K2Q35D = 7 ASDDrType_16 = 99. IF K2Q35A = 2 ASDDrType_16 = 96. IF SC_AGE_YEARS &lt; 3 ASDDrType_16 = 95. VARIABLE LABELS ASDDrType_16 "Indicator 2.8e: Type of doctor or other health care provider was the FIRST to tell that this child had autism/ASD, age 3-17 years". VALUE LABELS ASDDrType_16 1 "Primary Care Provider" 2 "Specialist" 3 "Mental health professional" 4 "Other" 96 "Never told that child has ASD" 99 "Don't Know/Missing" 95 "Children age 0-2 year". MISSING VALUES ASDDrType_16(95,96,99). EXECUTE. </pre>	

<b>Indicator 2.9</b>	<b>Medication for ADD/ADHD, ASD, or difficulties with emotions, concentration, or behavior, age 3-17 years</b>
<b>Description</b>	Is this child taking medication for ADD/ADHD, ASD, or difficulties with emotions, concentration, or behavior?
<b>Survey Items Used</b>	Survey instrument item number: for children 0-5 years: A31, A34, C20; for children 6-11 years: A32, A35, C18; for children 12-17 years: A32, A35, C19 Variable in public use data file: K4Q23; AUTISMMED; K2Q31D
<b>Denominator</b>	Children age 3-17 years
<b>Numerator</b>	Children who are not taking medication for emotions/concentration/behavior; Children who currently taking medication for emotions/concentration/behavior (including autism/ASD and ADD/ADHD)

#### Notes for Data-Users

This measure combines responses to three questions: whether children with current autism/ASD are using medication, whether children with current ADD/ADHD are using medication, and whether children not on medication for autism/ASD or ADD/ADHD have taken medication for other emotional/behavioral/concentration issues during the past 12 months. A "Yes" to any of these questions qualifies.

Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified.

#### Rewrites in 2016

In the 2011/12 NSCH, the questions about medication use for ADD/ADHD and emotion, concentration or behavior were asked among children age 2-17 years. "Medication for ASD" is new in the 2016 NSCH.

#### SPSS Syntax and Annotation

```

COMPUTE MedEmotion_16 = 999.
IF (SYSMIS(K4Q23)) MedEmotion_16 = 99.
IF K4Q23 = 2 MedEmotion_16 = 2.
IF K4Q23 = 1 MedEmotion_16 = 1.
IF K2Q31D = 1 MedEmotion_16 = 1.
IF AUTISMMED = 1 MedEmotion_16 = 1.
IF SC_AGE_YEARS < 3 MedEmotion_16 = 90.
VARIABLE LABELS MedEmotion_16 "Indicator 2.9: Children who are taking medication for autism/ASD,
ADHD, emotions, concentration or behavior, age 3-17 years".
VALUE LABELS MedEmotion_16
1 "Yes"
2 "No"
99 "Missing"
90 "Children age 0-2 years".
MISSING VALUES MedEmotion_16(90,99).
FORMATS MedEmotion_16(f2.0).
EXECUTE.

```

Indicator 3.1	Children's health insurance status
Description	Is this child currently covered by any kind of health insurance or health coverage plan?
Survey Items Used	Survey instrument item number: for children 0-5 years: E1, E3; for children 6-11 years: E1, E3; for children 12-17 years: E1, E3; Variable in public use data file: CURRINS; K3Q04_R; CURRCOV
Denominator	Children age 0-17 years
Numerator	Children currently insured, Children currently not insured
<b>Notes for Data-Users</b>	
<p>This measure was derived using the CURRINS variable provided in the 2016 NSCH public use data file. CURRINS variable was constructed from the responses in K3Q04_R (whether the child was covered by any kind of health insurance during the past 12 months), CURRCOV (whether the child covered with any health insurance at the time of the survey) and type of insurance coverage. Children who had coverage for all the last 12 months (K3Q04_R=1) or currently insured (CURRCOV=1) were categorized as children who are currently insured. However, If child's health insurance coverage is reported to be ONLY Indian Health Service or health care sharing ministry, that child was considered as not having current health insurance even the response indicate that the child is currently insured.</p>	
<b>Revisions in 2016</b>	
<p>The 2011/12 NSCH defined health insurance coverage as "health insurance, prepaid plans such as HMOs, or government plans such as Medicaid". In the 2016 NSCH, the current insurance question is asked among children who answered "Yes, but the child had a gap in coverage" or "No" to K3Q04_R: "During the past 12 months, was this child EVER covered by ANY kind of health insurance or health coverage plan?" followed by a question asks about the type of health insurance and insurance coverage plan. For more information about the changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE CURRINS (1=1) (2=2) (SYSMIS=99) into CurrIns_16. VARIABLE LABELS CurrIns_16 "Indicator 3.1: Health insurance status at time of survey". VALUE LABELS CurrIns_16 1 "Currently insured" 2 "Currently uninsured" 99 "Missing". MISSING VALUES CurrIns_16(99). FORMATS CurrIns_16(f4.0). EXECUTE. </pre>	

Indicator 3.2	Consistency of insurance coverage
Description	Did this child have consistent health insurance coverage during the past 12 months?
Survey Items Used	Survey instrument item number: for children 0-5 years: E1; for children 6-11 years: E1; for children 12-17 years: E1 Variable in public use data file: INSGAP; K3Q04_R
Denominator	Children age 0-17 years
Numerator	Children who have had continuous health insurance coverage during the past 12 year; Children who did not have health insurance or had periods of no coverage during the past 12 months
<b>Notes for Data-Users</b>	
<p>This measure was derived using the INSGAP variable provided in the 2016 NSCH public use data file. INSGAP variable was constructed from the responses in K3Q04_R (whether the child was covered by any kind of health insurance during the past 12 months), CURRCOV (whether the child was covered with any health insurance at the time of the survey) and type of insurance coverage. This measure combines the following responses to INSGAP: "Yes child had any kind of insurance, but had a gap in coverage" and "No, child did not have any insurance during the past 12 months", as "child did not have continuous coverage during the past 12 months". It is important to note that consistency of the coverage was considered as missing if the child was currently insured but the type of coverage was ONLY Indian Health Service or health care sharing ministry.</p>	
<b>Revisions in 2016</b>	
<p>In the 2011/12 NSCH, a question whether the child was currently insured was asked first. This was followed by a question about whether the child had periods with no insurance coverage. Children with gaps in their health insurance coverage were defined by combining responses to whether the child currently had health insurance coverage (K3Q01) and whether currently insured children had periods with no insurance (K3Q03) but did take into account the type of insurance. In the 2016 NSCH, those children with only Indian Health Service or health care sharing ministry were set to missing (considered not to be currently insured).</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE InsGap_16 = 999. IF INSGAP = 1 InsGap_16 = 1. IF INSGAP = 2 or INSGAP = 3 InsGap_16 = 2. IF CURRINS = 2 InsGap_16 = 2. IF (SYSMIS(INSGAP)) InsGap_16 = 99. VARIABLE LABELS InsGap_16 "Indicator 3.2: Children who had consistent health insurance coverage during the past 12 months". VALUE LABELS InsGap_16 1 "Insured continuously all year" 2 "Child had a gap in coverage" </pre>	

**Child and Family Health Measures – Health Insurance Coverage**

```
99 "Missing".  
MISSING VALUES InsGap_16(99).  
FORMATS InsGap_16(f4.0).  
EXECUTE.
```

Indicator 3.3	Type of health insurance
Description	What type of health insurance coverage, if any, did the child have at the time of the survey?
Survey Items Used	Survey instrument item number for children 0-5 years: E4; for children 6-11 years: E4; for children 12-17 years: E4 Variable in public use data file: INSTYPE
Denominator	Children age 0-17 years
Numerator	Children with public health insurance; Children with private health insurance; Children with insurance coverage, type is unknown; Children with no current insurance coverage

#### Notes for Data-Users

This measure was derived from two questions: whether the child was currently insured (CURRCOV); and the child's type of insurance. "Public insurance" is defined as "Medicaid, Medical Assistance, or any kind of government assistance plan for those with low incomes or a disability". "Insurance through a current or former employer or union", "Insurance purchased directly from an insurance company", or "TRICARE or other military health care" or coverage through the Affordable Care Act or other private insurance are grouped together as "private insurance". Children identified as only having Indian Health Services or a religious health share as an insurance type were considered to have "no current insurance coverage". Children identified as only having Indian Health Services or a religious health share as an insurance type were considered to have "no current insurance coverage".

#### Revisions in 2016

In the 2011/12 NSCH, public insurance was defined as "Medicaid or the State Children's Health Insurance Program, SCHIP" -- and named the Medicaid and/or SCHIP programs within the state the child resided in. Children who were insured but did not have public insurance were coded as having private insurance coverage.

In the 2016 NSCH, parents who indicated that their child is currently covered by any kind of health insurance/coverage were able to select the type of insurance from a list, with an open-ended field for "other insurance type". Responses to the open-ended field were recoded to "other public insurance", "other private insurance", "coverage through the Affordable Care Act" and a "religious health share". These recoded types of health insurance coverage were grouped into the appropriate health insurance categories.

Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

RECODE INSTYPE

(SYSMIS=99) (else=copy) into instype\_16.

VARIABLE LABELS instype\_16 "Indicator 3.3: Type of current health insurance".

VALUE LABELS instype\_16

1 "Public only"

2 "Private only "

3 "Public and private"

#### Child and Family Health Measures – Health Insurance Coverage

```
4 "Insured, type unknown"  
5 "Uninsured"  
99 "Missing".  
MISSING VALUES instype_16(99).  
FORMATS instype_16(f4.0).  
EXECUTE.
```

Indicator 3.4	Adequacy of current insurance
Description	Is this child's current insurance coverage usually/always adequate to meet his/her needs?
Survey Items Used	Survey instrument item number for children 0-5 years: E3, E5, E6, F1, F2; for children 6-11 years: E3, E5, E6, F1, F2; for children 12-17 years: E3, E5, E6, F1, F2; Variables in public use data file: CURREINS; K3Q20; K3Q22; HOWMUCH; K3Q21B
Denominator	Children age 0-17 years who are currently insured
Numerator	Child's current insurance is adequate for child's needs; Child's current insurance is NOT adequate for child's needs

#### Notes for Data-Users

Five questions were used to create this measure: current health insurance coverage (CURRCOV); whether coverage is sufficient to meet the child's needs (K3Q20); how much they paid out-of-pocket for child's health care (HOWMUCH) and how often are these costs reasonable (K3Q21B); and whether insurance allows the child to see needed health care providers (K3Q22). Adequate insurance is defined by the following criteria: child currently has health insurance coverage AND benefits usually or always meet child's needs AND usually or always allow child to see needed providers AND either no out-of-pocket expenses or out-of-pocket expenses are usually or always reasonable.

#### Revisions in 2016

The 2011/12 NSCH asked whether parents paid any money for their children's health care. The 2016 NSCH allows parents to report how much money they paid in categorical amounts. Then, for those parents who paid any amount out of pocket, they were asked how often the costs were reasonable. There were changes to the wording of two question. For more information about the changes, [click here](#).

Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

RECODE K3Q20
(1=1) (2=2) (3 thru 4=3) (SYSMIS=99) into benefits_16.
IF (SYSMIS(CURREINS)) benefits_16=99.
IF CURREINS = 2 benefits_16=95.
VARIABLE LABELS benefits_16 "Current insurance coverage meets child's health needs".
VALUE LABELS benefits_16
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Uninsured".
MISSING VALUES benefits_16 (95,99).
FORMATS benefits_16 (f3.0).
EXECUTE.

RECODE K3Q22

```

```
(1=1) (2=2) (3 thru 4=3) (SYSMIS=99) into allows_16.
IF (SYSMIS(CURRINS)) allows_16 = 99.
IF CURRINS = 2 allows_16=95.
VARIABLE LABELS allows_16 "Current insurance coverage allows child to see needed provider".
VALUE LABELS allows_16
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Uninsured".
MISSING VALUES allows_16 (95,99).
FORMATS allows_16 (f3.0).
EXECUTE.
```

```
COMPUTE expense_16 = 999.
IF K3Q21B = 1 expense_16 = 1.
IF K3Q21B = 2 expense_16 = 2.
IF (K3Q21B = 3 or K3Q21B = 4) expense_16 = 3.
IF (SYSMIS(K3Q21B)) expense_16=99.
IF HOWMUCH = 1 expense_16 = 0.
IF (SYSMIS(CURRINS)) expense_16 = 99.
IF CURRINS = 2 expense_16=95.
VARIABLE LABELS expense_16 "Current insurance coverage has reasonable out of pocket costs".
VALUE LABELS expense_16
0 'No out of pocket expenses'
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Uninsured".
MISSING VALUES expense_16 (95,99).
FORMATS expense_16 (f3.0).
```

```
MISSING VALUES benefits_16 allows_16 expense_16 ().
COMPUTE InsAdeq_16=999.
IF (benefits_16 = 1 or benefits_16 = 2 or benefits_16 = 99) and (allows_16 = 1 or allows_16 = 2 or
allows_16 = 99) and (expense_16 = 1 or expense_16 =2 or expense_16 = 99) InsAdeq_16 = 1.
IF expense_16 = 0 InsAdeq_16 = 1.
IF benefits_16 = 3 or allows_16 = 3 or expense_16 = 3 InsAdeq_16 = 2.
IF benefits_16 = 99 and allows_16 = 99 and expense_16 = 99 InsAdeq_16 = 99.
IF CURRINS = 2 InsAdeq_16 = 95.
VARIABLE LABELS InsAdeq_16 "Indicator 3.4: Adequacy of current Insurance coverage".
VALUE LABELS InsAdeq_16
1 "Current insurance adequate for child's needs"
2 "Current insurance NOT adequate for child's needs"
99 "Missing to all questions"
95 "Uninsured".
MISSING VALUES InsAdeq_16(95,99).
FORMATS InsAdeq_16(f4.0).
EXECUTE.
```

Indicator 3.4a	Adequate insurance
Description	Is this child adequately insured: current insurance is adequate and insured entire year during the past 12 months?
Survey Items Used	Survey instrument item number for children 0-5 years: E1,E3,E5,E6,E7,F1,F2; for children 6-11 years: E1,E3,E5,E6,E7, F1,F2; for children 12-17 years: E1,E3,E5,E6,E7, F1,F2 Variables in public use data file: INSGAP; CURREINS; K3Q20; K3Q22; HOWMUCH; K3Q21B
Denominator	Children age 0-17 years
Numerator	Children, age 0-17 years, whose insurance is adequate for child's needs; Children, age 0-17 years, whose current insurance is adequate for child's needs
<b>Notes for Data-Users</b>	
<p>"Adequacy of insurance" is defined as: 1) having continuous insurance in the past 12 months, and/or 2) having current insurance which is adequate for the child's healthcare needs (indicator 3.4). The measure is only considered missing if both items are missing. Therefore, children with a valid, positive response to one item and the other item was missing are categorized as having adequate insurance.</p> <p>In the 2016 NSCH, survey item K3Q04_R asked whether the child was continuously insured during the past 12 months. If the child was not continuously insured, a question asked whether the child currently covered by any health insurance. The child's current insurance was considered adequate when the following criteria were met: 1) the child currently has health insurance coverage, AND 2) benefits usually or always meet child's needs, AND 3) the insurance usually or always allows the child to see needed providers, AND 4) the insurance either has no out-of-pocket expenses or out-of-pocket expenses are usually or always reasonable.</p>	
<b>Revisions in 2016</b>	
<p>In the 2011/12 NSCH, this question asked whether families paid any money for their children's health care. The 2016 NSCH asked parents to report how much money they paid in categorical responses. The question then asked how often the costs were reasonable among those parents who paid any amount out-of-pocket. Additionally, in the 2016 NSCH, consistency of health insurance during the past 12 months is included in the scoring of the measure.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE insurance_16 = 1. IF (InsGap_16 = 1 or InsGap_16 = 99) and (InsAdeq_16 = 1 or InsAdeq_16 =99) insurance_16 = 1. IF CurreIns_16 = 2 or InsGap_16 = 2 or InsAdeq_16 = 2 insurance_16 = 2. IF InsGap_16 = 99 and InsAdeq_16 = 99 insurance_16 = 99. VARIABLE LABELS insurance_16 "Indicator 3.4a: Children who have adequate insurance and were covered entire year". VALUE LABELS insurance_16 1 "Have adequate insurance covered entire year" </pre>	

#### Child and Family Health Measures – Health Insurance Coverage

2 "Do not have adequate insurance"

99 "Missing to both".

MISSING VALUES insurance\_16 ().

FORMATS insurance\_16 (f2.0).

Indicator 3.5	Insurance coverage for mental health care, age 3-17 years
Description	Thinking specifically about this child's mental or behavioral health needs, how often does this child's health insurance offer benefits or cover services that meet these needs?
Survey Items Used	Survey instrument item number: for children 0-5 years: E7; for children 6-11 years: E7; for children 12-17 years: E7 Variable in public use data file: MENBEVCOV
Denominator	Children age 3-17 years who used mental or behavioral health services
Numerator	Children whose health insurance always offers benefits or covers services that meet their mental or behavioral health needs; Children whose health insurance usually offers benefits or covers services that meet their mental or behavioral health needs; Children whose health insurance sometimes/never offers benefits or covers services that meet their mental or behavioral health needs
Notes for Data-Users	This measure was derived from a single item.
Revisions in 2016	This item is new in the 2016 NSCH.
SPSS Syntax and Annotation	<pre> RECODE MENBEVCOV (1=1) (2=2) (3 thru 4=3) (5=96) (SYSMIS=99) into InsMentH_16. IF CURRINS = 2 InsMentH_16 = 96. IF SC_AGE_YEARS &lt; 3 InsMentH_16 = 95. VARIABLE LABELS InsMentH_16 "Indicator 3.5: Insurance coverage for mental/behavioral health care, age 3-17 years who are insured and received mental health care". VALUE LABELS InsMentH_16 1 "Always" 2 "Usually" 3 "Sometimes/Never" 96 "Did not receive mental health services/Uninsured at time of the survey" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES InsMentH_16(95,96,99). FORMATS InsMentH_16(f4.0). EXECUTE. </pre>

Indicator 3.6	Out-of-pocket cost for health care
Description	Including co-pays and amounts from Health Savings Accounts (HSA) and Flexible Spending Accounts (FSA), how much money did you pay for this child's medical, health, dental, and vision care during the past 12 months?
Survey Items Used	Survey instrument item number for children 0-5 years: F1; for children 6-11 years: F1; for children 12-17 years: F1 Variable in public use data file: HOWMUCH
Denominator	Children age 0-17 years
Numerator	Children whose family did not have medical or health care expenses or paid less than \$250 for their children's health care; Children whose family paid \$250 - \$499 for their children's health care; Children whose family paid \$500 - \$999 for their children's health care; Children whose family paid \$1000-\$5000 for their children's health care; Children whose family paid more than \$5000 for their children's health care
<b>Notes for Data-Users</b>	
Parents were asked "not to include health insurance premiums or costs that were or will be reimbursed by insurance or another source" when they responded to this question.	
<b>Revisions in 2016</b>	
This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of this question. For more information about the changes, <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE HOWMUCH (1 thru 2=1) (3=2) (4=3) (5=4) (6=5) (SYSMIS=99) into OutOfPckt_16. VARIABLE LABELS OutOfPckt_16 "Indicator 3.6: Out-of-pocket payment for child's health care including medical, dental and vision care during the past 12 months". VALUE LABELS OutOfPckt_16 1 "No medical or health care expenses or less than \$250" 2 "\$250 - \$499" 3 "\$500 - \$999" 4 "\$1000 - \$5000" 5 "More than \$5000" 99 "Missing". MISSING VALUES OutOfPckt_16(99). FORMATS OutOfPckt_16(f4.0). EXECUTE. </pre>	

Indicator 4.1	Medical care visit
Description	During the past 12 months, did this child see a doctor, nurse, or other health care professional for sick-child care, well-child check-ups, physical exams, hospitalizations or any other kind of medical care?
Survey Items Used	Survey instrument item number: for children 0-5 years: C1; for children 6-11 years: C1; for children 12-17 years: C1 Variable in public use data file: S4Q01
Denominator	Children age 0-17 years
Numerator	Children who saw a doctor, nurse, or other health care professional for any kind of medical care in the past 12 months; Children who did not see a doctor, nurse, or other health care professional for any kind of medical care in the past 12 months
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the wording changes, <a href="#">click here</a> . The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE S4Q01 (SYSMIS=99) (else=copy) into MedCare_16. VARIABLE LABELS MedCare_16 "Indicator 4.1: Children who received any type of medical care during the past 12 months". VALUE LABELS MedCare_16 1 "Received medical care" 2 "Did not receive any medical care" 99 "Missing". MISSING VALUES MedCare_16(99). FORMATS MedCare_16(f2.0). EXECUTE. </pre>	

Indicator 4.1a	Preventive medical visit
Description	During the past 12 months, how many times did this child visit a doctor, nurse, or other health care professional to receive a preventive check-up?
Survey Items Used	Survey instrument item number for children 0-5 years: C2, C1; for children 6-11 years: C2, C1; for children 12-17 years: C2, C1 Variable in public use data file: S4Q01; K4Q20R
Denominator	Children age 0-17 years
Numerator	Children who had one or more preventive medical visits in the past 12 months; Children who did not have preventive medical visits during past 12 months
Notes for Data-Users	N/A
Revisions in 2016	<p>There were changes to the wording of the question. The 2011/12 NSCH asked parents to report the number of preventive medical care visits during the past 12 months, and the response was reported as a continuous number. Response options were reported as categorical (No visit, 1 visit or 2 or more visits) in the 2016 NSCH. For more information about the changes, <a href="#">click here</a>.</p> <p>The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>
SPSS Syntax and Annotation	<pre> COMPUTE PrevMed_16 = 999. IF K4Q20R=2 or K4Q20R = 3 PrevMed_16 = 1. IF K4Q20R = 1 PrevMed_16 = 2. IF (SYSMIS(K4Q20R)) PrevMed_16 = 99. IF S4Q01 = 2 PrevMed_16 = 2. IF (SYSMIS(S4Q01)) PrevMed_16 = 99. VARIABLE LABELS PrevMed_16 "Indicator 4.1a: Children who had one or more preventive medical care visits during past 12 months". VALUE LABELS PrevMed_16 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing". MISSING VALUES PrevMed_16(99). FORMATS PrevMed_16(f2.0). EXECUTE. </pre>

Indicator 4.1b	Time with doctor during the preventive medical visit
Description	Thinking about the last time you took this child for a preventive check-up, about how long was the doctor or health care provider who examined this child in the room with you?
Survey Items Used	Survey instrument item number for children 0-5 years: C3; for children 6-11 years: C3; for children 12-17 years: C3 Variable in public use data file: DOCROOM
Denominator	Children age 0-17 years who had a preventive medical visit in the past 12 months
Numerator	Children who had preventive visits and doctor examined them less than 10 minutes; Children who had preventive visits and doctor examined them less 10-20 minutes; Children who had preventive visits and doctor examined them more than 20 minutes
<b>Notes for Data-Users</b>	
This survey question was only asked among children who had a preventive care visit in the past 12 months.	
<b>Rewrites in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE VisitTime_16 = 999. IF DOCROOM = 1 VisitTime_16 = 1. IF DOCROOM = 2 VisitTime_16 = 2. IF DOCROOM = 3 VisitTime_16 = 3. IF (SYSMIS(DOCROOM)) VisitTime_16 = 99. IF PrevMed_16 = 2 VisitTime_16 = 95. IF PrevMed_16 = 99 VisitTime_16 = 99. VARIABLE LABELS VisitTime_16 "Indicator 4.1b: Time with doctor during last preventive check-up". VALUE LABELS VisitTime_16 1 "Less than 10 minutes" 2 "10-20 minutes" 3 "More than 20 minutes" 95 "No preventive care visits during last 12 months" 99 "Missing". MISSING VALUES VisitTime_16(95,99). EXECUTE. </pre>	

Indicator 4.1c	<b>Doctor spoke with child privately, age 12-17 years</b>
<b>Description</b>	At his or her last preventive check-up, did this child have a chance to speak with a doctor or other health care provider privately, without you or another adult in the room?
<b>Survey Items Used</b>	Survey instrument item number for children 12-17 years: C4 Variable in public use data file: DOCPRIVATE
<b>Denominator</b>	Children age 12-17 years who had a preventive medical visit in the past 12 months
<b>Numerator</b>	Children who had preventive visits and doctor spoke with them privately without an adult in the rooms; Children who had preventive visits and doctor spoke with them privately without an adult in the room
<b>Notes for Data-Users</b>	
This survey question was only asked among children 12-17 years who had a preventive care visit in the past 12 months.	
<b>Rewritten in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrivateTalk_16 = 999. IF DOCPRIVATE = 1 PrivateTalk_16 = 1. IF DOCPRIVATE = 2 PrivateTalk_16 = 2. IF SYSMIS(DOCPRIVATE) PrivateTalk_16 = 99. IF PrevMed_16 = 2 PrivateTalk_16 = 95. IF PrevMed_16 = 99 PrivateTalk_16 = 99. IF SC_AGE_YEARS &lt; 12 PrivateTalk_16 = 90. VARIABLE LABELS PrivateTalk_16 "Indicator 4.1c: Children whose doctors spoke with them privately without an adult in the room during last preventive check-up, age 12-17 years". VALUE LABELS PrivateTalk_16 1 "Yes" 2 "No" 99 "Missing" 95 "No preventive care visits in past 12 months" 90 "Children age 0-11 years". MISSING VALUES PrivateTalk_16(90,95,99). FORMATS PrivateTalk_16(f2.0). EXECUTE. </pre>	

Indicator 4.2	Dentist visit, age 1-17 years
Description	During the past 12 months, did this child see a dentist or other oral health care provider for any kind of dental or oral health care?
Survey Items Used	Survey instrument item number for children 0-5 years: C15; for children 6-11 years: C13; for children 12-17 years: C14 Variable in public use data file: K4Q30_R
Denominator	Children age 1-17 years
Numerator	Children who saw a dentist or other oral health care provider in the past 12 months; Children who did not see a dentist or other oral health care provider in the past 12 months
<b>Notes for Data-Users</b>	
Children younger than one year of age were not included in this measure. This measure combines "dentist" and "other oral health care providers" responses into "received dental care".	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the changes, <a href="#">click here</a> . The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DentCare_16 = 999. IF K4Q30_R = 1 or K4Q30_R= 2 DentCare_16 = 1. IF K4Q30_R = 3 DentCare_16 = 2. IF (SYSMIS(K4Q30_R)) DentCare_16 = 99. IF SC AGE_YEARS &lt; 1 DentCare_16 = 95. VARIABLE LABELS DentCare_16 "Indicator 4.2: Children who received any type of dental care during the past 12 months, age 1-17 years". VALUE LABELS DentCare_16 1 "Saw dentist and/or other oral health care provider" 2 "No dental or oral health care visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES DentCare_16(95,99). FORMATS DentCare_16(f2.0). EXECUTE. </pre>	

Indicator 4.2a	Preventive dental care, age 1-17 years
Description	During the past 12 months, did this child see a dentist or other oral health care provider for preventive dental care, such as check-ups, dental cleanings, dental sealants, or fluoride treatments?
Survey Items Used	Survey instrument item number: for children 0-5 years: C15, C16; for children 6-11 years: C13, C14; for children 12-17 years: C14, C15 Variable in public use file: K4Q30_R; DENTISTVISIT
Denominator	Children age 1-17 years
Numerator	Children who did not have preventive dental visits during the past 12 months; Children who had one or more preventive dental visits in the past 12 months
<b>Notes for Data-Users</b>	
Children younger than one year of age are not included in this measure.	
<b>Revisions in 2016</b>	
<p>The 2011/12 NSCH asked parents to report the number of preventive dental visits during the past 12 months, and the response was reported as a continuous number. Response options were reported as categorical (No visit, 1 visit or 2 or more visits) in the 2016 NSCH. For more information about the changes, <a href="#">click here</a>.</p> <p>The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrevDent_16 = 999. IF DENTISTVISIT = 2 or DENTISTVISIT = 3 PrevDent_16 = 1. IF DENTISTVISIT = 1 PrevDent_16 = 2. IF (SYSMIS(DENTISTVISIT)) PrevDent_16 = 99. IF K4Q30_R = 3 PrevDent_16 = 2. IF (SYSMIS(K4Q30_R)) PrevDent_16 = 99. IF SC_AGE_YEARS &lt; 1 PrevDent_16 = 95. VARIABLE LABELS PrevDent_16 "Indicator 4.2a: Children who had one or more preventive dental care visits during the past 12 months, age 1-17 years". VALUE LABELS PrevDent_16 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES PrevDent_16(95,99). FORMATS PrevDent_16(f2.0). EXECUTE. </pre>	

Indicator 4.3	Received both preventive medical and dental care
Description	During the past 12 months, did this child receive both routine preventive medical and dental care visits?
Survey Items Used	Survey instrument item number for children 0-5 years: C2,C1,C15,C16; for children 6-11 years: C1,C2,C13,C14; for children 12-17 years: C1,C2,C14,C15; Variables in public use data file: S4Q01; K4Q20R; K4Q30_R; DENTISTVISIT
Denominator	Children age 0-17 years
Numerator	Children who did not receive both medical and dental preventive care in the past 12 months; Children who received both medical and dental preventive care in the past 12 months
<b>Notes for Data-Users</b>	
This measure is a composite measure, combining the parents' response to their child's receipt of preventive medical care and preventive dental care. Children age 1-17 must meet criteria for both medical and dental preventive care. Children under 1, who were not asked the questions about dental care, qualify based only on preventive medical care.	
<b>Revisions in 2016</b>	
There were minor changes to the wording of the questions. For more information about the changes <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MedDentCare_16 = 999. IF PrevMed_16 = 1 and (PrevDent_16=1 or PrevDent_16=95) MedDentCare_16 = 1. IF PrevMed_16 = 2 or PrevDent_16 = 2 MedDentCare_16 = 2. IF PrevMed_16 = 99 or PrevDent_16 = 99 MedDentCare_16 = 99. VARIABLE LABELS MedDentCare_16 "Indicator 4.3: Children received both preventive medical and dental care visits in past 12 months ". VALUE LABELS MedDentCare_16 1 "Received preventive medical and dental care" 2 "Did not receive preventive medical and dental care" 99 "Missing to any". MISSING VALUES MedDentCare_16(99). FORMATS MedDentCare_16(f2.0). EXECUTE. </pre>	

Indicator 4.4	Received mental health care, age 3-17 years
Description	During the past 12 months, has this child received any treatment or counseling from a mental health professional?
Survey Items Used	Survey instrument item number for children 0-5 years: C18; for children 6-11 years: C16; for children 12-17 years: C17 Variable in public use data file: K4Q22_R
Denominator	Children age 3-17 years
Numerator	Children who received treatment or counseling from a mental health professional during the past 12 months; Children who did not receive needed treatment or counseling from a mental health professional during the past 12 months; Children who did not receive and did not need treatment or counseling from a mental health professional, during the past 12 months
<b>Notes for Data-Users</b>	
This measure is derived from a single item which asks about whether the child received any treatment or counseling from a medical health professional (K4Q22).	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, this question was asked among children 2-17 years, and the denominator of this measure was children age 2-17 who were found to have an emotional, developmental, or behavioral problem from the CSHCN Screener.  The 2016 NSCH question was asked among all children 0-17 years, and the "No" response from the 2011/12 NSCH was broken down in 2 responses in the 2016 NSCH: "No, but needed to see a mental health professional" and "No, did not need to see a mental health professional".	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K4Q22_R (SYSMIS=99) (else=copy) into MentHCare_16. IF SC_AGE_YEARS &lt; 3 MentHCare_16 = 95. VARIABLE LABELS MentHCare_16 "Indicator 4.4: Children who received needed treatment or counseling from a mental health professional during the past 12 months, age 3-17 years". VALUE LABELS MentHCare_16 1 "Received mental health care" 2 "Did not receive mental health care, but needed" 3 "Did not receive mental health care, DID NOT need" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES MentHCare_16(95,99). FORMATS MentHCare_16(f2.0). EXECUTE. </pre>	

Indicator 4.4a	Problems obtaining mental health care, age 3-17 years
Description	How much of a problem was it to get the mental health treatment or counseling that this child needed?
Survey Items Used	Survey instrument item number for children 0-5 years: C19; for children 6-11 years: C17; for children 12-17 years: C18 Variable in public use data file: K4Q22_R ; TREATNEED
Denominator	Children age 3-17 years who needed any mental health treatment or counseling
Numerator	Children who needed mental health treatment or counseling and had no problem to get the care; Children who needed mental health treatment or counseling and had a small problem; Children who needed mental health treatment or counseling and had a big problem
<b>Notes for Data-Users</b>	
The denominator of this measure is based on the response to the question which asks whether the child received a specialist care (K4Q22_R). The children whose response was, "Did not receive care from a mental health professional, the child did not need to see a mental health professional" are not included in the denominator.	
<b>Revisions in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE TREATNEED (1=1) (2 thru 3=2) (SYSMIS=99) into MentHProb_16. IF K4Q22_R = 3 MentHProb_16 = 95. IF SYSMIS(K4Q22_R) MentHProb_16 = 99. IF SC_AGE_YEARS &lt; 3 MentHProb_16 = 96. VARIABLE LABELS MentHProb_16 "Indicator 4.4a: Problems obtaining mental health care among those who received or needed care, age 3-17 years". VALUE LABELS MentHProb_16 1 "Received or needed mental health care and did NOT have problem getting it" 2 "Received or needed mental health care but had a small or big problem getting it" 99 "Missing" 95 "Did not need to see a mental health professional" 96 "Children age 0-2 years". MISSING VALUES MentHProb_16(95,96,99). FORMATS MentHProb_16(f2.0). EXECUTE. </pre>	

Indicator 4.5	Received care from a specialist doctor
Description	During the past 12 months, did this child see a specialist other than a mental health professional?
Survey Items Used	Survey instrument item number for children 0-5 years: C21; for children 6-11 years: C19; for children 12-17 years: C20; Variable in public use data file: K4Q24_R
Denominator	Children age 0-17 years
Numerator	Children who received care from a specialist during the past 12 months; Children who did not receive care from a specialist during the past 12 months
<b>Notes for Data-Users</b>	
This measure is derived from a single item which asks whether the child received any treatment or counseling from a medical health professional (K4Q24_R).	
<b>Revisions in 2016</b>	
The “No” response from the 2011/12 NSCH was broken down in 2 responses in the 2016 NSCH: “No, but needed to see a specialist” and “No, did not need to see a specialist”. Due to changes in the survey’s mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K4Q24_R (SYSMIS=99) (else=copy) into SpecCare_16. VARIABLE LABELS SpecCare_16 "Indicator 4.5: Received care from a specialist doctor other than a mental health professional during the past 12 months". VALUE LABELS SpecCare_16 1 "Received care from a specialist" 2 "Did not receive care from a specialist, but needed" 3 "Did not receive care from a specialist, DID NOT need" 99 "Missing". MISSING VALUES SpecCare_16(99). FORMATS SpecCare_16(f2.0). EXECUTE. </pre>	

Indicator 4.5a	Problems obtaining specialist care
Description	How much of a problem was it to get the specialist care that this child needed?
Survey Items Used	Survey instrument item number for children 0-5 years: C21,C22; for children 6-11 years: C19,C20; for children 12-17 years: C20,C21 Variable in public use data file: K4Q24_R; K4Q26
Denominator	Children age 0-17 years
Numerator	Children who received or needed specialist care and did NOT have problem getting it; Children who received or needed specialist care but had a problem getting it
Notes for Data-Users	The denominator of this measure is based on the response to the question which asks whether the child received a specialist care (K4Q24_R). The children whose response was "Did not receive specialist care, the child did not need to see a specialist" are not included in the denominator.
Revisions in 2016	This item is new in the 2016 NSCH.
SPSS Syntax and Annotation	<pre> COMPUTE SpCareProb_16 = 999. IF K4Q26 = 1 SpCareProb_16 = 1. IF K4Q26 = 2 or K4Q26 = 3 SpCareProb_16 = 2. IF (SYSMIS(K4Q26)) SpCareProb_16 = 99. IF K4Q24_R = 3 SpCareProb_16 = 95. IF (SYSMIS(K4Q24_R)) SpCareProb_16 = 99. VARIABLE LABELS SpCareProb_16 "Indicator 4.5a: Problem obtaining specialist care among those who received specialist care during the past 12 months". VALUE LABELS SpCareProb_16 1 "Received or needed specialist care and did NOT have problem getting it" 2 "Received or needed specialist care but had a small or big problem getting it" 99 "Missing" 95 "Did not need care from a specialist". MISSING VALUES SpCareProb_16(95,99). FORMATS SpCareProb_16(f2.0). EXECUTE. </pre>

Indicator 4.6	Vision test
Description	Has this child had his or her vision tested with pictures, shapes, or letters ever (0-5 years) or during the past 2 years (6-17 years)?
Survey Items Used	Survey instrument item number for children 0-5 years: C13; for children 6-11 years: C11; for children 12-17 years: C12 Variable name in public use data file: K4Q31_R
Denominator	Children age 0-17 years
Numerator	Children who have had their vision tested in the past 12 months; Children who have not had their vision tested in the past 12 months
<b>Notes for Data-Users</b>	
The reference period for the question is different depending on the child's age group. For children age 0-5 years, this question reads, "Has this child ever had his or her vision tested with pictures, shapes, or letters?" For children age 6-17 years, it reads, "During the past 2 years, has this child had his or her vision tested with pictures, shapes, or letters?"	
<b>Rewritten in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K4Q31_R (SYSMIS=99) (else=copy) into VisnTest_16. VARIABLE LABELS VisnTest_16 "Indicator 4.6: Children who received vision screening ever (0-5 years)/ during the past 2 years (6-17 years)". VALUE LABELS VisnTest_16 1 "Received vision screening" 2 "Did not receive vision screening" 99 "Missing". MISSING VALUES VisnTest_16(99). FORMATS VisnTest_16(f4.0). EXECUTE. </pre>	

Indicator 4.7	Hospital emergency room visit
Description	During the past 12 months, how many times did this child visit a hospital emergency room?
Survey Items Used	Survey instrument item number for children 0-5 years: C28; for children 6-11 years: C26; for children 12-17 years: C27 Variable in public use data file: HOSPITALER
Denominator	Children age 0-17 years
Numerator	Children who had no hospital emergency room visit; Children who had 1 hospital emergency room visit; Children who had 2 or more hospital emergency room visit
Notes for Data-Users	This measure was derived from a single item.
Revisions in 2016	This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). The 2009/10 NS-CSHCN asked parents to report the number of hospital emergency room visits during the past 12 months/since birth, and the response was reported as a continuous number. Response options were reported as categorical (No visit, 1 visit or 2 or more visits) in the 2016 NSCH. For more information about the change <a href="#">click here</a> .  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.
SPSS Syntax and Annotation	<pre> RECODE HOSPITALER (SYSMIS=99) (else=copy) into ERVisit_16. VARIABLE LABELS ERVisit_16 "Indicator 4.7: Number of hospital emergency room visits for any health reason in the past 12 months". VALUE LABELS ERVisit_16 1 "No visits" 2 "1 visit" 3 "2 or more visits" 99 "Missing". MISSING VALUES ERVisit_16(99). FORMATS ERVisit_16(f2.0). EXECUTE. </pre>

Indicator 4.8	<b>Alternative health care or treatment</b>
<b>Description</b>	During the past 12 months, did this child use any type of alternative health care or treatment?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C23; for children 6-11 years: C21; for children 12-17 years: C22 Variable in public use data file: ALTHEALTH
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children used any type of alternative health care or treatment; Children did not use any type of alternative health care or treatment
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions in 2016</b>	
This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were wording changes to this question. For more information about the changes, <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE ALTHEALTH (SYSMIS=99) (else=copy) into AlterHC_16. VARIABLE LABELS AlterHC_16 "Indicator 4.8: Use of alternative health care or treatment during the past 12 months". VALUE LABELS AlterHC_16 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES AlterHC_16(99). FORMATS AlterHC_16(f2.0). EXECUTE. </pre>	

Indicator 4.9	<b>Doctor asked about parental concerns, age 0-5 years</b>
<b>Description</b>	During the past 12 months, did this child's doctors or other health care providers ask if you have concerns about this child's learning, development, or behavior?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C7; Variable in public use data file: K6Q10
<b>Denominator</b>	Children age 0-5 years who visited or used a health service in the past 12 months
<b>Numerator</b>	Children who had doctor visit but parents were not asked about concerns; Children who had doctor visit during which parents were asked about concerns

#### Notes for Data-Users

This indicator measures the prevalence of developmental surveillance among young children. This survey item asks parents whether they were asked by a health professional about their concerns regarding their child's learning, development, or behavior.

In the 2011/12 NSCH, children aged 0-5 years were not asked this question if they did not receive any of the five services (NUMB\_SERVICES=0): any medical visits (S4Q01) preventive dental visits (K4Q30), saw a mental health professional (K4Q22), saw a specialist for care (K4Q24), or needed to see a specialist (K4Q25) in the past 12 months. In the 2016, this question was asked among all children age 0-5 years, and the denominator of this measure is children age 0-5 years who received any of the four services: medical care, dental care, mental health care or a specialist care in the past 12 months.

#### Revisions in 2016

The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

RECODE K6Q10
(SYMSIS=99) (else=copy) into DrAskConc_16.
IF Ct1NumbSer_16 < 1 or Ct1NumbSer_16 = 99 DrAskConc_16=95.
IF SC_AGE_YEARS > 5 DrAskConc_16 = 90.
VARIABLE LABELS DrAskConc_16 "Indicator 4.9: Doctor asked about parental concerns about the child's
learning, development, or behavior, age 0-5 years".
VALUE LABELS DrAskConc_16
1 "Yes"
2 "No"
99 "Missing"
95 "Did not use any of 4 services"
90 "Children age 6-17 years".
MISSING VALUES DrAskConc_16(90,95,99).
EXECUTE.

```

Indicator 4.10	Developmental screening, age 9-35 months
Description	Did this child receive a developmental screening using a parent-completed screening tool?
Survey Items Used	Survey instrument item number for children 0-5 years: C8 Variable in public use data file: K6Q12; K6Q13A; K6Q13B; K6Q14A; K6Q14B
Denominator	Children age 9-35 months
Numerator	Children whose parent did not complete a standardized developmental screening tool; Children whose parent completed standardized developmental screening tool
Notes for Data-Users	<p>The AAP recommends that all children should be screened for developmental delays during their regular well-check visits at 9, 18, 24 or 30 months. The measure uses age-appropriate questions to verify whether young children received developmental, behavioral and social screening using a parent-reported, standardized screening tool or instrument.</p> <p>Parents of children between 9 months and 5 years old were asked the question: "During the past 12 months, did a doctor or other health care provider have you or another caregiver fill out a questionnaire about specific concerns or observations you may have about this child's development, communication, or social behaviors?" (K6Q12). If the response to K6Q12 was "Yes", parents were asked if the questionnaire covered language or social development (K6Q13 and K6Q13A, respectively, for ages 9-23 months, and K6Q14A and K6Q14B for ages 2-5 years).</p>
Revisions in 2016	<p>In the 2011/12 NSCH, developmental screening questions were asked among children 10 months to 71 months (5 years) who received one or more types of services: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES&gt;0). In the 2016 NSCH, these questions were asked among children 9-71 months. However, the denominator of this measure changed to all children 9-35 months to align with the AAP recommendation. The measure is considered missing if both types of contents are missing.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>
SPSS Syntax and Annotation	<pre> COMPUTE both_9to23 = 999. IF K6Q13A = 2 or K6Q13B = 2 both_9to23 = 2. IF (K6Q13A = 1 or (SYSMIS(K6Q13A))) and (K6Q13B = 1 or (SYSMIS(K6Q13B))) both_9to23 = 1. IF (SYSMIS(K6Q13A)) and (SYSMIS(K6Q13B)) both_9to23= 99. IF K6Q12 = 2 both_9to23 = 2. IF SC_AGE_LT9 = 1 both_9to23= 95. IF SC_AGE_YEARS &gt; 1 and SC_AGE_YEARS &lt; 6 both_9to23 = 95. IF SC_AGE_YEARS &gt; 5 both_9to23= 90. VARIABLE LABELS both_9to23 "Yes/screening occurred group -- ages 9-23 months". VALUE LABELS both_9to23 1 "Yes to both types or Yes to one and Missing to another type of content" </pre>

```

2 "No to at least one type of content"
99 "Missing to both types of content"
95 "Children age 0-8 months or 2-5 years"
90 "Children age 6-17 years".
EXECUTE.

COMPUTE both_24to35 = 999.
IF K6Q14A=2 or K6Q14B=2 both_24to35 = 2.
IF (K6Q14A = 1 or (SYSMIS(K6Q14A))) and (K6Q14B = 1 or (SYSMIS(K6Q14B))) both_24to35 = 1.
IF (SYSMIS(K6Q14A)) and (SYSMIS(K6Q14B)) both_24to35 = 99.
IF K6Q12 = 2 both_24to35 = 2.
IF SC_AGE_YEARS > 5 both_24to35 = 90.
IF SC_AGE_YEARS < 2 or (SC_AGE_YEARS>2 and SC_AGE_YEARS<6) both_24to35 = 95.
VARIABLE LABELS both_24to35 "Yes/screening occurred group -- ages 24-35 months".
VALUE LABELS both_24to35
1 "Yes to both types or Yes to one and Missing to another type of content"
2 "No to at least one type of content"
99 "Missing to both types of content"
95 "Children age 0-1 or 3-5 years"
90 "Children age 6-17 years".
EXECUTE.

COMPUTE DevScrnng_16 = 999.
IF both_9to23 = 1 or both_24to35 = 1 DevScrnng_16 = 1.
IF K6Q12 = 2 DevScrnng_16 = 2.
IF both_9to23 = 2 or both_24to35 = 2 DevScrnng_16 = 2.
IF both_9to23 = 99 or both_24to35 = 99 DevScrnng_16 = 99.
IF (SYSMIS(K6Q12)) DevScrnng_16 = 99.
IF SC_AGE_LT9 = 1 or (SC_AGE_YEARS>2 and SC_AGE_YEARS<6) DevScrnng_16 = 95.
IF SC_AGE_YEARS > 5 DevScrnng_16 = 90.
VARIABLE LABELS DevScrnng_16 "Indicator 4.10: Children who received a developmental screening
using a parent-completed screening tool, age 9-35 months".
VALUE LABELS DevScrnng_16
1 "Parent completed developmental screening"
2 "Parent did not complete developmental screening"
99 "Missing"
90 "Children age 6-17 years"
95 "Children age 0-8 months or 3-5 years".
MISSING VALUES DevScrnng_16(90,95,99).
EXECUTE.

```

Indicator 4.11	Special services for developmental needs
Description	Has this child ever received special services to meet his or her developmental needs such as speech, occupational, or behavioral therapy?
Survey Items Used	Survey instrument item number for children 0-5 years: C32, C34; for children 6-11 years: C30, C32; for children 12-17 years: C31, c33 Variable in public use data file: K4Q36 ; K4Q38
Denominator	Children age 0-17 years
Numerator	Children who currently receive special services to meet child's developmental needs; Children do not currently receive special services to meet child's developmental needs
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, this question was not asked if the child had never been diagnosed with ASD or a developmental delay. There were changes to the wording of the question. For more information about the question changes <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SpecServ_16 = 999. IF K4Q38 = 1 SpecServ_16 = 1. IF K4Q38 = 2 SpecServ_16 = 2. IF (SYSMIS(K4Q38)) SpecServ_16 = 99. IF K4Q36 = 2 SpecServ_16 = 2. IF (SYSMIS(K4Q36)) SpecServ_16 = 99. VARIABLE LABELS SpecServ_16 "Indicator 4.11: Children currently receive special services to meet child's developmental needs such as speech, occupational or behavioral therapy". VALUE LABELS SpecServ_16 1 "Currently receive services" 2 "Do not currently receive services" 99 "Missing". MISSING VALUES SpecServ_16(99). FORMATS SpecServ_16(f2.0). EXECUTE. </pre>	

Indicator 4.11a	Age started receiving special services for developmental needs
Description	How old was this child, in years, when he or she began receiving special services?
Survey Items Used	Survey instrument item number for children 0-5 years: C33; for children 6-11 years: C31; for children 12-17 years: C32 Variable in public use data file: K4Q37
Denominator	Children age 0-17 years who ever received special services
Numerator	Children who received special services when they were 2 years or younger years old; Children who received special services when they were 3-5 years old; Children who received special services when they were 6 years or older
<b>Notes for Data-Users</b>	
This question was only asked among children who ever received special services to meet their developmental needs.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, this question was not asked if the child had never been diagnosed with ASD or a developmental delay.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K4Q37 (0 thru 2=1) (3 thru 5=2) (6 thru 17=3) (SYSMIS=99) into SpSerAge_16. IF (SYSMIS(K4Q37)) SpSerAge_16 = 99. IF K4Q36 = 2 SpSerAge_16 = 0. IF (SYSMIS(K4Q36)) SpSerAge_16 = 99. VARIABLE LABELS SpSerAge_16 "Indicator 4.11a: Age start receiving special services to meet child's developmental needs such as speech, occupational or behavioral therapy". VALUE LABELS SpSerAge_16 0 "Never received the services" 1 "At age less than 3 years old" 2 "At age 3-5 years old" 3 "At age 6-17 years old" 99 "Missing". MISSING VALUES SpSerAge_16(0,99). FORMATS SpSerAge_16(f2.0). EXECUTE. </pre>	

Indicator 4.12	Medical home
Description	Did this child receive coordinated, ongoing, comprehensive care within a medical home?
Survey Items Used	Survey instrument item number for children 0-5 years: C9,C10, D1-D12; for children 6-11 years: C7,C8,D1-D12; for children 12-17 years: C8,C9, D1-D12 Variables in public use data file: K4Q01; K4Q02_R; USUALGO; USUALSICK; K4Q04; K5Q10; K5Q11; K5Q40; K5Q41; K5Q42; K5Q43; K5Q44; K5Q20_R; K5Q21; K5Q22; K5Q30; K5Q31_R; K5Q32
Denominator	Children age 0-17 years
Numerator	Children whose health care does not meet Medical Home criteria; Children whose health care meets Medical Home criteria
<b>Notes for Data-Users</b>	
<p>The American Academy of Pediatrics specifies seven qualities essential to medical home care: accessible, family-centered, continuous, comprehensive, coordinated, compassionate and culturally effective care. Ideally, medical home care is delivered within the context of a trusting and collaborative relationship between the child's family and a competent health professional who is familiar with the child and family and the child's health history.</p> <p>In the 2016 NSCH, the presence of a medical home was measured by a composite measure based on five components constructed from a total of 14 survey items. These components are:</p> <ul style="list-style-type: none"> <li>- Personal doctor or nurse</li> <li>- Usual source for sick care</li> <li>- Family-centered care</li> <li>- Problems getting needed referrals</li> <li>- Effective Care Coordination when needed.</li> </ul> <p>To qualify as having a Medical Home, children must meet the criteria for adequate care on the first three components: personal doctor or nurse, usual source for care, and family-centered care. In addition, children who needed referrals or care coordination must also meet criteria for those components in order to qualify as having a medical home. Children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home.</p> <p>Further information about the Medical Home concept and measurement is available on the Data Resource Center <a href="#">Medical Home portal</a>, and on the AAP <a href="#">Medical Home web page</a>. The medical home manual developed by the CAHMI is available on the <a href="#">DRC website</a>.</p>	
<b>Revisions in 2016</b>	
<p>There are a few changes to the Medical Home composite measure compared to the 2011/12 NSCH:</p> <p>(1) Usual source for care subcomponent: Even though the 2016 NSCH now asks about a usual source for preventive care, this subcomponent still only includes the usual source for sick care item. Additionally, in the 2016 NSCH, the response options for the follow up item about the type of places child usually goes for sick care do not include "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".</p> <p>(2) Care coordination subcomponent: In the 2011/12 NSCH, the care coordination component was measured among all children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES&gt;1). In the 2016 NSCH, the number of</p>	

children who needed care coordination was defined based on the parent's response to the question: "Does anyone helped you to arrange or coordinate care among different doctors or services that this child uses?". If the parent responded, "Did not see more than one health care provider in past 12 months" to the question (K5Q20\_R), it was assumed the child did not need care coordination.

(3) In the 2011/12 NSCH, when any component of medical home was missing, the entire composite medical home measure was considered missing. In the NSCH 2016, the composite medical home measure is only considered missing if all components are missing. Therefore, children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home. For more information about the changes, [click here](#).

Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

## SPSS Syntax and Annotation

\*\*Indicator 4.12a: Medical Home Component: Personal doctor or nurse

```
COMPUTE PerDrNs_16 = 999.
IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_16 = 1.
IF K4Q04_R = 3 PerDrNs_16 = 2.
IF (SYSMIS(K4Q04_R)) PerDrNs_16 = 99.
VARIABLE LABELS PerDrNs_16 "Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse".
VALUE LABELS PerDrNs_16
1 "Have at least one personal doctor or nurse"
2 "Do not have a personal doctor or nurse"
99 "Missing".
MISSING VALUES PerDrNs_16(99).
FORMATS PerDrNs_16(f4.0).
```

\*\*Indicator 4.12b: Medical Home Component: Usual source for sick care

```
COMPUTE UsualSck_16 = 999.
IF (SYSMIS(K4Q01)) or (SYSMIS(K4Q02_R)) UsualSck_16 = 99.
IF K4Q01 = 1 and (K4Q02_R=1 or K4Q02_R=3 or K4Q02_R=4 or K4Q02_R=5 or K4Q02_R=6 or K4Q02_R=7) UsualSck_16 = 1.
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_16 = 2.
VARIABLE LABELS UsualSck_16 "Usual sources for sick care".
VALUE LABELS UsualSck_16
1 "Have usual sources for sick care"
2 "Do not have usual sources for sick care"
99 "Missing".
```

\*\*\*Indicator 4.12c: Medical Home Component: Family-centered care

```
COMPUTE time_16 = 999.
IF (SYSMIS(K5Q40)) time_16 = 99.
IF S4Q01 = 2 time_16 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_16 = 3.
IF K5Q40 = 2 time_16 = 2.
IF K5Q40 = 1 time_16 = 1.
VARIABLE LABELS time_16 "Doctors spent enough time with children".
```

VALUE LABELS time\_16

0 "Did not have a health care visit in the past 12 months"  
 1 "Always"  
 2 "Usually"  
 3 "Sometimes or never"  
 99 "Missing".  
 MISSING VALUES time\_16(99).

COMPUTE listen\_16 = 999.

IF (SYSMIS(K5Q41)) listen\_16 = 99.  
 IF S4Q01 = 2 listen\_16 = 0.  
 IF K5Q41 = 3 or K5Q41 = 4 listen\_16 = 3.  
 IF K5Q41 = 2 listen\_16 = 2.  
 IF K5Q41 = 1 listen\_16 = 1.

VARIABLE LABELS listen\_16 "Doctors listened carefully to children's parents".

VALUE LABELS listen\_16

0 "Did not have a health care visit in the past 12 months"  
 1 "Always"  
 2 "Usually"  
 3 "Sometimes or never"  
 99 "Missing".  
 MISSING VALUES listen\_16(99).

COMPUTE sensitiv\_16 = 999.

IF (SYSMIS(K5Q42)) sensitiv\_16 = 99.  
 IF S4Q01 = 2 sensitiv\_16 = 0.  
 IF K5Q42 = 3 or K5Q42 = 4 sensitiv\_16 = 3.  
 IF K5Q42 = 2 sensitiv\_16 = 2.  
 IF K5Q42 = 1 sensitiv\_16 = 1.

VARIABLE LABELS sensitiv\_16 "Doctors showed sensitivity to children's family's values and customs".

VALUE LABELS sensitiv\_16

0 "Did not have a health care visit in the past 12 months"  
 1 "Always"  
 2 "Usually"  
 3 "Sometimes or never"  
 99 "Missing".  
 MISSING VALUES sensitiv\_16(99).

COMPUTE info\_16 = 999.

IF (SYSMIS(K5Q43)) info\_16 = 99.  
 IF S4Q01 = 2 info\_16 = 0.  
 IF K5Q43 = 3 or K5Q43 = 4 info\_16 = 3.  
 IF K5Q43 = 2 info\_16 = 2.  
 IF K5Q43 = 1 info\_16 = 1.

VARIABLE LABELS info\_16 "Doctors provided information specific to parents' concerns".

VALUE LABELS info\_16

0 "Did not have a health care visit in the past 12 months"  
 1 "Always"  
 2 "Usually"  
 3 "Sometimes or never"  
 99 "Missing".  
 MISSING VALUES info\_16(99).

```

COMPUTE partner_16 = 999.
IF (SYSMIS(K5Q44)) partner_16 = 99.
IF S4Q01 = 2 partner_16 = 0.
IF K5Q44 = 3 or K5Q44 = 4 partner_16 = 3.
IF K5Q44 = 2 partner_16 = 2.
IF K5Q44 = 1 partner_16 = 1.
VARIABLE LABELS partner_16 "Doctors helped parents to feel like partners in child's care".
VALUE LABELS partner_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES partner_16(99).

MISSING VALUES time_16 listen_16 sensitiv_16 info_16 partner_16().

COMPUTE FamCent_16 = 999.
IF (time_16 = 3 or time_16=99) or (listen_16 = 3 or listen_16 =99) or (sensitiv_16 = 3 or sensitiv_16=99) or
(info_16 = 3 or info_16=99) or
(partner_16 = 3 or partner_16=99) FamCent_16 = 2.
IF (time_16=1 or time_16=2 or time_16=99) and (listen_16=1 or listen_16=2 or listen_16=99) and
(sensitiv_16=1 or sensitiv_16=2 or sensitiv_16=99) and
(info_16=1 or info_16=2 or info_16=99) and (partner_16=1 or partner_16=2 or partner_16=99)
FamCent_16 = 1.
IF time_16 = 0 FamCent_16 = 0.
IF time_16 = 99 and listen_16 = 99 and sensitiv_16 = 99 and info_16 = 99 and partner_16 = 99
FamCent_16 = 99.
VARIABLE LABELS FamCent_16 "Indicator 4.12c: Medical Home Component: Family-centered care".
VALUE LABELS FamCent_16
0 "Did not have health care visit in the past 12 months"
1 "Received family-centered care"
2 "Did not receive family-centered care"
99 "Missing to any".
MISSING VALUES FamCent_16(0,99).

***Indicator 4.12d: Medical Home Component: Problems getting referrals, all children

COMPUTE NoRefPrb_16 = 999.
IF (SYSMIS(K5Q10)) NoRefPrb_16 = 99.
IF K5Q11 = 2 or K5Q11 = 3 NoRefPrb_16 = 2.
IF K5Q11 = 1 NoRefPrb_16 = 1.
IF (SYSMIS(K5Q11)) NoRefPrb_16 = 99.
IF K5Q10 = 2 NoRefPrb_16 = 0.
VARIABLE LABELS NoRefPrb_16 "Indicator 4.12d: Medical Home Component: Problems getting needed
referrals, all children".
VALUE LABELS NoRefPrb_16
0 "Did not need referrals during the past 12 months"
1 "No problems getting referral, when needed"
2 "Had problems getting referrals, when needed"
99 "Missing".
MISSING VALUES NoRefPrb_16(99).

```

```

COMPUTE DrComm_16 = 999.
IF (SYSMIS(K5Q30)) DrComm_16 = 99.
IF K5Q30 = 1 DrComm_16 = 1.
IF K5Q30 = 2 DrComm_16 = 2.
IF K5Q30 = 3 or K5Q30 = 4 DrComm_16 = 3.
IF K5Q20_R = 3 or S4Q01 = 2 DrComm_16 = 0.
VARIABLE LABELS DrComm_16 "Satisfaction with communication among child's doctor and other health care provider".
VALUE LABELS DrComm_16
0 "Did not see more than one health care provider"
1 "Very satisfied"
2 "Somewhat satisfied"
3 "Somewhat dissatisfied/Very dissatisfied"
99 "Missing".
MISSING VALUES DrComm_16().

```

\*\*Got all needed extra help with care coordination

```

COMPUTE CareHelp_16 = 999.
IF (SYSMIS(K5Q21)) or (SYSMIS(K5Q22)) CareHelp_16 = 99.
IF K5Q22 = 1 CareHelp_16 = 1.
IF K5Q22 = 2 or K5Q22 = 3 CareHelp_16 = 2.
IF (SYSMIS(K5Q20_R)) CareHelp_16 = 99.
IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_16 = 0.
IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_16 = 0.
IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_16 = 1.
IF (SYSMIS(S4Q01)) CareHelp_16 = 99.
VARIABLE LABELS CareHelp_16 "Got all needed extra help with care coordination when needed".
VALUE LABELS CareHelp_16
0 "Did not see more than one health care provider or did not get or need extra help"
2 "Needed extra help/did not get it"
1 "Got help with care coor and/or extra help when needed"
99 "Missing".

```

```

COMPUTE OthComm_16 = 999.
IF (SYSMIS(K5Q32)) OthComm_16 = 99.
IF (SYSMIS(K5Q31_R)) OthComm_16 = 99.
IF S4Q01 = 2 or K5Q31_R = 2 or K5Q31_R = 3 OthComm_16 = 0.
IF K5Q32 = 1 OthComm_16 = 1.
IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm_16 = 2.
VARIABLE LABELS OthComm_16 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".
VALUE LABELS OthComm_16
0 "No communication needed or did not have health care visit in the past 12 months"
1 "Very satisfied"
2 "Less than very satisfied"
99 "Missing to either item".

```

MISSING VALUES CareHelp\_16 DrComm\_16 OthComm\_16().

```

COMPUTE CareCoor_16 = 999.
IF (CareHelp_16 = 2 or CareHelp_16=99) or (DrComm_16 = 2 or DrComm_16 = 3 or DrComm_16=99) or (OthComm_16 = 2 or OthComm_16=99) CareCoor_16 = 2.

```

**Child and Family Health Measures – Health Care Access and Quality**

IF (CareHelp\_16 = 0 or CareHelp\_16 = 1 or CareHelp\_16=99) and (DrComm\_16=0 or DrComm\_16 =1 or DrComm\_16=99) and (OthComm\_16 = 0 or OthComm\_16 = 1 or OthComm\_16=99) CareCoor\_16 = 1.  
IF (CareHelp\_16 = 0 or CareHelp\_16=99) and (DrComm\_16 = 0 or DrComm\_16=99) and (OthComm\_16 = 0 or OthComm\_16 = 99) CareCoor\_16 = 0.

IF CareHelp\_16 = 99 and DrComm\_16 = 99 and OthComm\_16 = 99 CareCoor\_16 = 99.

VARIABLE LABELS CareCoor\_16 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".

VALUE LABELS CareCoor\_16

0 "Did not need coordinated care or had less than 2 services during the past 12 months"

1 "Received all needed components of care coordination"

2 "Did not receive one or more elements of coordination"

99 "Missing to any".

MISSING VALUES CareCoor\_16(99).

MISSING VALUES PerDrNs\_16 UsualSck\_16 FamCent\_16 NoRefPrb\_16 CareCoor\_16().

COMPUTE MedHome\_16 = 999.

IF (PerDrNs\_16 = 1 or PerDrNs\_16=99) and (UsualSck\_16 = 1 or UsualSck\_16=99) and (NoRefPrb\_16=1 or NoRefPrb\_16 =0 or NoRefPrb\_16=99) and

(FamCent\_16=1 or FamCent\_16=0 or FamCent\_16=99) and (CareCoor\_16=1 or CareCoor\_16=0 or CareCoor\_16=99) MedHome\_16 = 1.

IF PerDrNs\_16 = 2 or UsualSck\_16 = 2 or NoRefPrb\_16 = 2 or FamCent\_16 = 2 or CareCoor\_16 = 2  
MedHome\_16 = 2.

IF PerDrNs\_16 = 99 and UsualSck\_16 = 99 and (FamCent\_16 = 99 or FamCent\_16 = 0) and  
(NoRefPrb\_16 = 99 or NoRefPrb\_16=0) and (CareCoor\_16 = 99 or CareCoor\_16 = 0) MedHome\_16 = 99.

VARIABLE LABELS MedHome\_16 "Indicator 4.12: Percent of children receiving coordinated, ongoing, comprehensive care within a medical home".

VALUE LABELS MedHome\_16

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to any".

MISSING VALUES MedHome\_16(99).

Indicator 4.12a	Personal doctor or nurse
Description	Do you have one or more persons you think of as this child's personal doctor or nurse?
Survey Items Used	Survey instrument item number for children 0-5 years: D1; for children 6-11 years: D1; for children 12-17 years: D1 Variable name in public use data file: K4Q04
Denominator	Children age 0-17 years
Numerator	Children who have a personal doctor or nurse; Children who do not have a personal doctor or nurse
<b>Notes for Data-Users</b>	
<p>This measure is one of the five components of the composite Medical Home measure and was derived directly from K4Q04. Children who do not have a personal doctor or nurse cannot qualify as having a Medical Home regardless of their status on the other four components.</p> <p>A child's "personal doctor or nurse" could be one or more health care professionals who knows the child well and is familiar with the child's health history. A "health care professional" is defined as a general doctor, pediatrician, specialist doctor, nurse practitioner, or physician's assistant.</p>	
<b>Revisions in 2016</b>	
<p>The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PerDrNs_16 = 999. IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_16 = 1. IF K4Q04_R = 3 PerDrNs_16 = 2. IF (SYSMIS(K4Q04_R)) PerDrNs_16 = 99. VARIABLE LABELS PerDrNs_16 "Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse". VALUE LABELS PerDrNs_16 1 "Have at least one personal doctor or nurse" 2 "Do not have a personal doctor or nurse" 99 "Missing". MISSING VALUES PerDrNs_16(99). FORMATS PerDrNs_16(f4.0). </pre>	

Indicator 4.12b	Usual source for sick care
Description	Does this child have a usual place for sick care?
Survey Items Used	Survey instrument item number for children 0-5 years: C9, C10; for children 6-11 years: C7, C8; for children 12-17 years: C8, C9 Variable name in public use data file: K4Q01; K4Q02_R
Denominator	Children age 0-17 years
Numerator	Children with no usual source for sick care; Children whose parents usually go to a certain provider or clinic when their child is sick care
<b>Notes for Data-Users</b>	
<p>This measure is derived from two questionnaire items: whether child has a usual place to go when they are sick (K4Q01) and what type of place they go for medical care when they are sick (K4Q02_R).</p> <p>Criteria for meeting this component of the Medical Home measure is: having a usual place for sick care (K4Q01) that is categorized in K4Q02_R as a doctor's office, hospital outpatient department, clinic or health center, school, retail store clinic or "Minute clinic", or some other place. Responses indicating that the child does not have a usual source of care (K4Q01 =2) or that the place of care is a hospital emergency room (K4Q02_R) is defined as not having a usual source of care.</p>	
<b>Revisions in 2016</b>	
<p>Response options for K4Q01 changed from "Yes", "No", and "There is more than one place" to "Yes" and "No". In the 2016 NSCH, response options for K4Q02_R (the follow-up item which asks about the type of places the child usually goes for sick care) no longer includes the response options, "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE UsualSck_16 = 999. IF (SYSMIS(K4Q01)) or (SYSMIS(K4Q02_R)) UsualSck_16 = 99. IF K4Q01 = 1 and (K4Q02_R=1 or K4Q02_R=3 or K4Q02_R=4 or K4Q02_R=5 or K4Q02_R=6 or K4Q02_R=7) UsualSck_16 = 1. IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_16 = 2. VARIABLE LABELS UsualSck_16 "Usual sources for sick care". VALUE LABELS UsualSck_16 1 "Have usual sources for sick care" 2 "Do not have usual sources for sick care" 99 "Missing". </pre>	

Indicator 4.12c	Family-centered care
Description	If this child received care during the past 12 months, did he/she receive family-centered care?
Survey Items Used	Survey instrument item number for children 0-5 years: D4a-e; for children 6-11 years: D4a-e; for children 12-17 years: D4a-e Variable in public use data file: K5Q40; K5Q41; K5Q42; K5Q43; K5Q44
Denominator	Children age 0-17 years who had a health care visit in the past 12 months
Numerator	Children who did not receive family-centered care; Children who received family-centered care

#### Notes for Data-Users

This measure represents the Family-Centered Care component of the Medical Home composite. Family-centered care is comprised of responses to five experience-of-care questions: spends enough time with child (K5Q40), listens carefully to you (K5Q41), sensitive to family values/customs (K5Q42), gives needed information (K5Q43), and family feels like partner (K5Q44). The composite family centered care measure is considered missing if all components are missing. Therefore, children with a valid, either "Usually" or "Always" response to at least one item and the remainder of the items were missing are categorized as receiving family centered care.

Children who had no health care visits in the past twelve months were not included in this measure.

#### Rewrites in 2016

The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

In the NSCH 2011/12, the composite family-centered care measure was considered missing if any item has missing data. In the 2016, the measure is only considered missing if all items are missing.

#### SPSS Syntax and Annotation

```

COMPUTE time_16 = 999.
IF (SYSMIS(K5Q40)) time_16 = 99.
IF S4Q01 = 2 time_16 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_16 = 3.
IF K5Q40 = 2 time_16 = 2.
IF K5Q40 = 1 time_16 = 1.
VARIABLE LABELS time_16 "Doctors spent enough time with children".
VALUE LABELS time_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES time_16(99).

```

```

COMPUTE listen_16 = 999.
IF (SYSMIS(K5Q41)) listen_16 = 99.
IF S4Q01 = 2 listen_16 = 0.
IF K5Q41 = 3 or K5Q41 = 4 listen_16 = 3.
IF K5Q41 = 2 listen_16 = 2.
IF K5Q41 = 1 listen_16 = 1.
VARIABLE LABELS listen_16 "Doctors listened carefully to children's parents".
VALUE LABELS listen_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES listen_16(99).

COMPUTE sensitiv_16 = 999.
IF (SYSMIS(K5Q42)) sensitiv_16 = 99.
IF S4Q01 = 2 sensitiv_16 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_16 = 3.
IF K5Q42 = 2 sensitiv_16 = 2.
IF K5Q42 = 1 sensitiv_16 = 1.
VARIABLE LABELS sensitiv_16 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES sensitiv_16(99).

COMPUTE info_16 = 999.
IF (SYSMIS(K5Q43)) info_16 = 99.
IF S4Q01 = 2 info_16 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_16 = 3.
IF K5Q43 = 2 info_16 = 2.
IF K5Q43 = 1 info_16 = 1.
VARIABLE LABELS info_16 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES info_16(99).

COMPUTE partner_16 = 999.
IF (SYSMIS(K5Q44)) partner_16 = 99.
IF S4Q01 = 2 partner_16 = 0.
IF K5Q44 = 3 or K5Q44 = 4 partner_16 = 3.
IF K5Q44 = 2 partner_16 = 2.
IF K5Q44 = 1 partner_16 = 1.
VARIABLE LABELS partner_16 "Doctors helped parents to feel like partners in child's care".
VALUE LABELS partner_16

```

0 "Did not have a health care visit in the past 12 months"  
1 "Always"  
2 "Usually"  
3 "Sometimes or never"  
99 "Missing".  
MISSING VALUES partner\_16(99).

MISSING VALUES time\_16 listen\_16 sensitiv\_16 info\_16 partner\_16().

COMPUTE FamCent\_16 = 999.

IF (time\_16 = 3 or time\_16=99) or (listen\_16 = 3 or listen\_16 =99) or (sensitiv\_16 = 3 or sensitiv\_16=99) or (info\_16 = 3 or info\_16=99) or (partner\_16 = 3 or partner\_16=99) FamCent\_16 = 2.

IF (time\_16=1 or time\_16=2 or time\_16=99) and (listen\_16=1 or listen\_16=2 or listen\_16=99) and (sensitiv\_16=1 or sensitiv\_16=2 or sensitiv\_16=99) and (info\_16=1 or info\_16=2 or info\_16=99) and (partner\_16=1 or partner\_16=2 or partner\_16=99) FamCent\_16 = 1.

IF time\_16 = 0 FamCent\_16 = 0.

IF time\_16 = 99 and listen\_16 = 99 and sensitiv\_16 = 99 and info\_16 = 99 and partner\_16 = 99 FamCent\_16 = 99.

VARIABLE LABELS FamCent\_16 "Indicator 4.12c: Medical Home Component: Family-centered care".

VALUE LABELS FamCent\_16

0 "Did not have health care visit in the past 12 months"

1 "Received family-centered care"

2 "Did not receive family-centered care"

99 "Missing to any".

MISSING VALUES FamCent\_16(0,99).

Indicator 4.12d	Problems getting referrals
Description	During the past 12 months, did this child have problems to get referrals to see any doctors or receive any services?
Survey Items Used	Survey instrument item number for children 0-5 years: D2,D3; for children 6-11 years: D2,D3; for children 12-17 years: D2,D3 Variable in public use data file: K5Q10; K5Q11
Denominator	Children age 0-17 years
Numerator	Children who did not need referrals; Children who needed referrals and did not have a problem getting them; Children who needed referrals and had problems getting them

#### Notes for Data-Users

This measure is one of the five components of the composite Medical Home measure, and was derived based on K5Q10 - "needed referral to doctors or health services during the past 12 months" and K5Q11 – "how much of a problem was it to get the referral?". Those who needed referrals ("Yes" to K5Q10=1) were coded according to whether they had "no problems" (K5Q11=1), a "big" problem (K5Q11=2), or a "small" problem getting them (K5Q11=3). Those answering that they encountered a "big" problem or "small" problem getting needed referrals were coded as having problems getting needed referrals. Children whose response for K5Q10 was "No" (K5Q10=2) were coded as not needing referrals.

#### Revisions in 2016

There were changes to the wording of the question. For more information about the question changes, [click here](#). The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

COMPUTE NoRefPrb_16 = 999.
IF (SYSMIS(K5Q10)) NoRefPrb_16 = 99.
IF K5Q11 = 2 or K5Q11 = 3 NoRefPrb_16 = 2.
IF K5Q11 = 1 NoRefPrb_16 = 1.
IF (SYSMIS(K5Q11)) NoRefPrb_16 = 99.
IF K5Q10 = 2 NoRefPrb_16 = 0.
VARIABLE LABELS NoRefPrb_16 "Indicator 4.12d: Medical Home Component: Problems getting needed
referrals, all children".
VALUE LABELS NoRefPrb_16
0 "Did not need referrals during the past 12 months"
1 "No problems getting referral, when needed"
2 "Had problems getting referrals, when needed"
99 "Missing".
MISSING VALUES NoRefPrb_16(99).

```

Indicator 4.12e	Effective care coordination
Description	Did this child receive effective care coordination?
Survey Items Used	Survey instrument item number for children 0-5 years: D7-12; for children 6-11 years: D7-12; for children 12-17 years: D7-12 Variable name in public use data file: K5Q20_R; K5Q21; K5Q22; K5Q30; K5Q31_R; K5Q32
Denominator	Children age 0-17 years
Numerator	Children who did not need care coordination; Children received effective care coordination; Children did not receive effective care coordination
<b>Notes for Data-Users</b>	
<p>This measure is one of the five components of the composite Medical Home measure. All questions used to create the measure were asked among children who had a health care visit in the past 12 months. The effective care coordination measure is constructed by assessing communication between doctors when needed (K5Q22; K5Q30), communication between doctors and schools when needed (K5Q32) (K5Q31_R); and getting needed help coordinating care (K5Q20_R, K5Q21). Children who did not see more than one health care provider (K5Q20_R=3 or legit skip) were coded as not needing care coordination.</p> <p>The composite care coordination measure is only considered missing if all components are missing. Therefore, children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as received effective care coordination.</p>	
<b>Revisions in 2016</b>	
<p>In the 2011/12 NSCH, this question was asked among children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care that was set in the survey instrument programming (NUMB_SERVICES&gt;1). In the 2016 NSCH, this question was asked among all children who had a health care visit during the past 12 months, and included a response option: "Did not see more than one health care provider in past 12 months". The follow-up questions K5Q21, K5Q22, and K5Q30 were asked if responses to K5Q20_R were "Yes" or "No" (K5Q20_R=1 or K5Q20_R=2) indicating that they saw more than one health care provider.</p> <p>In the NSCH 2011/12, the composite care coordination measure was considered missing if any component has missing data. In the 2016, the measure is only considered missing if all components are missing.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DrComm_16 = 999. IF (SYSMIS(K5Q30)) DrComm_16 = 99. IF K5Q30 = 1 DrComm_16 = 1. IF K5Q30 = 2 DrComm_16 = 2. IF K5Q30 = 3 or K5Q30 = 4 DrComm_16 = 3. IF K5Q20_R = 3 or S4Q01 = 2 DrComm_16 = 0. VARIABLE LABELS DrComm_16 "Satisfaction with communication among child's doctor and other health care provider". </pre>	

## VALUE LABELS DrComm\_16

0 "Did not see more than one health care provider"  
 1 "Very satisfied"  
 2 "Somewhat satisfied"  
 3 "Somewhat dissatisfied/Very dissatisfied"  
 99 "Missing".

MISSING VALUES DrComm\_16().

COMPUTE CareHelp\_16 = 999.

IF (SYSMIS(K5Q21)) or (SYSMIS(K5Q22)) CareHelp\_16 = 99.

IF K5Q22 = 1 CareHelp\_16 = 1.

IF K5Q22 = 2 or K5Q22 = 3 CareHelp\_16 = 2.

IF (SYSMIS(K5Q20\_R)) CareHelp\_16 = 99.

IF K5Q20\_R = 3 or S4Q01 = 2 CareHelp\_16 = 0.

IF K5Q20\_R = 2 and K5Q21 = 2 CareHelp\_16 = 0.

IF K5Q20\_R = 1 and K5Q21 = 2 CareHelp\_16 = 1.

IF (SYSMIS(S4Q01)) CareHelp\_16 = 99.

VARIABLE LABELS CareHelp\_16 "Got all needed extra help with care coordination when needed".

## VALUE LABELS CareHelp\_16

0 "Did not see more than one health care provider or did not get or need extra help"

2 "Needed extra help/did not get it"

1 "Got help with care coor and/or extra help when needed"

99 "Missing".

COMPUTE OthComm\_16 = 999.

IF (SYSMIS(K5Q32)) OthComm\_16 = 99.

IF (SYSMIS(K5Q31\_R)) OthComm\_16 = 99.

IF S4Q01 = 2 or K5Q31\_R = 2 or K5Q31\_R = 3 OthComm\_16 = 0.

IF K5Q32 = 1 OthComm\_16 = 1.

IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm\_16 = 2.

VARIABLE LABELS OthComm\_16 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".

## VALUE LABELS OthComm\_16

0 "No communication needed or did not have health care visit in the past 12 months"

1 "Very satisfied"

2 "Less than very satisfied"

99 "Missing to either item".

MISSING VALUES CareHelp\_16 DrComm\_16 OthComm\_16().

COMPUTE CareCoor\_16 = 999.

IF (CareHelp\_16 = 2 or CareHelp\_16=99) or (DrComm\_16 = 2 or DrComm\_16 = 3 or DrComm\_16=99) or (OthComm\_16 = 2 or OthComm\_16=99) CareCoor\_16 = 2.

IF (CareHelp\_16 = 0 or CareHelp\_16 = 1 or CareHelp\_16=99) and (DrComm\_16=0 or DrComm\_16 =1 or DrComm\_16=99) and (OthComm\_16 = 0 or OthComm\_16 = 1 or OthComm\_16=99) CareCoor\_16 = 1.

IF (CareHelp\_16 = 0 or CareHelp\_16=99) and (DrComm\_16 = 0 or DrComm\_16=99) and (OthComm\_16 = 0 or OthComm\_16 = 99) CareCoor\_16 = 0.

IF CareHelp\_16 = 99 and DrComm\_16 = 99 and OthComm\_16 = 99 CareCoor\_16 = 99.

VARIABLE LABELS CareCoor\_16 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".

## VALUE LABELS CareCoor\_16

0 "Did not need coordinated care or had less than 2 services during the past 12 months"

1 "Received all needed components of care coordination"

2 "Did not receive one or more elements of coordination"

99 "Missing to any".  
MISSING VALUES CareCoor\_16(99).

Indicator 4.14	Shared decision-making
Description	Did this child have a family who partnered in shared decision-making for child's optimal health?
Survey Items Used	Survey instrument item number for children 0-5 years: D5, D6; for children 6-11 years: D5, D6; for children 12-17 years: D5, D6 Variables in public use data file: DECISIONS; DISCUSSOPT; RAISECONC; BESTFORCHILD
Denominator	Children age 0-17 years who had a health care visit in the past 12 months
Numerator	Children whose families usually or always feel that they are partners in decision making around issues important to their child's health; Children whose families sometimes or never feel that they are partners in decision making around issues important to their child's health; No decisions needed
<b>Notes for Data-Users</b>	
<p>This measure is based on whether the child has a family who usually or always feels that doctors or other health care providers: 1) discuss with parents a range of options to consider for their child's health care or treatment; 2) make it easy to raise concerns or disagree with recommendations for the child's health; and 3) work together to decide health care and treatment choices would be best for the child.</p> <p>Children with a valid, positive response (usually or always) to at least one component and the remainder of the components were missing are categorized as families feel that they are partners in decision making.</p> <p>The question was asked only if child had a health care visit in the past 12 months.</p>	
<b>Revisions in 2016</b>	
<p>This measure was available in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). The items used to develop this measure were revised substantially between 2009/10 NS-CSHCN and the 2016 NSCH. In the 2016 NSCH, a filter question asked whether any decisions were needed about the child's health care services during the past 12 months. Then, they were asked questions to assess if they felt like a partner in the decision making. For more information about the changes <a href="#">click here</a>.</p> <p>In the NSCH 2011/12, the composite shared decision making measure was considered missing if any component has missing data. In the 2016, the measure is only considered missing if all components are missing.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DiscussOpt_16 = 999. IF (SYSMIS(DISCUSSOPT)) DiscussOpt_16 = 99. IF DECISIONS = 2 DiscussOpt_16 = 0. IF DISCUSSOPT=1 DiscussOpt_16 = 1. IF DISCUSSOPT=2 DiscussOpt_16 = 2. IF DISCUSSOPT=3 or DISCUSSOPT=4 DiscussOpt_16 = 3. IF S4Q01=2 DiscussOpt_16 = 95. </pre>	

```
VARIABLE LABELS DiscussOpt_16 "Doctors discussed range of health care/treatment options".
VALUE LABELS DiscussOpt_16
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES DiscussOpt_16(0,95,99).
FORMATS DiscussOpt_16(f2.0).
EXECUTE.
```

```
COMPUTE RaiseConc_16 = 999.
IF (SYSMIS(RAISECONC)) RaiseConc_16 = 99.
IF DECISIONS = 2 RaiseConc_16 = 0.
IF RAISECONC=1 RaiseConc_16 = 1.
IF RAISECONC=2 RaiseConc_16 = 2.
IF RAISECONC=3 or RAISECONC=4 RaiseConc_16 = 3.
IF S4Q01 = 2 RaiseConc_16 = 95.
VARIABLE LABELS RaiseConc_16 "Doctors made it easy for parents to raise concerns or disagree with recommendations".
VALUE LABELS RaiseConc_16
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES RaiseConc_16(0,95,99).
FORMATS RaiseConc_16(f2.0).
EXECUTE.
```

```
COMPUTE BestChoice_16 = 999.
IF (SYSMIS(BESTFORCHILD)) BestChoice_16 = 99.
IF DECISIONS = 2 BestChoice_16 = 0.
IF BESTFORCHILD=1 BestChoice_16 = 1.
IF BESTFORCHILD=2 BestChoice_16 = 2.
IF BESTFORCHILD=3 or BESTFORCHILD=4 BestChoice_16 = 3.
IF S4Q01 = 2 BestChoice_16 = 95.
VARIABLE LABELS BestChoice_16 "Doctors worked with parents to decide together health care/treatment options".
VALUE LABELS BestChoice_16
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES BestChoice_16(0,95,99).
FORMATS BestChoice_16(f2.0).
EXECUTE.
```

MISSING VALUES DiscussOpt\_16 RaiseConc\_16 BestChoice\_16().

```
COMPUTE ShareDec_16 = 999.  
IF DECISIONS = 2 or S4Q01=2 ShareDec_16 = 0.  
IF (DiscussOpt_16 = 3 or DiscussOpt_16=99) or (RaiseConc_16 = 3 or RaiseConc_16=99) or  
(BestChoice_16 = 3 or BestChoice_16 = 99) ShareDec_16 = 2.  
IF (DiscussOpt_16 = 1 or DiscussOpt_16= 2 or DiscussOpt_16=99) and (RaiseConc_16 = 1 or  
RaiseConc_16 = 2 or RaiseConc_16=99) and  
(BestChoice_16 = 1 or BestChoice_16 = 2 or BestChoice_16=99) ShareDec_16 = 1.  
IF DiscussOpt_16 = 99 and RaiseConc_16 = 99 and BestChoice_16 = 99 ShareDec_16 = 99.  
VARIABLE LABELS ShareDec_16 "Indicator 4.14: Children whose families are partners in shared decision-  
making for their optimal health".  
VALUE LABELS ShareDec_16  
0 "No decisions needed/Did not have a health care visit during the past 12 months"  
1 "Families usually or always feel that they are partners in decision making"  
2 "Families never/sometimes feel that they are partners in decision making"  
99 "Missing".  
MISSING VALUES ShareDec_16(95,99).  
FORMATS ShareDec_16(f2.0).  
EXECUTE.
```

Indicator 4.15	Transition to adult health care, age 12-17 years
Description	Did this child receive services needed for transition to adult health care?
Survey Items Used	Survey instrument item number for children 12-17 years: C4; D13, D14, D15c,d Variable name in public use data file: DOCPRIVATE; TREATCHILD; TREATADULT; GAINSKILLS; CHANGEAGE
Denominator	Youth age 12-17 years
Numerator	Youth 12-17 whose families report that they received the services necessary to transition to adult health care; Youth 12-17 whose families report that they did not receive the services necessary to transition to adult health care

#### Notes for Data-Users

In order to meet the criteria for this measure, youth with special health care needs 12-17 years old must meet three components: 1) doctor spoke with child privately without an adult in the room during last preventive check-up; 2) if a discussion about transitioning to adult care was needed it must have happened; and 3) doctors actively worked with child to gain skills and understand changes in health care. If a child has at least one valid positive response to any of these components and the remainder of the components were missing or legitimately skipped, these children were categorized as receiving adequate transition to adult healthcare in the 2016 scoring of this measure. Respondents with "missing" to all items were set to missing.

#### Rewrites in 2016

This measure was previously included in the 2009/10 NS-CSHCN, but it was substantially different than the current measure in the 2016 NSCH. New items were added to the measure for the 2016 NSCH, including:

- Doctor spoke with the child privately
- Doctor worked with the child about gaining skills to manage their health and health care
- Doctors worked with the child to help them understand their healthcare changes

For more information about the content changes, [click here](#).

Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

COMPUTE TimeAlone_16 = 999.
IF DOCPRIVATE = 1 TimeAlone_16 = 1.
IF DOCPRIVATE = 2 TimeAlone_16 = 2.
IF SYSMIS(DOCPRIVATE) TimeAlone_16 = 99.
IF K4Q20R = 1 TimeAlone_16 = 2.
IF (SYSMIS(S4Q01) or SYSMIS(K4Q20R)) TimeAlone_16 = 99.
IF S4Q01 = 2 TimeAlone_16 = 2.
IF SC_AGE_YEARS < 12 TimeAlone_16 = 90.
VARIABLE LABELS TimeAlone_16 "Children who had time alone with health care provider at last check-up, age 12-17 years".
VALUE LABELS TimeAlone_16

```

```

1 "Had time alone with provider"
2 "Did not have time alone with provider/Did not have preventive check-up"
99 "Missing"
90 "Children age 0-11 years".
MISSING VALUES TimeAlone_16().
FORMATS TimeAlone_16(f2.0).
EXECUTE.

COMPUTE ActiveWork_16 = 2.
IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork_16 = 1.
IF (CHANGEAGE = 3 or (SYSMIS(CHANGEAGE))) and (GAINSKILLS =3 or (SYSMIS(GAINSKILLS)))
ActiveWork_16 = 99.
IF SC_AGE_YEARS < 12 ActiveWork_16 = 90.
VARIABLE LABELS ActiveWork_16 "Provider worked with child to gain skills to manage health/health care
or understand health care changes at age 18, age 12-17 years".
VALUE LABELS ActiveWork_16
1 "Met the criteria"
2 "Did not met criteria"
99 "Missing/Don't know"
90 "Children age 0-11 years".
MISSING VALUES ActiveWork_16().
FORMATS ActiveWork_16(f2.0).
EXECUTE.

COMPUTE TrtAdult_16 = 999.
IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult_16 = 1.
IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult_16 = 2.
IF (SYSMIS(TREATCHILD)) or (SYSMIS(TREATADULT)) TrtAdult_16 = 99.
IF TREATCHILD = 2 TrtAdult_16 = 95.
IF SC_AGE_YEARS < 12 TrtAdult_16 = 90.
VARIABLE LABELS TrtAdult_16 "Provider discussed shift to adult health care providers if needed, age 12-
17 years".
VALUE LABELS TrtAdult_16
1 "Yes"
2 "No"
95 "Discussion not needed or sees provider who can transition"
99 "Missing"
90 "Children age 0-11 years".
MISSING VALUES TrtAdult_16().
FORMATS TrtAdult_16(f2.0).
EXECUTE.

MISSING VALUES TimeAlone_16 ActiveWork_16 TrtAdult_16().

COMPUTE Transition_16 = 999.
IF (TimeAlone_16 = 1 or TimeAlone_16=99) or (ActiveWork_16 = 1 or ActiveWork_16 =99) or (TrtAdult_16
= 1 or TrtAdult_16=95 or TrtAdult_16=99) Transition_16 = 1.
IF TimeAlone_16 = 2 or ActiveWork_16 = 2 or TrtAdult_16 = 2 Transition_16 = 2.
IF TimeAlone_16 = 99 and ActiveWork_16 = 99 and TrtAdult_16 = 99 Transition_16 = 99.
IF SC_AGE_YEARS < 12 Transition_16 = 90.
VARIABLE LABELS Transition_16 "Indicator 4.15: Adolescents who received services necessary to make
planning transitions to adult health care".
VALUE LABELS Transition_16

```

**Child and Family Health Measures – Health Care Access and Quality**

1 "Received services necessary for transition to adult health care"  
2 "Did not receive services necessary for transition to adult health care"  
99 "Missing to all"  
90 "Children age 0-11 years".  
MISSING VALUES Transition\_16(90,99).  
FORMATS Transition\_16(f2.0).  
EXECUTE.

Indicator 4.17	System of care
Description	Did this child receive care in a well-functioning system?
Survey Items Used	Over 50 different survey questions are used to construct this measure
Denominator	Children age 0-17 years
Numerator	Children received all components of a well-functioning system; Children who did not receive all components of a well-functioning system

#### Notes for Data-Users

This measure is comprised of five age-relevant measures for children age 0-11 years, and six age-relevant measures for children age 12-17 years. Those five measures for children age 0-11 years include: family feels like they are a partner in their child's care, child has a medical home, child had a preventive medical and dental visit, child has adequate insurance, and child has no unmet need and barriers access to services. For adolescents age 12-17 years, preparation for adult transition is included in addition to these five measures.

If a child has at least one valid positive response to any of these measures and the remainder of the components were missing or legitimately skipped, this child was categorized as receiving care in a well-functioning system in the 2016 scoring of this measure. Respondents with "missing" to all items were set to missing.

#### Revisions in 2016

The systems of care measure has changed, due to changes in the transition to adult healthcare measure (see NPM 12), the medical home measure (see NPM 11), and the adequacy of insurance measure (see NPM 15). For more information on content changes, [click here](#).

Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

COMPUTE insurance_16 = 1.
IF (InsGap_16 = 1 or InsGap_16 = 99) and (InsAdeq_16 = 1 or InsAdeq_16 =99) insurance_16 = 1.
IF CurrIns_16 = 2 or InsGap_16 = 2 or InsAdeq_16 = 2 insurance_16 = 2.
IF InsGap_16 = 99 and InsAdeq_16 = 99 insurance_16 = 99.
VARIABLE LABELS insurance_16 "Children who have adequate insurance and were covered entire year".
VALUE LABELS insurance_16
1 "Have adequate insurance covered entire year"
2 "Do not have adequate insurance"
99 "Missing to both".
MISSING VALUES insurance_16 () .
FORMATS insurance_16 (f2.0).

MISSING VALUES CurrIns_16 InsGap_16(99).
MISSING VALUES InsAdeq_16(95,99).

COMPUTE MedDentSyst_16 = 999.

```

```

IF (PrevMed_16 = 1 or PrevMed_16 = 99) and (PrevDent_16=1 or PrevDent_16=95 or PrevDent_16=99)
MedDentSyst_16 = 1.
IF PrevMed_16 = 2 or PrevDent_16 = 2 MedDentSyst_16 = 2.
IF PrevMed_16 = 99 and (PrevDent_16 = 99 or PrevDent_16=95) MedDentSyst_16 = 99.
VARIABLE LABELS MedDentSyst_16 "Indicator 4.3: Children received both preventive medical and dental
care visits in past 12 months".
VALUE LABELS MedDentSyst_16
1 "Received preventive medical and dental care"
2 "Did not receive preventive medical and dental care"
99 "Missing to both".

COMPUTE frustrated_16 = 999.
IF C4Q04 = 1 frustrated_16 = 0.
IF C4Q04 = 2 frustrated_16 = 1.
IF C4Q04 = 3 or C4Q04 = 4 frustrated_16 = 2.
IF (SYSNMIS(C4Q04)) frustrated_16 = 99.
VARIABLE LABELS frustrated_16 "Indicator 4.19: Family frustrated in efforts to get services for their
children during the past 12 months".
VALUE LABELS frustrated_16
0 "Never frustrated"
1 "Sometimes frustrated"
2 "Usually/always frustrated"
99 "Missing".
MISSING VALUES frustrated_16(99).
FORMATS frustrated_16(f4.0).
EXECUTE.

COMPUTE UnmetFrust_16 = 999.
IF (K4Q27 = 2 or (SYSMIS(K4Q27)) and (frustrated_16 = 0 or frustrated_16 = 1 or frustrated_16 =99))
UnmetFrust_16 = 1.
IF K4Q27 = 1 or frustrated_16 = 2 UnmetFrust_16 = 2.
IF (SYSMIS(K4Q27)) and frustrated_16 = 99 UnmetFrust_16 = 99.
VARIABLE LABELS UnmetFrust_16 "Children whose parents had difficulties in accessing care and always
or usually frustrated in effort getting services for their children".
VALUE LABELS UnmetFrust_16
1 "No unmet need and frustration"
2 "Experienced unmet need and frustration (usually/alway frustrated)"
99 "Missing".

COMPUTE sys0to11care2_16 = 999.
IF (ShareDec_16 = 0 or ShareDec_16 = 1 or ShareDec_16=99) and (MedHome_16 = 1 or MedHome_16
= 99) and (Insurance_16 = 1 or Insurance_16 = 99)
and (MedDentSyst_16 = 1 or MedDentSyst_16=99) and (UnmetFrust_16 = 1 or UnmetFrust_16=99)
sys0to11care2_16 = 1.
IF ShareDec_16=2 or MedHome_16 = 2 or Insurance_16 = 2 or MedDentSyst_16 = 2 or UnmetFrust_16 =
2 sys0to11care2_16 =2.
IF (ShareDec_16=0 or ShareDec_16=99) and MedHome_16 = 99 and Insurance_16 = 99 and
MedDentSyst_16 = 99 and UnmetFrust_16 = 99 sys0to11care2_16 =99.
IF SC_AGE_YEARS > 11 sys0to11care2_16 = 95.
VARIABLE LABELS sys0to11care2_16 "Children ages 0-11 meeting one or more of five criteria for system
of care".
VALUE LABELS sys0to11care2_16
1 "Received care in a well-functioning system"

```

2 "Did not receive care in a well-functioning system"

99 "Missing"

95 "Children age 12-17 years".

MISSING VALUES sys0to11care2\_16(99).

EXECUTE.

COMPUTE sys12to17care2\_16 = 999.

IF (ShareDec\_16 = 0 or ShareDec\_16 = 1 or ShareDec\_16=99) and (MedHome\_16 = 1 or MedHome\_16 = 99) and (Insurance\_16 = 1 or Insurance\_16 = 99)

and (MedDentSyst\_16 = 1 or MedDentSyst\_16=99) and (UnmetFrust\_16 = 1 or UnmetFrust\_16=99) and (npm12Trans\_16=1 or npm12Trans\_16=99) sys12to17care2\_16 = 1.

IF ShareDec\_16=2 or MedHome\_16 = 2 or Insurance\_16 = 2 or MedDentSyst\_16 = 2 or UnmetFrust\_16 = 2 or npm12Trans\_16=2 sys12to17care2\_16 =2.

IF (ShareDec\_16=0 or ShareDec\_16=99) and MedHome\_16 = 99 and Insurance\_16 = 99 and MedDentSyst\_16 = 99 and UnmetFrust\_16 = 99 and npm12Trans\_16=99 sys12to17care2\_16 =99.

IF SC\_AGE\_YEARS < 12 sys12to17care2\_16 = 95.

VARIABLE LABELS sys12to17care2\_16 "Children ages 12-17 meeting one or more of five criteria for system of care".

VALUE LABELS sys12to17care2\_16

1 "Received care in a well-functioning system"

2 "Did not receive care in a well-functioning system"

99 "Missing"

95 "Children age 0-11 years".

MISSING VALUES sys12to17care2\_16(99).

EXECUTE.

MISSING VALUES sys0to11care2\_16 sys12to17care2\_16().

COMPUTE SystCare2\_16=99.

IF sys0to11care2\_16 = 1 or sys12to17care2\_16 = 1 SystCare2\_16 =1.

IF sys0to11care2\_16 = 2 or sys12to17care2\_16 = 2 SystCare2\_16 =2.

IF sys0to11care2\_16 = 99 and sys12to17care2\_16 = 99 SystCare2\_16 =2.

VARIABLE LABELS SystCare2\_16 "Indicator 4.17: Percent of children received care in a well-functioning system".

VALUE LABELS SystCare2\_16

1 "Received care in a well-functioning system"

2 "Did not receive care in a well-functioning system"

99 "Missing".

MISSING VALUES SystCare2\_16(99).

EXECUTE.

Indicator 4.18	<b>Forgone health care</b>
<b>Description</b>	During the past 12 months, was there any time when this child needed health care but it was not received?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C24; for children 6-11 years: C22; for children 12-17 years: C23 Variable in public use data file: K4Q27
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children who received needed health care; Children who did not receive needed health care
<b>Notes for Data-Users</b>	
This measure is based on the single item K4Q27 "During the past 12 months, was there any time when this child needed health care but it was not received? By health care, we mean medical care as well as other kinds of care like dental care, vision care, and mental health services."	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, this question asked if care was "delayed or not received". The 2016 NSCH asks if care was "not received". For more information about the changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
RECODE K4Q27 (SYSMIS=99) (else=copy) into ForgoneCare_16. VARIABLE LABELS ForgoneCare_16 "Children who needed health care but it was not received". VALUE LABELS ForgoneCare_16 1 "Needed care, but did not receive" 2 "Received needed care" 99 "Misiisng". MISSING VALUES ForgoneCare_16(99). EXECUTE.  <b>***Forgone health care services -- list of 6 types</b>  COMPUTE ForgoneMed_16 = 999. IF K4Q28X01 = 1 ForgoneMed_16 = 1. IF K4Q28X01 = 2 ForgoneMed_16 = 2. IF (SYSMIS(K4Q28X01)) ForgoneMed_16 = 99. IF K4Q27 = 2 or K4Q28X01 = 2 ForgoneMed_16 = 2. IF (SYSMIS(K4Q27)) ForgoneMed_16 = 99. VARIABLE LABELS ForgoneMed_16 "Did not receive needed medical care during the past 12 months". VALUE LABELS ForgoneMed_16 1 "Did not receive needed medical care"	

2 "Received needed medical care"

99 "Missing".

MISSING VALUES ForgoneMed\_16(99).

COMPUTE ForgoneDent\_16 = 999.

IF K4Q28X02 = 1 ForgoneDent\_16 = 1.

IF K4Q28X02 = 2 ForgoneDent\_16 = 2.

IF (SYSMIS(K4Q28X02)) ForgoneDent\_16 = 99.

IF K4Q27 = 2 ForgoneDent\_16 = 2.

IF (SYSMIS(K4Q27)) ForgoneDent\_16 = 99.

IF SC\_AGE\_YEARS < 1 ForgoneDent\_16 = 95.

VARIABLE LABELS ForgoneDent\_16 "Did not receive needed dental care during the past 12 months, age 1-17 years".

VALUE LABELS ForgoneDent\_16

1 "Did not receive needed dental care"

2 "Received needed dental care"

99 "Missing"

95 "Children age less than 1 year old".

MISSING VALUES ForgoneDent\_16(95,99).

COMPUTE ForgoneVis\_16 = 999.

IF K4Q28X03 = 1 ForgoneVis\_16 = 1.

IF K4Q28X03 = 2 ForgoneVis\_16 = 2.

IF (SYSMIS(K4Q28X03)) ForgoneVis\_16 = 99.

IF K4Q27 = 2 ForgoneVis\_16 = 2.

IF (SYSMIS(K4Q27)) ForgoneVis\_16 = 99.

VARIABLE LABELS ForgoneVis\_16 "Did not receive needed vision care during the past 12 months".

VALUE LABELS ForgoneVis\_16

1 "Did not receive needed vision care"

2 "Received needed vision care"

99 "Missing".

MISSING VALUES ForgoneVis\_16(99).

COMPUTE ForgoneHear\_16 = 999.

IF K4Q28X\_EAR = 1 ForgoneHear\_16 = 1.

IF K4Q28X\_EAR = 2 ForgoneHear\_16 = 2.

IF (SYSMIS(K4Q28X\_EAR)) ForgoneHear\_16 = 99.

IF K4Q27 = 2 ForgoneHear\_16 = 2.

IF (SYSMIS(K4Q27)) ForgoneHear\_16 = 99.

VARIABLE LABELS ForgoneHear\_16 "Did not receive needed hearing care during the past 12 months".

VALUE LABELS ForgoneHear\_16

1 "Did not receive needed hearing care"

2 "Received needed hearing care"

99 "Missing".

MISSING VALUES ForgoneHear\_16(99).

COMPUTE ForgoneMH\_16 = 999.

IF K4Q28X04 = 1 ForgoneMH\_16 = 1.

IF K4Q28X04 = 2 ForgoneMH\_16 = 2.

IF (SYSMIS(K4Q28X04)) ForgoneMH\_16 = 99.

IF K4Q27 = 2 ForgoneMH\_16 = 2.

IF (SYSMIS(K4Q27)) ForgoneMH\_16 = 99.

IF SC\_AGE\_YEARS < 3 ForgoneMH\_16 = 95.

VARIABLE LABELS ForgoneMH\_16 "Did not receive needed mental health services during the past 12 months, age 3-17 years".

VALUE LABELS ForgoneMH\_16

1 "Did not receive needed mental health care"

2 "Received needed mental health care"

99 "Missing"

95 "Children age 0-2 years".

MISSING VALUES ForgoneMH\_16(95,99).

COMPUTE ForgoneOther\_16 = 999.

IF K4Q28X05 = 1 ForgoneOther\_16 = 1.

IF K4Q28X05 = 2 ForgoneOther\_16 = 2.

IF (SYSMIS(K4Q28X05)) ForgoneOther\_16 = 99.

IF K4Q27 = 2 ForgoneOther\_16 = 2.

IF (SYSMIS(K4Q27)) ForgoneOther\_16 = 99.

VARIABLE LABELS ForgoneOther\_16 "Did not receive needed other health services during the past 12 months".

VALUE LABELS ForgoneOther\_16

1 "Did not receive needed other types of care"

2 "Received needed other types of care"

99 "Missing".

MISSING VALUES ForgoneOther\_16(99).

### **\*\*\*Reasons for forgone health care -- 6 reasons**

RECODE NOTELIG

(SYSMIS=99) (else=copy) into ineligible\_16.

IF K4Q27 = 2 ineligible\_16 = 95.

IF (SYSMIS(K4Q27)) ineligible\_16 = 99.

VARIABLE LABELS ineligible\_16 "Did not receive needed health care because the child was not eligible".

VALUE LABELS ineligible\_16

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

99 "Missing"

95 "Received needed health care".

MISSING VALUES ineligible\_16(95,99).

RECODE AVAILABLE

(SYSMIS=99) (else=copy) into unavailable\_16.

IF K4Q27 = 2 unavailable\_16 = 95.

IF (SYSMIS(K4Q27)) unavailable\_16 = 99.

VARIABLE LABELS unavailable\_16 "Did not receive needed health care because the service this child needed were not available in their area".

VALUE LABELS unavailable\_16

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

99 "Missing"

95 "Received needed health care".

MISSING VALUES unavailable\_16(95,99).

RECODE APPOINTMENT

(SYSMIS=99) (else=copy) into appointment\_16.

IF K4Q27 = 2 appointment\_16 = 95.

```
IF (SYSMIS(K4Q27)) appointment_16 = 99.  
VARIABLE LABELS appointment_16 "Did not receive needed health care because there were problems  
getting an appointment".  
VALUE LABELS appointment_16  
1 "Experienced this difficulty"  
2 "Did not experience this difficulty"  
99 "Missing"  
95 "Received needed health care".  
MISSING VALUES appointment_16(95,99).
```

```
RECODE TRANSPORTCC  
(SYSMIS=99) (else=copy) into transport_16.  
IF K4Q27 = 2 transport_16 = 95.  
IF (SYSMIS(K4Q27)) transport_16 = 99.  
VARIABLE LABELS transport_16 "Did not receive needed health care because there were problems with  
getting transportation or child care".  
VALUE LABELS transport_16  
1 "Experienced this difficulty"  
2 "Did not experience this difficulty"  
99 "Missing"  
95 "Received needed health care".  
MISSING VALUES transport_16(99).
```

```
RECODE NOTOPEN  
(SYSMIS=99) (else=copy) into NotOpen_16.  
IF K4Q27 = 2 NotOpen_16 = 95.  
IF (SYSMIS(K4Q27)) NotOpen_16 = 99.  
VARIABLE LABELS NotOpen_16 "Did not receive needed health care because the office was not open  
when the child needs care".  
VALUE LABELS NotOpen_16  
1 "Experienced this difficulty"  
2 "Did not experience this difficulty"  
99 "Missing"  
95 "Received needed health care".  
MISSING VALUES NotOpen_16(99).
```

```
RECODE ISSUECOST  
(SYSMIS=99) (else=copy) into CostIssue_16.  
IF K4Q27 = 2 CostIssue_16 = 95.  
IF (SYSMIS(K4Q27)) CostIssue_16 = 99.  
VARIABLE LABELS CostIssue_16 "Did not receive needed health care due to issues related to cost".  
VALUE LABELS CostIssue_16  
1 "Experienced this difficulty"  
2 "Did not experience this difficulty"  
99 "Missing"  
95 "Received needed health care".  
MISSING VALUES CostIssue_16(99).
```

Indicator 4.19	Problem paying medical bills
Description	During the past 12 months, did your family have problems paying for any of this child's medical or health care bills?
Survey Items Used	Survey instrument item number for children 0-5 years: F1,F3; for children 6-11 years: F1,F3; for children 12-17 years: F1,F3 Variable in public use data file: HOWMUCH; K3Q25
Denominator	Children age 0-17 years
Numerator	Children whose family had problems paying for their children's medical or health care bills; Children whose family did not have problems paying their children's medical or health care bills, Children who did not have medical or health-related expenses
<b>Notes for Data-Users</b>	
This question was asked among children who had out-of-pocket costs for health care.	
<b>Rewritten in 2016</b>	
There were changes to the wording of the question. For more information about the question changes <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K3Q25 (SYSMIS=99) (else=copy) into MedBills_16. IF HOWMUCH = 1 MedBills_16 = 0. VARIABLE LABELS MedBills_16 "Indicator 4.19: Family had problems paying for child's medical or health care bills during the past 12 months". VALUE LABELS MedBills_16 0 "No medical or health-related expenses" 1 "Had problems paying medical bills" 2 "Did not have problems paying medical bills" 99 "Missing". MISSING VALUES MedBills_16(99). FORMATS MedBills_16(f4.0). EXECUTE. </pre>	

Indicator 4.20	Frustrated in efforts to get services
Description	During the past 12 months, how often were you frustrated in your efforts to get services for this child?
Survey Items Used	Survey instrument item number for children 0-5 years: C27; for children 6-11 years: C25; for children 12-17 years: C26 Variable in public use data file: C4Q04
Denominator	Children age 0-17 years
Numerator	Children whose family usually or always frustrated in effort to get services; Children whose family sometimes frustrated in effort to get services; Children whose family never frustrated in effort to get services
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the question changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE frustrated_16 = 999. IF C4Q04 = 1 frustrated_16 = 0. IF C4Q04 = 2 frustrated_16 = 1. IF C4Q04 = 3 or C4Q04 = 4 frustrated_16 = 2. IF (SYSNMIS(C4Q04)) frustrated_16 = 99. VARIABLE LABELS frustrated_16 "Indicator 4.20: Family frustrated in efforts to get services for their children during the past 12 months". VALUE LABELS frustrated_16 0 "Never frustrated" 1 "Sometimes frustrated" 2 "Usually/always frustrated" 99 "Missing". MISSING VALUES frustrated_16(99). FORMATS frustrated_16(f4.0). EXECUTE. </pre>	

Indicator 5.1	Special education or early intervention plan, age 1-17 years
Description	Is this child currently receiving services under a special education or early intervention plan?
Survey Items Used	Survey instrument item number for children 0-5 years: C29,C31; for children 6-11 years: C27,C29; for children 12-17 years: C28,C30 Variable in public use data file: K6Q15; SESCURRSVC
Denominator	Children age 1-17 years
Numerator	Children who have a special education or early intervention plan; Children who do not have a special education or early intervention plan
<b>Notes for Data-Users</b>	
Families with young children (<3 years old) who have disabilities could be enrolled in an early intervention program that is called an Individualized Family Service Plan or IFSP. The IFSP takes a family-based approach to prepare children to learn in school. Some children have difficulty in school because of a health problem, condition, or disability. These children may receive services from a Special Education program and have a written intervention plan called an Individualized Education Plan or IEP. Services on an IEP might include special instruction; speech language therapy; vision and hearing services; psychological services; health services; social work services; family counseling and support; transportation; or other services needed to support the child's educational performance.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, two separate questions were asked for children 0-5 and 6-17. In the 2016 NSCH, one, combined question asked if a child "ever received a special education plan" or "early intervention plan". Additionally, two new follow up questions: "how old was when the child start receiving services" and "if the child currently receiving services" were asked in the 2016 NSCH. There were changes to the wording of the question. For more information about the question changes, <a href="#">click here</a> .  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SpEducPln_16 = 999. IF SESCURRSVC = 1 SpEducPln_16 = 1. IF SESCURRSVC = 2 SpEducPln_16 = 2. IF (SYSMIS(SESCURRSVC)) SpEducPln_16 = 99. IF K6Q15 = 2 SpEducPln_16 = 2. IF (SYSMIS(K6Q15)) SpEducPln_16 = 99. IF SC_AGE_YEARS &lt; 1 SpEducPln_16 = 95. VARIABLE LABELS SpEducPln_16 "Indicator 5.1: Children currently receives special education or early intervention services, age 1-17 years". VALUE LABELS SpEducPln_16 1 "Yes" 2 "No" 99 "Missing" </pre>	

**Child and Family Health Measures – Community and School Activities**

95 "Children under 1 year old".  
MISSING VALUES SpEducPln\_16(95,99).  
FORMATS SpEducPln\_16(f2.0).  
EXECUTE.

<b>Indicator 5.1a</b>	<b>Age started special education or early intervention plan</b>
<b>Description</b>	How old was this child, in months, at the time of the first plan?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C30; for children 6-11 years: C28; for children 12-17 years: C29 Variable in public use data file: SESPLANYR
<b>Denominator</b>	Children age 0-17 years who ever received special education plan or early intervention plan
<b>Numerator</b>	Children who received a special education plan or early intervention plan when they were 5 years or younger; Children who received a special education plan or early intervention plan when they were 6-11 years or older; Children who received a special education plan or early intervention plan when they were 12 years or older

**Notes for Data-Users**

This question was only asked among children who ever had a special education plan or early intervention plan.

**Rewrites in 2016**

This item is new in the 2016 NSCH.

**SPSS Syntax and Annotation**

```

RECODE SESPLANYR
(0 thru 2=1) (3 thru 5=2) (6 thru 17=3) (SYSMIS=99) into SpEdAge_16.
IF K6Q15 = 2 SpEdAge_16 = 0.
IF (SYSMIS(K6Q15)) SpEdAge_16 = 99.
IF SC_AGE_YEARS<1 SpEdAge_16 = 95.
VARIABLE LABELS SpEdAge_16 "Indicator 5.1a: Age started special education or early intervention plan,
age 1-5 years".
VALUE LABELS SpEdAge_16
0 "Never received the services"
1 "At age less than 3 years old"
2 "At age 3-5 years old"
3 "At age 6-17 years old"
95 "Children less than 1 year old"
99 "Missing".
MISSING VALUES SpEdAge_16(0,95,99).
FORMATS SpEdAge_16(f2.0).
EXECUTE.

```

Indicator 5.2	School engagement, age 6-17 years
Description	Is this child engaged in school: cares about doing well in school and doing required homework?
Survey Items Used	Survey instrument item number for children 6-11 years: A3d-e; for children 12-17 years: A3d-e Variable in public use data file: K7Q82_R; K7Q83_R
Denominator	Children age 6-17 years
Numerator	Children whose parents definitely agree that their child cares about doing well in school and doing required homework; Children whose parents somewhat agree that their child cares about doing well in school and doing required homework; Children whose parents do not agree that their child cares about doing well in school and doing required homework
<b>Notes for Data-Users</b>	
“School engagement” is measured according to whether parents reported “definitely true” that their child care about doing well in school and do all required homework. These questions are asked for children between 6 and 17 years of age.	
<b>Revisions in 2016</b>	
Response options were changed from “Never, rarely, sometimes, usually, or always true” to “Definitely true, somewhat true, or not true.” Reference to “the past month” was not included in the 2016 NSCH question. For more information about the changes, <a href="#">click here</a> .	
Due to changes in the survey’s mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SchlEngage_16 = 2. IF K7Q82_R = 1 and K7Q83_R = 1 SchlEngage_16 = 1. IF K7Q82_R = 3 or K7Q83_R = 3 SchlEngage_16 = 3. IF (SYSMIS(K7Q82_R)) and (SYSMIS(K7Q83_R)) SchlEngage_16 = 99. IF SC_AGE_YEARS &lt; 6 SchlEngage_16 = 90. VARIABLE LABELS SchlEngage_16 "Indicator 5.2: School engagement, age 6-17 years". VALUE LABELS SchlEngage_16 1 "Definitely true to both items" 2 "Definitely true to only one item" 3 "Not true to any item" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES SchlEngage_16(90,99). FORMATS SchlEngage_16(f4.0). EXECUTE.  RECODE K7Q82_R </pre>	

**Child and Family Health Measures – Community and School Activities**

```
(SYSMIS=99) (1=1) (2 thru 3=2) (else=copy) into cares_16.  
IF SC_AGE_YEARS < 6 cares_16 = 90.  
VARIABLE LABELS cares_16 "Children who care about doing well in school, age 6-17 years".  
VALUE LABELS cares_16  
1 "Definitely true"  
2 "Somewhat true or not true"  
99"Missing"  
90 "Children age 0-5 years".  
MISSING VALUES cares_16(90,99).  
FORMATS cares_16(f4.0).  
EXECUTE.
```

```
RECODE K7Q83_R  
(SYSMIS=99) (else=copy) into homework_16.  
IF SC_AGE_YEARS < 6 homework_16 = 90.  
VARIABLE LABELS homework_16 "Children who do all required homework, age 6-17 years".  
VALUE LABELS homework_16  
1 "Definitely true"  
2 "Somewhat true"  
3 "Not true"  
99 "Missing"  
90 "Children age 0-5 years".  
MISSING VALUES homework_16(90,99).  
FORMATS homework_16(f4.0).  
EXECUTE.
```

Indicator 5.3	Repeated grades in school, age 6-17 years
Description	Since starting kindergarten, has this child repeated any grades?
Survey Items Used	Survey instrument item number for children 6-11 years: G3; for children 12-17 years: G3 Variable in public use data file: REPEATED
Denominator	Children age 6-17 years
Numerator	Children who repeated a grade; Child who did not repeated a grade
Notes for Data-Users	This question is asked for all children between 6 and 17 years of age.
Revisions in 2016	The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.
SPSS Syntax and Annotation	<pre> RECODE REPEATED (1=1) (2=2) (SYSMIS=99) into ReptGrade_16. IF SC_AGE_YEARS &lt; 6 ReptGrade_16 = 90. VARIABLE LABELS ReptGrade_16 "Indicator 5.3: Children repeated any grades since starting kindergarten, age 6-17 years". VALUE LABELS ReptGrade_16 1 "Yes" 2 "No" 90 "Children age 0-5 years" 99 "Missing". MISSING VALUES ReptGrade_16(90,99). FORMATS ReptGrade_16(f2.0). EXECUTE. </pre>

<b>Indicator 5.4</b>	<b>Missed school days, age 6-17 years</b>
<b>Description</b>	During the past 12 months, about how many days did this child miss school because of illness or injury?
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: G1; for children 12-17 years: G1 Variable in public use data file: K7Q02R_R
<b>Denominator</b>	Children age 6-17 years
<b>Numerator</b>	Children who have no missed school days due to illness or injury; Children who missed 1 - 3 days of school because of illness or injury; Children who missed 4-6 school days because of illness or injury; Children missed 7 - 10 school days because of illness or injury; Children missed 11 or more days because of illness or injury
<b>Notes for Data-Users</b>	
This measure was derived based on a single item.	
<b>Rewrites in 2016</b>	
<p>In the 2011/12 NSCH, parents who reported that their child was "home-schooled" "did not go to school" were not included in the denominator. The 2016 NSCH question did not have response options to indicate whether the child was home-schooled or did not go to school in the past 12 months. Additionally, response options were reported in continuous numbers in the 2011/12 NSCH, but were reported in five categorical ranges of missed school days in the 2016 NSCH. There were changes to the wording of the questions. For more information about the question changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q02R_R (1 thru 4=1) (5=2) (SYSMIS=99) into SchIMiss2_16. IF SC_AGE_YEARS &lt; 6 SchIMiss2_16 = 90. VARIABLE LABELS SchIMiss2_16 "Indicator 5.4: Missed school days during the past 12 months, age 6-17 years". VALUE LABELS SchIMiss2_16 1 "0-10 days" 2 "11 or more days" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES SchIMiss2_16(90,99). FORMATS SchIMiss2_16(f2.0). EXECUTE. </pre>	

Indicator 5.5	Participation in organized activities, age 6-17 years
Description	During the past 12 months, did this child participate in any organized activities or lessons, after school or on weekend?
Survey Items Used	Survey instrument item number for children 6-11 years: G4a-c; for children 12-17 years: G4a-c Variable in public use data file: K7Q30; K7Q31; K7Q32
Denominator	Children age 6-17 years
Numerator	Children who participate in one or more extracurricular activities; Children who do not participate in extracurricular activities
<b>Notes for Data-Users</b>	
For this measure, activities outside of school are defined as: sports teams or lessons (K7Q30), clubs or organizations that take place after school or on weekends or (K7Q31) any other organized activities or lessons, such as music, dance, language, or other arts (K7Q32).	
<b>Revisions in 2016</b>	
The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q30 (1=1) (2=2) (SYSMIS=99) into sports_16. IF SC_AGE_YEARS &lt; 6 sports_16 = 90. VARIABLE LABELS sports_16 "Participation in sports teams or sports lessons after school or on weekends". VALUE LABELS sports_16 1 "Participated in activity" 2 "Did not participate" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES sports_16(90,99). FORMATS sports_16(f4.0).  RECODE K7Q31 (1=1) (2=2) (SYSMIS=99) into clubs_16. IF SC_AGE_YEARS &lt; 6 clubs_16 = 90. VARIABLE LABELS clubs_16 "Participation in clubs or organizations after school or on weekends". VALUE LABELS clubs_16 1 "Participated in activity" 2 "Did not participate" 99 "Missing" 90 "Children age 0-5 years". </pre>	

MISSING VALUES clubs\_16(90,99).

FORMATS clubs\_16(f4.0).

RECODE K7Q32

(1=1) (2=2) (SYSMIS=99) into lessons\_16.

IF SC\_AGE\_YEARS < 6 lessons\_16 = 90.

VARIABLE LABELS lessons\_16 "Participation in any other organized activities or lessons, such as music, dance, language or other arts".

VALUE LABELS lessons\_16

1 "Participated in activity"

2 "Did not participate"

99 "Missing"

90 "Children age 0-5 years".

MISSING VALUES lessons\_16(90,99).

FORMATS lessons\_16(f4.0).

MISSING VALUES sports\_16 clubs\_16 lessons\_16().

COUNT partic\_16 = sports\_16 clubs\_16 lessons\_16(1).

IF sports\_16 = 99 and clubs\_16 = 99 and lessons\_16 = 99 partic\_16 = 99.

IF SC\_AGE\_YEARS < 6 partic\_16=90.

VARIABLE LABELS partic\_16 "Number of organized activities child participates in after school (6-17 years)".

VALUE LABELS partic\_16

99 "Missing to all"

90 "Children age 0-5 years".

RECODE partic\_16 (0=2) (1 thru 3 = 1) (else=copy) into AftSchAct\_16.

VARIABLE LABELS AftSchAct\_16 "Indicator 5.5: Children participate in organized activities outside school, age 6-17 years".

VALUE LABELS AftSchAct\_16

1 "Participate in one or more extracurricular activities"

2 "Do not participate in extracurricular activities"

99 "Missing to all"

90 "Children age 0-5 years".

MISSING VALUES AftSchAct\_16 (90,99).

FORMATS AftSchAct\_16 (f4.0).

EXECUTE.

Indicator 5.6	Parent participation in child's events/activities, age 6-17 years
Description	During the past 12 months, how often did you attend events or activities that this child participated in?
Survey Items Used	Survey instrument item number for children 6-11 years: G5; for children 12-17 years: G5 Variable in public use data file: K7Q33
Denominator	Children age 6-17 years
Numerator	Children whose parents always/usually attend events or activities that their children participated in; Children whose parent sometimes attend events or activities that their children participated in; Children whose parent rarely/never attend events or activities that their children participated in
<b>Notes for Data-Users</b>	
IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. The accurate way to report these results is: "Percent of children whose parents always/usually attend events or activities that their children participated in", not as "Percent of parents..." .	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, parents who reported that their child did not participate in sports teams or lessons (K7Q30), clubs or organizations (K7Q31), or any other organized events or activities (K7Q32) during the past 12 months were not asked this question. In the 2016 NSCH, this question was asked among all school-aged children and an additional response option -- "Rarely" -- was added.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q33 (1 thru 2 = 1) (3 thru 5=2) (SYSMIS=99) into EventPart2_16. IF SC_AGE_YEARS &lt; 6 EventPart2_16 = 90. VARIABLE LABELS EventPart2_16 "Indicator 5.6: Parents participate in child's event or activities, age 6-17 years". VALUE LABELS EventPart2_16 1 "Always or Usually" 2 "Sometimes, Rarely or Never" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES EventPart2_16(90,99). FORMATS EventPart2_16(f4.0). EXECUTE. </pre>	

Indicator 5.7	Participation in community service or volunteer work, age 6-17 years
Description	During the past 12 months, did this child participate in any type of community service or volunteer work at school, church, or in the community?
Survey Items Used	Survey instrument item number for children 6-11 years: G4d; for children 12-17 years: G4d Variable in public use data file: K7Q37
Denominator	Children age 6-17 years
Numerator	Children who participated in any type of community service or volunteer work at school, church, or in the community; Children who did not participate in any type of community service or volunteer work at school, church, or in the community
<b>Notes for Data-Users</b>	
This question was asked for children between 6 and 17 years of age.	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. Response options changed from "Once a week or more", "A few times a month", "A few times a year, or "Never" to "Yes" or "No". Additionally, in the 2011/12 NSCH, only children age 12-17 years were asked this question. For more information about the changes <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q37 (1=1) (2=2) (SYSMIS=99) into volunteer_16. IF SC_AGE_YEARS &lt; 6 volunteer_16 = 90. VARIABLE LABELS volunteer_16 "Indicator 5.7: Children participate in community service or volunteer work at school, church, or in the community, age 6-17 years". VALUE LABELS volunteer_16 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES volunteer_16(90,99). FORMATS volunteer_16(f4.0). EXECUTE. </pre>	

Indicator 5.8	Work for pay, age 12-17 years
Description	During the past 12 months, did this child work for pay, including regular jobs as well as babysitting, cutting grass, or other occasional work?
Survey Items Used	Survey instrument item number for children 12-17 years: G4e Variable in public use data file: K7Q38
Denominator	Children age 12-17 years
Numerator	Children who worked for pay; Children who did not work for pay
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the question changes <a href="#">click here</a> . In the 2011/12 NSCH, only children age 12-17 years were asked this question. The denominator of this measure is remained the same for the DRC indicator even the question was asked among children 6-17 years in the 2016 NSCH.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q38 (1=1) (2=2) (SYSMIS=99) into workpay_16. IF SC_AGE_YEARS &lt; 12 workpay_16 = 90. VARIABLE LABELS workpay_16 "Indicator 5.8: Work for pay outside home, 12-17 years". VALUE LABELS workpay_16 1 "Worked for pay" 2 "Did not work for pay" 99 "Missing" 90 "Children age 0-11 years". MISSING VALUES workpay_16(90,99). FORMATS workpay_16(f4.0). EXECUTE. </pre>	

Indicator 5.9	Adult mentor, age 6-17 years
Description	Other than you or other adults in your home, is there at least one other adult in this child's school, neighborhood, or community who knows this child well and who he or she can rely on for advice or guidance?
Survey Items Used	Survey instrument item number for children 6-11 years: I10; for children 12-17 years: I10 Variable in public use data file: K9Q96
Denominator	Children age 6-17 years
Numerator	Children who have at least one other adult the child can rely on for advice or guidance, Children who do not have other adult the child can rely on for advice or guidance.
<b>Notes for Data-Users</b>	
N/A.	
<b>Rewrites in 2016</b>	
There were changes to the wording of the question. For more information about the changes <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K9Q96 (1=1) (2=2) (SYSMIS=99) into mentor_16. IF SC_AGE_YEARS &lt; 6 mentor_16 = 90. VARIABLE LABELS mentor_16 "Indicator 5.9: Children have at least one adult mentor they can rely on for advice or guidance, age 6-17 years". VALUE LABELS mentor_16 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES mentor_16(90,99). FORMATS mentor_16(f4.0). EXECUTE. </pre>	

<b>Indicator 5.11</b>	<b>Healthy and ready to learn, age 3-5 years (UNDER DEVELOPMENT)</b> <b>Individual items ONLY</b>
<b>Description</b>	Did this child meet the criteria for Healthy and Ready to Learn National Outcome Measure (under development)
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: G1-G122
<b>Denominator</b>	Children age 3-5 years who haven't started school
<b>Numerator</b>	Children who met the criteria for Healthy and Ready to Learn Outcome Measure; Children who did not meet the criteria for Healthy and Ready to Learn Measure
<b>Notes for Data-Users</b>	
This is a new Title V MCH Services Block Grant National Outcome Measure.	
<b>Revisions in 2016</b>	
This is new measure in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
*Individual items*	
<pre> RECODE STARTSCHOOL (SYSMIS=99) (else=copy) into StartSchl_16 . IF SC_AGE_YEARS &gt; 5 StartSchl_16 = 90. IF SC_AGE_YEARS &lt; 3 StartSchl_16 = 95. VARIABLE LABELS StartSchl_16 "Children who started school including homeschooling, age 3-5 years". VALUE LABELS StartSchl_16 1 "Yes" 2 "No" 99"Missing" 95 "Children age 0-2 years" 90 "Children age 6-17 years". MISSING VALUES StartSchl_16(90,95,99).  RECODE K6Q08_R (SYSMIS=99) (else=copy) into LearnThings_16 . IF SC_AGE_YEARS &gt; 5 LearnThings_16 = 90. IF SC_AGE_YEARS &lt; 3 LearnThings_16 = 95. VARIABLE LABELS LearnThings_16 "Learning to do things for him or herself, age 3-5 years". VALUE LABELS LearnThings_16 1 "Very well" 2 "Somewhat well" 3 "Poorly" 4 "Not at all" 99"Missing" 95 "Children age 0-2 years" 90 "Children age 6-17 years". MISSING VALUES LearnThings_16(90,95,99). </pre>	

RECODE CONFIDENT

(SYSMIS=99) (else=copy) into confident\_16.

IF SC\_AGE\_YEARS > 5 confident\_16 = 90.

IF SC\_AGE\_YEARS < 3 confident\_16 = 95.

VARIABLE LABELS confident\_16 "Parental confidence about child's success in elementary or primary school, age 3-5 years".

VALUE LABELS confident\_16

1 "Very confident"

2 "Mostly confident"

3 "Somewhat confident"

4 "Not confident at all"

99"Missing"

95 "Children age 0-2 years"

90 "Children age 6-17 years".

MISSING VALUES confident\_16(90,95,99).

RECODE RECOGBEGIN

(SYSMIS=99) (else=copy) into RecogBegin\_16 .

IF SC\_AGE\_YEARS > 5 RecogBegin\_16 = 90.

IF SC\_AGE\_YEARS < 3 RecogBegin\_16 = 95.

VARIABLE LABELS RecogBegin\_16 "Ability to recognize beginning sound of a word, age 3-5 years".

VALUE LABELS RecogBegin\_16

1 "All of the time"

2 "Most of the time"

3 "Some of the time"

4 "None of the time"

99 "Missing"

95 "Children age 0-2 years"

90 "Children age 6-17 years".

MISSING VALUES RecogBegin\_16(90,95,99).

RECODE RECOGABC

(SYSMIS=99) (else=copy) into RecogLetter\_16 .

IF SC\_AGE\_YEARS>5 RecogLetter\_16 = 90.

IF SC\_AGE\_YEARS<3 RecogLetter\_16 = 95.

VARIABLE LABELS RecogLetter\_16 "Recognize letters of alphabet, age 3-5 years".

VALUE LABELS RecogLetter\_16

1 "All of them"

2 "Most of them"

3 "Some of them"

4 "None of them"

99"Missing"

95 "Children age 0-2 years"

90 "Children age 6-17 years".

MISSING VALUES RecogLetter\_16(90,95,99).

RECODE RHYMEWORD

(SYSMIS=99) (else=copy) into RhymeWord\_16 .

IF SC\_AGE\_YEARS > 5 RhymeWord\_16 = 90.

IF SC\_AGE\_YEARS < 3 RhymeWord\_16 = 95.

VARIABLE LABELS RhymeWord\_16 "Ability to rhyme words, age 3-5 years".

VALUE LABELS RhymeWord\_16

```

1 "Yes"
2 "No"
99"Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES RhymeWord_16(90,95,99).

```

```

RECODE CLEAREXP
(SYSMIS=99) (else=copy) into ClearExp_16 .
IF SC_AGE_YEARS>5 ClearExp_16 = 90.
IF SC_AGE_YEARS<3 ClearExp_16 = 95.
VARIABLE LABELS ClearExp_16 "Ability to explain things child has seen or done, age 3-5 years ".
VALUE LABELS ClearExp_16
1 "All of the time"
2 "Most of the time"
3 "Some of the time"
4 "None of the time"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES ClearExp_16(90,95,99).

```

```

RECODE WRITENAME
(SYSMIS=99) (else=copy) into WriteName_16 .
IF SC_AGE_YEARS > 5 WriteName_16 = 90.
IF SC_AGE_YEARS < 3 WriteName_16 = 95.
VARIABLE LABELS WriteName_16 "Ability to write his/her first name, age 3-5 years".
VALUE LABELS WriteName_16
1 "All of the time"
2 "Most of the time"
3 "Some of the time"
4 "None of the time"
99"Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES WriteName_16(90,95,99).

```

```

RECODE COUNTTO
(1 thru 2=1) (3=2) (4=3) (5=4) (6=5) (SYSMIS=99) (else=copy) into CountTo_16 .
IF SC_AGE_YEARS>5 CountTo_16 = 90.
IF SC_AGE_YEARS<3 CountTo_16 = 95.
VARIABLE LABELS CountTo_16 "Child can count how high, age 3-5 years".
VALUE LABELS CountTo_16
1 "Not at all or up to five"
2 "Up to ten"
3 "Up to 20"
4 "Up to 50"
5 "Up to 100 or more"
99"Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES CountTo_16(90,95,99).

```

RECODE RECSHAPES

(SYSMIS=99) (else=copy) into RecogShapes\_16.  
IF SC\_AGE\_YEARS>5 RecogShapes\_16 = 90.  
IF SC\_AGE\_YEARS<3 RecogShapes\_16 = 95.  
VARIABLE LABELS RecogShapes\_16 "Child recognizes basic shapes, age 3-5 years".  
VALUE LABELS RecogShapes\_16  
1 "All of the time"  
2 "Most of the time"  
3 "Some of the time"  
4 "None of the time"  
99"Missing"  
95 "Children age 0-2 years"  
90 "Children age 6-17 years".  
MISSING VALUES RecogShapes\_16(90,95,99).

RECODE DISTRACTED

(SYSMIS=99) (else=copy) into distracted\_16.  
IF SC\_AGE\_YEARS > 5 distracted\_16 = 90.  
IF SC\_AGE\_YEARS < 3 distracted\_16 = 95.  
VARIABLE LABELS distracted\_16 "Child often easily distracted, 3-5 years".  
VALUE LABELS distracted\_16  
1 "All of the time"  
2 "Most of the time"  
3 "Some of the time"  
4 "None of the time"  
99 "Missing"  
95 "Children age 0-2 years"  
90 "Children age 6-17 years".  
MISSING VALUES distracted\_16(90,95,99).

RECODE WORKTOFIN

(SYSMIS=99) (else=copy) into WorkToFin\_16.  
IF SC\_AGE\_YEARS > 5 WorkToFin\_16 = 90.  
IF SC\_AGE\_YEARS < 3 WorkToFin\_16 = 95.  
VARIABLE LABELS WorkToFin\_16 "Children often keeps working at something until he or she is finished, age 3-5 years".  
VALUE LABELS WorkToFin\_16  
1 "All of the time"  
2 "Most of the time"  
3 "Some of the time"  
4 "None of the time"  
99"Missing"  
95 "Children age 0-2 years"  
90 "Children age 6-17 years".  
MISSING VALUES WorkToFin\_16(90,95,99).

RECODE SIMPLEINST

(SYSMIS=99) (else=copy) into SimpleInst\_16.  
IF SC\_AGE\_YEARS > 5 SimpleInst\_16 = 90.  
IF SC\_AGE\_YEARS < 3 SimpleInst\_16 = 95.  
VARIABLE LABELS SimpleInst\_16 "Child often can follow instructions to complete a simple task, age 3-5 years".  
VALUE LABELS SimpleInst\_16

1 "All of the time"  
2 "Most of the time"  
3 "Some of the time"  
4 "None of the time"  
99"Missing"  
95 "Children age 0-2 years"  
90 "Children age 6-17 years".  
MISSING VALUES SimpleInst\_16(90,95,99).

RECODE USEPENCIL  
(SYSMIS=99) (else=copy) into UsePencil\_16.  
IF SC\_AGE\_YEARS>5 UsePencil\_16 = 90.  
IF SC\_AGE\_YEARS<3 UsePencil\_16 = 95.  
VARIABLE LABELS UsePencil\_16 "How child holds pencil, age 3-5 years".  
VALUE LABELS UsePencil\_16  
1 "Uses fingers"  
2 "Grips in fist"  
3 "Cannot hold a pencil"  
99 "Missing"  
95 "Children age 0-2 years"  
90 "Children age 6-17 years".  
MISSING VALUES UsePencil\_16(90,95,99).

RECODE PLAYWELL  
(SYSMIS=99) (else=copy) into PlayWell\_16.  
IF SC\_AGE\_YEARS > 5 PlayWell\_16 = 90.  
IF SC\_AGE\_YEARS < 3 PlayWell\_16 = 95.  
VARIABLE LABELS PlayWell\_16 "Child plays well with others, age 3-5 years".  
VALUE LABELS PlayWell\_16  
1 "All of the time"  
2 "Most of the time"  
3 "Some of the time"  
4 "None of the time"  
99 "Missing"  
90 "Children age 6-17 years"  
95 "Children age 0-2 years".  
MISSING VALUES PlayWell\_16(90,95,99).

RECODE NEWACTIVITY  
(SYSMIS=99) (else=copy) into NewActivity\_16.  
IF SC\_AGE\_YEARS > 5 NewActivity\_16 = 90.  
IF SC\_AGE\_YEARS < 3 NewActivity\_16 = 95.  
VARIABLE LABELS NewActivity\_16 "Child becomes angry or anxious when going from one activity to another, age 3-5 years".  
VALUE LABELS NewActivity\_16  
1 "All of the time"  
2 "Most of the time"  
3 "Some of the time"  
4 "None of the time"  
99 "Missing"  
90"Children age 6-17 years"  
95 "Children age 0-2 years".  
MISSING VALUES NewActivity\_16(90,95,99).

RECODE HURTSAD

(SYSMIS=99) (else=copy) into HurtSad\_16.

IF SC\_AGE\_YEARS > 5 HurtSad\_16 = 90.

IF SC\_AGE\_YEARS < 3 HurtSad\_16 = 95.

VARIABLE LABELS HurtSad\_16 "Child shows concern when others are hurt or unhappy, age 3-5 years".

VALUE LABELS HurtSad\_16

1 "All of the time"

2 "Most of the time"

3 "Some of the time"

4 "None of the time"

99 "Missing"

95 "Children age 0-2 years"

90 "Children age 6-17 years".

MISSING VALUES HurtSad\_16(90,95,99).

RECODE CALMDOWN

(SYSMIS=99) (else=copy) into CalmDown\_16.

IF SC\_AGE\_YEARS > 5 CalmDown\_16 = 90.

IF SC\_AGE\_YEARS < 3 CalmDown\_16 = 95.

VARIABLE LABELS CalmDown\_16 "Child can calm down when excited or all wound up, age 3-5 years".

VALUE LABELS CalmDown\_16

1 "All of the time"

2 "Most of the time"

3 "Some of the time"

4 "None of the time"

99 "Missing"

95 "Children age 0-2 years"

90 "Children age 6-17 years".

MISSING VALUES CalmDown\_16(90,95,99).

RECODE TEMPER

(SYSMIS=99) (else=copy) into temper\_16.

IF SC\_AGE\_YEARS > 5 temper\_16 = 90.

IF SC\_AGE\_YEARS < 3 temper\_16 = 95.

VARIABLE LABELS temper\_16 "Child loses control of his or her temper when things do not go his or her way, age 3-5 years".

VALUE LABELS temper\_16

1 "All of the time"

2 "Most of the time"

3 "Some of the time"

4 "None of the time"

95 "Children age 0-2 years"

90 "Children age 6-17 years".

MISSING VALUES temper\_16(90,95,99).

RECODE MAKEFRIEND

(SYSMIS=99) (else=copy) into MakeFr3to5\_16.

IF SC\_AGE\_YEARS > 5 MakeFr3to5\_16 = 90.

IF SC\_AGE\_YEARS < 3 MakeFr3to5\_16 = 95.

VARIABLE LABELS MakeFr3to5\_16 "Child has difficulty making and keeping friends, age 3-5 years".

VALUE LABELS MakeFr3to5\_16

1 "No difficulty"

2 "A little difficulty"  
3 "A lot of difficulty"  
99 "Missing"  
90 "Children age 6-17 years"  
95 "Children age 0-2 years".  
MISSING VALUES MakeFr3to5\_16(90,95,99).

RECODE SITSTILL

(SYSMIS=99) (else=copy) into SitStill1\_16.  
IF SC\_AGE\_YEARS > 5 SitStill1\_16 = 90.  
IF SC\_AGE\_YEARS < 3 SitStill1\_16 = 95.  
VARIABLE LABELS SitStill1\_16 "Child often able to sit still, age 3-5 years".  
VALUE LABELS SitStill1\_16  
1 "All of the time"  
2 "Most of the time"  
3 "Some of the time"  
4 "None of the time"  
99 "Missing"  
95 "Children age 0-2 years"  
90 "Children age 6-17 years".  
MISSING VALUES SitStill1\_16(90,95,99).

RECODE EXPULSION

(SYSMIS=99) (else=copy) into expulsion\_16.  
IF SC\_AGE\_YEARS > 5 expulsion\_16 = 90.  
IF SC\_AGE\_YEARS < 3 expulsion\_16 = 95.  
VARIABLE LABELS expulsion\_16 "Asked to stay home from child care or preschool because of their behavior, age 3-5 years".  
VALUE LABELS expulsion\_16  
1 "This child did not attend child care or preschool"  
2 "No"  
3 "Yes, I was told to pick up my child early on 1 or more days"  
4 "Yes, I had to keep my child home for 1 full day or more"  
5 "Yes permanently, I was told my child could no longer attend this child care center or preschool"  
99 "Missing"  
95 "Children age 0-2 years or child does not attend child care or preschool"  
90 "Children age 6-17 years".  
MISSING VALUES expulsion\_16(90,95,99).

Indicator 6.1	Physical health status of mother
Description	If this child's mother lives in the household, in general, what is the mother's physical health status?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J11,J12,J18; for children 6-11 years: J1,J2,J8,J11,J12,J18; for children 12-17 years: J1,J2,J8,J11,J12,J18 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH
Denominator	Children age 0-17 years who live with their biological, step, adoptive, or foster mother
Numerator	Children whose mother's physical health status is excellent or very good; Children whose mother's physical health status is good; Children whose mother's physical health status is fair or poor
<b>Notes for Data-Users</b>	
This measure summarizes the general health status (A#_PHYSHEALTH) of the child's biological, adoptive, step or foster mother (A#_RELATIONSHIP=1,2,4 and A#_SEX=2). The survey respondent rated the child's adult primary caregivers' physical health (A#_PHYSHEALTH). (If the child only has one caregiver, only one was rated.) If none of the caregivers are the child's mother (biological, adoptive, step, or foster (A#_RELATIONSHIP) and A#_SEX=2), those children were not included in the denominator.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). Maternal or paternal health status questions were only asked if the mother or father was present in the household. The 2016 NSCH relationship to the child question responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 (if mother) being chosen if both reported adults were mothers.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre>COMPUTE mother1_16=95. IF ((A1_RELATION = 1 or A1_RELATION = 2 or A1_RELATION = 4) and A1_SEX = 2) mother1_16=1. IF (SYSMIS(A1_RELATION)) or (SYSMIS(A1_SEX)) mother1_16=99. VARIABLE LABELS mother1_16 "Adult 1 is biological/adoptive, foster or step mother".  COMPUTE mother2_16=95. IF ((A2_RELATION = 1 or A2_RELATION = 2 or A2_RELATION = 4) and A2_SEX = 2) mother2_16=1. IF SYSMIS(A2_RELATION) or SYSMIS(A2_SEX) mother2_16=99. IF A2_RELATION =8 mother2_16=95. VARIABLE LABELS mother2_16 "Adult 2 is biological/adoptive, foster or step mother".  COMPUTE MothPhyH_16 = 95. DO IF mother1_16=1.</pre>	

```
IF A1_PHYSHEALTH = 1 or A1_PHYSHEALTH = 2 MothPhyH_16 = 1.  
IF A1_PHYSHEALTH = 3 MothPhyH_16 = 2.  
IF A1_PHYSHEALTH = 4 or A1_PHYSHEALTH = 5 MothPhyH_16 = 3.  
IF (SYSMIS(A1_PHYSHEALTH)) MothPhyH_16 = 99.  
END IF.  
DO IF ((mother1_16 =95 or mother1_16=99) and mother2_16=1).  
    IF A2_PHYSHEALTH = 1 or A2_PHYSHEALTH = 2 MothPhyH_16 = 1.  
    IF A2_PHYSHEALTH = 3 MothPhyH_16 = 2.  
    IF A2_PHYSHEALTH = 4 or A2_PHYSHEALTH = 5 MothPhyH_16 = 3.  
    IF (SYSMIS(A2_PHYSHEALTH)) MothPhyH_16 = 99.  
END IF.  
VARIABLE LABELS MothPhyH_16 "Indicator 6.1: Physical health status of mother, children living with  
biological, adopted, step, or foster mother".  
VALUE LABELS MothPhyH_16  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No mother in the household or missing to A_RELATION or A_SEX".  
FORMATS MothPhyH_16 (f4.0).  
MISSING VALUES MothPhyH_16 (95,99).  
EXECUTE.
```

Indicator 6.1a	Physical health status of father
Description	If this child's father lives in the household, in general, what is the father's physical health status?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J11,J12,J18; for children 6-11 years: J1,J2,J8,J11,J12,J18; for children 12-17 years: J1,J2,J8,J11,J12,J18 Variable in public use data file A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH
Denominator	Children age 0-17 years who live with their biological, step, foster, or adoptive fathers
Numerator	Children whose father's physical health status is excellent or very good; Children whose father's physical health status is good; Children whose father's physical health status is fair or poor
<b>Notes for Data-Users</b>	
This measure summarizes the general health status (A#_PHYSHEALTH) of the child's biological, adoptive, step or foster father (A#_RELATIONSHIP=1,2,4; A#_SEX=1). The survey respondent rated the child's adult primary caregivers' physical health (A#_PHYSHEALTH). (If the child only has one caregiver, only one was rated.) If none of the caregivers are the child's father (biological, adoptive, step, or foster (A#_RELATIONSHIP) and A#_SEX=1), those children were not included in the denominator.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). Maternal or paternal health status questions were only asked if the mother or father was present in the household. The 2016 NSCH responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 (if father) being chosen if both reported adults were fathers.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE father1_16=95. IF ((A1_RELATION = 1 or A1_RELATION = 2 or A1_RELATION = 4) and A1_SEX = 1) father1_16=1. IF (SYSMIS(A1_RELATION)) or (SYSMIS(A1_SEX)) father1_16=99. VARIABLE LABELS father1_16 "Adult 1 is biological/adoptive, foster or step father".  COMPUTE father2_16=95. IF ((A2_RELATION = 1 or A2_RELATION = 2 or A2_RELATION = 4) and A2_SEX = 1) father2_16=1. IF SYSMIS(A2_RELATION) or SYSMIS(A2_SEX) father2_16=99. IF A2_RELATION =8 father2_16=95. VARIABLE LABELS father2_16 "Adult 2 is biological/adoptive, foster or step father".  COMPUTE FathPhyH_16 = 95. DO IF father1_16=1. </pre>	

```
IF A1_PHYSHEALTH = 1 or A1_PHYSHEALTH = 2 FathPhyH_16 = 1.  
IF A1_PHYSHEALTH = 3 FathPhyH_16 = 2.  
IF A1_PHYSHEALTH = 4 or A1_PHYSHEALTH = 5 FathPhyH_16 = 3.  
IF (SYSMIS(A1_PHYSHEALTH)) FathPhyH_16 = 99.  
END IF.  
DO IF ((father1_16 =95 or father1_16=99) and father2_16=1).  
    IF A2_PHYSHEALTH = 1 or A2_PHYSHEALTH = 2 FathPhyH_16 = 1.  
    IF A2_PHYSHEALTH = 3 FathPhyH_16 = 2.  
    IF A2_PHYSHEALTH = 4 or A2_PHYSHEALTH = 5 FathPhyH_16 = 3.  
    IF (SYSMIS(A2_PHYSHEALTH)) FathPhyH_16 = 99.  
END IF.  
VARIABLE LABELS FathPhyH_16 "Indicator 6.1: Physical health status of father, children living with  
biological, adopted, step, or foster father".  
VALUE LABELS FathPhyH_16  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No father in the household or missing to A_RELATION or A_SEX".  
FORMATS FathPhyH_16 (f4.0).  
MISSING VALUES FathPhyH_16 (95,99).  
EXECUTE.
```

Indicator 6.2	Mental health status of mother
Description	If this child's mother lives in the household, in general, what is the status of mother's mental and emotional health?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J9,J11,J12,J19; for children 6-11 years: J1,J2,J9,J11,J12,J19; for children 12-17 years: J1,J2,J9,J11,J12,J19; Variable in public use data file A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_MENTHEALTH; A2_MENTHEALTH
Denominator	Children age 0-17 years who live with their biological, step, adoptive, or foster mother
Numerator	Children whose mother's mental/emotional health status is excellent or very good; Children whose mother's mental/emotional health status is good; Children whose mother's mental/emotional health status is fair or poor
<b>Notes for Data-Users</b>	
This measure summarizes the mental or emotional health status (A#_MENTHEALTH) of the child's biological, adoptive, step or foster mother (A#_RELATIONSHIP=1,2,4 and A#_SEX=2). The survey respondent rated the child's adult primary caregivers' mental or emotional health (A#_MENTHEALTH). (If the child only has one caregiver, only one was rated.) If none of the caregivers are the child's mother (biological, adoptive, step, or foster - (A#_RELATIONSHIP) and A#_SEX=2), those children were not included in the denominator.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). Maternal or paternal health status questions were only asked if the mother or father was present in the household. The 2016 NSCH responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 (if mother) being chosen if both reported adults were mothers.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MotherMH_16 = 95. DO IF mother1_16=1.   IF A1_MENTHEALTH = 1 or A1_MENTHEALTH = 2 MotherMH_16 = 1.   IF A1_MENTHEALTH = 3 MotherMH_16 = 2.   IF A1_MENTHEALTH = 4 or A1_MENTHEALTH = 5 MotherMH_16 = 3.   IF (SYSMIS(A1_MENTHEALTH)) MotherMH_16 = 99. END IF. DO IF ((mother1_16 =95 or mother1_16=99) and mother2_16=1).   IF A2_MENTHEALTH = 1 or A2_MENTHEALTH = 2 MotherMH_16 = 1.   IF A2_MENTHEALTH = 3 MotherMH_16 = 2.   IF A2_MENTHEALTH = 4 or A2_MENTHEALTH = 5 MotherMH_16 = 3.   IF (SYSMIS(A2_MENTHEALTH)) MotherMH_16 = 99. END IF. </pre>	

**Child and Family Health Measures – Family Health and Activities**

```
VARIABLE LABELS MotherMH_16 "Indicator 6.1a: Mental health status of mother, children living with  
biological, adopted, step, or foster mother".  
VALUE LABELS MotherMH_16  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No mother in the household or missing to A_RELATION or A_SEX".  
FORMATS MotherMH_16 (f4.0).  
MISSING VALUES MotherMH_16 (95,99).  
EXECUTE.
```

Indicator 6.2a	Mental health status of father
Description	If this child's father lives in the household, in general, what is the status of father's mental and emotional health?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J9,J11,J12,J19; for children 6-11 years: J1,J2,J9,J11,J12,J19; for children 12-17 years: J1,J2,J9,J11,J12,J19 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_MENTHEALTH; A2_MENTHEALTH
Denominator	Children ages 0-17 years who live with their biological, step, foster or adoptive fathers
Numerator	Children whose father's mental/emotional health status is excellent or very good; Children whose father's mental/emotional health status is good; Children whose father's mental/emotional health status is fair or poor
<b>Notes for Data-Users</b>	
This measure summarizes the mental or emotional health status (A#_MENTHEALTH) of the child's biological, adoptive, step or foster father (A#_RELATIONSHIP=1,2,4; A#_SEX=1). The survey respondent rated the child's adult primary caregivers' mental or emotional health (A#_MENTHEALTH). (If the child only has one caregiver, only one was rated.) If none of the caregivers are the child's father (biological, adoptive, step, or foster - (A#_RELATIONSHIP) and A#_SEX=1), those children were not included in the denominator. Adult 1 (if father) being chosen if both reported adults were fathers.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). Maternal or paternal health status questions were only asked if the mother or father was present in the household. The 2016 NSCH responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 (if father) being chosen if both reported adults were fathers.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE FatherMH_16 = 95. DO IF father1_16=1.   IF A1_MENTHEALTH = 1 or A1_MENTHEALTH = 2 FatherMH_16 = 1.   IF A1_MENTHEALTH = 3 FatherMH_16 = 2.   IF A1_MENTHEALTH = 4 or A1_MENTHEALTH = 5 FatherMH_16 = 3.   IF (SYSMIS(A1_MENTHEALTH)) FatherMH_16 = 99. END IF. DO IF ((father1_16 =95 or father1_16=99) and father2_16=1).   IF A2_MENTHEALTH = 1 or A2_MENTHEALTH = 2 FatherMH_16 = 1.   IF A2_MENTHEALTH = 3 FatherMH_16 = 2.   IF A2_MENTHEALTH = 4 or A2_MENTHEALTH = 5 FatherMH_16 = 3.   IF (SYSMIS(A2_MENTHEALTH)) FatherMH_16 = 99. </pre>	

END IF.

VARIABLE LABELS FatherMH\_16 "Indicator 6.1a: Mental health status of father, children living with biological, adopted, step, or foster father".

VALUE LABELS FatherMH\_16

1 "Excellent or very good"

2 "Good"

3 "Fair or poor"

99 "Missing"

95 "No father in the household or missing to A\_RELATION or A\_SEX".

FORMATS FatherMH\_16 (f4.0).

MISSING VALUES FatherMH\_16 (95,99).

EXECUTE.

Indicator 6.3	Overall health status of mother
Description	If this child's mother lives in the household, are his/her mother's physical and mental health both excellent or very good?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 6-11 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 12-17 years: J1,J2,J8,J9,J11,J12,J18,J19 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH; A1_MENTHEALTH; A2_MENTHEALTH
Denominator	Children age 0-17 years who live with their biological, step, adoptive, or foster mother
Numerator	Children with mothers whose overall physical and mental health are BOTH excellent or very good; Children with mothers whose overall physical and mental health status are both NOT excellent or very good
<b>Notes for Data-Users</b>	
This measure is a composite of the mother's physical and mental/emotional health status. To qualify on this measure, the child's mother's physical health and mental health must be "Excellent" or "Very Good". Please keep in mind that approximately 12% of children in the survey were not currently living with a mother in the household or missing to A_RELATION or A_SEX questions, and are not included in the denominator.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). Maternal or paternal health status questions were asked if the mother or father was present in the household. The 2016 NSCH responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 (if father) being chosen if both reported adults were mothers.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MotherHSt_16 = 999. IF MothPhyH_16 = 1 and MotherMH_16 = 1 MotherHSt_16 = 1. IF MothPhyH_16 = 1 and (MotherMH_16 = 2 or MotherMH_16 = 3) MotherHSt_16 = 2. IF (MothPhyH_16 = 2 or MothPhyH_16 = 3) and MotherMH_16 = 1 MotherHSt_16 = 2. IF (MothPhyH_16 = 2 or MothPhyH_16 = 3) and (MotherMH_16 = 2 or MotherMH_16 = 3) MotherHSt_16 = 2. IF MothPhyH_16 = 99 or MotherMH_16 = 99 MotherHSt_16 = 99. IF MothPhyH_16 = 95 or MotherMH_16 = 95 MotherHSt_16 = 95. VARIABLE LABELS MotherHSt_16 "Indicator 6.3: Mother's overall physical and mental-emotional health status, children living with biological, adopted, step, or foster mother". VALUE LABELS MotherHSt_16 1 "Physical &amp; mental health BOTH excellent or very good" 2 "One or both of physical &amp; mental health are NOT excellent/very good" </pre>	

99 "Missing"

95 "No biological, adoptive, step or foster mother in household or missing to A\_RELATION or A\_SEX".

MISSING VALUES MotherHSt\_16(95,99).

FORMATS MotherHSt\_16(f2.0).

EXECUTE.

Indicator 6.3a	Overall health status of father
Description	If this child's father lives in the household, are his/her father's physical and mental health both excellent or very good?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 6-11 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 12-17 years: J1,J2,J8,J9,J11,J12,J18,J19 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH; A1_MENTHEALTH; A2_MENTHEALTH
Denominator	Children ages 0-17 years who live with their biological, step, foster or adoptive fathers
Numerator	Children with fathers whose overall physical and mental health status BOTH excellent or very good; Children with fathers whose overall physical and mental health status one or both NOT excellent or very good
<b>Notes for Data-Users</b>	
This measure is a composite of the father's physical and mental/emotional health status. To qualify, responses for the child's father on both measure must be either "Excellent" or "Very Good". Please keep in mind that approximately 25% of children in the survey were not currently living with a father in the household or missing to A_RELATION or A_SEX questions, and are not included in the denominator.	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). Maternal or paternal health status questions were only asked if the mother or father was present in the household. The 2016 NSCH responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 (if father) being chosen if both reported adults were fathers.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE FatherHSt_16 = 999. IF FathPhyH_16 = 1 and FatherMH_16 = 1 FatherHSt_16 = 1. IF FathPhyH_16 = 1 and (FatherMH_16 = 2 or FatherMH_16 = 3) FatherHSt_16 = 2. IF (FathPhyH_16 = 2 or FathPhyH_16 = 3) and FatherMH_16 = 1 FatherHSt_16 = 2. IF (FathPhyH_16 = 2 or FathPhyH_16 = 3) and (FatherMH_16 = 2 or FatherMH_16 = 3) FatherHSt_16 = 2. IF FathPhyH_16 = 99 or FatherMH_16 = 99 FatherHSt_16 = 99. IF FathPhyH_16 = 95 or FatherMH_16 = 95 FatherHSt_16 = 95. VARIABLE LABELS FatherHSt_16 "Indicator 6.3: Father's overall physical and mental-emotional health status, children living with biological, adopted, step, or foster father". VALUE LABELS FatherHSt_16 1 "Physical &amp; mental health BOTH excellent or very good" </pre>	

**Child and Family Health Measures – Family Health and Activities**

2 "One or both of physical & mental health are NOT excellent/very good"

99 "Missing"

95 "No biological, adoptive, step or foster father in household or missing to A\_RELATION or A\_SEX".

MISSING VALUES FatherHSt\_16(95,99).

FORMATS FatherHSt\_16(f2.0).

EXECUTE.

Indicator 6.4	Someone living in the household smokes
Description	Does anyone living in this child's household use cigarettes, cigars, or pipe tobacco?
Survey Items Used	Survey instrument item number for children 0-5 years: I2; for children 6-11 years: I2; for children 12-17 years: I2 Variable in public use data file: K9Q40
Denominator	Children age 0-17 years
Numerator	Children who live in households where someone uses cigarettes, cigars, or pipe tobacco; Children who live in households where someone doesn't use cigarettes, cigars, or pipe tobacco
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
RECODE K9Q40 (1=1) (2=2) (SYSMIS=99) into smoking_16. VARIABLE LABELS smoking_16 "Indicator 6.4: Children who live in households where someone uses cigarettes, cigars, or pipe tobacco". VALUE LABELS smoking_16 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES smoking_16(99). FORMATS smoking_16(f4.0). EXECUTE.	

<b>Indicator 6.4a</b>	<b>Someone smokes inside the home</b>
<b>Description</b>	Does anyone smoke inside this child's home?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: I2,I3; for children 6-11 years: I2,I3; for children 12-17 years: I2,I3 Variable in public use data file: K9Q40; K9Q41
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children who live in a household where no one in the household uses tobacco; Children who live in a household where someone uses tobacco but does not smoke inside the house; Children who live in a household where someone uses tobacco and smokes inside the house

#### Notes for Data-Users

The question "Does anyone smoke inside your home" was only asked of respondents who said "Yes" to K9Q40, "Does anyone living in your household use cigarettes, cigars, or pipe tobacco?". This measure shows the overall prevalence of both outcomes.

#### Revisions in 2016

The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

COMPUTE SmkInside_16 = 999.
IF (SYSMIS(K9Q40)) or (SYSMIS(K9Q41)) SmkInside_16 = 99.
IF K9Q40 = 2 SmkInside_16 = 1.
IF K9Q40 = 1 and K9Q41 = 2 SmkInside_16 = 2.
IF K9Q40 = 1 and K9Q41 = 1 SmkInside_16 = 3.
VARIABLE LABELS SmkInside_16 "Indicator 6.4a: Someone smokes inside the home".
VALUE LABELS SmkInside_16
1 "No one smokes in the household"
2 "Someone smokes, not inside the house"
3 "Someone smokes inside the house"
99 "Missing".
MISSING VALUES SmkInside_16(99).
FORMATS SmkInside_16(f4.0).
EXECUTE.

```

Indicator 6.5	Children living in "working poor" families
Description	How many children live in "working poor" households: that is, parents are employed full-time with incomes less than 100% of the federal poverty level?
Survey Items Used	Survey instrument item number for children 0-5 years: J10,K3,K4; for children 6-11 years: J10,K3,K4; for children 12-17 years: J10,K3,K4 Variables in public use data file: A1_K11Q50_R; A2_K11Q50_R; TOTINCOME
Denominator	Children age 0-17 years
Numerator	Children who do not live in a household defined as "working poor"; Children who live in a household that is classified as "working poor"
<b>Notes for Data-Users</b>	
<p>This measure is derived from two questions:</p> <ol style="list-style-type: none"> <li>1) A#_K11Q50_R defines whether any of the child's primary caregivers in the household were employed during at least 50 of the past 52 weeks.</li> <li>2) The income variable, povlev4_16, is calculated based on the relative poverty ranking according to household size and income. Households with income less than 100% of Federal Poverty Level are defined as "poor."</li> </ol> <p>Children are defined as living in "working poor" households if someone was employed for 50 of the last 52 weeks (A#_K11Q50_R) and their total household income was less than 100% of the federal poverty level (povlev4_16). The 2016 NSCH public use data file provided by the Census Bureau includes a derived income variable, FPL. Since the family income data had missing values for 18.6% of the sample, imputed data is provided for those missing cases. The DRC uses single imputation data to substitute for the missing cases provided in the publicly released data file.</p>	
<b>Revisions in 2016</b>	
<p>There were changes to the wording of the question. In the 2011/12 NSCH, the question was asked "Was anyone in the household employed at least 50 weeks out of past 52 weeks". In the 2016 NSCH, the question was asked of the two adults who were considered the child's primary caregivers. For more information about the changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE work50hrs_16 = 2. IF A1_K11Q50_R = 1 or A2_K11Q50_R = 1 work50hrs_16 = 1. IF (SYSMIS(A1_K11Q50_R)) and (SYSMIS(A2_K11Q50_R)) work50hrs_16 = 99. VARIABLE LABELS work50hrs_16 "Children who live in households where one of the adult primary caregiver employed at least 50 out of the past 52 weeks". VALUE LABELS work50hrs_16 1 "Yes" 2 "No" 99 "Missing". </pre>	

**Child and Family Health Measures – Family Health and Activities**

```
COMPUTE WrkngPoor_16 = 999.  
IF ( povlev4_16 >1 and povlev4_16 <=4) and (work50hrs_16 = 1 or work50hrs_16 = 2) WrkngPoor_16 =  
2.  
IF povlev4_16 = 1 and work50hrs_16 = 2 WrkngPoor_16 = 2.  
IF povlev4_16 = 1 and work50hrs_16 = 1 WrkngPoor_16 = 1.  
IF work50hrs_16 = 99 WrkngPoor_16 = 99.  
VARIABLE LABELS WrkngPoor_16 "Indicator 6.5: Children live in working poor households--parents  
employed full-time with income less than 100% FPL".  
VALUE LABELS WrkngPoor_16  
1 "Live in 'working poor' household"  
2 "Do not live in 'working poor' household"  
99 "Missing".  
MISSING VALUES WrkngPoor_16(99).  
FORMATS WrkngPoor_16(f4.0).  
EXECUTE.
```

Indicator 6.6	Family shares ideas, 6-17 years
Description	How well can you and this child share ideas or talk about things that really matter?
Survey Items Used	Survey instrument item number for children 6-11 years: H8; for children 12-17 years: H8 Variable in public use data file: K8Q21
Denominator	Children age 6-17 years
Numerator	Children who share ideas very well with their parents; Children who share ideas somewhat well with their parents; Children who share ideas not very well/not very well at all with their parents
<b>Notes for Data-Users</b>	
IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 6-17, not the population of parents. The accurate way to report these results are: "Percent of children ages 6-17 who can share or talk very well with their parents", not as "Percent of parents...".	
<b>Revisions in 2016</b>	
The content of this measure is similar to 2011/12 NSCH. However due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K8Q21 (1=1) (2=2) (3 thru 4=3) (SYSMIS=99) into Shareldeas_16. IF SC_AGE_YEARS &lt; 6 Shareldeas_16 = 90. VARIABLE LABELS Shareldeas_16 "Indicator 6.6: Parents and children sharing ideas or talk about things that really matter, age 6-17 years". VALUE LABELS Shareldeas_16 1 "Very well" 2 "Somewhat well" 3 "Not very well or Not very well at all" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES Shareldeas_16(90,99). FORMATS Shareldeas_16(f2.0). EXECUTE. </pre>	

Indicator 6.7	Family reads to children, 0-5 years
Description	During the past week, how many days did you or other family members read to this child?
Survey Items Used	Survey instrument item number for children 0-5 years: H9 Variable in public use data file: K6Q60_R
Denominator	Children age 0-5 years
Numerator	Children whose family members read to children 0-3 days out of the week; Children whose family members read to children 4-6 days out of the week; Children whose family members read to children every day
<b>Notes for Data-Users</b>	
IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 0-5, not the population of parents. The accurate way to report these results are: "Percent of children ages 0-5 whose family members read to them every day", not as "Percent of parents...".	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. Response options were reported categorically in the 2016 NSCH. The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q60_R (1 thru 2=1) (3=2) (4=3) (SYSMIS=99) into readto_16. IF SC_AGE_YEARS &gt; 5 readto_16 = 90. VARIABLE LABELS readto_16 "Indicator 6.7: Number of days children were read aloud to during the past week, age 0-5 years". VALUE LABELS readto_16 1 "0-3 days" 2 "4-6 days" 3 "Every day" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES readto_16(90,99). FORMATS readto_16(f2.0). EXECUTE. </pre>	

Indicator 6.8	Family sings and tells stories to children, 0-5 years
Description	During the past week, how many days did you or other family members tell stories or sing songs to this child?
Survey Items Used	Survey instrument item number for children 0-5 years: H10 Variable in public use data file: K6Q61_R
Denominator	Children age 0-5 years
Numerator	Children whose family members sing or tell stories to children 0-3 days out of the week; Children whose family members sing or tell stories to children 4-6 days out of the week, Children whose family members sing or tell stories to children every day
<b>Notes for Data-Users</b>	
IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 0-5, not the population of parents or families. The accurate way to report these results are: "Percent of children ages 0-5 years whose family members sing or tell stories to children every day", not as "Percent of families...".	
<b>Rewrites in 2016</b>	
In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. Response options were reported categorically in the 2016 NSCH. The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q61_R (1 thru 2=1) (3=2) (4=3) (SYSMIS=99) into SingStory_16. IF SC_AGE_YEARS &gt; 5 SingStory_16 = 90. VARIABLE LABELS SingStory_16 "Indicator 6.8: Number of days children were sung to or told stories to during past week, age 0-5 years". VALUE LABELS SingStory_16 1 "0-3 days" 2 "4-6 days" 3 "Every day" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES SingStory_16(90,99). FORMATS SingStory_16(f2.0). EXECUTE. </pre>	

Indicator 6.9	Family eats meal together
Description	During the past week, on how many days did all the family members who live in the household eat a meal together?
Survey Items Used	Survey instrument item number for children 0-5 years: I1; for children 6-11 years: I1; for children 12-17 years: I1 Variable in public use data file: K8Q11
Denominator	Children age 0-17 years
Numerator	Children whose family doesn't eat meals together; Children whose family eats meals together 1-3 days out of the week; Children whose family eats meals together 4-6 days out of the week; Children whose family eats meals together every day
<b>Notes for Data-Users</b>	
IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 0-17, not the population of parents or families. The accurate way to report these results are: "Percent of children whose family eats meals together every day", not as "Percent of families...".	
<b>Revisions in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. Response option reported in categorical options in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<p>RECODE K8Q11  (1=0) (2=1) (3=2) (4=3) (SYSMIS=99) (else=copy) into MealTogether_16.  VARIABLE LABELS MealTogether_16 "Indicator 6.9: Number of days all the family members who live in the household eat a meal together during the past week".  VALUE LABELS MealTogether_16  0 "No days"  1 "1-3 days"  2 "4-6 days"  3 "Every day"  99 "Missing".  MISSING VALUES MealTogether_16(99).  FORMATS MealTogether_16(f4.0).  EXECUTE.</p>	

Indicator 6.10	Time spent watching TV or playing video games
Description	On an average weekday, about how much time does this child usually spend in front of a TV watching TV programs, videos, or playing video games?
Survey Items Used	Survey instrument item number for children 0-5 years: H7; for children 6-11 years: H6; for children 12-17 years: H6 Variable in public use data file: K7Q60_R
Denominator	Children age 0-17 years
Numerator	Children who do not watch TV; Children who watch TV 1 hour or less per day; Children who watch TV more than 1 hour but less than 4 hours per day; Children who watch TV 4 hours or more per day
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
<p>Children who did not have a TV, video player, or video games in the home were not included in the denominator for the 2011/12. Response options were reported in hours or minutes in the 2011/12 NSCH. For the 2016 NSCH, the response options were reported in hours up to 4 hours.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q60_R (1=0) (2=1) (3 thru 5=2) (6=3) (SYSMIS=99) into TVwatch_16. VARIABLE LABELS TVwatch_16 "Indicator 6.10: Time spent on average weekday watching TV, videos, or playing video games". VALUE LABELS TVwatch_16 0 "Do not watch TV" 1 "Watch TV less than 1 hour per day" 2 "Watch TV 1-3 hours per day" 3 "Watch TV 4 hours or more per day" 99 "Missing". MISSING VALUES TVwatch_16(99). FORMATS TVwatch_16(f2.0). EXECUTE. </pre>	

Indicator 6.11	Time spent with a computer, cell phone, electronic device
Description	On an average weekday, about how much time does this child usually spend with computers, cell phones, handheld video games, and other electronic devices, doing things other than schoolwork?
Survey Items Used	Survey instrument item number for children 0-5 years: H8; for children 6-11 years: H7; for children 12-17 years: H7 Variable in public use data file: K7Q91_R
Denominator	Children age 0-17 years
Numerator	Children who do not use electronic devices; Children who use electronic devices 1 hour or less per day; Children who use electronic devices more than 1 hour but less than 4 hours per day; Children who use electronic devices 4 hours or more per day
Notes for Data-Users	N/A
Revisions in 2016	Children who did not have computers, cell phones, handheld video games, and other electronic devices in the home were not included in the denominator for the 2011/12 NSCH. Response options were reported in continuous numbers in the 2011/12 NSCH. In the 2016 NSCH, the response options were reported in hours up to 4 hours. Additionally, there were changes to the wording of the question. For more information about the changes <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.
SPSS Syntax and Annotation	<pre> RECODE K7Q91_R (1=0) (2=1) (3 thru 5=2) (6=3) (SYSMIS=99) into CompElDev_16. VARIABLE LABELS CompElDev_16 "Indicator 6.11: Time spent with a computers, cell phones, handheld video games and other electronic devices doing things other than schoolwork on an average weekday". VALUE LABELS CompElDev_16 0 "Do not use electronic devices" 1 "Use electronic devices less than 1 hour per day" 2 "Use electronic devices 1-3 hours per day" 3 "Use electronic devices 4 hours or more per day" 99 "Missing". MISSING VALUES CompElDev_16(99). FORMATS CompElDev_16(f2.0). EXECUTE. </pre>

Indicator 6.12	Family resilience
Description	Does this child live in a home where the family demonstrates qualities of resilience during difficult times?
Survey Items Used	Survey instrument item number for children 0-5 years: I4; for children 6-11 years: I4; for children 12-17 years: I4 Variable in public use data file: TALKABOUT; WKTOSOLVE; STRENGTHS; HOPEFUL
Denominator	Children age 0-17 years
Numerator	Children who live in the family met 0-1 family resilience items; Children who live in the family met 2-3 family resilience items; Children who live in the family met all 4 family resilience items
<b>Notes for Data-Users</b>	
This is a new composite measure based on responses to the following 4 survey items: "When your family faces problems, how often are you likely to do each of the following?" (a) Talk together about what to do (TALKABOUT), (b) Work together to solve our problems (WKTOSOLVE), (c) Know we have strengths to draw on (STRENGTHS), and (d) Stay hopeful even in difficult times (HOPEFUL). Response options to the four items are none of the time, some of the time, most of the time, or all of the time. In order to meet each individual indicator required response of either most of the time or all of the time.	
<b>Revisions in 2016</b>	
This measure is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE TALKABOUT (1=1) (2=2) (3 thru 4 = 3) (SYSMIS=99) into TalkAbout_16. VARIABLE LABELS TalkAbout_16 "Talk together about what to do when the family faces problems". VALUE LABELS TalkAbout_16 1 "All of the time" 2 "Most of the time" 3 "Some/None of the time" 99 "Missing". MISSING VALUES TalkAbout_16(99). FORMATS TalkAbout_16(f4.0). EXECUTE.  RECODE WKTOSOLVE (1=1) (2=2) (3 thru 4 = 3) (SYSMIS=99) into WrkToSolve_16. VARIABLE LABELS WrkToSolve_16 "Work together to solve the problem when your family faces problems". VALUE LABELS WrkToSolve_16 1 "All of the time" 2 "Most of the time" 3 "Some/None of the time" 99 "Missing". MISSING VALUES WrkToSolve_16(99). </pre>	

FORMATS WrkToSolve\_16(f4.0).

EXECUTE.

RECODE STRENGTHS

(1=1) (2=2) (3 thru 4 = 3) (SYSMIS=99) into strengths\_16.

VARIABLE LABELS strengths\_16 "Know we have strengths to draw on when the family faces problems".

VALUE LABELS strengths\_16

1 "All of the time"

2 "Most of the time"

3 "Some/None of the time"

99 "Missing".

MISSING VALUES strengths\_16(99).

FORMATS strengths\_16(f4.0).

EXECUTE.

RECODE HOPEFUL

(1=1) (2=2) (3 thru 4 = 3) (SYSMIS=99) into hopeful\_16.

VARIABLE LABELS hopeful\_16 "Stay hopeful even in difficult times when the family faces problems".

VALUE LABELS hopeful\_16

1 "All of the time"

2 "Most of the time"

3 "Some/None of the time"

99 "Missing".

MISSING VALUES hopeful\_16(99).

FORMATS hopeful\_16(f4.0).

EXECUTE.

MISSING VALUES TalkAbout\_16 WrkToSolve\_16 strengths\_16 hopeful\_16().

COUNT CtFamRes\_16 = TalkAbout\_16 WrkToSolve\_16 strengths\_16 hopeful\_16(1,2).

IF TalkAbout\_16 = 99 and WrkToSolve\_16 = 99 and strengths\_16 =99 and hopeful\_16 = 99 CtFamRes\_16 = 99.

VARIABLE LABELS CtFamRes\_16 "Count of all of time and most of time responses".

COMPUTE FamResilience\_16 = 999.

IF CtFamRes\_16 <= 1 FamResilience\_16 = 1.

IF CtFamRes\_16 = 2 or CTFamRes\_16 = 3 FamResilience\_16 = 2.

IF CtFamRes\_16 = 4 FamResilience\_16 = 3.

IF CtFamRes\_16 = 99 FamResilience\_16 = 99.

VARIABLE LABELS FamResilience\_16 "Indicator 6.12: Family flourishing composite measure".

VALUE LABELS FamResilience\_16

1 "All or most of the time to 0-1 items"

2 "All or most of the time to 2-3 items"

3 "All or most of the time to all 4 items"

99 "Missing to all 4 items".

MISSING VALUES FamResilience\_16(99).

FORMATS FamResilience\_16(f4.0).

EXECUTE.

Indicator 6.13	Adverse childhood experiences
Description	Has this child experienced one or more adverse childhood experiences from the list of 9 ACEs?
Survey Items Used	Survey instrument item number for children 0-5 years: I10a-h; I5; for children 6-11 years: I11a-h; I5; for children 12-17 years: I11a-h; I5 Variable name in public use data file: ACE1; ACE3; ACE4; ACE5; ACE6; ACE7; ACE8; ACE9; ACE10
Denominator	Children age 6-17 years
Numerator	Children with no adverse childhood experiences; Children with 1 adverse childhood experience; Children with 2 or more adverse childhood experiences
<b>Notes for Data-Users</b>	
The 2016 NSCH includes nine ACEs items: hard to get by on family's income (ACE1), parent or guardian divorced or separated (ACE3), parent or guardian died (ACE4), parent or guardian served time in jail (ACE5), saw or heard parents or adults slap, hit, kick punch one another in the home (ACE6), was a victim of violence or witnessed violence in neighborhood (ACE7), lived with anyone who was mentally ill, suicidal, or severely depressed (ACE8), lived with anyone who had a problem with alcohol or drugs (ACE9), and treated or judged unfairly due to race/ethnicity (ACE 10). A response of 'somewhat often' or 'very often' to the question "How often has it been very hard to get by on your family's income?" (ACE1) was coded as an adverse childhood experience. The remaining survey items ACE3-ACE10 are dichotomous 'Yes/No' response options.	
<b>Revisions in 2016</b>	
There were changes to the wording of seven of the nine items. For more information about the changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE ACE1 (SYSMIS=99) (else=copy) into ACEincome_16. VARIABLE LABELS ACEincome_16 "Adverse childhood experience: hard to get by on family's income - hard to cover basics like food or housing". VALUE LABELS ACEincome_16 1 "Never hard to get by on family income" 2 "Rarely hard to get by on family income" 3 "Somewhat often hard to get by on family income" 4 "Very often hard to get by on family income" 99 "Missing". MISSING VALUES ACEincome_16(99). FORMATS ACEincome_16(f4.0). EXECUTE. </pre>	

```
COMPUTE ACEincome2_16 = 999.  
IF ACE1 = 3 or ACE1 = 4 ACEincome2_16 = 1.  
IF ACE1 = 1 or ACE1 = 2 ACEincome2_16 = 2.  
IF (SYSMIS(ACE1)) ACEincome2_16 = 99.  
VARIABLE LABELS ACEincome2_16 "How often has it been hard to get by on your family's income - hard  
to cover basics like food or housing?".  
VALUE LABELS ACEincome2_16  
1 "Somewhat often/Very often hard to get by on family income"  
2 "Never/Rarely hard to get by on family income"  
99 "Missing".  
  
RECODE ACE3  
(SYSMIS=99) (else=copy) into ACEdivorce_16.  
VARIABLE LABELS ACEdivorce_16 "Adverse childhood experience: parent or guardian divorced or  
separated".  
VALUE LABELS ACEdivorce_16  
1 "Experienced the adverse childhood experience"  
2 "No adverse childhood experiences"  
99 "Missing".  
MISSING VALUES ACEdivorce_16(99).  
FORMATS ACEdivorce_16(f4.0).  
EXECUTE.  
  
RECODE ACE4  
(SYSMIS=99) (else=copy) into ACEdeath_16.  
VARIABLE LABELS ACEdeath_16 "Adverse childhood experience: parent or guardian died".  
VALUE LABELS ACEdeath_16  
1 "Experienced the adverse childhood experience"  
2 "No adverse childhood experiences"  
99 "Missing".  
MISSING VALUES ACEdeath_16(99).  
FORMATS ACEdeath_16(f4.0).  
EXECUTE.  
  
RECODE ACE5  
(SYSMIS=99) (else=copy) into ACEjail_16.  
VARIABLE LABELS ACEjail_16 "Adverse childhood experience: parent or guardian served time in jail".  
VALUE LABELS ACEjail_16  
1 "Experienced the adverse childhood experience"  
2 "No adverse childhood experiences"  
99 "Missing".  
MISSING VALUES ACEjail_16(99).  
FORMATS ACEjail_16(f4.0).  
EXECUTE.  
  
RECODE ACE6  
(SYSMIS=99) (else=copy) into ACEdomviol_16.  
VARIABLE LABELS ACEdomviol_16 "Adverse childhood experience:saw or heard parents or adults slap,  
hit, kick, punch one another in the home".  
VALUE LABELS ACEdomviol_16  
1 "Experienced the adverse childhood experience"  
2 "No adverse childhood experiences"  
99 "Missing".
```

MISSING VALUES ACEdomviol\_16(99).

FORMATS ACEdomviol\_16(f4.0).

EXECUTE.

RECODE ACE7

(SYSMIS=99) (else=copy) into ACEneighviol\_16.

VARIABLE LABELS ACEneighviol\_16 "Adverse childhood experience: victim/witness of neighborhood violence".

VALUE LABELS ACEneighviol\_16

1 "Experienced the adverse childhood experience"

2 "No adverse childhood experiences"

99 "Missing".

MISSING VALUES ACEneighviol\_16(99).

FORMATS ACEneighviol\_16(f4.0).

EXECUTE.

RECODE ACE8

(SYSMIS=99) (else=copy) into ACEmhealth\_16.

VARIABLE LABELS ACEmhealth\_16 "Adverse childhood experience: lived with anyone who was mentally ill, suicidal, or severely depressed".

VALUE LABELS ACEmhealth\_16

1 "Experienced the adverse childhood experience"

2 "No adverse childhood experiences"

99 "Missing".

MISSING VALUES ACEmhealth\_16(99).

FORMATS ACEmhealth\_16(f4.0).

EXECUTE.

RECODE ACE9

(SYSMIS=99) (else=copy) into ACEdrug\_16.

VARIABLE LABELS ACEdrug\_16 "Adverse childhood experience: lived with anyone who had a problem with alcohol or drug".

VALUE LABELS ACEdrug\_16

1 "Experienced the adverse childhood experience"

2 "No adverse childhood experiences"

99 "Missing".

MISSING VALUES ACEdrug\_16(99).

FORMATS ACEdrug\_16(f4.0).

EXECUTE.

RECODE ACE10

(SYSMIS=99) (else=copy) into ACEdiscrim\_16.

VARIABLE LABELS ACEdiscrim\_16 "Adverse childhood experience: treated or judged unfairly because of his/her race or ethnic group".

VALUE LABELS ACEdiscrim\_16

1 "Experienced the adverse childhood experience"

2 "No adverse childhood experiences"

99 "Missing".

MISSING VALUES ACEdiscrim\_16(99).

FORMATS ACEdiscrim\_16(f4.0).

EXECUTE.

MISSING VALUES ACEincome2\_16 ACEdivorce\_16 ACEdeath\_16 ACEjail\_16 ACEdomviol\_16

```
ACEnegviol_16 ACEmhealth_16 ACEdrug_16 ACEdiscrim_16().  
  
COUNT ACEct_16 = ACEincome2_16 ACEdivorce_16 ACEdeath_16 ACEjail_16 ACEdomviol_16  
ACEnegviol_16 ACEmhealth_16 ACEdrug_16 ACEdiscrim_16(1).  
IF ACEincome2_16 = 99 and ACEdivorce_16 = 99 and ACEdeath_16 = 99 and ACEjail_16 = 99 and  
ACEdomviol_16 = 99 and  
ACEnegviol_16 = 99 and ACEmhealth_16 = 99 and ACEdrug_16 = 99 and ACEdiscrim_16 = 99  
ACEct_16 = 99.  
VARIABLE LABELS ACEct_16 "Number of adverse childhood experiences, of 9 asked about".  
VALUE LABELS ACEct_16  
0 "No adverse childhood experiences"  
99 "Missing to all 9 items".  
  
RECODE ACEct_16  
(0=1) (1=2) (2 thru 9 =3) (99=99) into ACE2more_16.  
VARIABLE LABELS ACE2more_16 "Indicator 6.13: Children experienced two or more adverse childhood  
experiences".  
VALUE LABELS ACE2more_16  
1 "No adverse childhood experiences"  
2 "Experienced 1 adverse childhood experience"  
3 "Experienced 2 or more adverse childhood experiences"  
99 "Missing to all 9 items".  
MISSING VALUES ACE2more_16(99).  
FORMATS ACE2more_16(f4.0).  
EXECUTE.
```

Indicator 6.14	Parental aggravation
Description	Does this child have parents who felt aggravated by parenting during the past month?
Survey Items Used	Survey instrument item number for children 0-5 years: H12; for children 6-11 years: H10; for children 12-17 years: H10 Variable in public use data file: K8Q31; K8Q32; K8Q34
Denominator	Children age 0-17 years
Numerator	Children whose parents often feel aggravation from parenting; Children whose parents seldom feel aggravation from parenting
<b>Notes for Data-Users</b>	
Parents who "often feel aggravated" are defined as parents who reported that during the last month, on average, they usually or always felt their child was much harder to care for than other children (K8Q31), or were usually or always bothered a lot by their child's behavior (K8Q32), or were usually or always felt angry with their children (K8Q34).  IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. The accurate way to report these results are: "Percent of children ages 0-17 living with parents who report often feeling aggravated from parenting", not as "Percent of parents....".	
<b>Rewrites in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
RECODE K8Q31 (1=1) (2=2) (3=3) (4 thru 5 = 4) (SYSMIS=99) into DiffCare_16. VARIABLE LABELS DiffCare_16 "Parent felt child is much harder to care for than most children during the past month". VALUE LABELS DiffCare_16 1 "Never" 2 "Rarely" 3 "Sometimes" 4 "Usually or always" 99 "Missing". MISSING VALUES DiffCare_16(99). FORMATS DiffCare_16(f4.0). EXECUTE.  RECODE K8Q32 (1=1) (2=2) (3=3) (4 thru 5 = 4) (SYSMIS=99) into bother_16. VARIABLE LABELS bother_16 "Parent felt child does things that bother them during the past month". VALUE LABELS bother_16	

```
1 "Never"  
2 "Rarely"  
3 "Sometimes"  
4 "Usually or always"  
99 "Missing".  
MISSING VALUES bother_16(99).  
FORMATS bother_16(f4.0).  
EXECUTE.
```

```
RECODE K8Q34  
(1=1) (2=2) (3=3) (4 thru 5 = 4) (SYSMIS=99) into angry_16.  
VARIABLE LABELS angry_16 "Parent felt angry with child during the past month".  
VALUE LABELS angry_16  
1 "Never"  
2 "Rarely"  
3 "Sometimes"  
4 "Usually or always"  
99 "Missing".  
MISSING VALUES angry_16(99).  
FORMATS angry_16(f4.0).  
EXECUTE.
```

MISSING VALUES DiffCare\_16 bother\_16 angry\_16().

```
COUNT ParAgg_ct = DiffCare_16 bother_16 angry_16(4).  
IF DiffCare_16=99 and bother_16=99 and angry_16=99 ParAgg_ct = 99.  
VARIABLE LABELS ParAgg_ct "Number of usually or always responses to three forms of stress reported by parents during the past month".
```

```
COMPUTE ParAggrav_16 = 999.  
IF ParAgg_ct >= 1 ParAggrav_16 = 1.  
IF ParAgg_ct = 0 ParAggrav_16 = 2.  
IF ParAgg_ct = 99 ParAggrav_16 = 99.  
VARIABLE LABELS ParAggrav_16 "Indicator 6.14: Children whose parents who felt stress from parenting during the past month".  
VALUE LABELS ParAggrav_16  
1 "Parent usually/always feels aggravation from parenting"  
2 "Parent seldom feels aggravation from parenting"  
99 "Missing to all 3 items".  
MISSING VALUES ParAggrav_16(99).  
FORMATS ParAggrav_16(f4.0).  
EXECUTE.
```

Indicator 6.15	Parent receives emotional help with parenting
Description	During the past 12 months, was there someone that you could turn to for day-to-day emotional support with parenting or raising children?
Survey Items Used	Survey instrument item number for children 0-5 years: H13; for children 6-11 years: H11; for children 12-17 years: H11 Variable in public use data file: K8Q35
Denominator	Children age 0-17 years
Numerator	Children whose parents had someone to turn to for day-to-day emotional support with parenting or raising children; Children whose parents did not have someone to turn to for day-to-day emotional support with parenting or raising children
<b>Notes for Data-Users</b>	
IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. The accurate way to report these results are: "Percent of children ages 0-17 living with parents who have someone to turn to", not as "Percent of parents...".	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
RECODE K8Q35 (1=1) (2=2) (SYSMIS=99) into EmSupport_16. VARIABLE LABELS EmSupport_16 "Indicator 6.15: Children living with parents who have someone that could turn to for day-to-day emotional support with parenting or raising children". VALUE LABELS EmSupport_16 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES EmSupport_16(99). FORMATS EmSupport_16(f4.0). EXECUTE.	

Indicator 6.16	Coping with daily demands of raising children
Description	How well do you think you are handling the day-to-day demands of raising children?
Survey Items Used	Survey instrument item number for children 0-5 years: H11; for children 6-11 years: H9; for children 12-17 years: H9 Variable in public use data file: K8Q30
Denominator	Children age 0-17 years
Numerator	Children whose parents are coping with day-to-day demands of raising children very well; Children whose parents are coping with day-to-day demands of raising children somewhat, not very well or not very well at all
<b>Notes for Data-Users</b>	
IMPORTANT NOTE: Results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. The accurate way to report these results are: "Percent of children ages 0-17 living with parents who are coping with the demands of raising children" very well, not as "Percent of parents...".	
<b>Revisions in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K8Q30 (1=1) (2 thru 4=2) (SYSMIS=99) into ParCoping_16. VARIABLE LABELS ParCoping_16 "Indicator 6.16: Coping with day-to-day demands of raising children". VALUE LABELS ParCoping_16 1 "Very well" 2 "Somewhat well or Not very well or Not very well at all" 99 "Missing". MISSING VALUES ParCoping_16(99). FORMATS ParCoping_16(f2.0). EXECUTE. </pre>	

Indicator 6.17	Job change due to problems with child care, age 0-5 years
Description	During the past 12 months, did you or anyone in the family have to quit a job, not take a job, or greatly change your job because of problems with child care for this child?
Survey Items Used	Survey instrument item number for children 0-5 years: H16 Variable in public use data file: K6Q27
Denominator	Children age 0-5 years
Numerator	Children whose family member have to quit a job, not take a job, or greatly change their job because of problems with child care for this child; Children whose family member did not have to quit a job, not take a job, or greatly change their job because of problems with child care for this child
<b>Notes for Data-Users</b>	
N/A	
<b>Rewrites in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q27 (1=1) (2=2) (SYSMIS=99) into JobChange_16. IF SC_AGE_YEARS &gt; 5 JobChange_16 = 90. VARIABLE LABELS JobChange_16 "Indicator 6.17: Job change because problems with child care, age 0-5 years". VALUE LABELS JobChange_16 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES JobChange_16(90,99). FORMATS JobChange_16(f4.0). EXECUTE. </pre>	

<b>Indicator 6.18</b>	<b>Stopped working and cut back hours due to child's health</b>
<b>Description</b>	During the past 12 months, have you or other family members stopped working or cut down on hours you work because of this child's health or health conditions?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years:F4a,b; for children 6-11 years:F4a,b; for children 12-17 years: F4a,b Variable in public use data file: STOPWORK; CUTHOURS
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children whose parents or family members cut back hours or/and stopped working because of their children's health or health conditions; Children whose parents or family members' employment was not affected because of their children's health or health conditions
<b>Notes for Data-Users</b>	
This measure combines the concepts of family members "cutting down on hours worked" and/or "stopping work" altogether because of their children's health and health conditions. To be scored in the numerator of this measure, the child may have a "Yes" response to either STOPWORK, CUTHOURS, or both.	
<b>Revisions in 2016</b>	
This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of this question in 2016. For more information about the changes <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE StopCutWork_16 = 999. IF STOPWORK = 2 or CUTHOURS = 2 StopCutWork_16 = 2. IF STOPWORK = 1 or CUTHOURS = 1 StopCutWork_16 = 1. IF (SYSMIS(STOPWORK)) and (SYSMIS(CUTHOURS)) StopCutWork_16 = 99. VARIABLE LABELS StopCutWork_16 "Indicator 6.18: Family members stopped working or reduced work hours due to child's health". VALUE LABELS StopCutWork_16 1 "Family member cut back hours or stopped working or both" 2 "Employment not affected" 99 "Missing to both". MISSING VALUES StopCutWork_16(99). FORMATS StopCutWork_16(f4.0). EXECUTE. </pre>	

<b>Indicator 6.19</b>	<b>Avoided changing jobs to maintain insurance</b>
<b>Description</b>	During the past 12 months, have you or other family members avoided changing jobs because of concerns about maintaining health insurance for this child?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: F4C; for children 6-11 years: F4C; for children 12-17 years: F4C Variable in public use data file: AVOIDCHG
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children whose family members avoided changing jobs because of concerns about maintaining health insurance; Children whose family members did not have concerns about maintaining health insurance
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE AVOIDCHG (1=1) (2=2) (SYSMIS=99) into AvoidChng_16.  VARIABLE LABELS AvoidChng_16 "Indicator 6.19: Children whose family member(s) avoided changing jobs because of concerns about maintaining health insurance".  VALUE LABELS AvoidChng_16 1 "Yes" 2 "No" 99 "Missing".  MISSING VALUES AvoidChng_16(99).  FORMATS AvoidChng_16(f4.0).  EXECUTE. </pre>	

Indicator 6.20a	Time spent providing health care
Description	In an average week, how many hours do you or other family members spend providing health care at home for this child?
Survey Items Used	Survey instrument item number for children 0-5 years: F5; for children 6-11 years: F5; for children 12-17 years: F5 Variable in public use data file: ATHOMEHC
Denominator	Children age 0-17 year
Numerator	Children whose families did not provide at home care on a weekly basis; Children whose family members spend less than 1 hour per week providing health care at home for this child; Children whose family members spend 1-4 hours per week providing health care at home; Children whose family members spend 5-10 hours per week providing health care at home; Children whose family members spend 11 or more hours per week providing health care at home for this child
<b>Notes for Data-Users</b>	
This survey question defines "home health care" as changing bandages, and providing medication and therapies when needed.	
<b>Revisions in 2016</b>	
This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). In the 2009/10 NS-CSHCN, responses to the question were reported in a continuous number of hours. In the 2016 NSCH, a categorical range of hours was available to select, in addition to the response, "does not need health care provided on a weekly basis". Additionally, there were changes to the wording of the question. For more information about the changes, <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE ATHOMEHC (1=1) (2=2)(3=3) (4 thru 5=4) (6=95) (SYSMIS=99) into HomeCare_16 . VARIABLE LABELS HomeCare_16 "Indicator 6.20a: Time spent providing health care for child in an average week". VALUE LABELS HomeCare_16 1 "No at home care was provided" 2 "Less than 1 hour per week" 3 "1-4 hours per week" 4 "5 or more hours per week" 95 "Do not need health care provided on a weekly basis" 99 "Missing". MISSING VALUES HomeCare_16(95,99). FORMATS HomeCare_16(f4.0). EXECUTE. </pre>	

Indicator 6.20b	Time spent coordinating health care
Description	In an average week, how many hours do you or other family members spend arranging or coordinating health or medical care for this child?
Survey Items Used	Survey instrument item number for children 0-5 years: F6; for children 6-11 years: F6; for children 12-17 years: F6 Variable in public use data file: ARRANGEHC
Denominator	Children age 0-17 year
Numerator	Children who did not need care coordination on a weekly basis; Children whose family members spend less than 1 hour per week coordinating health care; Children whose family members spend 1-4 hours per week coordinating health care; Children whose family members spend 5 or more hours per week coordinating health care
<b>Notes for Data-Users</b>	
This survey question defines "arranging or coordinating health care" as making appointments and locating services.	
<b>Rewritten in 2016</b>	
This question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). In the 2009/10 NS-CSHCN, the response was reported in a continuous number of hours. In the 2016 NSCH, categorical ranges of hours were available to select, in addition to the response: "does not need health care coordinated on a weekly basis". In addition, there were minor changes to the wording of the question. For more information about the changes, <a href="#">click here</a> .	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE ARRANGEHC (1=1) (2=2) (3=3) (4 thru 5=4) (6=95) (SYSMIS=99) into TimeCoord_16 . VARIABLE LABELS TimeCoord_16 "Indicator 6.20b: Time spent coordinating health care for child in an average week". VALUE LABELS TimeCoord_16 1 "No health or medical care was arranged or coordinated" 2 "Less than 1 hour per week" 3 "1-4 hours per week" 4 "5 or more hours per week" 95 "Do not need health care provided on a weekly basis" 99 "Missing". MISSING VALUES TimeCoord_16(95,99). FORMATS TimeCoord_16(f4.0). EXECUTE. </pre>	

Indicator 6.21	Received care from others at least 10 hours/week, age 0-5 years
Description	Does this child receive care for at least 10 hours per week from someone other than his or her parent or guardian?
Survey Items Used	Survey instrument item number for children 0-5 years: H15 Variable name in public use data file: K6Q20
Denominator	Children age 0-5 years
Numerator	Children who receive care for at least 10 hours per week from someone other than their parent or guardian; Children who do not receive care from others
<b>Notes for Data-Users</b>	
Care received from was defined as a day care center, preschool, Head Start program, nanny, au pair, or any other non-relative.	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q20 (1=1) (2=2) (SYSMIS=99) into Care10hrs_16. IF SC_AGE_YEARS &gt; 5 Care10hrs_16 = 90. VARIABLE LABELS Care10hrs_16 "Indicator 6.21: Received care from others at least 10 hours per week, age 0-5 years". VALUE LABELS Care10hrs_16 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES Care10hrs_16(90,99). FORMATS Care10hrs_16(f4.0). EXECUTE. </pre>	

Indicator 6.22	Sleep position, 0-12 months
Description	In which position do you most often lay this baby down to sleep now?
Survey Items Used	Survey instrument item number for children 0-5 years: H6 Variable in public use data file: SLEEPPOS
Denominator	Children age 0-1 years
Numerator	Children who sleep on their back; Children sleep on their side/stomach
<b>Notes for Data-Users</b>	
In 1992, the American Academy of Pediatrics released a statement which recommended that infants should be placed on their back. In 2011, the AAP expanded its policy statement to include safe sleep environment. The AAP policy statement states that "To reduce the risk of SIDS, infants should be placed for sleep in a supine position (wholly on the back) for every sleep by every caregiver until 1 year of life. Side sleeping is not safe and is not advised." The policy statement is accessible through the <a href="#">AAP website</a> .	
<b>Revisions in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SleepPos_16 = 999. IF SLEEPPOS = 2 SleepPos_16 = 1. IF SLEEPPOS = 1 or SLEEPPOS= 3 SleepPos_16 = 2. IF (SYSMIS(SLEEPPOS)) SleepPos_16 = 99. IF SC_AGE_YEARS &gt;= 1 SleepPos_16 = 90. VARIABLE LABELS SleepPos_16 "Indicator 6.22: Sleep position, 0-12 month ". VALUE LABELS SleepPos_16 1 "On his or her back" 2 "On his or her side/stomach" 90 "Children age 1-17 years" 99 "Missing". MISSING VALUES SleepPos_16(90,95,99). FORMATS SleepPos_16(f2.0). EXECUTE. </pre>	

Indicator 6.24	Child goes to bed same time on weeknights
Description	How often does this child go to bed at about the same time on weeknights?
Survey Items Used	Survey instrument item number for children 0-5 years: H4; for children 6-11 years: H4; for children 12-17 years: H4 Variable in public use data file: BEDTIME
Denominator	Children age 0-17 years
Numerator	Children who always go to bed at the same time on weeknights; Children who usually go to bed at the same time on weeknights; Children who sometimes go to bed at the same time on weeknights; Children who rarely/never go to bed at the same time on weeknights
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BedTime_16 = 999. IF BEDTIME = 1 BedTime_16 = 1. IF BEDTIME = 2 BedTime_16 = 2. IF BEDTIME = 3 BedTime_16 = 3. IF BEDTIME = 4 or BEDTIME = 5 BedTime_16 = 4. IF (SYSMIS(BEDTIME)) BedTime_16 = 99. VARIABLE LABELS BedTime_16 "Indicator 6.24: Go to bed at the same time on weeknights". VALUE LABELS BedTime_16 1 "Always" 2 "Usually" 3 "Sometimes" 4 "Rarely or never" 99 "Missing". MISSING VALUES BedTime_16(99). FORMATS BedTime_16(f2.0). EXECUTE. </pre>	

Indicator 6.25	Adequate amount of sleep, age 4 months-17 years
Description	During the past week, how many hours of sleep did this child get on an average weeknight?
Survey Items Used	Survey instrument item number for children 0-5 years: H5; for children 6-11 years: H5; for children 12-17 years: H5 Variable in public use data file: HOURSLEEP05; HOURSLEEP
Denominator	Children age 4 months-17 years
Numerator	Children who sleep recommended age-appropriate hours; Children who sleep less than recommended age-appropriate hours
<b>Notes for Data-Users</b>	
<p>Not getting enough sleep on a regular basis leads to increases in some types of health problems/conditions such as hypertension, injuries, obesity, and depression etc. The American Academy of Pediatrics endorsed a guideline developed by the American Academy of Sleep Medicine, "Recommended sleep duration for children from infants to teens". The guideline recommends the following sleep hours:</p> <ul style="list-style-type: none"> <li>Infants 4 months to 12 months should sleep 12 to 16 hours per 24 hours (including naps)</li> <li>Children 1 to 2 years of age should sleep 11 to 14 hours per 24 hours (including naps)</li> <li>Children 3 to 5 years of age should sleep 10 to 13 hours per 24 hours (including naps)</li> <li>Children 6 to 12 years of age should sleep 9 to 12 hours per 24 hours</li> <li>Teenagers 13 to 18 years of age should sleep 8 to 10 hours per 24 hours</li> </ul> <p>More information can be obtained from the <a href="#">AAP website</a>.</p>	
<b>Revisions in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE HrsSleep_16 = 999. IF (SYSMIS(HOURSLEEP)) or (SYSMIS(HOURSLEEP05)) HrsSleep_16 = 99. DO IF SC_AGE_LT4 = 2 and SC_AGE_YEARS = 0.   IF HOURSLEEP05 &lt; 7 HrsSleep_16 = 2.   IF HOURSLEEP05 = 7 HrsSleep_16 = 1. END IF. DO IF SC_AGE_YEARS &gt; 0 and SC_AGE_YEARS &lt; 3.   IF HOURSLEEP05 &lt; 6 HrsSleep_16 = 2.   IF HOURSLEEP05 = 6 or HOURSLEEP05 = 7 HrsSleep_16 = 1. END IF. DO IF SC_AGE_YEARS &gt; 2 and SC_AGE_YEARS &lt; 6.   IF HOURSLEEP05 &lt; 5 HrsSleep_16 = 2.   IF HOURSLEEP05 &gt; 4 HrsSleep_16 = 1. END IF. DO IF SC_AGE_YEARS &gt; 5 and SC_AGE_YEARS &lt; 13.   IF HOURSLEEP &lt; 5 HrsSleep_16 = 2.   IF HOURSLEEP &gt; 4 HrsSleep_16 = 1. END IF. </pre>	

```
DO IF SC_AGE_YEARS > 12.  
  IF HOURSLEEP < 4 HrsSleep_16 = 2.  
  IF HOURSLEEP > 3 HrsSleep_16 = 1.  
END IF.  
IF SC_AGE_LT4 = 1 HrsSleep_16 = 95.  
VARIABLE LABELS HrsSleep_16 "Indicator 6.25: Hours child get sleep on an average weeknights, age 4  
months-17 years".  
VALUE LABELS HrsSleep_16  
1 "Child sleeps recommended age-appropriate hours"  
2 "Child sleeps less than recommended age-appropriate hours"  
99 "Missing"  
95 "Children less than 4 months old".  
MISSING VALUES HrsSleep_16(95,99).  
FORMATS HrsSleep_16(f4.0).  
EXECUTE.
```

Indicator 6.26	Food insufficiency
Description	Which of these statements best describes the food situation in this child's household in the past 12 months?
Survey Items Used	Survey instrument item number for children 0-5 years: I6; for children 6-11 years: I6; for children 12-17 years: I6 Variable in public use data file: FOODSIT
Denominator	Children age 0-17 years
Numerator	Children whose family could always afford to eat good nutritious meals; children whose family could always afford enough to eat but not always the kinds of food they know they should eat; Children whose family sometimes could not afford enough to eat; Children whose family often could not afford enough to eat
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
This item is new in the 2016 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE FOODSIT (1=1) (2=2) (3 thru 4=3) (SYSMIS=99) (else=copy) into FoodSit_16. VARIABLE LABELS FoodSit_16 "Indicator 6.26: Food situation in child's household in the past 12 months". VALUE LABELS FoodSit_16 1 "We could always afford to eat good nutritious meals" 2 "We could always afford enough to eat but not always the kinds of food we should eat" 3 "Sometimes or often we could not afford enough to eat" 99 "Missing". MISSING VALUES FoodSit_16(99). FORMATS FoodSit_16(f4.0). EXECUTE. </pre>	

Indicator 6.27	Received food or cash assistance
Description	Did this child live in a household that received food or cash assistance?
Survey Items Used	Survey instrument item number for children 0-5 years: I7; for children 6-11 years: I7; for children 12-17 years: I7 Variable in public use data file: K11Q60; K11Q61; K11Q62; S9Q34;
Denominator	Children age 0-17 years
Numerator	Children who live in families no one received food or cash assistance; Children who live in families someone received 1-2 types of food or cash assistance; Children who live in families someone received 3-4 types of food or cash assistance
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
There were changes to the wording of the question. For more information about the question changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre>COUNT FoodCash_ct = S9Q34 K11Q60 K11Q61 K11Q62(1). IF (SYSMIS(S9Q34)) and (SYSMIS(K11Q60)) and (SYSMIS(K11Q61)) and (SYSMIS(K11Q62)) FoodCash_ct = 99. VARIABLE LABELS FoodCash_ct "Number of types of food and cash assistance from 4 types asked about".  RECODE FoodCash_ct (0=0) (1 thru 2 = 1) (3 thru 4 = 2) into FoodCash_16. IF FPL &gt; 300 FoodCash_16 = 95. VARIABLE LABELS FoodCash_16 "Indicator 6.27: Received food or cash assistance during the past 12 months". VALUE LABELS FoodCash_16 0 "Did not receive food or cash assistance" 1 "Received 1-2 types of assistance" 2 "Received 3-4 types of assistance" 95 "Children live in households with &gt; 300% FPL" 99 "Missing". MISSING VALUES FoodCash_16(99). FORMATS FoodCash_16(f4.0). EXECUTE.  RECODE S9Q34 (1=1) (2=2) (SYSMIS=99) into WIC_16.</pre>	

VARIABLE LABELS WIC\_16 "Someone in the family received benefits from the WIC Program during the past 12 months".

VALUE LABELS WIC\_16

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES WIC\_16(99).

FORMATS WIC\_16(f4.0).

EXECUTE.

RECODE K11Q60

(1=1) (2=2) (SYSMIS=99) into CashAss\_16.

VARIABLE LABELS CashAss\_16 "Someone in the family received cash assistance from government during the past 12 months".

VALUE LABELS CashAss\_16

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES CashAss\_16(99).

FORMATS CashAss\_16(f4.0).

EXECUTE.

RECODE K11Q61

(1=1) (2=2) (SYSMIS=99) into FoodStamp\_16.

VARIABLE LABELS FoodStamp\_16 "Someone in the family received Food Stamps or Supplemental Nutrition Assistance Program benefits during the past 12 months".

VALUE LABELS FoodStamp\_16

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES K11Q61(99).

FORMATS K11Q61(f4.0).

EXECUTE.

RECODE K11Q62

(1=1) (2=2) (SYSMIS=99) into MealFree\_16.

VARIABLE LABELS MealFree\_16 "Someone in the family received free or reduced-cost breakfasts or lunches at school during the past 12 months".

VALUE LABELS MealFree\_16

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES MealFree\_16(99).

FORMATS MealFree\_16(f4.0).

EXECUTE.

Indicator 7.1	Supportive neighborhood
Description	Does this child live in a supportive neighborhood?
Survey Items Used	Survey instrument item number for children 0-5 years: I9a,b,d; for children 6-11 years: I9a,b,d; for children 12-17 years: I9a,b,d ; Variable in public use data file: K10Q30; K10Q31; GOFORHELP
Denominator	Children age 0-17 years
Numerator	Children who live in supportive neighborhoods; Children who live in neighborhoods that are not supportive
<b>Notes for Data-Users</b>	
<p>This measure is referred to in various contexts as “neighborhood support”, “neighborhood cohesion”, and “social capital” – and is derived from responses to three statements: 1) People in my neighborhood help each other out (K10Q30); 2) We watch out for each other's children in this neighborhood (K10Q31); and 3) When we encounter difficulties, we know where to go for help in our community (GOFORHELP). Respondents were asked whether they definitely agree, somewhat agree, somewhat disagree, or definitely disagree with each statement. Only children with valid responses on at least three items are included in the denominator. In the 2016 NSCH, children are considered to live in supportive neighborhoods if their parents reported “definitely agree” to at least one of the items below and “somewhat agree” or “definitely agree” to the other two items.</p>	
<b>Revisions in 2016</b>	
<p>The 2011/12 NSCH included two questions which were dropped in the 2016 NSCH: 1) There are people I can count on in this neighborhood; and 2) If my child were outside playing and got hurt or scared, there are adults nearby who I trust to help my child. In the 2016 NSCH, one new, additional question was included: When we encounter difficulties, we know where to go for help in our community (GOFORHELP).</p> <p>The scoring of this measure is changed. In the 2011/12 NSCH, the measure was scored based on the mean score from the assigned value for the item responses. In the 2016 NSCH, children are considered to live in supportive neighborhoods if their parents reported “definitely agree” to at least one of the items below and “somewhat agree” or “definitely agree” to the other two items.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE NbhdSupp_16=999. IF (K10Q30&gt;=2) or (K10Q31&gt;=2) or (GOFORHELP&gt;=2) NbhdSupp_16=2. IF (K10Q30=1) and (K10Q31&lt;=2) and (GOFORHELP&lt;=2) NbhdSupp_16=1. IF (K10Q30&lt;=2) and (K10Q31=1) and (GOFORHELP&lt;=2) NbhdSupp_16=1. IF (K10Q30&lt;=2) and (K10Q31&lt;=2) and (GOFORHELP=1) NbhdSupp_16=1. IF (SYSMIS(K10Q30)) or (SYSMIS(K10Q31)) or (SYSMIS(GOFORHELP)) NbhdSupp_16=99. VARIABLE LABELS NbhdSupp_16 "Child live is a supportive neighborhood". VALUE LABELS NbhdSupp_16 1 "Live in supportive neighborhoods" 2 "Do not live in supportive neighborhoods" 99 "Missing to any". MISSING VALUES NbhdSupp_16(99). FORMATS NbhdSupp_16(f2.0). EXECUTE. </pre>	

Indicator 7.2	Safe neighborhood
Description	Does this child live in a safe neighborhood?
Survey Items Used	Survey instrument item number for children 0-5 years: I9c; for children 6-11 years: I9c; for children 12-17 years: I9c Variable in public use data file: K10Q40_R
Denominator	Children age 0-17 years
Numerator	Children whose parents definitely agree that their children are safe in the neighborhood; Children whose parents somewhat agree that their children are safe in the neighborhood; Children whose parents somewhat/definitely disagree that their children are safe in the neighborhood
Notes for Data-Users	N/A
Revisions in 2016	<p>There were changes to the wording of this question. For more information about the changes <a href="#">click here</a>. Response option changed from "Always", "Usually", "Sometimes", or "Never" to "Definitely agree", "Somewhat agree", "Somewhat disagree" or "Definitely disagree".</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>
SPSS Syntax and Annotation	<pre> COMPUTE NbhdSafe_16 = 999. IF K10Q40_R = 1 NbhdSafe_16 = 1. IF K10Q40_R = 2 NbhdSafe_16 = 2. IF K10Q40_R =3 or K10Q40_R = 4 NbhdSafe_16 = 3. IF (SYSMIS(K10Q40_R)) NbhdSafe_16 = 99. VARIABLE LABELS NbhdSafe_16 "Indicator 7.2: Children live in safe neighborhoods". VALUE LABELS NbhdSafe_16 1 "Definitely agree" 2 "Somewhat agree" 3 "Somewhat or definitely disagree" 99 "Missing". FORMATS NbhdSafe_16(f2.0). MISSING VALUES NbhdSafe_16(99). EXECUTE. </pre>

<b>Indicator 7.3</b>	<b>Safe school, age 6-17 years</b>
<b>Description</b>	Is this child safe at school?
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: I9e; for children 12-17 years: I9e Variable in public use data file: K10Q41_R
<b>Denominator</b>	Children age 6-17 years
<b>Numerator</b>	Children whose parents definitely agree that their children are safe at school; Children whose parents somewhat agree that their children are safe at school; Children whose parents somewhat or definitely disagree that their children are safe at school;
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
<p>There were changes to the wording of this question. In the 2011/12 NSCH, children age 6-17 years who were either home-schooled or were not enrolled in school during the previous 12 months were not included in the denominator. Response options changed from "Always", "Usually", "Sometimes" or "Never" to "Definitely agree", "Somewhat agree", "Somewhat disagree" or "Definitely disagree". For more information about the changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K10Q41_R (1=1) (2=2) (3 thru 4=3) (SYSMIS=99) into SchlSafe_16. IF SC_AGE_YEARS &lt; 6 SchlSafe_16 = 90. VARIABLE LABELS SchlSafe_16 "Indicator 7.3: Children who are safe at schools, age 6-17 years". VALUE LABELS SchlSafe_16 1 "Definitely agree" 2 "Somewhat agree" 3 "Somewhat or definitely disagree" 99 "Missing" 90 "Children age 0-5 years". FORMATS SchlSafe_16(f2.0). MISSING VALUES SchlSafe_16(90,99). EXECUTE. </pre>	

Indicator 7.4	Neighborhood amenities
Description	Does this child live in a neighborhood that contains certain amenities -- parks, recreation centers, sidewalks or libraries?
Survey Items Used	Survey instrument item number for children 0-5 years: I8a-d; for children 6-11 years: I8a-d; for children 12-17 years: I8a-d Variable in public use data file: K10Q11; K10Q12; K10Q13; K10Q14
Denominator	Children age 0-17 years
Numerator	Children live in neighborhoods that do not contain any amenities from the list of 4; Children live in neighborhoods that contain 1 amenity from the list; Children live in neighborhoods that contain 2 amenities from the list; Children live in neighborhoods that contain 3 amenities from the list; Children live in neighborhoods that contain all 4 amenities from the list
<b>Notes for Data-Users</b>	
This measure counts how many of four amenities - sidewalks or walking paths (K10Q11), parks or playground (K10Q12), recreation centers, community center, or boys' and girls' club (K10Q13), or libraries or bookmobiles (K10Q14) - are present in the children's neighborhoods. Valid responses to all four items are required for this measure.	
<b>Revisions in 2016</b>	
The content of the measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
RECODE K10Q11 (SYSMIS=99) (else=copy) into SideWlks_16. VARIABLE LABELS SideWlks_16 "Children who live in neighborhoods with sidewalks or walking paths". VALUE LABELS SideWlks_16 1 "Neighborhood contains sidewalks or walking paths" 2 "Neighborhood does not contain sidewalks or walking paths" 99 "Missing".  RECODE K10Q12 (SYSMIS=99) (else=copy) into park_16. VARIABLE LABELS park_16 "Children who live in neighborhoods with a park or playground area". VALUE LABELS park_16 1 "Neighborhood contains a park or playground area" 2 "Neighborhood does not contain a park or playground area" 99 "Missing".  RECODE K10Q13 (SYSMIS=99) (else=copy) into RecCentr_16. VARIABLE LABELS RecCentr_16 "Children who live in neighborhoods with recreation center, community"	

**Indicator and Subgroup Variables - Neighborhood Safety and Support**

center or Boys'/Girls' Club".

VALUE LABELS RecCentr\_16

1 "Neighborhood contains a recreation center, community center or Boys'/Girls' Club"

2 "Neighborhood does not contain a recreation center, community center or Boys'/Girls' Club"

99 "Missing".

RECODE K10Q14

(SYSMIS=99) (else=copy) into library\_16.

VARIABLE LABELS library\_16 "Children who live in neighborhoods with a library or bookmobile".

VALUE LABELS library\_16

1 "Neighborhood contains a library or bookmobile"

2 "Neighborhood does not contain a library or bookmobile"

99 "Missing".

COUNT NbhdAmenities\_16=K10Q11 K10Q12 K10Q13 K10Q14 (1).

IF (SYSMIS(K10Q11)) or (SYSMIS(K10Q12)) or (SYSMIS(K10Q13)) or (SYSMIS(K10Q14))

NbhdAmenities\_16=99.

VARIABLE LABELS NbhdAmenities\_16 "Count of amenities in children's neighborhoods".

VALUE LABELS NbhdAmenities\_16

0 "Neighborhood does not contain any amenities"

1 "Neighborhood contains 1 amenity"

2 "Neighborhood contains 2 amenities"

3 "Neighborhood contains 3 amenities"

4 "Neighborhood contains all 4 amenities"

99 "Missing to any of the questions".

FORMATS NbhdAmenities\_16 (f3.0).

MISSING VALUES NbhdAmenities\_16 (99).

Indicator 7.5	Presence of detracting neighborhood elements
Description	Does this child live in a neighborhood where there is litter or garbage on the street or sidewalk, poorly kept or rundown housing, or vandalism such as broken windows and graffiti?
Survey Items Used	Survey instrument item number for children 0-5 years: I8e-g; for children 6-11 years: I8e-g; for children 12-17 years: I8e-g Variable in public use data file: K10Q20; K10Q22; K10Q23
Denominator	Children age 0-17 years
Numerator	Children live in neighborhoods with no detracting elements from the list of 3; Children live in neighborhoods that have 1 detracting element from the list; Children live in neighborhoods that have 2 detracting elements from the list, Children live in neighborhood that have all 3 detracting elements from the list
<b>Notes for Data-Users</b>	
This measure counts how many of three detracting elements - litter or garbage on the street or sidewalk (K10Q20); poorly kept or rundown housing (K10Q22); or vandalism such as broken windows or graffiti (K10Q23) - are present in children's neighborhoods. Valid responses to all three of these questions are required.	
<b>Rewrites in 2016</b>	
The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K10Q20 (else=copy) into litter_16. VARIABLE LABELS litter_16 "Children who live in neighborhoods with litter or garbage on the street or sidewalk". VALUE LABELS litter_16 1 "Neighborhood has litter or garbage on sidewalks and streets" 2 "Neighborhood does not have litter or garbage on sidewalks and streets" 99 "Missing".  RECODE K10Q22 (else=copy) into housing_16. VARIABLE LABELS housing_16 "Children who live in neighborhoods with poorly kept or rundown housing". VALUE LABELS housing_16 1 "Neighborhood has poorly kept or rundown housing" 2 "Neighborhood does not have poorly kept or dilapidated rundown housing" 99 "Missing".  RECODE K10Q23 </pre>	

**Indicator and Subgroup Variables - Neighborhood Safety and Support**

```
(else=copy) into vandal_16.  
VARIABLE LABELS vandal_16 "Children who live in neighborhoods with vandalism such as broken  
windows or graffiti ".  
VALUE LABELS vandal_16  
1 "Neighborhood has broken windows or graffiti"  
2 "Neighborhood does not have broken windows or graffiti"  
99 "Missing".  
  
COMPUTE NbhdDetract_16 = 999.  
  
COMPUTE validcomm = 0.  
COUNT validcomm=litter_16 housing_16 vandal_16 (1,2).  
  
COMPUTE comm_cond = 0.  
COUNT comm_cond=litter_16 housing_16 vandal_16 (1).  
VARIABLE LABELS comm_cond "Number of neighborhood condition Items".  
  
COMPUTE NbhdDetract_16 = 999.  
IF comm_cond = 3 NbhdDetract_16 = 3.  
IF comm_cond = 2 NbhdDetract_16 = 2.  
IF comm_cond = 1 NbhdDetract_16 = 1.  
IF comm_cond = 0 NbhdDetract_16 = 0.  
IF validcomm < 3 NbhdDetract_16 = 99.  
VARIABLE LABELS NbhdDetract_16 "Indicator 7.5: Presence of detracting neighborhood elements in the  
neighborhood".  
VALUE LABELS NbhdDetract_16  
0 " Neighborhood does not have any detracting elements"  
1 "Neighborhood has 1 detracting element"  
2 "Neighborhood has 2 detracting elements"  
3 "Neighborhood has 3 detracting elements"  
99 "Missing to any of the questions".  
MISSING VALUES NbhdDetract_16(99).  
FORMATS NbhdDetract_16(f4.0).  
EXECUTE.
```

<b>U.S. children in 3 age groups</b>	
<b>Description</b>	What is this child's age? (3 age groups)
<b>Survey Items Used</b>	Screener Questionnaire item number: 3 Variable in public use data file: SC_AGE_YEARS
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Age 0-5 years; Age 6-11 years; Age 12-17 years
<b>Notes for Data-Users</b>	
Uses variable SC_AGE_YEARS in the 2016 NSCH public use file provided by the Census Bureau; aggregates into three groups. Age categories were created from initial screening questions asked for all children in the survey.	
<b>Revisions in 2016</b>	
The 2016 asked age for all children in the household; children 0-5 years were oversampled. The oversampling of young children has been adjusted in weights in the public use file provided by Census Bureau.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE SC_AGE_YEARS (0 thru 5=1) (6 thru 11=2) (12 thru 17=3) into age3_16 . VARIABLE LABELS age3_16 "Children's age in 3 categories". VALUE LABELS age3_16 1 "0-5 years old" 2 "6-11 years old" 3 "12-17 years old". EXECUTE . </pre>	

U.S. children in 5 age groups	
Description	What is this child's age? (5 age groups)
Survey Items Used	Screener Questionnaire item number: 3 Variable in public use data file: SC_AGE_YEARS
Denominator	Children age 0-17 years
Numerator	Age 0-3 years; Age 4-7 years; Age 8-11 years; Age 12-14 years; Age 15-17 years
<b>Notes for Data-Users</b>	
Uses variable SC_AGE_YEARS in the 2016 NSCH public use file provided by the Census Bureau; aggregates into three groups. Age categories were created from initial screening questions asked for all children in the survey.	
<b>Revisions in 2016</b>	
The 2016 asked age for all children in the household; children 0-5 years were oversampled. The oversampling of young children has been adjusted in weights in the public use file provided by Census Bureau.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE SC_AGE_YEARS (0 thru 3=1) (4 thru 7=2) (8 thru 11=3) (12 thru 14=4) (15 thru 17=5) into age5_16 . VARIABLE LABELS age5_16 "Children's age in 5 categories". VALUE LABELS age5_16 1 "0-3 years old" 2 "4-7 years old" 3 "8-11 years old" 4 "12-14 years old" 5 "15-17 years old". EXECUTE. </pre>	

<b>Sex of child</b>	
<b>Description</b>	What is this child's sex?
<b>Survey Items Used</b>	Screener Questionnaire item number: 4 Variable in public use data file: SC_SEX
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Male children; Female children
<b>Notes for Data-Users</b>	
The question about child's sex was asked for all children in the household in the initial screening questionnaire. The selected child's sex variable (SC_SEX) had 0.1% missing values. The 2016 NSCH public use data file provided by the Census Bureau includes values of single imputation for SC_SEX variable.	
<b>Revisions in 2016</b>	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE SC_SEX (SYSMIS=99) (1=1) (2=2) into sex_16. VARIABLE LABELS sex_16 "Sex of the child". VALUE LABELS sex_16 1 "Male" 2 "Female" 99 "Missing". MISSING VALUES sex_16(99). FORMATS sex_16(f4.0). EXECUTE. </pre>	

Race and ethnicity distribution of the child population	
Description	What is this child's race/ethnicity?
Survey Items Used	Screener Questionnaire item number: 1,2 Variable in public use data file: SC_HISPANIC_R; SC_RACE_R
Denominator	Children age 0-17 years
Numerator	Hispanic children; White, non-Hispanic children; Black, non-Hispanic children; Other, non-Hispanic children
<b>Notes for Data-Users</b>	
<p>The questions about child's Hispanic origin and race were asked in the initial screening questionnaire. Responses to the race question are combined into SC_RACE_R. Responses to the question about Hispanic, Latino or Spanish origin is included as SC_HISPANIC_R. Hispanic origin and race information for the selected sample child was provided in the "Topical" public use file provided by the Census Bureau. For race4_16, children reporting Hispanic or Latino ethnicity (SC_HISPANIC_R=1) are counted as Hispanic regardless of reported race in SC_RACE_R. Non-Hispanic children (SC_HISPANIC_R=2) are grouped by race based on SC_RACE_R. Non-Hispanic children reporting only one race category of Asian, American Indian or Alaska Native, Native Hawaiian or other Pacific Islander, and some other race are grouped as "Other, non-Hispanic" because of small sample sizes in many states. Non-Hispanic children who reported more than one race are categorized as "Other, non-Hispanic".</p> <p>Hispanic origin had 0.57% missing cases and race had 0.32% missing values. The 2016 NSCH public use data file provided by the Census Bureau includes values of single imputation for these missing cases in the variables SC_HISPANIC_R and SC_RACE_R.</p>	
<b>Revisions in 2016</b>	
<p>In the 2016 NSCH, detailed race categories for Asian were included in response options: Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian. Additional specific race categories for Pacific Islander such as Guamanian or Chamorro and Samoan were included in the 2016 NSCH. These data are not released in the public use file.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SAS Syntax and Annotation</b>	
<pre> COMPUTE race4_16 = 999. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 1) race4_16 = 2. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 2) race4_16 = 3. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 3 or SC_RACE_R = 4 or SC_RACE_R = 5 or SC_RACE_R = 6 or SC_RACE_R = 7) race4_16 = 4. IF (SC_HISPANIC_R = 1) race4_16 = 1. IF (SYSMIS(SC_HISPANIC_R)) or (SYSMIS(SC_RACE_R = 1)) race4_16 = 99. VARIABLE LABELS race4_16 "Race/ethnicity categories". VALUE LABELS race4_16 1 "Hispanic" 2 "White, non-Hispanic" 3 "Black, non-Hispanic" </pre>	

#### Indicator and Subgroup Variables - Subgroups

```
4 "Other/Multi-racial, non-Hispanic"  
99 "Missing to Hispanic or Race or both".  
MISSING VALUES race4_16 (99).  
FORMATS race4_16 (f4.0).  
EXECUTE.
```

<b>Race and ethnicity distribution of the child population including Asian data</b>	
<b>Description</b>	What is this child's race/ethnicity?
<b>Survey Items Used</b>	Screener Questionnaire item number: 1,2 Variable in public use data file: SC_HISPANIC_R; SC_RACE_R
<b>Denominator</b>	Children ages 0-17 years
<b>Numerator</b>	Hispanic; White, non-Hispanic; Black, non-Hispanic; Asian, non-Hispanic; other, non-Hispanic
<b>Notes for Data-Users</b>	
<p>The questions about child's Hispanic origin and race were asked in the initial screening questionnaire. Responses to the question asks about the child's race are combined into SC_RACE_R and Hispanic, Latino or Spanish origin is included as SC_HISPANIC_R. Hispanic origin and race information for the selected sample child was provided in the "Topical" public use file provided by the Census Bureau. For raceAsia_16, children reporting Hispanic or Latino ethnicity (SC_HISPANIC_R=1) are counted as Hispanic regardless of reported race in SC_RACE_R. Non-Hispanic children (SC_HISPANIC_R=2) are grouped by race based on SC_RACE_R. Non-Hispanic children reporting only one race category of American Indian or Alaska Native, Native Hawaiian or other Pacific Islander, some other race are grouped as "Other, non-Hispanic" because of small sample sizes in many states. Non-Hispanic children who reported more than one race are categorized as "Other, non-Hispanic".</p> <p>Hispanic origin had 0.57% missing cases and race had 0.32% missing values. The 2016 NSCH public use data file provided by the Census Bureau includes values of single imputation for these missing cases in the variables SC_HISPANIC_R and SC_RACE_R.</p>	
<b>Revisions in 2016</b>	
<p>The 2016 asked child's age for all children in the household in the initial screening questionnaire. In the 2016 NSCH, detailed race categories for Asian were included in response options: Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian. Additional specific race categories for Pacific Islander such as Guamanian or Chamorro and Samoan were included in the 2016 NSCH. These data are not released in the public use file.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SAS Syntax and Annotation</b>	
<pre> COMPUTE raceASIA_16 = 999. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 1) raceASIA_16 = 2. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 2) raceASIA_16 = 3. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 4) raceASIA_16 = 4. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 3 or SC_RACE_R = 5 or SC_RACE_R = 6 or SC_RACE_R = 7) raceASIA_16 = 5. IF (SC_HISPANIC_R = 1) raceASIA_16 = 1. IF (SYSMIS(SC_HISPANIC_R)) or (SYSMIS(SC_RACE_R = 1)) raceASIA_16 = 99. VARIABLE LABELS raceASIA_16 "Race/ethnicity categories". VALUE LABELS raceASIA_16 1 "Hispanic" </pre>	

#### Indicator and Subgroup Variables - Subgroups

```
2 "White, non-Hispanic"  
3 "Black, non-Hispanic"  
4 "Asian, non-Hispanic"  
5 "Other/Multi-racial, non-Hispanic"  
99 "Missing to Hispanic or Race or both".  
MISSING VALUES raceASIA_16 (99).  
FORMATS raceASIA_16 (f4.0).  
EXECUTE.
```

<b>Parental nativity</b>	
<b>Description</b>	What is the parent(s) generational status of this child?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: H1,J4; for children 6-11 years: H1,J4; for children 12-17 years: H1,J4 Variable in public use data file: HOUSE_GEN
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	All parents born in the US (3rd or higher generation HH); Any parent born outside of the US (1st and 2nd generation HH); Other (child born in United States, parents are not listed)
<b>Notes for Data-Users</b>	
<p>This variable was derived using HOUSE_GEN variable in the public use file provided by Census Bureau. The variable HOUSE_GEN classifies the generational status of the household. This variable is defined following the Census definition of household generational status: (1) First generation household: child born abroad, no parent in the household born in the US; (2) Second generation household: at least one parent in the household born abroad, child born in US or child born abroad, one parent in the household born in US and another parent in the household born abroad; (3) Third-or-higher generation household: All parents in the household born in US, place of child's birth irrelevant; and (4) Child is born in US, not parents are listed.</p> <p>Parental nativity was defined based on 3 questions: relationship to the child from 2 adults in the household who are the child's primary caregivers (A#_RELATIONSHIP), place where the adult(s) was(were) born (A#BORN), and whether the child was born in US (BORNUSA). Children's parent includes biological or adoptive, step or foster parents.</p>	
<b>Revisions in 2016</b>	
<p>In the 2016 NSCH, questions about relationship to the child and place where the adult born were asked from two adults in the household who are the child's primary caregivers. Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE HOUSE_GEN (1 thru 2=2) (3=1) (4=3) (SYSMIS=99) into PrntNativity_16. VARIABLE LABELS PrntNativity_16 "Generational status of the parents - collapsed 1st and 2nd generational status of HH". VALUE LABELS PrntNativity_16 1 "All parents born in the US (3rd or higher generation HH)" 2 "Any parent born outside of the US (1st and 2nd generation HH)" 3 "Other (child born in United States, parents are not listed)" 99 "Missing". MISSING VALUES PrntNativity_16(99). EXECUTE. </pre>	

Primary household language	
Description	What is the primary language spoken in home?
Survey Items Used	Screener Questionnaire item number (household section): 3 Variable in public use data file: HHLANGUAGE
Denominator	Children age 0-17 years
Numerator	Children whose primary language spoken in the household is English; Children whose primary language spoken in the household is other than English
<b>Notes for Data-Users</b>	
The question was asked in the initial screening questionnaire. The primary language spoken in the household for the selected sample child was provided in the "Topical" public use file (HHLANGUAGE).	
<b>Revisions in 2016</b>	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE HHLANGUAGE (1=1) (2 thru 3=2) (SYSMIS=99)into HHLanguage_16. VARIABLE LABELS HHLanguage_16 "Primary household language spoken in the household". VALUE LABELS HHLanguage_16 1 "English" 2 "Other than English" 99 "Missing". MISSING VALUES HHLanguage_16(99). FORMATS HHLanguage_16(f4.0). EXECUTE. </pre>	

Primary household language for Hispanic children	
Description	What is the primary language spoken in home for Hispanic children?
Survey Items Used	Screener Questionnaire item number: 1,2; 3 (household section) Variable in public use data file: SC_HISPANIC_R; SC_RACE_R; HHLANGUAGE
Denominator	Children age 0-17
Numerator	Hispanic children from a primarily non-English speaking home; Hispanic children from a primarily English speaking home; Non-Hispanic children
<b>Notes for Data-Users</b>	
This measure is based on the assumption that Spanish is the household language for Hispanic children living in non-English language households. Although this may not be true in every case, results from the 2016 NSCH indicate that it is a viable proxy. According to survey respondents, 41.3% of Hispanic children ages 0-17 years in the U.S lived in households where the primary language was not English.	
<b>Revisions in 2016</b>	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SAS Syntax and Annotation</b>	
<pre> COMPUTE hisplang_16 = 999. IF (SC_HISPANIC_R= 1) and (HHLANGUAGE = 2 or (HHLANGUAGE = 3)) hisplang_16 = 1. IF (SC_HISPANIC_R = 1) and (HHLANGUAGE = 1) hisplang_16 = 2. IF SC_HISPANIC_R = 2 hisplang_16 = 3. IF (SYSMIS(HHLANGUAGE)) or (SYSMIS(SC_HISPANIC_R)) hisplang_16 = 99. VARIABLE LABELS hisplang_16 "Primary household language parsed to Hispanic and non-Hispanic". VALUE LABELS hisplang_16 1 "Hispanic children, non-English PHH language" 2 "Hispanic children, English PHH language" 3 "Non-Hispanic child" 99 "Missing to any". MISSING VALUES hisplang_16 (99). FORMATS hisplang_16 (f4.0). </pre>	

<b>Family structure of child's household</b>	
<b>Description</b>	What is the family structure that this child lives in?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: J1, J7; for children 6-11 years: J1, J7; for children 12-17 years J1, J7 Variable name in public use data file: FAMILY
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Two parents (both biological or adoptive, or one not biological or adoptive), currently married; Two parents (both biological or adoptive, or one not biological or adoptive), not currently married; Single mother (currently married (living apart), formerly married or never married); Other family type, no parent reported
<b>Notes for Data-Users</b>	
The composite measure of family structure, FAMILY, was created by the Census Bureau for the 2016 NSCH public use data file. Family type is characterized by number of parents or parent figures present in the household (one, two or other family type), the relationships of parents or other adults in the household (biological/adoptive parents, step-parents, or other family structure) and their marital status.   A "Family structure" refers to parents living in the household. Parents were identified if the reported adult(s) is(are) biological/adoptive or step parent(s). Households identified as having same sex two mothers or fathers of the same type (biological/adoptive or step) were categorized to the appropriate two parent family. Single mother type was identified if the second adult response is "There is only one primary adult caregiver for this child" (A2_RELATION = 8) and first adult is female (A1_SEX = 2) currently (living apart), formerly married or never married.	
<b>Revisions in 2016</b>	
Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE FAMILY (1=1) (2=2) (3=1) (4=2) (5 thru 6=3) (7 thru 9=4) (SYSMIS=99) into famstruct_16. VARIABLE LABELS famstruct_16 "Family structure". VALUE LABELS famstruct_16 1 "Two parents, currently married" 2 "Two parents, not currently married" 3 "Single mother (currently married (living apart), formerly married or never married)" 4 "Other family type, no parent reported" 99 "Missing". MISSING VALUES famstruct_16(99). FORMATS famstruct_16 (F4.0). </pre>	

Income level of child's household	
Description	What is the income level (federal poverty level, FPL) of the household that this child lives in?
Survey Items Used	Survey instrument item number for children 0-5 years: K1-K4; for children 6-11 years:K1-K4; for children 12-17 years: K1-K4 Variable in public use data file: FPL
Denominator	Children age 0-17 years
Numerator	0-99% FPL; 100-199% FPL; 200-399% FPL; 400% FPL or more
<b>Notes for Data-Users</b>	
<p>Household income and household size variables were multiply imputed and these variables were combined to derive the child's household poverty level (Federal Poverty Level, FPL). The FPL variable had 18.56% missing values which may result in biased estimates. The impact of missing values on population count estimates is available on the <a href="#">DRC website</a>. The 2016 NSCH public data file provided by the Census Bureau includes the derived poverty level variable FPL which includes values of the first imputation from six imputations.</p> <p>The income level variable povlev4_16 in the DRC 2016 NSCH Indicator Dataset was generated using a single imputation value from the 2016 NSCH imputed data file. Please note that poverty level estimates and confidence intervals based on a single imputed income may differ slightly from those obtained using multiple imputation methods. A data file and documentation containing all six imputation for the FPL variable is available on the United States Census Bureau website: <a href="https://census.gov/programs-surveys/nsch.html">https://census.gov/programs-surveys/nsch.html</a></p>	
<b>Revisions in 2016</b>	
<p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE FPL (0 thru 99=1) (100 thru 199=2) (200 thru 399=3) (400 thru HIGHEST=4) into povlev4_16. VARIABLE LABELS povlev4_16 "Poverty level of this household based on DHHS guidelines - Imputed". VALUE LABELS povlev4_16 1 "0-99% FPL" 2 "100-199% FPL" 3 "200-399% FPL" 4 "400% FPL or greater". FORMATS povlev4_16 (F4.0). </pre>	

Income level of child's household - SCHIP groupings	
Description	What is the income level (federal poverty level, FPL) of the household that this child lives in based on the State Children's Health Insurance Program (SCHIP) income groups?
Survey Items Used	Survey instrument item number for children 0-5 years: K1-K4; for children 6-11 years:K1-K4; for children 12-17 years: K1-K4 Variable in public use data file: FPL
Denominator	Children age 0-17 years
Numerator	0-199% FPL; 200-299% FPL; 300-399% FPL; 400% FPL or more
<b>Notes for Data-Users</b>	
<p>Household income and household size variables were multiply imputed and these variables were combined to derive the child's household poverty level (Federal Poverty Level, FPL). The FPL variable had 18.56% missing values which may result in biased estimates. The impact of missing values on population count estimates is available on the <a href="#">DRC website</a>. The 2016 NSCH public data file provided by the Census Bureau includes the derived poverty level variable FPL which includes values of the first imputation from six implications.</p> <p>The income level variable povSchip_16 in the DRC 2016 NSCH Indicator Dataset was generated using a single imputation value from the 2016 NSCH imputed data file. Please note that poverty level estimates and confidence intervals based on a single imputed income may differ slightly from those obtained using multiple imputation methods. A data file and documentation containing all six imputation for the FPL variable is available on the United States Census Bureau website: <a href="https://census.gov/programs-surveys/nsch.html">https://census.gov/programs-surveys/nsch.html</a></p>	
<b>Revisions in 2016</b>	
<p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE FPL (0 thru 199=1) (200 thru 299=2) (300 thru 399=3) (400 thru HIGHEST=4) into povSCHIP_16. VARIABLE LABELS povSCHIP_16 "Poverty level of this household based on DHHS guidelines - Imputed recoded into 4 categories based on SCHIP qualification". VALUE LABELS povSCHIP_16 1 "0-199% FPL" 2 "200-299% FPL" 3 "300-399% FPL" 4 "400% FPL or greater". FORMATS povSCHIP_16 (F4.0). </pre>	

<b>Highest education of adult in household</b>	
<b>Description</b>	What is the highest education of adult in this child's household?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: J16; for children 6-11 years: J16; for children 12-17 years: J16 Variable in public use data file: HIGRADE_TVVIS
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Less than high school education; High school or GED; Some college or technical school; College degree or higher
<b>Notes for Data-Users</b>	
The highest education level reported by Adult 1 and Adult 2 (if any) who are identified as the child's primary care giver was considered for this measure.	
<b>Revisions in 2016</b>	
The 2011/12 asked the highest education level of parents first and then non-parent respondent if the respondent is not the child's mother or father. Highest education level of 2 adults (if any) in the household who are the child's primary caregiver(s) were asked in the 2016 NSCH.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SAS Syntax and Annotation</b>	
<pre> RECODE HIGRADE_TVVIS (SYSMIS=99) (else=copy) into AdultEduc_16. VARIABLE LABELS AdultEduc_16 "Highest level of education among reported adults". VALUE LABELS AdultEduc_16 1 "Less than high school" 2 "High school or GED" 3 "Some college or technical school" 4 "College degree or higher" 99 "Missing". MISSING VALUES AdultEduc_16(99). FORMATS AdultEduc_16(f4.0). EXECUTE. </pre>	

## **Title V Block Grant Measures:**

---

### **National Preformance and Outcome Measures**



## National Performance Measures

NPM 6	Developmental screening, age 9-35 months
Description	Percent of children, ages 9 through 35 months, who received a developmental screening using a parent-completed screening tool in the past year
Survey Items Used	Survey instrument item number for children 0-5 years: C8 Variable name in public use data file: K6Q12; K6Q13A; K6Q13B; K6Q14A; K6Q14B
Denominator	Children, ages 9 through 35 months
Numerator	Children, ages 9 through 35 months (2 years), whose parents completed a Standardized Developmental Screening tool in the past year
<b>Notes for Data-Users</b>	
<p>The AAP recommends that all children should be screened for developmental delays during their regular well-check visits at 9, 18, and 24 or 30 months. The measure uses age-appropriate questions to verify whether young children received developmental, behavioral and social screening using a parent-reported, standardized screening tool or instrument.</p> <p>Parents of children between 9 months and 5 years old were asked the question: "During the past 12 months, did a doctor or other health care provider have you or another caregiver fill out a questionnaire about specific concerns or observations you may have about this child's development, communication, or social behaviors?" (K6Q12). If the response to K6Q12 was "Yes", parents were asked if the questionnaire covered language or social development (K6Q13 and K6Q13A, respectively, for ages 9-23 months, and K6Q14A and K6Q14B for ages 2-5 years).</p>	
<b>Rewrites in 2016</b>	
<p>In the 2011/12 NSCH, developmental screening questions were asked among children 10 months to 71 months (5 years) who received one or more types of services: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES&gt;0). In the 2016 NSCH, these questions were asked among children 9-71 months. However, the denominator of this measure changed to all children 9-35 months to align with the AAP recommendation. For more information on the changes, <a href="#">click here</a>. The measure is considered missing if both types of contents are missing.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE both_9to23 = 999. IF K6Q13A = 2 or K6Q13B = 2 both_9to23 = 2. IF (K6Q13A = 1 or (SYSMIS(K6Q13A))) and (K6Q13B = 1 or (SYSMIS(K6Q13B))) both_9to23 = 1. IF (SYSMIS(K6Q13A)) and (SYSMIS(K6Q13B)) both_9to23= 99. IF K6Q12 = 2 both_9to23 = 2. IF SC_AGE_LT9 = 1 both_9to23= 95. IF SC_AGE_YEARS &gt; 1 and SC_AGE_YEARS &lt; 6 both_9to23 = 95. IF SC_AGE_YEARS &gt; 5 both_9to23= 90. </pre>	

Title V Block Grant Measures - National Performance Measures

```
VARIABLE LABELS both_9to23 "Yes/screening occurred group -- ages 9-23 months".
VALUE LABELS both_9to23
1 "Yes to both types or Yes to one and Missing to another type of content"
2 "No to at least one type of content"
99 "Missing to both types of content"
95 "Children age 0-8 months or 2-5 years"
90 "Children age 6-17 years".
EXECUTE.

COMPUTE both_24to35 = 999.
IF K6Q14A=2 or K6Q14B=2 both_24to35 = 2.
IF (K6Q14A = 1 or (SYSMIS(K6Q14A))) and (K6Q14B = 1 or (SYSMIS(K6Q14B))) both_24to35 = 1.
IF (SYSMIS(K6Q14A)) and (SYSMIS(K6Q14B)) both_24to35 = 99.
IF K6Q12 = 2 both_24to35 = 2.
IF SC_AGE_YEARS > 5 both_24to35 = 90.
IF SC_AGE_YEARS < 2 or (SC_AGE_YEARS>2 and SC_AGE_YEARS<6) both_24to35 = 95.
VARIABLE LABELS both_24to35 "Yes/screening occurred group -- ages 24-35 months".
VALUE LABELS both_24to35
1 "Yes to both types or Yes to one and Missing to another type of content"
2 "No to at least one type of content"
99 "Missing to both types of content"
95 "Children age 0-1 or 3-5 years"
90 "Children age 6-17 years".
EXECUTE.

COMPUTE DevScrnng_16 = 999.
IF both_9to23 = 1 or both_24to35 = 1 DevScrnng_16 = 1.
IF K6Q12 = 2 DevScrnng_16 = 2.
IF both_9to23 = 2 or both_24to35 = 2 DevScrnng_16 = 2.
IF both_9to23 = 99 or both_24to35 = 99 DevScrnng_16 = 99.
IF (SYSMIS(K6Q12)) DevScrnng_16 = 99.
IF SC_AGE_LT9 = 1 or (SC_AGE_YEARS>2 and SC_AGE_YEARS<6) DevScrnng_16 = 95.
IF SC_AGE_YEARS > 5 DevScrnng_16 = 90.
VARIABLE LABELS DevScrnng_16 "Indicator 4.10: Children who received a developmental screening
using a parent-completed screening tool, age 9-35 months".
VALUE LABELS DevScrnng_16
1 "Parent completed developmental screening"
2 "Parent did not complete developmental screening"
99 "Missing"
90 "Children age 6-17 years"
95 "Children age 0-8 months or 3-5 years".
MISSING VALUES DevScrnng_16(90,95,99).
EXECUTE.

*** National Performance Measure 6: Percent of children, ages 9 through 35 months, who received a
developmental screening using a parent-completed screening tool in the past year

RECODE DevScrnng_16
(else=copy) into npm6DSc_16.
VARIABLE LABELS npm6DSc_16 "National Performance Measure 6: Percent of children, ages 9 through
35 months, who received a developmental screening using a parent-completed screening tool in the past
year".
VALUE LABELS npm6DSc_16
```

**Title V Block Grant Measures - National Performance Measures**

1 "Parent completed developmental screening"  
2 "Parent did not complete developmental screening"  
99 "Missing"  
90 "Children age 6-17 years"  
95 "Children age 0-8 months or 3-5 years".  
MISSING VALUES npm6DSc\_16(90,95,99).  
FORMATS npm6DSc\_16(f4.0).  
EXECUTE.

NPM 8.1	Physical activity, age 6-11 years
Description	Percent of children, ages 6 through 11, who are physically active at least 60 minutes per day
Survey Items Used	Survey instrument item number for children 6-11 years: G6 Variable name in public use data file: PHYSACTIV
Denominator	Children, ages 6 through 11
Numerator	Children, ages 6 through 11, who are reported by their parents to be physically active at least 60 minutes per day in the past week
<b>Notes for Data-Users</b>	
This survey question was asked among children 6-17 years of age. However, the DRC provides two separate physical activity measures based on children's age group (6-11 years and 12-17 years).	
<b>Revisions in 2016</b>	
The content of this measure significantly changed. In the 2011/12 NSCH, parents were asked if a child regularly completed 20 minutes of physical activity per day. The 2016 NSCH asked if a child regularly completes 60 minutes of physical activity per day, reflecting the National Performance Measure #8. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. For more information on content changes, <a href="#">click here</a> .  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE PHYSACTIV (SYSMIS=99) (else=copy) into PhysAct_16. IF SC_AGE_YEARS &lt; 6 PhysAct_16 = 90. VARIABLE LABELS PhysAct_16 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_16 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_16(90,99). FORMATS PhysAct_16(f2.0). EXECUTE.  *** National Performance Measure 8.1: Percent of children, ages 6 through 11, who are physically active at least 60 minutes per day  RECODE PhysAct_16 </pre>	

Title V Block Grant Measures - National Performance Measures

```
(1 thru 2=1) (3=2) (4=3) (else=copy) into npm8PhAc6to11_16.  
IF SC_AGE_YEARS < 6 npm8PhAc6to11_16 = 90.  
IF SC_AGE_YEARS > 11 npm8PhAc6to11_16 = 95.  
VARIABLE LABELS npm8PhAc6to11_16 "National Performance Measure 8.1: Percent of children, ages 6  
through 11, who are physically active at least 60 minutes per day".  
VALUE LABELS npm8PhAc6to11_16  
1 "0-3 days"  
2 "4-6 days"  
3 "Everyday"  
99 "Missing"  
90 "Children age 0-5 years"  
95 "Children age 12-17 years".  
MISSING VALUES npm8PhAc6to11_16(90,95,99).  
FORMATS npm8PhAc6to11_16(f2.0).  
EXECUTE.
```

NPM 8.2	Physical activity, age 12-17 years
Description	Percent of adolescents, ages 12 through 17, who are physically active at least 60 minutes per day
Survey Items Used	Survey instrument item number for children 12-17 years: G6 Variable name in public use data file: PHYSACTIV
Denominator	Adolescents, ages 12 through 17
Numerator	Adolescents, ages 12 through 17, who are reported by their parents to be physically active at least 60 minutes per day in the past week
<b>Notes for Data-Users</b>	
This survey question was asked among children 6-17 years of age. However, the DRC provides two separate physical activity measures based on children's age group (6-11 years and 12-17 years).	
<b>Revisions in 2016</b>	
The content of this measure significantly changed. In the 2011 NSCH, parents were asked if a child regularly completed 20 minutes of physical activity per day. The 2016 NSCH asked if a child regularly completes 60 minutes of physical activity per day, reflecting the National Performance Measure #8. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. For more information on content changes, <a href="#">click here</a> .  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE PHYSACTIV (SYSMIS=99) (else=copy) into PhysAct_16. IF SC_AGE_YEARS &lt; 6 PhysAct_16 = 90. VARIABLE LABELS PhysAct_16 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_16 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_16(90,99). FORMATS PhysAct_16(f2.0). EXECUTE. </pre> <p>***National Performance Measure 8.2: Percent of adolescents, age 12-17 years, who are physically active at least 60 minutes per day</p>	

```
RECODE PhysAct_16  
(else=copy) into npm8PhAc12to17_16.  
IF SC_AGE_YEARS < 6 npm8PhAc12to17_16 = 90.  
IF SC_AGE_YEARS > 5 and SC_AGE_YEARS < 12 npm8PhAc12to17_16 = 95.  
VARIABLE LABELS npm8PhAc12to17_16 "National Performance Measure 8.2: Percent of adolescents,  
age 12-17 years, who are physically active at least 60 minutes per day".  
VALUE LABELS npm8PhAc12to17_16  
1 "0 days"  
2 "1-3 days"  
3 "4-6 days"  
4 "Everyday"  
99 "Missing"  
90 "Children age 0-5 years"  
95 "Children age 6-11 years".  
MISSING VALUES npm8PhAc12to17_16(90,95,99).  
FORMATS npm8PhAc12to17_16(f2.0).  
EXECUTE.
```

NPM 9	Bully others, age 12-17 years
Description	Percent of adolescents, ages 12 through 17, who bully others
Survey Items Used	Survey instrument item number for children 12-17 years: A3g Variable name in public use data file: K7Q71_R
Denominator	Adolescents, ages 12 through 17
Numerator	Adolescents, ages 12 through 17, who are reported by a parent/guardian to bully others
Notes for Data-Users	This survey question asked, "How well does this phrase describe this child: 'child bullies others, picks on them, or excludes them?'". The numerator for this measure is defined by combining "definitely true" or "somewhat true" responses.
Revisions in 2016	Response options changed from "Never, Rarely, Sometimes, Usually, or Always true" to "Definitely true, Somewhat true, or Not true. Reference to the "past month" was not included in the 2016 NSCH. For more information about the content changes, <a href="#">click here</a> .  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.
SPSS Syntax and Annotation	<pre> RECODE K7Q71_R (1 thru 2=1) (3=2) (SYSMIS=99) into bully_16. IF SC_AGE_YEARS &lt; 6 bully_16 = 90. VARIABLE LABELS bully_16 "Indicator 2.1: Children bully others, pick on them or exclude them, age 6-17 years". VALUE LABELS bully_16 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bully_16(90,99). EXECUTE.  *** National Performance Measure 9: Percent of adolescents, age 12-17 years, who bully others  RECODE bully_16 (else=copy) into npm9bully_16. IF SC_AGE_YEARS &lt; 6 npm9bully_16 = 90. IF SC_AGE_YEARS &gt; 5 and SC_AGE_YEARS &lt; 12 npm9bully_16 = 95. VARIABLE LABELS npm9bully_16 "National Performance Measure 9: Percent of adolescents, age 12-17 years, who bully others". VALUE LABELS npm9bully_16 </pre>

Title V Block Grant Measures - National Performance Measures

```
1 "Definitely or somewhat true"  
2 "Not true"  
99 "Missing"  
90 "Children age 0-5 years"  
95 "Children age 6-11 years".  
MISSING VALUES npm9bully_16(90,95,99).  
FORMATS npm9bully_16(f4.0).  
EXECUTE.
```

NPM 9	Bullied, age 12-17 years
Description	Percent of adolescents, ages 12 through 17, who are bullied
Survey Items Used	Survey instrument item number for children 12-17 years: A3g Variable name in public use data file: BULLIED
Denominator	Adolescents, ages 12 through 17
Numerator	Adolescents, ages 12 through 17, who are reported by a parent/guardian to be bullied
<b>Notes for Data-Users</b>	
The survey question asked, "How well does this phrase describe this child: 'this child is bullied, picked on, or excluded by other children?'". The numerator was defined by combining "definitely true" or "somewhat true" responses.	
<b>Revisions in 2016</b>	
The 2011/12 NSCH and 2009/10 NS-CSHCN only asked about children who bully others. The 2016 NSCH asked if a child "is bullied, picked on, or excluded by other children". For more information on the content changes <a href="#">click here</a> .	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE BULLIED (1 thru 2=1) (3=2) (SYSMIS=99) into bullied_16. IF SC_AGE_YEARS &lt; 6 bullied_16 = 90. VARIABLE LABELS bullied_16 "Indicator 2.2: Children who are bullied, picked on, or excluded by other children, age 6-17 years". VALUE LABELS bullied_16 1 "Definitely or somewhat true" 2 "Not true" 3 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bullied_16(90,99). EXECUTE.  *** National Performance Measure 9: Percent of adolescents, age 12-17 years, who are bullied RECODE bullied_16 (1 thru 2 = 1) (3=2) (else=copy) into npm9bullied_16. IF SC_AGE_YEARS &lt; 6 npm9bullied_16 = 90. IF SC_AGE_YEARS &gt; 5 and SC_AGE_YEARS &lt; 12 npm9bullied_16 = 95. VARIABLE LABELS npm9bullied_16 "National Performance Measure 9: Percent of adolescents, age 12-17 years, who are bullied". VALUE LABELS npm9bullied_16 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years" </pre>	

**Title V Block Grant Measures - National Performance Measures**

```
95 "Children age 6-11 years".  
MISSING VALUES npm9bullied_16(90,95,99).  
FORMATS npm9bullied_16(f4.0).  
EXECUTE.
```

NPM 10	Preventive medical visit, age 12-17 years
Description	Percent of adolescents, ages 12 through 17, with a preventive medical visit in the past year
Survey Items Used	Survey instrument item number for children 0-5 years: C2;C1; for children 6-11 years: C2;C1; for children 12-17 years: C2;C1 Variable name in public use data file: S4Q01; K4Q20R
Denominator	Adolescents, ages 12 through 17
Numerator	Adolescents, ages 12-17 years, with a preventive medical visit in the past year
<b>Notes for Data-Users</b>	
This survey question asked, "During the past 12 months, how many times did this child visit a doctor, nurse, or other health care professional to receive a preventive check-up? A preventive check-up occurs when this child was not sick or injured, such as an annual or sports physical, or well-child visit."	
<b>Rewritten in 2016</b>	
Responses were reported as a continuous number in the 2011/12 NSCH, and were reported categorically (No visit, 1 visit or 2 or more visits) in the 2016 NSCH. The content of this measure is similar to 2011/12 NSCH; there were changes to the wording of the question. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrevMed_16 = 999. IF K4Q20R=2 or K4Q20R = 3 PrevMed_16 = 1. IF K4Q20R = 1 PrevMed_16 = 2. IF (SYSMIS(K4Q20R)) PrevMed_16 = 99. IF S4Q01 = 2 PrevMed_16 = 2. IF (SYSMIS(S4Q01)) PrevMed_16 = 99. VARIABLE LABELS PrevMed_16 "Indicator 4.1a: Children who had one or more preventive medical care visits during past 12 months". VALUE LABELS PrevMed_16 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing". MISSING VALUES PrevMed_16(99). FORMATS PrevMed_16(f2.0). EXECUTE. </pre> <p>*** National Performance Measure 10: Percent of adolescents, age 12-17 years, with a preventive medical visit in the past year</p> <p>RECODE PrevMed_16</p>	

Title V Block Grant Measures - National Performance Measures

```
(else=copy) into npm10PrVi_16.  
IF SC_AGE_YEARS < 12 npm10PrVi_16 = 95.  
VARIABLE LABELS npm10PrVi_16 "National Performance Measure 10: Percent of adolescents, age 12-17  
years, with a preventive medical visit in the past year".  
VALUE LABELS npm10PrVi_16  
1 "One or more preventive visits"  
2 "No preventive care visits"  
99 "Missing"  
95 "Children age 0-11 years".  
MISSING VALUES npm10PrVi_16(95,99).  
FORMATS npm10PrVi_16(f2.0).  
EXECUTE.
```

NPM 11	Medical home, children with special health care needs
Description	Percent of children with special health care needs, ages 0 through 17, who have a medical home
Survey Items Used	Survey instrument item number for children 0-5 years: C9,C10, D1-4, D7-12; for children 6-11 years: C7,C8, D1-4, D7-12; for children 12-17 years: C8,C9, D1-4, D7-12 Variable name in public use data file: K4Q01; K4Q02_R; K4Q04; K5Q10; K5Q11; K5Q40; K5Q41; K5Q42; K5Q43; K5Q44; K5Q20_R; K5Q21; K5Q22; K5Q30; K5Q31_R; K5Q32
Denominator	Children with special health care needs, ages 0 through 17
Numerator	Children with special health care needs, ages 0 through 17, who meet the criteria for having a medical home (personal doctor or nurse, usual source for care, and family-centered care; referrals or care coordination if needed)
<b>Notes for Data-Users</b>	
<p>The American Academy of Pediatrics specifies seven qualities essential to medical home care: accessible, family-centered, continuous, comprehensive, coordinated, compassionate and culturally effective care. Ideally, medical home care is delivered within the context of a trusting and collaborative relationship between the child's family and a competent health professional who is familiar with the child and family and the child's health history.</p> <p>In the 2016 NSCH, the presence of a medical home was measured by a composite measure based on five components constructed from a total of 14 survey items. These components are:</p> <ul style="list-style-type: none"> <li>- Personal doctor or nurse</li> <li>- Usual source for sick and well care</li> <li>- Family-centered care</li> <li>- Problems getting needed referrals</li> <li>- Effective Care Coordination when needed.</li> </ul> <p>To qualify as having a Medical Home, children must meet the criteria for adequate care on the first three components: personal doctor or nurse, usual source for care, and family-centered care. Additionally, any children who needed referrals or care coordination must also meet criteria for those components in order to qualify as having a medical home. Children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home.</p> <p>Further information about the Medical Home concept and measurement is available on the <a href="#">Data Resource Center Medical Home portal</a>. The medical <a href="#">home manual</a> developed by the CAHMI is available on the DRC website.</p>	
<b>Revisions in 2016</b>	
<p>There are a few changes to the Medical Home composite measure compared to the 2011/12 NSCH:</p> <p>(1) Usual source for care subcomponent: Even though the 2016 NSCH now asks about a usual source for preventive care, this subcomponent still only includes the usual source for sick care item. Additionally, in the 2016 NSCH, the response options for the follow up item about the type of places child usually goes for sick care do not include "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".</p> <p>(2) Care coordination subcomponent: In the 2011/12 NSCH, the care coordination component was</p>	

measured among all children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care (NUMB\_SERVICES>1). In the 2016 NSCH, the number of children who needed care coordination was defined based on the parent's response to the question: "Does anyone helped you to arrange or coordinate care among different doctors or services that this child uses?". If the parent responded, "Did not see more than one health care provider in past 12 months" to the question (K5Q20\_R ), it was assumed the child did not need care coordination.

(3) In the 2011/12 NSCH, when any component of medical home was missing, the entire composite medical home measure was considered missing. In the NSCH 2016, the composite medical home measure is only considered missing if all components are missing. Therefore, children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home. For more information on content changes, [click here](#).

<br>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

## SPSS Syntax and Annotation

\*\*Indicator 4.12a: Medical Home Component: Personal doctor or nurse

```
COMPUTE PerDrNs_16 = 999.
IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_16 = 1.
IF K4Q04_R = 3 PerDrNs_16 = 2.
IF (SYSMIS(K4Q04_R)) PerDrNs_16 = 99.
VARIABLE LABELS PerDrNs_16 "Indicator 4.12a: Medical Home Component: Children with a personal
doctor or nurse".
VALUE LABELS PerDrNs_16
1 "Have at least one personal doctor or nurse"
2 "Do not have a personal doctor or nurse"
99 "Missing".
MISSING VALUES PerDrNs_16(99).
FORMATS PerDrNs_16(f4.0).
```

\*\*Indicator 4.12b: Medical Home Component: Usual source for sick care

```
COMPUTE UsualSck_16 = 999.
IF (SYSMIS(K4Q01)) or (SYSMIS(K4Q02_R)) UsualSck_16 = 99.
IF K4Q01 = 1 and (K4Q02_R=1 or K4Q02_R=3 or K4Q02_R=4 or K4Q02_R=5 or K4Q02_R=6 or
K4Q02_R=7) UsualSck_16 = 1.
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_16 = 2.
VARIABLE LABELS UsualSck_16 "Usual sources for sick care".
VALUE LABELS UsualSck_16
1 "Have usual sources for sick care"
2 "Do not have usual sources for sick care"
99 "Missing".
```

\*\*\*Indicator 4.12c: Medical Home Component: Family-centered care

```
COMPUTE time_16 = 999.
IF (SYSMIS(K5Q40)) time_16 = 99.
IF S4Q01 = 2 time_16 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_16 = 3.
IF K5Q40 = 2 time_16 = 2.
```

```

IF K5Q40 = 1 time_16 = 1.
VARIABLE LABELS time_16 "Doctors spent enough time with children".
VALUE LABELS time_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES time_16(99).

COMPUTE listen_16 = 999.
IF (SYSMIS(K5Q41)) listen_16 = 99.
IF S4Q01 = 2 listen_16 = 0.
IF K5Q41 = 3 or K5Q41 = 4 listen_16 = 3.
IF K5Q41 = 2 listen_16 = 2.
IF K5Q41 = 1 listen_16 = 1.
VARIABLE LABELS listen_16 "Doctors listened carefully to children's parents".
VALUE LABELS listen_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES listen_16(99).

COMPUTE sensitiv_16 = 999.
IF (SYSMIS(K5Q42)) sensitiv_16 = 99.
IF S4Q01 = 2 sensitiv_16 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_16 = 3.
IF K5Q42 = 2 sensitiv_16 = 2.
IF K5Q42 = 1 sensitiv_16 = 1.
VARIABLE LABELS sensitiv_16 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".
MISSING VALUES sensitiv_16(99).

COMPUTE info_16 = 999.
IF (SYSMIS(K5Q43)) info_16 = 99.
IF S4Q01 = 2 info_16 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_16 = 3.
IF K5Q43 = 2 info_16 = 2.
IF K5Q43 = 1 info_16 = 1.
VARIABLE LABELS info_16 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_16
0 "Did not have a health care visit in the past 12 months"
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing".

```

MISSING VALUES info\_16(99).

COMPUTE partner\_16 = 999.

IF (SYSMIS(K5Q44)) partner\_16 = 99.

IF S4Q01 = 2 partner\_16 = 0.

IF K5Q44 = 3 or K5Q44 = 4 partner\_16 = 3.

IF K5Q44 = 2 partner\_16 = 2.

IF K5Q44 = 1 partner\_16 = 1.

VARIABLE LABELS partner\_16 "Doctors helped parents to feel like partners in child's care".

VALUE LABELS partner\_16

0 "Did not have a health care visit in the past 12 months"

1 "Always"

2 "Usually"

3 "Sometimes or never"

99 "Missing".

MISSING VALUES partner\_16(99).

MISSING VALUES time\_16 listen\_16 sensitiv\_16 info\_16 partner\_16().

COMPUTE FamCent\_16 = 999.

IF (time\_16 = 3 or time\_16=99) or (listen\_16 = 3 or listen\_16 =99) or (sensitiv\_16 = 3 or sensitiv\_16=99) or

(info\_16 = 3 or info\_16=99) or

(partner\_16 = 3 or partner\_16=99) FamCent\_16 = 2.

IF (time\_16=1 or time\_16=2 or time\_16=99) and (listen\_16=1 or listen\_16=2 or listen\_16=99) and  
(sensitiv\_16=1 or sensitiv\_16=2 or sensitiv\_16=99) and

(info\_16=1 or info\_16=2 or info\_16=99) and (partner\_16=1 or partner\_16=2 or partner\_16=99)

FamCent\_16 = 1.

IF time\_16 = 0 FamCent\_16 = 0.

IF time\_16 = 99 and listen\_16 = 99 and sensitiv\_16 = 99 and info\_16 = 99 and partner\_16 = 99  
FamCent\_16 = 99.

VARIABLE LABELS FamCent\_16 "Indicator 4.12c: Medical Home Component: Family-centered care".

VALUE LABELS FamCent\_16

0 "Did not have health care visit in the past 12 months"

1 "Received family-centered care"

2 "Did not receive family-centered care"

99 "Missing to any".

MISSING VALUES FamCent\_16(0,99).

\*\*\*Indicator 4.12d: Medical Home Component: Problems getting referrals, all children

COMPUTE NoRefPrb\_16 = 999.

IF (SYSMIS(K5Q10)) NoRefPrb\_16 = 99.

IF K5Q11 = 2 or K5Q11 = 3 NoRefPrb\_16 = 2.

IF K5Q11 = 1 NoRefPrb\_16 = 1.

IF (SYSMIS(K5Q11)) NoRefPrb\_16 = 99.

IF K5Q10 = 2 NoRefPrb\_16 = 0.

VARIABLE LABELS NoRefPrb\_16 "Indicator 4.12d: Medical Home Component: Problems getting needed  
referrals, all children".

VALUE LABELS NoRefPrb\_16

0 "Did not need referrals during the past 12 months"

1 "No problems getting referral, when needed"

2 "Had problems getting referrals, when needed"

99 "Missing".

MISSING VALUES NoRefPrb\_16(99).

```

COMPUTE DrComm_16 = 999.
IF (SYSMIS(K5Q30)) DrComm_16 = 99.
IF K5Q30 = 1 DrComm_16 = 1.
IF K5Q30 = 2 DrComm_16 = 2.
IF K5Q30 = 3 or K5Q30 = 4 DrComm_16 = 3.
IF K5Q20_R = 3 or S4Q01 = 2 DrComm_16 = 0.
VARIABLE LABELS DrComm_16 "Satisfaction with communication among child's doctor and other health care provider".
VALUE LABELS DrComm_16
0 "Did not see more than one health care provider"
1 "Very satisfied"
2 "Somewhat satisfied"
3 "Somewhat dissatisfied/Very dissatisfied"
99 "Missing".
MISSING VALUES DrComm_16().

```

\*\*Got all needed extra help with care coordination

```

COMPUTE CareHelp_16 = 999.
IF (SYSMIS(K5Q21)) or (SYSMIS(K5Q22)) CareHelp_16 = 99.
IF K5Q22 = 1 CareHelp_16 = 1.
IF K5Q22 = 2 or K5Q22 = 3 CareHelp_16 = 2.
IF (SYSMIS(K5Q20_R)) CareHelp_16 = 99.
IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_16 = 0.
IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_16 = 0.
IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_16 = 1.
IF (SYSMIS(S4Q01)) CareHelp_16 = 99.
VARIABLE LABELS CareHelp_16 "Got all needed extra help with care coordination when needed".
VALUE LABELS CareHelp_16
0 "Did not see more than one health care provider or did not get or need extra help"
2 "Needed extra help/did not get it"
1 "Got help with care coor and/or extra help when needed"
99 "Missing".

```

```

COMPUTE OthComm_16 = 999.
IF (SYSMIS(K5Q32)) OthComm_16 = 99.
IF (SYSMIS(K5Q31_R)) OthComm_16 = 99.
IF S4Q01 = 2 or K5Q31_R = 2 or K5Q31_R = 3 OthComm_16 = 0.
IF K5Q32 = 1 OthComm_16 = 1.
IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm_16 = 2.
VARIABLE LABELS OthComm_16 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".
VALUE LABELS OthComm_16
0 "No communication needed or did not have health care visit in the past 12 months"
1 "Very satisfied"
2 "Less than very satisfied"
99 "Missing to either item".

```

MISSING VALUES CareHelp\_16 DrComm\_16 OthComm\_16().

COMPUTE CareCoor\_16 = 999.

Title V Block Grant Measures - National Performance Measures

IF (CareHelp\_16 = 2 or CareHelp\_16=99) or (DrComm\_16 = 2 or DrComm\_16 = 3 or DrComm\_16=99) or (OthComm\_16 = 2 or OthComm\_16=99) CareCoor\_16 = 2.  
IF (CareHelp\_16 = 0 or CareHelp\_16 = 1 or CareHelp\_16=99) and (DrComm\_16=0 or DrComm\_16 =1 or DrComm\_16=99) and (OthComm\_16 = 0 or OthComm\_16 = 1 or OthComm\_16=99) CareCoor\_16 = 1.  
IF (CareHelp\_16 = 0 or CareHelp\_16=99) and (DrComm\_16 = 0 or DrComm\_16=99) and (OthComm\_16 = 0 or OthComm\_16 = 99) CareCoor\_16 = 0.  
IF CareHelp\_16 = 99 and DrComm\_16 = 99 and OthComm\_16 = 99 CareCoor\_16 = 99.  
VARIABLE LABELS CareCoor\_16 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".  
VALUE LABELS CareCoor\_16  
0 "Did not need coordinated care or had less than 2 services during the past 12 months"  
1 "Received all needed components of care coordination"  
2 "Did not receive one or more elements of coordination"  
99 "Missing to any".  
MISSING VALUES CareCoor\_16(99).

MISSING VALUES PerDrNs\_16 UsualSck\_16 FamCent\_16 NoRefPrb\_16 CareCoor\_16().

COMPUTE MedHome\_16 = 999.  
IF (PerDrNs\_16 = 1 or PerDrNs\_16=99) and (UsualSck\_16 = 1 or UsualSck\_16=99) and (NoRefPrb\_16=1 or NoRefPrb\_16 =0 or NoRefPrb\_16=99) and (FamCent\_16=1 or FamCent\_16=0 or FamCent\_16=99) and (CareCoor\_16=1 or CareCoor\_16=0 or CareCoor\_16=99) MedHome\_16 = 1.  
IF PerDrNs\_16 = 2 or UsualSck\_16 = 2 or NoRefPrb\_16 = 2 or FamCent\_16 = 2 or CareCoor\_16 = 2 MedHome\_16 = 2.  
IF PerDrNs\_16 = 99 and UsualSck\_16 = 99 and (FamCent\_16 = 99 or FamCent\_16 = 0) and (NoRefPrb\_16 = 99 or NoRefPrb\_16=0) and (CareCoor\_16 = 99 or CareCoor\_16 = 0) MedHome\_16 = 99.  
VARIABLE LABELS MedHome\_16 "Indicator 4.12: Percent of children receiving coordinated, ongoing, comprehensive care within a medical home".  
VALUE LABELS MedHome\_16  
1 "Care MEETS medical home criteria"  
2 "Care DOES NOT meet medical home criteria"  
99 "Missing to any".  
MISSING VALUES MedHome\_16(99).

\*\*\*\*National Performance Measure 11: Percent of children with special health care needs, ages 0 through 17, who have a medical home

RECODE MedHome\_16  
(else=copy) into npm11MHCSHCN\_16.  
IF SC\_CSHCN = 2 npm11MHCSHCN\_16 = 95.  
VARIABLE LABELS npm11MHCSHCN\_16 "National Performance Measure 11: Percent of children with special health care needs, ages 0 through 17, who have a medical home".  
VALUE LABELS npm11MHCSHCN\_16  
1 "Care MEETS medical home criteria"  
2 "Care DOES NOT meet medical home criteria"  
99 "Missing to any"  
95 "Non-CSHCN".  
MISSING VALUES npm11MHCSHCN\_16(95,99).  
FORMATS npm11MHCSHCN\_16(f4.0).  
EXECUTE.

NPM 11	Medical home, children without special health care needs
Description	Percent of children without special health care needs, ages 0 through 17, who have a medical home
Survey Items Used	<p>Survey instrument item number for children 0-5 years: C9,C10, D1-4, D7-12; for children 6-11 years: C7,C8, D1-4, D7-12; for children 12-17 years: C8,C9, D1-4, D7-12</p> <p>Variable name in public use data file: K4Q01; K4Q02_R; K4Q04; K5Q10; K5Q11; K5Q40; K5Q41; K5Q42; K5Q43; K5Q44; K5Q20_R; K5Q21; K5Q22; K5Q30; K5Q31_R; K5Q32</p>
Denominator	Children without special health care needs, ages 0 through 17
Numerator	Children without special health care needs, ages 0 through 17, who meet the criteria for having a medical home (personal doctor or nurse, usual source for care, and family-centered care; referrals or care coordination if needed)
<b>Notes for Data-Users</b>	
<p>The American Academy of Pediatrics specifies seven qualities essential to medical home care: accessible, family-centered, continuous, comprehensive, coordinated, compassionate and culturally effective care. Ideally, medical home care is delivered within the context of a trusting and collaborative relationship between the child's family and a competent health professional who is familiar with the child and family and the child's health history.</p> <p>In the 2016 NSCH, the presence of a medical home was measured by a composite measure based on five components constructed from a total of 14 survey items. These components are:</p> <ul style="list-style-type: none"> <li>- Personal doctor or nurse</li> <li>- Usual source for sick and well care</li> <li>- Family-centered care</li> <li>- Problems getting needed referrals</li> <li>- Effective Care Coordination when needed.</li> </ul> <p>To qualify as having a Medical Home, children must meet the criteria for adequate care on the first three components: personal doctor or nurse, usual source for care, and family-centered care. Additionally, any children who needed referrals or care coordination must also meet criteria for those components in order to qualify as having a medical home. Children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home.</p> <p>Further information about the Medical Home concept and measurement is available on the <a href="#">Data Resource Center Medical Home portal</a>. The medical <a href="#">home manual</a> developed by the CAHMI is available on the DRC website.</p>	
<b>Revisions in 2016</b>	
<p>There are a few changes to the Medical Home composite measure compared to the 2011/12 NSCH:</p> <p>(1) Usual source for care subcomponent: Even though the 2016 NSCH now asks about a usual source for preventive care, this subcomponent still only includes the usual source for sick care item. Additionally, in the 2016 NSCH, the response options for the follow up item about the type of places child usually goes for sick care do not include "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".</p> <p>(2) Care coordination subcomponent: In the 2011/12 NSCH, the care coordination component was</p>	

measured among all children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care (NUMB\_SERVICES>1). In the 2016 NSCH, the number of children who needed care coordination was defined based on the parent's response to the question: "Does anyone helped you to arrange or coordinate care among different doctors or services that this child uses?". If the parent responded, "Did not see more than one health care provider in past 12 months" to the question (K5Q20\_R ), it was assumed the child did not need care coordination.

(3) In the 2011/12 NSCH, when any component of medical home was missing, the entire composite medical home measure was considered missing. In the NSCH 2016, the composite medical home measure is only considered missing if all components are missing. Therefore, children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home. For more information on content changes, [click here](#).

<br>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

### SPSS Syntax and Annotation

```
RECODE MedHome_16  
(else=copy) into npm11MHnonCSHCN_16.  
IF SC_CSHCN = 1 npm11MHnonCSHCN_16 = 95.  
VARIABLE LABELS npm11MHnonCSHCN_16 "National Performance Measure 11: Percent of children  
without special health care needs, ages 0 through 17, who have a medical home".  
VALUE LABELS npm11MHnonCSHCN_16  
1 "Care MEETS medical home criteria"  
2 "Care DOES NOT meet medical home criteria"  
99 "Missing to any"  
95 "CSHCN".  
MISSING VALUES npm11MHnonCSHCN_16(95,99).  
FORMATS npm11MHnonCSHCN_16(f4.0).  
EXECUTE.
```

NPM 12	Transition to adult health care, CSHCN age 12-17 years
Description	Percent of adolescents with special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care
Survey Items Used	Survey instrument item number for children 12-17 years: C4; D13,D14,D15c,d Variable name in public use data file: DOCPRIVATE; TREATCHILD; TREATADULT; GAINSKILLS; CHANGEAGE
Denominator	Adolescents with special health care needs, ages 12 through 17
Numerator	Adolescents with special health care needs, ages 12 through 17, whose families report that they received the services necessary to transition to adult health care
<b>Notes for Data-Users</b>	
<p>In order to meet the criteria for this measure, youth with special health care needs 12-17 years old must meet three components: 1) doctor spoke with child privately without an adult in the room during last preventive check-up; 2) if a discussion about transitioning to adult care was needed it must have happened; and 3) doctors actively worked with child to gain skills and understand changes in health care.</p> <p>If a child has at least one valid positive response to any of these components and the remainder of the components were missing or legitimately skipped, these children were categorized as receiving adequate transition to adult healthcare in the 2016 scoring of this measure. Respondents with "missing" to all items were set to missing.</p> <p>Transition questions were asked among all children 12-17 years of age; however, the DRC provides two separate transition measures based on the child's special health care need status.</p>	
<b>Revisions in 2016</b>	
<p>This measure was previously included in the 2009/10 NS-CSHCN, but it was substantially different than the current measure in the 2016 NSCH. New items were added to the measure for the 2016 NSCH, including: doctor spoke with the child privately; doctor worked with the child about gaining skills to manage their health and health care and doctors worked with the child to help them understand their healthcare changes. . For more information on content changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE TimeAlone_16 = 999. IF DOCPRIVATE = 1 TimeAlone_16 = 1. IF DOCPRIVATE = 2 TimeAlone_16 = 2. IF SYSMIS(DOCPRIVATE) TimeAlone_16 = 99. IF K4Q20R = 1 TimeAlone_16 = 2. IF (SYSMIS(S4Q01) or SYSMIS(K4Q20R)) TimeAlone_16 = 99. IF S4Q01 = 2 TimeAlone_16 = 2. IF SC_AGE_YEARS &lt; 12 TimeAlone_16 = 90. VARIABLE LABELS TimeAlone_16 "Children who had time alone with health care provider at last check-up, age 12-17 years". VALUE LABELS TimeAlone_16 </pre>	

```

1 "Had time alone with provider"
2 "Did not have time alone with provider/Did not have preventive check-up"
99 "Missing"
90 "Children age 0-11 years".
MISSING VALUES TimeAlone_16().
FORMATS TimeAlone_16(f2.0).
EXECUTE.

COMPUTE ActiveWork_16 = 2.
IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork_16 = 1.
IF (CHANGEAGE = 3 or (SYSMIS(CHANGEAGE))) and (GAINSKILLS =3 or (SYSMIS(GAINSKILLS)))
ActiveWork_16 = 99.
IF SC_AGE_YEARS < 12 ActiveWork_16 = 90.
VARIABLE LABELS ActiveWork_16 "Provider worked with child to gain skills to manage health/health care
or understand health care changes at age 18, age 12-17 years".
VALUE LABELS ActiveWork_16
1 "Met the criteria"
2 "Did not met criteria"
99 "Missing/Don't know"
90 "Children age 0-11 years".
MISSING VALUES ActiveWork_16().
FORMATS ActiveWork_16(f2.0).
EXECUTE.

COMPUTE TrtAdult_16 = 999.
IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult_16 = 1.
IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult_16 = 2.
IF (SYSMIS(TREATCHILD)) or (SYSMIS(TREATADULT)) TrtAdult_16 = 99.
IF TREATCHILD = 2 TrtAdult_16 = 95.
IF SC_AGE_YEARS < 12 TrtAdult_16 = 90.
VARIABLE LABELS TrtAdult_16 "Provider discussed shift to adult health care providers if needed, age 12-
17 years".
VALUE LABELS TrtAdult_16
1 "Yes"
2 "No"
95 "Discussion not needed or sees provider who can transition"
99 "Missing"
90 "Children age 0-11 years".
MISSING VALUES TrtAdult_16().
FORMATS TrtAdult_16(f2.0).
EXECUTE.

MISSING VALUES TimeAlone_16 ActiveWork_16 TrtAdult_16().

COMPUTE Transition_16 = 999.
IF (TimeAlone_16 = 1 or TimeAlone_16=99) or (ActiveWork_16 = 1 or ActiveWork_16 =99) or (TrtAdult_16
= 1 or TrtAdult_16=95 or TrtAdult_16=99) Transition_16 = 1.
IF TimeAlone_16 = 2 or ActiveWork_16 = 2 or TrtAdult_16 = 2 Transition_16 = 2.
IF TimeAlone_16 = 99 and ActiveWork_16 = 99 and TrtAdult_16 = 99 Transition_16 = 99.
IF SC_AGE_YEARS < 12 Transition_16 = 90.
VARIABLE LABELS Transition_16 "Indicator 4.15: Adolescents who received services necessary to make
planning transitions to adult health care".
VALUE LABELS Transition_16

```

Title V Block Grant Measures - National Performance Measures

```
1 "Received services necessary for transition to adult health care"  
2 "Did not receive services necessary for transition to adult health care"  
99 "Missing to all"  
90 "Children age 0-11 years".  
MISSING VALUES Transition_16(90,99).  
FORMATS Transition_16(f2.0).  
EXECUTE.
```

\*\*\* National Performance Measure 12: Percent of adolescents with special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care

```
RECODE Transition_16  
(else=copy) into npm12TransCSHCN_16.  
IF SC_CSHCN = 2 npm12TransCSHCN_16 = 95.  
IF SC_AGE_YEARS < 12 npm12TransCSHCN_16 = 90.  
VARIABLE LABELS npm12TransCSHCN_16 "National Performance Measure 12: Percent of adolescents with special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care".  
VALUE LABELS npm12TransCSHCN_16  
1 "Received services necessary for transition to adult health care"  
2 "Did not receive services necessary for transition to adult health care"  
99 "Missing to any"  
95 "Non-CSHCN age 12-17 years"  
90 "Children age 0-11 years".  
MISSING VALUES npm12TransCSHCN_16(90,95,99).  
FORMATS npm12TransCSHCN_16(f4.0).  
EXECUTE.
```

NPM 12	Transition to adult health care, Non-CSHCN age 12-17 years
Description	Percent of adolescents without special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care
Survey Items Used	Survey instrument item number for children 12-17 years: C4; D13,D14,D15c,d Variable name in public use data file: DOCPRIVATE; TREATCHILD; TREATADULT; GAINSKILLS; CHANGEAGE
Denominator	Adolescents without special health care needs, ages 12 through 17
Numerator	Adolescents without special health care needs, ages 12 through 17, whose families report that they received the services necessary to transition to adult health care
<b>Notes for Data-Users</b>	
<p>In order to meet the criteria for this measure, 12-17 years old CSHCN must meet three components: 1) doctor spoke with child privately without an adult in the room during last preventive check-up; 2) if a discussion about transitioning to adult care was needed it must have happened; and 3) doctors actively worked with child to gain skills and understand changes in health care.</p> <p>If a child has at least one valid positive response to any of these components (and the remainder of the components were missing or legitimately skipped), these children were categorized as receiving adequate transition to adult healthcare in the 2016 scoring of this measure. Respondents with "missing" to all items were set to missing.</p> <p>Transition questions were asked among all children 12-17 years of age; however, the DRC provides two separate transition measures based on the child's special health care need status.</p>	
<b>Revisions in 2016</b>	
<p>The 2009/10 NS-CSHCN included a measure of transition to adulthood, but it was substantially different from the transition measure the 2016 NSCH. New items were added to the measure, including: doctor spoke with the child privately; doctor works with the child about gaining skills to manage their health and health care and doctors works with the child to help them understand their healthcare. For more information on content changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE Transition_16 (else=copy) into npm12TransNonCSHCN_16. IF SC_CSHCN = 1 npm12TransNonCSHCN_16 = 95. IF SC_AGE_YEARS &lt; 12 npm12TransNonCSHCN_16 = 90. VARIABLE LABELS npm12TransNonCSHCN_16 " Percent of adolescents without special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care". VALUE LABELS npm12TransNonCSHCN_16 1 "Received services necessary for transition to adult health care" 2 "Did not receive services necessary for transition to adult health care" 99 "Missing to any" </pre>	

**Title V Block Grant Measures - National Performance Measures**

95 "CSHCN age 12-17 years"  
90 "Children age 0-11 years".  
MISSING VALUES npm12TransNonCSHCN\_16(90,95,99).  
FORMATS npm12TransNonCSHCN\_16(f4.0).  
EXECUTE.

<b>NPM 13.2</b>	<b>Preventive dental visit, age 1-17 years</b>
<b>Description</b>	Percent of children, ages 1 through 17, who had a preventive dental visit in the past year
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C15; C16; for children 6-11 years: C13; C14; for children 12-17 years: C14; C15 Variable name in public use data file: K4Q30_R; DENTISTVISIT
<b>Denominator</b>	Children, ages 1 through 17
<b>Numerator</b>	Children, ages 1 through 17, who had a preventive dental visit in the past year
<b>Notes for Data-Users</b>	
Children younger than one year of age are not included in this measure.	
<b>Revisions in 2016</b>	
<p>The 2011/12 NSCH asked parents to report the number of preventive dental visits during the past 12 months, and the response was reported as a continuous number. Response options were reported as categorical (No visit, 1 visit or 2 or more visits) in the 2016 NSCH. For more information about the changes, <a href="#">click here</a>.</p> <p>The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrevDent_16 = 999. IF DENTISTVISIT = 2 or DENTISTVISIT = 3 PrevDent_16 = 1. IF DENTISTVISIT = 1 PrevDent_16 = 2. IF (SYSMIS(DENTISTVISIT)) PrevDent_16 = 99. IF K4Q30_R = 3 PrevDent_16 = 2. IF (SYSMIS(K4Q30_R)) PrevDent_16 = 99. IF SC_AGE_YEARS &lt; 1 PrevDent_16 = 95. VARIABLE LABELS PrevDent_16 "Indicator 4.2a: Children who had one or more preventive dental care visits during the past 12 months, age 1-17 years". VALUE LABELS PrevDent_16 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES PrevDent_16(95,99). FORMATS PrevDent_16(f2.0). EXECUTE. </pre>	

## Title V Block Grant Measures - National Performance Measures

\*\*\* National Performance Measure 13.2: Percent of children, age 1-17 years, who had a preventive dental visit in the past year

```
RECODE PrevDent_16  
(else=copy) into npm13bDePrev_16.  
VARIABLE LABELS npm13bDePrev_16 "National Performance Measure 13.2: Percent of children, age 1-  
17 years, who had a preventive dental visit in the past year".  
VALUE LABELS npm13bDePrev_16  
1 "One or more dental preventive visits"  
2 "No preventive dental visits"  
99 "Missing"  
95 "Children less than 1 year old".  
MISSING VALUES npm13bDePrev_16(95,99).  
FORMATS npm13bDePrev_16(f2.0).  
EXECUTE.
```

NPM 14.2	Someone living in the household smokes
Description	Percent of children, ages 0 through 17, who live in households where someone smokes
Survey Items Used	Survey instrument item number for children 0-5 years: I2; I3; for children 6-11 years: I2; I3; for children 12-17 years: I2; I3 Variable name in public use data file: K9Q40; K9Q41
Denominator	Children, ages 0 through 17
Numerator	Children, ages 0 through 17, who live in households where there is household member who smokes
<b>Notes for Data-Users</b>	
The Maternal and Child Health Bureau (MCHB) defines this measure as children living in a household with someone who smokes. The measure does not ask if the smoker smokes in the household. The survey item used to create the measure asked whether anyone living in your household uses cigarettes, cigars, or pipe tobacco.	
<b>Revisions in 2016</b>	
The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K9Q40 (1=1) (2=2) (SYSMIS=99) into smoking_16. VARIABLE LABELS smoking_16 "Indicator 6.4: Children who live in households where someone uses cigarettes, cigars, or pipe tobacco". VALUE LABELS smoking_16 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES smoking_16(99). FORMATS smoking_16(f4.0). EXECUTE.  ** National Performance Measure 14.2: Percent of children, ages 0 through 17, who live in households where someone smokes  RECODE smoking_16 (else=copy) into npm14bSmoke_16. VARIABLE LABELS npm14bSmoke_16 "National Performance Measure 14.2: Percent of children, ages 0 through 17, who live in households where someone smokes ". VALUE LABELS npm14bSmoke_16 1 "Yes" </pre>	

**Title V Block Grant Measures - National Performance Measures**

```
2 "No"  
99 "Missing".  
MISSING VALUES npm14bSmoke_16(99).  
FORMATS npm14bSmoke_16(f4.0).  
EXECUTE.
```

NPM 15	Adequate insurance
Description	Percent of children, ages 0 through 17, who are continuously and adequately insured
Survey Items Used	Survey instrument item number for children 0-5 years: E1,E3,E5,E6,E7,F1,F2; for children 6-11 years: E1,E3,E5,E6,E7, F1,F2; for children 12-17 years: E1,E3,E5,E6,E7, F1,F2 Variables in public use data file: INSGAP; CURRINS; K3Q20; K3Q22; HOWMUCH; K3Q21B
Denominator	Children, ages 0 through 17
Numerator	Children, ages 0 through 17, who were reported to be continuously insured in the past year with adequate coverage
<b>Notes for Data-Users</b>	
<p>"Adequacy of insurance" is defined as: 1) having continuous insurance in the past 12 months, and/or 2) having current insurance which is adequate for the child's healthcare needs. The measure is only considered missing if both items are missing. Therefore, children with a valid, positive response to one item and the other item was missing are categorized as having adequate insurance.</p> <p>In the 2016 NSCH, survey item K3Q04_R asked whether the child was continuously insured during the past 12 months. If the child was not continuously insured, a question asked whether the child currently covered by any health insurance. The child's current insurance was considered adequate when the following criteria were met: 1) the child currently has health insurance coverage, AND 2) benefits usually or always meet child's needs, AND 3) the insurance usually or always allows the child to see needed providers, AND 4) the insurance either has no out-of-pocket expenses or out-of-pocket expenses are usually or always reasonable.</p>	
<b>Revisions in 2016</b>	
<p>In the 2011/12 NSCH, this question asked whether families paid any money for their children's health care. The 2016 NSCH asked parents to report how much money they paid in categorical responses. The question then asked how often the costs were reasonable among those parents who paid any amount out-of-pocket. Additionally, in the 2016 NSCH, consistency of health insurance during the past 12 months is included in the scoring of the measure.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE CURRINS (1=1) (2=2) (SYSMIS=99) into CurrIns_16. VARIABLE LABELS CurrIns_16 "Indicator 3.1: Health insurance status at time of survey". VALUE LABELS CurrIns_16 1 "Currently insured" 2 "Currently uninsured" 99 "Missing". MISSING VALUES CurrIns_16(99). FORMATS CurrIns_16(f4.0). EXECUTE. </pre>	

```

COMPUTE InsGap_16 = 999.
IF INSGAP = 1 InsGap_16 = 1.
IF INSGAP = 2 or INSGAP = 3 InsGap_16 = 2.
IF CURRINS = 2 InsGap_16 = 2.
IF (SYSMIS(INSGAP)) InsGap_16 = 99.
VARIABLE LABELS InsGap_16 "Indicator 3.2: Children who had consistent health insurance coverage during the past 12 months".
VALUE LABELS InsGap_16
1 "Insured continuously all year"
2 "Child had a gap in coverage"
99 "Missing".
MISSING VALUES InsGap_16(99).
FORMATS InsGap_16(f4.0).
EXECUTE.

```

```

RECODE K3Q20
(1=1) (2=2) (3 thru 4=3) (SYSMIS=99) into benefits_16.
IF (SYSMIS(CURRINS)) benefits_16=99.
IF CURRINS = 2 benefits_16=95.
VARIABLE LABELS benefits_16 "Current insurance coverage meets child's health needs".
VALUE LABELS benefits_16
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Uninsured".
MISSING VALUES benefits_16 (95,99).
FORMATS benefits_16 (f3.0).
EXECUTE.

```

```

RECODE K3Q22
(1=1) (2=2) (3 thru 4=3) (SYSMIS=99) into allows_16.
IF (SYSMIS(CURRINS)) allows_16 = 99.
IF CURRINS = 2 allows_16=95.
VARIABLE LABELS allows_16 "Current insurance coverage allows child to see needed provider".
VALUE LABELS allows_16
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Uninsured".
MISSING VALUES allows_16 (95,99).
FORMATS allows_16 (f3.0).
EXECUTE.

```

```

COMPUTE expense_16 = 999.
IF K3Q21B = 1 expense_16 = 1.
IF K3Q21B = 2 expense_16 = 2.
IF (K3Q21B = 3 or K3Q21B = 4) expense_16 = 3.
IF (SYSMIS(K3Q21B)) expense_16=99.
IF HOWMUCH = 1 expense_16 = 0.
IF (SYSMIS(CURRINS)) expense_16 = 99.

```

```

IF CURRINS = 2 expense_16=95.
VARIABLE LABELS expense_16 "Current insurance coverage has reasonable out of pocket costs".
VALUE LABELS expense_16
0 'No out of pocket expenses'
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Uninsured".
MISSING VALUES expense_16 (95,99).
FORMATS expense_16 (f3.0).

```

MISSING VALUES benefits\_16 allows\_16 expense\_16 ().

```

COMPUTE InsAdeq_16=999.
IF (benefits_16 = 1 or benefits_16 = 2 or benefits_16 = 99) and (allows_16 = 1 or allows_16 = 2 or
allows_16 = 99) and (expense_16 = 1 or expense_16 = 2 or expense_16 = 99) InsAdeq_16 = 1.
IF expense_16 = 0 InsAdeq_16 = 1.
IF benefits_16 = 3 or allows_16 = 3 or expense_16 = 3 InsAdeq_16 = 2.
IF benefits_16 = 99 and allows_16 = 99 and expense_16 = 99 InsAdeq_16 = 99.
IF CURRINS = 2 InsAdeq_16 = 95.
VARIABLE LABELS InsAdeq_16 "Indicator 3.4: Adequacy of current Insurance coverage".
VALUE LABELS InsAdeq_16
1 "Current insurance adequate for child's needs"
2 "Current insurance NOT adequate for child's needs"
99 "Missing to all questions"
95 "Uninsured".
MISSING VALUES InsAdeq_16(95,99).
FORMATS InsAdeq_16(f4.0).
EXECUTE.

```

MISSING VALUES CurrIns\_16 InsGap\_16 InsAdeq\_16().

```

COMPUTE insurance_16 = 1.
IF (InsGap_16 = 1 or InsGap_16 = 99) and (InsAdeq_16 = 1 or InsAdeq_16 = 99) insurance_16 = 1.
IF CurrIns_16 = 2 or InsGap_16 = 2 or InsAdeq_16 = 2 insurance_16 = 2.
IF InsGap_16 = 99 and InsAdeq_16 = 99 insurance_16 = 99.
VARIABLE LABELS insurance_16 "Indicator 3.4a: Children who are continuously and adequately insured".
VALUE LABELS insurance_16
1 "Have adequate insurance covered entire year"
2 "Do not have adequate insurance"
99 "Missing to both".
MISSING VALUES insurance_16 () .
FORMATS insurance_16 (f2.0).

```

\*\*\* National Performance Measure 15: Percent of children, ages 0 through 17, who are continuously and adequately insured

```

RECODE insurance_16
(else=copy) into npm15Adlns_16.
VARIABLE LABELS npm15Adlns_16 "National Performance Measure 15: Percent of children, ages 0
through 17, who are continuously and adequately insured".
VALUE LABELS npm15Adlns_16

```

**Title V Block Grant Measures - National Performance Measures**

1 "Have adequate insurance covered entire year"  
2 "Do not have adequate insurance"  
99 "Missing to both questions".  
MISSING VALUES npm15AdIns\_16 (99).  
FORMATS npm15AdIns\_16 (F3.0).  
EXECUTE.

## National Outcome Measures

<b>NOM 14</b>	<b>Tooth decay/cavities, age 1-17 years</b>
<b>Description</b>	Percent of children, ages 1 through 17, who had decayed teeth or cavities in the past year
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A4i; for children 6-11 years: A4g; for children 12-17 years: A4g Variable name in public use data file: CAVITIES
<b>Denominator</b>	Children, ages 1 through 17
<b>Numerator</b>	Children, ages 1 through 17, who had decayed teeth or cavities in the past 12 months
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions in 2016</b>	
<p>In the NSCH 2011/12, "toothache" and "decayed teeth or cavities" were asked as one question. In the 2016 NSCH, questions on "toothache" and "decayed teeth or cavities" were asked separately, and an additional question was asked about "bleeding gums". The question wording was significantly changed. For more information about the content changes, please <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE CAVITIES (SYSMIS=99) (else=copy) into nom14TthDec_16. IF SC_AGE_YEARS &lt;1 nom14TthDec_16 = 95. VARIABLE LABELS nom14TthDec_16 "National Outcome Measure 14: Percent of children ages, 1 through 17, who had decayed teeth or cavities in the past year". VALUE LABELS nom14TthDec_16 1 "Yes, tooth decay or cavities" 2 "No tooth decay or cavities" 95 "Children age &lt;1 year" 99 "Missing". MISSING VALUES nom14TthDec_16(95,99). FORMATS nom14TthDec_16(f2.0). EXECUTE. </pre>	

NOM 17.1	Children with special health care needs
Description	Percent of children with special health care needs (CSHCN), ages 0 through 17
Survey Items Used	Survey instrument item number: Initial Screener Questionnaire items 6-10 Variable name in public use data file: K2Q10; K2Q11; K2Q12; K2Q13; K2Q14; K2Q15; K2Q16; K2Q17; K2Q18; K2Q19; K2Q20; K2Q21; K2Q22; K2Q23; SC_CSHCN
Denominator	Children age 0-17 years
Numerator	Children, age 0-17 years, who met the criteria for having a special health care need based on the CSHCN Screener
<b>Notes for Data-Users</b>	
<p>The NSCH uses the CSHCN Screener to identify children with special health care needs. The Screener is a five item, parent-reported tool designed to reflect the federal Maternal and Child Health Bureau's consequences-based definition of children with special health care needs. It identifies children across the range and diversity of childhood chronic conditions and special needs, allowing a more comprehensive and robust assessment of children's needs and health care system performance than is attainable by focusing on a single diagnosis or type of special need. This instrument has been used in several national surveys including the Promoting Healthy Development Survey, the CAHPS-CCC, the NSCH, the NS-CSHCN, and MEPS. More information about the CSHCN Screener can be obtained on the Child and Adolescent Health Measurement Initiative's <a href="#">website</a>.</p>	
<b>Revisions in 2016</b>	
<p>In the 2016 NSCH, the CSHCN Screener questions were asked among all children in the household, before the full topical survey was sent to the household. Only the selected child's CSHCN screener responses were included in the final Topical public use file.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE rxmeds_16 = 2. IF ((SC_K2Q10 = 1) and (SC_K2Q11 = 1) and (SC_K2Q12 = 1)) rxmeds_16 = 1. VARIABLE LABELS rxmeds_16 "Children qualifying on the CSHCN Screener prescription medication criteria". VALUE LABELS rxmeds_16 1 "Yes" 2 "No". MISSING VALUES rxmeds_16(99). FORMATS rxmeds_16(f4.0). EXECUTE.  COMPUTE serve_16 = 2. If ((SC_K2Q13 = 1) and (SC_K2Q14 =1) and (SC_K2Q15 = 1)) serve_16 = 1. VARIABLE LABELS serve_16 "Children qualifying on the CSHCN Screener for elevated use of services" </pre>	

criteria".

VALUE LABELS serve\_16

1 "Yes"

2 "No".

MISSING VALUES serve\_16(99).

FORMATS serve\_16(f4.0).

EXECUTE.

COMPUTE func\_16 = 2.

IF ((SC\_K2Q16 = 1) and (SC\_K2Q17 = 1) and (SC\_K2Q18 = 1)) func\_16 = 1.

VARIABLE LABELS func\_16 "Children qualifying on the CSHCN Screener functional limitations criteria".

VALUE LABELS func\_16

1 "Yes"

2 "No".

EXECUTE.

COMPUTE therapy\_16 = 2.

IF ((SC\_K2Q19 = 1) and (SC\_K2Q20 = 1) and (SC\_K2Q21 = 1)) therapy\_16 = 1.

VARIABLE LABELS therapy\_16 "Children qualifying on the CSHCN Screener specialized therapy criteria".

VALUE LABELS therapy\_16

1 "Yes"

2 "No".

MISSING VALUES therapy\_16(99).

FORMATS therapy\_16(f4.0).

EXECUTE.

COMPUTE mhealth\_16 = 2.

IF ((SC\_K2Q22 = 1) and (SC\_K2Q23 = 1)) mhealth\_16 = 1.

VARIABLE LABELS mhealth\_16 "Qualified on ongoing emotional, developmental or behavioral conditions".

VALUE LABELS mhealth\_16

1 "Yes"

2 "No".

MISSING VALUES mhealth\_16(99).

FORMATS mhealth\_16(f4.0).

EXECUTE.

COUNT qualnum\_16=rxmeds\_16 serve\_16 func\_16 therapy\_16 mhealth\_16(1).

VARIABLE LABELS qualnum\_16 "Number of qualifying CSHCN Screener answers".

VALUE LABELS qualnum\_16

0 "No qualifying answers"

1 "One qualifying answer"

2 "Two qualifying answers"

3 "Three qualifying answers"

4 "Four qualifying answers"

5 "Five qualifying answers"

99 "Missing to all 5 items".

FORMATS qualnum\_16 (f4.0).

EXECUTE.

COMPUTE CSHCN\_16 = 999.

IF qualnum\_16 = 0 CSHCN\_16 = 2.

IF qualnum\_16 > 0 CSHCN\_16 = 1.

Title V Block Grant Measures - National Outcome Measures

CSHCN\_16 =99.

VARIABLE LABELS CSHCN\_16 "Indicator 1.11: Children with special health care needs".

VALUE LABELS CSHCN\_16

1 "CSHCN"

2 "Non-CSHCN"

99 "Missing to all".

FORMATS CSHCN\_16 (f4.0).

EXECUTE.

\*\*\* National Outcome Measure 17.1: Percent of children with special health care needs (CSHCN), ages 0 through 17

RECODE CSHCN\_16

(else=copy) into nom17\_1CSHCN.

VARIABLE LABELS nom17\_1CSHCN "National Outcome Measure 17.1: Percent of children with special health care needs (CSHCN), ages 0 through 17".

VALUE LABELS nom17\_1CSHCN

1 "CSHCN"

2 "Non-CSHCN"

99 "Missing".

MISSING VALUES nom17\_1CSHCN(99).

FORMATS nom17\_1CSHCN(f4.0).

EXECUTE.

NOM 17.2	Systems of care, children with special health care needs
Description	Percent of children with special health care needs (CSHCN), ages 0 through 17, who receive care in a well-functioning system
Survey Items Used	Over 50 different survey questions are used to construct this measure.
Denominator	Children with special health care needs, ages 0 through 17
Numerator	CSHCN, ages 0 through 17, that received all components of a well-functioning system (family partnership, medical home, early screening, adequate insurance, easy access to services, and preparation for adult transition)
<b>Notes for Data-Users</b>	
<p>This measure is comprised of five age-relevant measures for children age 0-11 years, and six age-relevant measures for children age 12-17 years. Those five measures for children age 0-11 years include: family feels like they are a partner in their child's care, child has a medical home, child had a preventive medical and dental visit, child has adequate insurance, and child has no unmet need and barriers access to services. For adolescents age 12-17 years, preparation for adult transition is included in addition to these five measures.</p> <p>If a child has at least one valid positive response to any of these measures and the remainder of the components were missing or legitimately skipped, this child was categorized as receiving care in a well-functioning system in the 2016 scoring of this measure. Respondents with "missing" to all items were set to missing. The denominator for this outcome measure is children with special health care needs identified by the standardized CSHCN Screener.</p>	
<b>Rewrites in 2016</b>	
<p>The systems of care measure has changed, due to changes in the transition to adult healthcare measure (see NPM 12), the medical home measure (see NPM 11), and the adequacy of insurance measure (see NPM 15). For more information on content changes, <a href="#">click here</a>.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE insurance_16 = 1. IF (InsGap_16 = 1 or InsGap_16 = 99) and (InsAdeq_16 = 1 or InsAdeq_16 =99) insurance_16 = 1. IF CurrIns_16 = 2 or InsGap_16 = 2 or InsAdeq_16 = 2 insurance_16 = 2. IF InsGap_16 = 99 and InsAdeq_16 = 99 insurance_16 = 99. VARIABLE LABELS insurance_16 "Children who have adequate insurance and were covered entire year". VALUE LABELS insurance_16 1 "Have adequate insurance covered entire year" 2 "Do not have adequate insurance" 99 "Missing to both". MISSING VALUES insurance_16 (). FORMATS insurance_16 (f2.0).  MISSING VALUES CurrIns_16 InsGap_16(99). </pre>	

MISSING VALUES InsAdeq\_16(95,99).

COMPUTE MedDentSyst\_16 = 999.

IF (PrevMed\_16 = 1 or PrevMed\_16 = 99) and (PrevDent\_16=1 or PrevDent\_16=95 or PrevDent\_16=99)  
MedDentSyst\_16 = 1.

IF PrevMed\_16 = 2 or PrevDent\_16 = 2 MedDentSyst\_16 = 2.

IF PrevMed\_16 = 99 and (PrevDent\_16 = 99 or PrevDent\_16=95) MedDentSyst\_16 = 99.

VARIABLE LABELS MedDentSyst\_16 "Indicator 4.3: Children received both preventive medical and dental care visits in past 12 months".

VALUE LABELS MedDentSyst\_16

1 "Received preventive medical and dental care"

2 "Did not receive preventive medical and dental care"

99 "Missing to both".

COMPUTE frustrated\_16 = 999.

IF C4Q04 = 1 frustrated\_16 = 0.

IF C4Q04 = 2 frustrated\_16 = 1.

IF C4Q04 = 3 or C4Q04 = 4 frustrated\_16 = 2.

IF (SYSNMIS(C4Q04)) frustrated\_16 = 99.

VARIABLE LABELS frustrated\_16 "Indicator 4.19: Family frustrated in efforts to get services for their children during the past 12 months".

VALUE LABELS frustrated\_16

0 "Never frustrated"

1 "Sometimes frustrated"

2 "Usually/always frustrated"

99 "Missing".

MISSING VALUES frustrated\_16(99).

FORMATS frustrated\_16(f4.0).

EXECUTE.

COMPUTE UnmetFrust\_16 = 999.

IF (K4Q27 = 2 or (SYSMIS(K4Q27)) and (frustrated\_16 = 0 or frustrated\_16 = 1 or frustrated\_16 =99))  
UnmetFrust\_16 = 1.

IF K4Q27 = 1 or frustrated\_16 = 2 UnmetFrust\_16 = 2.

IF (SYSMIS(K4Q27)) and frustrated\_16 = 99 UnmetFrust\_16 = 99.

VARIABLE LABELS UnmetFrust\_16 "Children whose parents had difficulties in accessing care and always or usually frustrated in effort getting services for their children".

VALUE LABELS UnmetFrust\_16

1 "No unmet need and frustration"

2 "Experienced unmet need and frustration (usually/alway frustrated)"

99 "Missing".

COMPUTE sys0to11care2\_16 = 999.

IF (ShareDec\_16 = 0 or ShareDec\_16 = 1 or ShareDec\_16=99) and (MedHome\_16 = 1 or MedHome\_16 = 99) and (Insurance\_16 = 1 or Insurance\_16 = 99)

and (MedDentSyst\_16 = 1 or MedDentSyst\_16=99) and (UnmetFrust\_16 = 1 or UnmetFrust\_16=99)  
sys0to11care2\_16 = 1.

IF ShareDec\_16=2 or MedHome\_16 = 2 or Insurance\_16 = 2 or MedDentSyst\_16 = 2 or UnmetFrust\_16 = 2 sys0to11care2\_16 =2.

IF (ShareDec\_16=0 or ShareDec\_16=99) and MedHome\_16 = 99 and Insurance\_16 = 99 and  
MedDentSyst\_16 = 99 and UnmetFrust\_16 = 99 sys0to11care2\_16 =99.

IF SC\_AGE\_YEARS > 11 sys0to11care2\_16 = 95.

VARIABLE LABELS sys0to11care2\_16 "Children ages 0-11 meeting one or more of five criteria for system

of care".

VALUE LABELS sys0to11care2\_16

1 "Received care in a well-functioning system"

2 "Did not receive care in a well-functioning system"

99 "Missing"

95 "Children age 12-17 years".

MISSING VALUES sys0to11care2\_16(99).

EXECUTE.

COMPUTE sys12to17care2\_16 = 999.

IF (ShareDec\_16 = 0 or ShareDec\_16 = 1 or ShareDec\_16=99) and (MedHome\_16 = 1 or MedHome\_16 = 99) and (Insurance\_16 = 1 or Insurance\_16 = 99)

and (MedDentSyst\_16 = 1 or MedDentSyst\_16=99) and (UnmetFrust\_16 = 1 or UnmetFrust\_16=99) and (npm12Trans\_16=1 or npm12Trans\_16=99) sys12to17care2\_16 = 1.

IF ShareDec\_16=2 or MedHome\_16 = 2 or Insurance\_16 = 2 or MedDentSyst\_16 = 2 or UnmetFrust\_16 = 2 or npm12Trans\_16=2 sys12to17care2\_16 =2.

IF (ShareDec\_16=0 or ShareDec\_16=99) and MedHome\_16 = 99 and Insurance\_16 = 99 and MedDentSyst\_16 = 99 and UnmetFrust\_16 = 99 and npm12Trans\_16=99 sys12to17care2\_16 =99.

IF SC\_AGE\_YEARS < 12 sys12to17care2\_16 = 95.

VARIABLE LABELS sys12to17care2\_16 "Children ages 12-17 meeting one or more of five criteria for system of care".

VALUE LABELS sys12to17care2\_16

1 "Received care in a well-functioning system"

2 "Did not receive care in a well-functioning system"

99 "Missing"

95 "Children age 0-11 years".

MISSING VALUES sys12to17care2\_16(99).

EXECUTE.

MISSING VALUES sys0to11care2\_16 sys12to17care2\_16().

COMPUTE SystCare2\_16=99.

IF sys0to11care2\_16 = 1 or sys12to17care2\_16 = 1 SystCare2\_16 =1.

IF sys0to11care2\_16 = 2 or sys12to17care2\_16 = 2 SystCare2\_16 =2.

IF sys0to11care2\_16 = 99 and sys12to17care2\_16 = 99 SystCare2\_16 =2.

VARIABLE LABELS SystCare2\_16 "Indicator 4.17: Percent of children received care in a well-functioning system".

VALUE LABELS SystCare2\_16

1 "Received care in a well-functioning system"

2 "Did not receive care in a well-functioning system"

99 "Missing".

MISSING VALUES SystCare2\_16(99).

EXECUTE.

\*\*\*\* National Performance Measure 17.2: Percent of children with special health care needs (CSHCN), ages 0 through 17, who receive care in a well-functioning system

RECODE SystCare2\_16

(else=copy) into nom17\_2sysCSHCN\_16.

IF SC\_CSHCN = 2 nom17\_2sysCSHCN\_16 = 95.

VARIABLE LABELS nom17\_2sysCSHCN\_16 "National Performance Measure 17.2: Percent of children with special health care needs (CSHCN), ages 0 through 17, who receive care in a well-functioning system".

Title V Block Grant Measures - National Outcome Measures

```
VALUE LABELS nom17_2sysCSHCN_16
1 "Receive care in a well-functioning system"
2 "Do not receive care in a well-functioning system"
99 "Missing"
95 "Non-CSHCN".
MISSING VALUES nom17_2sysCSHCN_16(95,99).
EXECUTE.
```

<b>NOM 17.3</b>	<b>Autism, age 3-17 years</b>
<b>Description</b>	Percent of children, ages 3 through 17, diagnosed with an autism spectrum disorder
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A28; for children 6-11 years: A29; for children 12-17 years: A29 Variable name in public use data file: K2Q35A; K2Q35B
<b>Denominator</b>	Children, ages 3 through 17
<b>Numerator</b>	Children, ages 3 through 17, reported by their parents to have been diagnosed by a health care provider with ASD and to currently have the condition
<b>Notes for Data-Users</b>	
<p>This measure is derived from responses to two questions: whether parents were ever told by a health care provider that the child has autism or another autism spectrum disorder (K2Q35A); and, if the response to the previous question is "Yes", whether the child currently has the condition (K2Q35B). Respondents were grouped according to whether they currently have autism or another autism spectrum disorder.</p> <p>Please note that in the NSCH, all information about children's health conditions is based on parent recollection and is not independently verified. Further, a response of "Yes" to having "ever been told" that a child has a specific health condition (e.g., K2Q35A = Yes) DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p> <p>Last, even though the 2016 NSCH asked these questions among all children 0-17 years old, this measure only includes children 3 to 17 years old.</p>	
<b>Revisions in 2016</b>	
<p>The content of the measure is similar to 2011/12 NSCH. However, the 2016 NSCH asked this question among all children, including children &lt;2 years old. Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE autism_16 = 999. IF (SYSMIS(K2Q35A)) or (SYSMIS(K2Q35B)) autism_16 = 99. IF K2Q35A = 2 autism_16 = 1. IF K2Q35A = 1 and K2Q35B = 2 autism_16 = 2. IF K2Q35A = 1 and K2Q35B = 1 autism_16 = 3. IF SC_AGE_YEARS &lt; 3 autism_16 = 95. VARIABLE LABELS autism_16 "Children currently have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder, age 3-17 years". VALUE LABELS autism_16 1 "Do not have condition" 2 "Ever told, but do not currently have condition" 3 "Currently have condition" 99 "Missing" 95 "Children age 0-2 years". </pre>	

Title V Block Grant Measures - National Outcome Measures

\*\*\* National Outcome Measure 17.3: Percent of children, ages 3 through 17, diagnosed with an autism spectrum disorder

RECODE autism\_16

(1 thru 2 = 2) (3=1) (else=copy) into nom17\_3ASD\_16.

VARIABLE LABELS nom17\_3ASD\_16 "National Outcome Measure 17.3: Percent of children, ages 3 through 17, diagnosed with an autism spectrum disorder".

VALUE LABELS nom17\_3ASD\_16

1 "Currently have condition"

2 "Do not currently have condition"

99 "Missing"

95 "Children age 0-2 years".

MISSING VALUES nom17\_3ASD\_16(95,99).

FORMATS nom17\_3ASD\_16(f4.0).

EXECUTE.

<b>NOM 17.4</b>	<b>ADD or ADHD, age 3-17 years</b>
<b>Description</b>	Percent of children, ages 3 through 17, diagnosed with Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A33; for children 6-11 years: A34; for children 12-17 years: A34 Variable name in public use data file: K2Q31A; K2Q31B
<b>Denominator</b>	Children, ages 3 through 17
<b>Numerator</b>	Children, ages 3 through 17, reported by their parents to have been diagnosed by a health care provider with ADD/ADHD and to currently have the condition
<b>Notes for Data-Users</b>	
<p>This measure is derived from responses to two questions: whether parents were ever told by a health care provider that the child has Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD) (K2Q31A); and, if the response to the previous question is "Yes", whether the child currently has the condition (K2Q31B). Respondents were grouped according to whether they have never had, ever had, or currently have ADD/ADHD. Please note that in the NSCH, all information about children's health conditions is based on parent recollection and is not independently verified. Further, a response of "Yes" to having "ever been told" that a child has a specific health condition (e.g., K2Q31A = Yes) DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p> <p>Last, even though the 2016 NSCH asked these questions among all children 0-17 years old, this measure only includes children 3 to 17 years old.</p>	
<b>Revisions in 2016</b>	
<p>The content of the measure is similar to 2011/12 NSCH. However, the 2016 NSCH asked this question among all children, including children &lt;2 years old. Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHD_16 = 999. IF (SYSMIS(K2Q31A)) or (SYSMIS(K2Q31B)) ADHD_16 = 99. IF K2Q31A = 2 ADHD_16 = 1. IF K2Q31A = 1 and K2Q31B = 2 ADHD_16 = 2. IF K2Q31A = 1 and K2Q31B = 1 ADHD_16 = 3. IF SC_AGE_YEARS &lt; 3 ADHD_16 = 95. VARIABLE LABELS ADHD_16 "Children currently have ADD or ADHD, age 3-17 years". VALUE LABELS ADHD_16 1 "Do not have condition" 2 "Ever told, but do not currently have condition" 3 "Currently have condition" 99 "Missing" 95 "Children age 0-2 years". </pre>	

\*\*\* National Outcome Measure 17.4: Percent of children, age 3-17 years, diagnosed with Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)

RECODE ADHD\_16

(1 thru 2 = 2) (3=1) (else=copy) into nom17\_4ADHD\_16.

VARIABLE LABELS nom17\_4ADHD\_16 "National Outcome Measure 17.4: Percent of children, age 3-17 years, diagnosed with Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)".

VALUE LABELS nom17\_4ADHD\_16

1 "Currently have condition"

2 "Do not currently have condition"

99 "Missing"

95 "Children age 0-2 years".

MISSING VALUES nom17\_4ADHD\_16(95.99).

FORMATS nom17\_4ADHD\_16(f4.0).

EXECUTE.

<b>NOM 18</b>	<b>Mental health treatment, age 3-17 years</b>
<b>Description</b>	Percent of children, ages 3 through 17, with a mental/behavioral condition who receive treatment or counseling
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C18; for children 6-11 years: C16; for children 12-17 years: C17 Variable name in public use data file: K4Q22_R
<b>Denominator</b>	Number of children, ages 3 through 17, reported by their parents to have been diagnosed by a health care provider with a mental/behavioral condition (depression, anxiety problems, or behavioral or conduct problems)
<b>Numerator</b>	Number of children, ages 3 through 17, reported by their parents to have been diagnosed by a health care provider with a mental/behavioral condition (depression, anxiety problems, or behavioral or conduct problems) who received treatment or counseling
<b>Notes for Data-Users</b>	
The denominator of this measure is children age 3-17 who currently have one of the three diagnosed conditions: depression, anxiety problems, or behavioral or conduct problems. Children with mental or behavioral conditions were conservatively identified based on a subset of diagnosed conditions for a purpose. These children are grouped according to whether or not they received treatment from a mental health professional during the past 12 months (K4Q22_R). Two response options to K4Q22_R "Did not receive mental health care, but needed", and "Did not receive mental health care, but did not need" were combined to identify children who did not receive mental health care.	
<b>Rewrites in 2016</b>	
In the 2011/12 NSCH, this question was asked among children 2-17 years, and the denominator of this measure was children age 3-17 who were found to have an emotional, developmental, or behavioral problem from the CSHCN Screener (qualified on the CSHCN question #5).  In the 2016 NSCH, the denominator of this measure is children age 3-17 years who currently have anxiety, depression, or a behavioral/conduct disorder. The 2016 NSCH question was asked among all children 0-17 years old, and the "No" response from the 2011/12 NSCH was broken down in 2 responses in the 2016 NSCH: "No, but needed to see a mental health professional" and "No, did not need to see a mental health professional". For more information on content changes, <a href="#">click here</a> .	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE anxiety_16 = 999. IF (SYSMIS(K2Q33A)) or (SYSMIS(K2Q33B)) anxiety_16 = 99. IF K2Q33A = 2 anxiety_16 = 1. IF K2Q33A = 1 and K2Q33B = 2 anxiety_16 = 2. IF K2Q33A = 1 and K2Q33B = 1 anxiety_16 = 3. IF SC_AGE_YEARS &lt; 3 anxiety_16 = 95. VARIABLE LABELS anxiety_16 "Children currently have anxiety problems, age 3-17 years". VALUE LABELS anxiety_16 1 "Do not have condition" 2 "Ever told, but do not currently have condition" 3 "Currently have condition" 99 "Missing" </pre>	

95 "Children age 0-2 years".

COMPUTE depress\_16 = 999.

IF (SYSMIS(K2Q32A)) or (SYSMIS(K2Q32B)) depress\_16 = 99.

IF K2Q32A = 2 depress\_16 = 1.

IF K2Q32A = 1 and K2Q32B = 2 depress\_16 = 2.

IF K2Q32A = 1 and K2Q32B = 1 depress\_16 = 3.

IF SC\_AGE\_YEARS < 3 depress\_16 = 95.

VARIABLE LABELS depress\_16 "Children currently have depression, age 3-17 years".

VALUE LABELS depress\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing"

95 "Children age 0-2 years".

COMPUTE behavior\_16 = 999.

IF (SYSMIS(K2Q34A)) or (SYSMIS(K2Q34B)) behavior\_16 = 99.

IF K2Q34A = 2 behavior\_16 = 1.

IF K2Q34A = 1 and K2Q34B = 2 behavior\_16 = 2.

IF K2Q34A = 1 and K2Q34B = 1 behavior\_16 = 3.

IF SC\_AGE\_YEARS < 3 behavior\_16 = 95.

VARIABLE LABELS behavior\_16 "Children currently have behavioral or conduct problems, age 3-17 years".

VALUE LABELS behavior\_16

1 "Do not have condition"

2 "Ever told, but do not currently have condition"

3 "Currently have condition"

99 "Missing"

95 "Children age 0-2 years".

MISSING VALUES depress\_16 anxiety\_16 behavior\_16().

COUNT ment3cond\_16=depress\_16 anxiety\_16 behavior\_16(3).

IF depress\_16=99 and anxiety\_16 = 99 and behavior\_16 =99 ment3cond\_16 = 99.

IF SC\_AGE\_YEARS < 3 ment3cond\_16 = 95.

VARIABLE LABELS ment3cond\_16 "Number of conditions".

COMPUTE nom18MHlth\_16 = 999.

IF ment3cond\_16 > 0 and K4Q22\_R = 1 nom18MHlth\_16 = 1.

IF ment3cond\_16 > 0 and (K4Q22\_R=2 or K4Q22\_R=3) nom18MHlth\_16 = 2.

IF ment3cond\_16 = 0 nom18MHlth\_16 = 95.

IF ment3cond\_16 = 99 nom18MHlth\_16 = 99.

IF (SYSMIS(K4Q22\_R)) nom18MHlth\_16 = 99.

IF SC\_AGE\_YEARS < 3 nom18MHlth\_16 = 95.

VARIABLE LABELS nom18MHlth\_16 "National Outcome Measure 18: Percent of children, age 3-17 years, with a mental/behavioral condition who receive treatment or counseling".

VALUE LABELS nom18MHlth\_16

1 "Received treatment"

2 "Needed treatment, did not receive it"

99 "Missing"

95 "Children age 0-2 years/Do not have any of 3 conditions".

MISSING VALUES nom18MHlth\_16(95,99).

**Title V Block Grant Measures - National Outcome Measures**

FORMATS nom18MHlth\_16(f2.0).  
EXECUTE.

NPM 19	Overall health status
Description	Percent of children, ages 0 through 17, in excellent or very good health
Survey Items Used	Survey instrument item number for children 0-5 years: A1; for children 6-11 years: A1; for children 12-17 years: A1 Variable in public use data file: K2Q01
Denominator	Children, ages 0 through 17
Numerator	Children, ages 0 through 17, reported by their parents to be in excellent or very good health
<b>Notes for Data-Users</b>	
This measure combines five response categories (excellent, very good, good, fair, poor) into three response categories. Estimates may vary compared to similar indicators from other surveys elsewhere on the DRC website because of differences in survey wording and survey administration.	
<b>Revisions in 2016</b>	
The content of this measure is similar to 2011/12 NSCH. However, due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
RECODE K2Q01 (1 thru 2=1) (3=3) (4 thru 5=3) (SYSMIS=99) into ChHlthSt_16. VARIABLE LABELS ChHlthSt_16 "Indicator 1.1: Children's overall health status". VALUE LABELS ChHlthSt_16 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES ChHlthSt_16(99). FORMATS ChHlthSt_16(f2.0). EXECUTE .  *** National Outcome Measure 19: Percent of children, ages 0 through 17, in excellent or very good health  RECODE ChHlthSt_16 (2 thru 3 =2) (else=copy) into nom19ChHSt_16. VARIABLE LABELS nom19ChHSt_16 "National Outcome Measure 19: Percent of children, ages 0 through 17, in excellent or very good health". VALUE LABELS nom19ChHSt_16 1 "Excellent or very good" 2 "Good, fair or poor" 99 "Missing". MISSING VALUES nom19ChHSt_16(99). FORMATS nom19ChHSt_16(f2.0) .	

<b>NOM 20</b>	<b>Obesity, age 10-17</b>
<b>Description</b>	Percent of children, ages 2 through 4, and adolescents, ages 10 through 17, who are obese (BMI at or above the 95th percentile)
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C4,5; for children 6-11 years: C4,5; for children 12-17 years: C5,6 Variable name in public use data file: BMICLASS
<b>Denominator</b>	Adolescents, ages 10 through 17
<b>Numerator</b>	Adolescents, ages 10 through 17, who are obese (BMI at or above the 95th percentile)

#### Notes for Data-Users

Assessment of body fat in children and teenagers is approached differently than for adults. Because growth patterns differ, BMI in youth is age and gender specific. BMI-for-age categories are: Underweight - Less than the 5th percentile; Healthy weight - 5th percentile to less than the 85th percentile; Overweight - 85th to less than the 95th percentile; Obese - Equal to or greater than the 95th percentile. Additional information about BMI-for-age is available from the [CDC website](#).

The child's age in months was used to calculate BMI-for-age. However, since the NSCH reports age only in years, all children were assumed to be at the midpoint of their age-year for this calculation. BMI for children under 10 years of age was not reported in this measure.

In the NSCH, BMI-for-age is based on parents' recollection of the selected child's height and weight. Responses to questions ask about child's current height and weight were not independently verified (e.g., measurement, health records, etc.). A study comparing parent-reported height and weight estimates from the 2003 NSCH with results of physical measurement from the National Health and Nutrition Examination Survey (NHANES) revealed that parents typically overestimate height and underestimate weight of children younger than 10 years of age. (Lara J. Akinbami, Cynthia L. Ogden. (2009) Childhood Overweight Prevalence in the United States: The Impact of Parent-reported Height and Weight. *Obesity* 17:1574-1580)

#### Revisions in 2016

There were changes to the wording of this question. For more information about the changes, [click here](#). Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not be possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.

#### SPSS Syntax and Annotation

```

COMPUTE BMI4_16 = BMICLASS.
IF (SYSMIS(BMICLASS)) BMI4_16 = 99.
IF SC_AGE_YEARS < 10 BMI4_16 = 90.
VARIABLE LABELS BMI4_16 "Indicator 1.4: Weight status of children based on Body Mass Index for age - 4 categories, 10-17 years".
VALUE LABELS BMI4_16
1 "Underweight (less than 5th percentile)"
2 "Healthy weight (5th to 84th percentile)"
3 "Overweight (85th to 94th percentile)"
4 "Obese (95th percentile or above)"

```

```
99 "Missing"  
90 "Children age 0-9 years".  
MISSING VALUES BMI4_16(90,99).  
EXECUTE.
```

\*\*\* National Outcome Measure 20: Percent of children, age 10-17 years, who are obese (BMI at or above the 95th percentile)

```
RECODE BMI4_16  
(else=copy) into nom20obese_16.  
VARIABLE LABELS nom20obese_16 "National Outcome Measure 20: Percent of children, age 10-17  
years, who are obese (BMI at or above the 95th percentile)".  
VALUE LABELS nom20obese_16  
1 "Underweight (less than 5th percentile)"  
2 "Healthy weight (5th to 84th percentile)"  
3 "Overweight (85th to 94th percentile)"  
4 "Obese (95th percentile or above)"  
99 "Missing"  
90 "Children age 0-9 years".  
MISSING VALUES nom20obese_16(90,99).  
FORMATS nom20obese_16(f4.0).  
EXECUTE.
```

NOM 25	Forgone health care
Description	Percent of children, ages 0 through 17, who were not able to obtain needed health care in the last year
Survey Items Used	Survey instrument item number for children 0-5 years: C24; for children 6-11 years: C22; for children 12-17 years: C23 Variable in public use data file: K4Q27
Denominator	Children, ages 0 through 17
Numerator	Children, ages 0 through 17 years, who were reported by a parent to not able to obtain needed health care in the last year
<b>Notes for Data-Users</b>	
This measure is based on the single item K4Q27 "During the past 12 months, was there any time when this child needed health care but it was not received? By health care, we mean medical care as well as other kinds of care like dental care, vision care, and mental health services."	
<b>Revisions in 2016</b>	
In the 2011/12 NSCH, this question asked if care was "delayed or not received". The 2016 NSCH asks if care was "not received". For more information about the changes, <a href="#">click here</a> . Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording where necessary, MCHB alerts data users that it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN or to conduct related trend analyses. The redesigned NSCH will support trend analyses beginning with data from 2016.	
<b>SPSS Syntax and Annotation</b>	
RECODE K4Q27 (SYSMIS=99) (else=copy) into ForgoneCare_16. VARIABLE LABELS ForgoneCare_16 "Children who needed health care but it was not received". VALUE LABELS ForgoneCare_16 1 "Needed care, but did not receive" 2 "Received needed care" 99 "Misiisng". MISSING VALUES ForgoneCare_16(99).  RECODE ForgoneCare_16 (else=copy) into nom25ForgoneHC_16. VARIABLE LABELS nom25ForgoneHC_16 "National Outcome Measure 25: Percent of children, ages 0 through 17, who were not able to obtain needed health care in the last year". VALUE LABELS nom25ForgoneHC_16 1 "Needed care, but did not receive" 2 "Received needed care" 99 "Misiisng". MISSING VALUES nom25ForgoneHC_16(99).	

## **Appendix A: Indicator and Subgroup Variables**

### **Unweighted Frequency Tables**



**Important Note:** Unweighted frequency distributions shown here can be used ONLY as a resource for cross-checking results, NOT for reporting of the survey estimates.

**SECTION 1: Physical, Oral Health and Functional Status****ChHlthSt\_16 Indicator 1.1: Children's overall health status-3 categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	46093	91.8	92.1	92.1
	2 Good	3409	6.8	6.8	98.9
	3 Fair or poor	558	1.1	1.1	100.0
	Total	50060	99.7	100.0	
Missing	99 Missing	152	.3		
Total		50212	100.0		

**TeethCond\_16 Indicator 1.2: Overall condition of children's teeth, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	40188	80.0	83.5	83.5
	2 Good	6243	12.4	13.0	96.4
	3 Fair or poor	1726	3.4	3.6	100.0
	Total	48157	95.9	100.0	
Missing	95 Children age 0-1 year or Children with no teeth	1932	3.8		
	99 Missing	123	.2		
	Total	2055	4.1		
Total		50212	100.0		

**OralProb\_16 Indicator 1.2a: Oral health problems: toothache, bleeding gums, and/or decayed teeth or cavities, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One or more oral health problems	5195	10.3	10.8	10.8
	2 No oral health problems	43061	85.8	89.2	100.0
	Total	48256	96.1	100.0	
Missing	95 Children age less than 1 year	1852	3.7		
	99 Missing to all	104	.2		
	Total	1956	3.9		
Total		50212	100.0		

**BrstEver\_16 Indicator 1.3: Children who were ever breastfed or fed breast milk, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	12073	24.0	84.3	84.3
	2 No	2251	4.5	15.7	100.0
	Total	14324	28.5	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	99 Missing	170	.3		
	Total	35888	71.5		
Total		50212	100.0		

**ExBrstFd\_16 Indicator 1.3a: Exclusively breastfed or given breast milk for first 6 months, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never breastfed or given breast milk	2164	4.3	16.0	16.0
	2 Exclusively breastfed for first 6 months	3167	6.3	23.4	39.5
	3 Breastfed first six months, not exclusively	7812	15.6	57.8	97.3
	4 Breastfed, exclusivity not known	366	.7	2.7	100.0
	Total	13509	26.9	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children less than 6 months	830	1.7		
	99 Missing	155	.3		
	Total	36703	73.1		
Total		50212	100.0		

**BMI4\_16 Indicator 1.4: Weight status of children based on Body Mass Index for age - 4 categories, 10-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Underweight (less than 5th percentile)	1491	3.0	6.1	6.1
	2 Healthy weight (5th to 84th percentile)	16339	32.5	66.9	73.1
	3 Overweight (85th to 94th percentile)	3474	6.9	14.2	87.3
	4 Obese (95th percentile or above)	3101	6.2	12.7	100.0
	Total	24405	48.6	100.0	
Missing	90 Children age 0-9 years	24118	48.0		
	99 Missing	1689	3.4		
	Total	25807	51.4		
Total		50212	100.0		

**PhysAct\_16 Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 days	2812	5.6	8.0	8.0
	2 1-3 days	13174	26.2	37.7	45.7
	3 4-6 days	11390	22.7	32.6	78.3
	4 Everyday	7576	15.1	21.7	100.0
	Total	34952	69.6	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	766	1.5		
	Total	15260	30.4		
Total		50212	100.0		

**WgtConcn\_16 Indicator 1.6: Parental concern about their children's weight**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes, concerned it is too high	3712	7.4	7.5	7.5
	2 Yes, concerned it is too low	1287	2.6	2.6	10.0
	3 No, not concerned	44808	89.2	90.0	100.0
	Total	49807	99.2	100.0	
Missing	99 Missing	405	.8		
Total		50212	100.0		

**LowBWght\_16 Indicator 1.7: Children who had a low birth weight, that is they weighed less than 2500 grams when they were born**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Child was born with low birth weight (<2500g)	3711	7.4	7.9	7.9
	2 Child had normal birth weight	43092	85.8	92.1	100.0
	Total	46803	93.2	100.0	
Missing	99 Missing	3409	6.8		
	Total	50212	100.0		

**VeryLBWght\_16 Indicator 1.7a: Children who had a very low birth weight, that is they weighed less than 1500 grams when they were born**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Child was born with very low birth weight (<1500g)	605	1.2	1.3	1.3
	2 Child was born with low birth weight (1501-2500g)	3106	6.2	6.6	7.9
	3 Did not have low birth weight	43092	85.8	92.1	100.0
	Total	46803	93.2	100.0	
Missing	99 Missing	3409	6.8		
	Total	50212	100.0		

**BornPre\_16 Indicator 1.8: Children who were born premature, that is more than 3 weeks before their due date**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5302	10.6	10.7	10.7
	2 No	44223	88.1	89.3	100.0
	Total	49525	98.6	100.0	
Missing	99 Missing	687	1.4		
	Total	50212	100.0		

**Cond2more27\_16 Indicator 1.9: Children with one or more current health conditions out of 27 conditions**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have any current health conditions	29738	59.2	59.2	59.2
	2 Currently have 1 health condition	10351	20.6	20.6	79.8
	3 Currently have 2 or more health conditions	10123	20.2	20.2	100.0
	Total	50212	100.0	100.0	

**allergies\_16 Children currently have allergies including food, drug, insect, or other**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	36131	72.0	72.2	72.2
	2 Ever told, but do not currently have condition	2714	5.4	5.4	77.6
	3 Currently have condition	11195	22.3	22.4	100.0
	Total	50040	99.7	100.0	
Missing	99 Missing	172	.3		
Total		50212	100.0		

**arthritis\_16 Children currently have arthritis**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	49635	98.9	99.7	99.7
	2 Ever told, but do not currently have condition	35	.1	.1	99.7
	3 Currently have condition	138	.3	.3	100.0
	Total	49808	99.2	100.0	
Missing	99 Missing	404	.8		
Total		50212	100.0		

**asthma\_16 Children currently have asthma**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	43549	86.7	87.6	87.6
	2 Ever told, but do not currently have condition	2150	4.3	4.3	91.9
	3 Currently have condition	4030	8.0	8.1	100.0
	Total	49729	99.0	100.0	
Missing	99 Missing	483	1.0		
Total		50212	100.0		

**blood\_16 Children currently have blood disorders such as sickle cell disease, thalassemia, or hemophilia**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	49713	99.0	99.4	99.4
	2 Ever told, but do not currently have condition	73	.1	.1	99.6
	3 Currently have condition	218	.4	.4	100.0
	Total	50004	99.6	100.0	
Missing	99 Missing	208	.4		
Total		50212	100.0		

**BrainInj\_16 Children currently have a brain injury or concussion**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	47757	95.1	95.5	95.5
	2 Ever told, but do not currently have condition	1952	3.9	3.9	99.4
	3 Currently have condition	276	.5	.6	100.0
	Total	49985	99.5	100.0	
Missing	99 Missing	227	.5		
Total		50212	100.0		

**palsy\_16 Children currently have cerebral palsy**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	49844	99.3	99.7	99.7
	2 Ever told, but do not currently have condition	24	.0	.0	99.7
	3 Currently have condition	135	.3	.3	100.0
	Total	50003	99.6	100.0	
Missing	99 Missing	209	.4		
Total		50212	100.0		

**CystFib\_16 Children currently have cystic fibrosis**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	49941	99.5	99.9	99.9
	2 Ever told, but do not currently have condition	9	.0	.0	99.9
	3 Currently have condition	27	.1	.1	100.0
	Total	49977	99.5	100.0	
Missing	99 Missing	235	.5		
Total		50212	100.0		

**diabetes\_16 Children currently have diabetes**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	49748	99.1	99.5	99.5
	2 Ever told, but do not currently have condition	18	.0	.0	99.5
	3 Currently have condition	232	.5	.5	100.0
	Total	49998	99.6	100.0	
Missing	99 Missing	214	.4		
Total		50212	100.0		

**DownSynd\_16 Children currently have Down Syndrome**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	49938	99.5	99.8	99.8
	2 Ever told, but do not currently have condition	9	.0	.0	99.8
	3 Currently have condition	86	.2	.2	100.0
	Total	50033	99.6	100.0	
Missing	99 Missing	179	.4		
Total		50212	100.0		

**seizure\_16 Children currently have epilepsy or seizure disorder**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	49482	98.5	98.9	98.9
	2 Ever told, but do not currently have condition	205	.4	.4	99.4
	3 Currently have condition	321	.6	.6	100.0
	Total	50008	99.6	100.0	
Missing	99 Missing	204	.4		
Total		50212	100.0		

**genetic\_16 Children currently have a genetic or inherited condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	48234	96.1	96.5	96.5
	2 Ever told, but do not currently have condition	104	.2	.2	96.7
	3 Currently have condition	1650	3.3	3.3	100.0
	Total	49988	99.6	100.0	
Missing	99 Missing	224	.4		
Total		50212	100.0		

**heart\_16 Children currently have a heart condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	48872	97.3	97.7	97.7
	2 Ever told, but do not currently have condition	510	1.0	1.0	98.7
	3 Currently have condition	650	1.3	1.3	100.0
	Total	50032	99.6	100.0	
Missing	99 Missing	180	.4		
Total		50212	100.0		

**headache\_16 Children currently have frequent severe headache, including migraine, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	41009	81.7	95.2	95.2
	2 Ever told, but do not currently have condition	536	1.1	1.2	96.5
	3 Currently have condition	1517	3.0	3.5	100.0
	Total	43062	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	221	.4		
	Total	7150	14.2		
Total		50212	100.0		

**tourette\_16 Children currently have Tourette Syndrome, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	43009	85.7	99.7	99.7
	2 Ever told, but do not currently have condition	19	.0	.0	99.8
	3 Currently have condition	106	.2	.2	100.0
	Total	43134	85.9	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	149	.3		
	Total	7078	14.1		
Total		50212	100.0		

**anxiety\_16 Children currently have anxiety problems, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	38639	77.0	89.9	89.9
	2 Ever told, but do not currently have condition	595	1.2	1.4	91.2
	3 Currently have condition	3763	7.5	8.8	100.0
	Total	42997	85.6	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	286	.6		
	Total	7215	14.4		
Total		50212	100.0		

**depress\_16 Children currently have depression, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	40932	81.5	95.0	95.0
	2 Ever told, but do not currently have condition	470	.9	1.1	96.1
	3 Currently have condition	1672	3.3	3.9	100.0
	Total	43074	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	209	.4		
	Total	7138	14.2		
Total		50212	100.0		

**behavior\_16 Children currently have behavioral or conduct problems, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	39128	77.9	90.9	90.9
	2 Ever told, but do not currently have condition	750	1.5	1.7	92.6
	3 Currently have condition	3173	6.3	7.4	100.0
	Total	43051	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	232	.5		
	Total	7161	14.3		
Total		50212	100.0		

**SubAbuse\_16 Children currently have substance abuse disorder, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	35017	69.7	99.7	99.7
	2 Ever told, but do not currently have condition	44	.1	.1	99.8
	3 Currently have condition	67	.1	.2	100.0
	Total	35128	70.0	100.0	
Missing	95 Children age 0-5 years	14494	28.9		
	99 Missing	590	1.2		
	Total	15084	30.0		
Total		50212	100.0		

**DevDelay\_16 Children currently have any developmental delay, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	40197	80.1	93.3	93.3
	2 Ever told, but do not currently have condition	764	1.5	1.8	95.1
	3 Currently have condition	2114	4.2	4.9	100.0
	Total	43075	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	208	.4		
	Total	7137	14.2		
Total		50212	100.0		

**IntDisab\_16 Children currently have intellectual disability or mental retardation, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	42600	84.8	98.9	98.9
	2 Ever told, but do not currently have condition	12	.0	.0	98.9
	3 Currently have condition	459	.9	1.1	100.0
	Total	43071	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	212	.4		
	Total	7141	14.2		
Total		50212	100.0		

**speech\_16 Children currently have any stuttering, stammering, or other speech problems, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	39672	79.0	92.1	92.1
	2 Ever told, but do not currently have condition	1347	2.7	3.1	95.2
	3 Currently have condition	2070	4.1	4.8	100.0
	Total	43089	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	194	.4		
	Total	7123	14.2		
Total		50212	100.0		

**learning\_16 Children currently have a learning disability, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	39909	79.5	92.6	92.6
	2 Ever told, but do not currently have condition	219	.4	.5	93.1
	3 Currently have condition	2959	5.9	6.9	100.0
	Total	43087	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	196	.4		
	Total	7125	14.2		
Total		50212	100.0		

**OthrMent\_16 Children currently have any other mental health condition, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	40563	80.8	93.8	93.8
	2 Ever told, but do not currently have condition	145	.3	.3	94.2
	3 Currently have condition	2522	5.0	5.8	100.0
	Total	43230	86.1	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	53	.1		
	Total	6982	13.9		
Total		50212	100.0		

**autism\_16 Children currently have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	41803	83.3	97.2	97.2
	2 Ever told, but do not currently have condition	87	.2	.2	97.4
	3 Currently have condition	1131	2.3	2.6	100.0
	Total	43021	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	262	.5		
	Total	7191	14.3		
Total		50212	100.0		

**ADHD\_16 Children currently have ADD or ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	38209	76.1	89.2	89.2
	2 Ever told, but do not currently have condition	380	.8	.9	90.1
	3 Currently have condition	4252	8.5	9.9	100.0
	Total	42841	85.3	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	442	.9		
	Total	7371	14.7		
Total		50212	100.0		

**hearing\_16 Children who have deafness or problems with hearing**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	593	1.2	1.2	1.2
	2 No	49250	98.1	98.8	100.0
	Total	49843	99.3	100.0	
Missing	99 Missing	369	.7		
Total		50212	100.0		

**vision\_16 “Children who have blindness or problems with seeing, even when wearing glasses”**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	606	1.2	1.2	1.2
	2 No	49358	98.3	98.8	100.0
	Total	49964	99.5	100.0	
Missing	99 Missing	248	.5		
	Total	50212	100.0		

**AllerSev\_16 Parent-rated severity of current allergies including food, drug, insect, or other**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	38845	77.4	77.7	77.7
	2 Current condition, rated mild	6551	13.0	13.1	90.8
	3 Current condition, rated moderate/severe	4618	9.2	9.2	100.0
	Total	50014	99.6	100.0	
Missing	99 Missing	198	.4		
	Total	50212	100.0		

**ArthrSev\_16 Parent-rated severity of current arthritis**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49670	98.9	99.7	99.7
	2 Current condition, rated mild	76	.2	.2	99.9
	3 Current condition, rated moderate/severe	60	.1	.1	100.0
	Total	49806	99.2	100.0	
Missing	99 Missing	406	.8		
	Total	50212	100.0		

**AsthmSev\_16 Parent-rated severity of current asthma**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	45699	91.0	91.9	91.9
	2 Current condition, rated mild	2856	5.7	5.7	97.7
	3 Current condition, rated moderate/severe	1152	2.3	2.3	100.0
	Total	49707	99.0	100.0	
Missing	99 Missing	505	1.0		
Total		50212	100.0		

**BloodSev\_16 Parent-rated severity of current blood disorders (such as sickle cell disease, thalassemia, or hemophilia)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49786	99.2	99.6	99.6
	2 Current condition, rated mild	145	.3	.3	99.9
	3 Current condition, rated moderate/severe	72	.1	.1	100.0
	Total	50003	99.6	100.0	
Missing	99 Missing	209	.4		
Total		50212	100.0		

**BrainSev\_16 Parent-rated severity of current brain injury, concussion, or head injury**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49709	99.0	99.4	99.4
	2 Current condition, rated mild	107	.2	.2	99.7
	3 Current condition, rated moderate/severe	169	.3	.3	100.0
	Total	49985	99.5	100.0	
Missing	99 Missing	227	.5		
Total		50212	100.0		

**PalsySev\_16 Parent-rated severity of current cerebral palsy**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49868	99.3	99.7	99.7
	2 Current condition, rated mild	53	.1	.1	99.8
	3 Current condition, rated moderate/severe	82	.2	.2	100.0
	Total	50003	99.6	100.0	
Missing	99 Missing	209	.4		
Total		50212	100.0		

**DiabetSev\_16 Parent-rated severity of current diabetes**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49766	99.1	99.5	99.5
	2 Current condition, rated mild	51	.1	.1	99.6
	3 Current condition, rated moderate/severe	176	.4	.4	100.0
	Total	49993	99.6	100.0	
Missing	99 Missing	219	.4		
Total		50212	100.0		

**DownSSev\_16 Parent-rated severity of current Down Syndrome**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49947	99.5	99.8	99.8
	2 Current condition, rated mild	26	.1	.1	99.9
	3 Current condition, rated moderate/severe	59	.1	.1	100.0
	Total	50032	99.6	100.0	
Missing	99 Missing	180	.4		
Total		50212	100.0		

**SeizSev\_16 Parent-rated severity of current epilepsy or seizure disorder**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49687	99.0	99.4	99.4
	2 Current condition, rated mild	180	.4	.4	99.7
	3 Current condition, rated moderate/severe	137	.3	.3	100.0
	Total	50004	99.6	100.0	
Missing	99 Missing	208	.4		
Total		50212	100.0		

**GenetSev\_16 Parent-rated severity of current genetic or inherited condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	48338	96.3	96.7	96.7
	2 Current condition, rated mild	650	1.3	1.3	98.0
	3 Current condition, rated moderate/severe	985	2.0	2.0	100.0
	Total	49973	99.5	100.0	
Missing	99 Missing	239	.5		
Total		50212	100.0		

**HeartSev\_16 Parent-rated severity of current heart condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	49382	98.3	98.7	98.7
	2 Current condition, rated mild	495	1.0	1.0	99.7
	3 Current condition, rated moderate/severe	149	.3	.3	100.0
	Total	50026	99.6	100.0	
Missing	99 Missing	186	.4		
Total		50212	100.0		

**HeadSev\_16 Parent-rated severity of current frequent or severe headaches including migraine, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	41545	82.7	96.5	96.5
	2 Current condition, rated mild	747	1.5	1.7	98.2
	3 Current condition, rated moderate/severe	754	1.5	1.8	100.0
	Total	43046	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	237	.5		
	Total	7166	14.3		
Total		50212	100.0		

**TouretSev\_16 Parent-rated severity of current Tourette Syndrome, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	43028	85.7	99.8	99.8
	2 Current condition, rated mild	65	.1	.2	99.9
	3 Current condition, rated moderate/severe	41	.1	.1	100.0
	Total	43134	85.9	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	149	.3		
	Total	7078	14.1		
Total		50212	100.0		

**AnxietSev\_16 Parent-rated severity of current anxiety, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	39234	78.1	91.3	91.3
	2 Current condition, rated mild	1796	3.6	4.2	95.5
	3 Current condition, rated moderate/severe	1942	3.9	4.5	100.0
	Total	42972	85.6	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	311	.6		
	Total	7240	14.4		
Total		50212	100.0		

**DepresSev\_16 Parent-rated severity of current depression, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	41402	82.5	96.2	96.2
	2 Current condition, rated mild	806	1.6	1.9	98.0
	3 Current condition, rated moderate/severe	851	1.7	2.0	100.0
	Total	43059	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	224	.4		
	Total	7153	14.2		
Total		50212	100.0		

**BehavSev\_16 Parent-rated severity of current behavioral or conduct problems, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	39878	79.4	92.7	92.7
	2 Current condition, rated mild	1354	2.7	3.1	95.8
	3 Current condition, rated moderate/severe	1803	3.6	4.2	100.0
	Total	43035	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	248	.5		
	Total	7177	14.3		
Total		50212	100.0		

**SubAbSev\_16 Parent-rated severity of current substance abuse disorder, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	35061	69.8	99.8	99.8
	2 Current condition, rated mild	28	.1	.1	99.9
	3 Current condition, rated moderate/severe	37	.1	.1	100.0
	Total	35126	70.0	100.0	
Missing	95 Children age 0-5 years	14494	28.9		
	99 Missing	592	1.2		
	Total	15086	30.0		
Total		50212	100.0		

**DevDelSev\_16 Parent-rated severity of child's developmental delay, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	40961	81.6	95.1	95.1
	2 Current condition, rated mild	921	1.8	2.1	97.3
	3 Current condition, rated moderate/severe	1178	2.3	2.7	100.0
	Total	43060	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	223	.4		
	Total	7152	14.2		
Total		50212	100.0		

**IntDisSev\_16 Parent-rated severity of current intellectual disability or mental retardation, age 3-17 year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	42612	84.9	98.9	98.9
	2 Current condition, rated mild	152	.3	.4	99.3
	3 Current condition, rated moderate/severe	303	.6	.7	100.0
	Total	43067	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	216	.4		
	Total	7145	14.2		
Total		50212	100.0		

**SpeechSev\_16 Parent-rated severity of current speech or other language disorder, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	41019	81.7	95.2	95.2
	2 Current condition, rated mild	1214	2.4	2.8	98.0
	3 Current condition, rated moderate/severe	851	1.7	2.0	100.0
	Total	43084	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	199	.4		
	Total	7128	14.2		
Total		50212	100.0		

**LearnSev\_16 Parent-rated severity of current learning disability, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	40128	79.9	93.2	93.2
	2 Current condition, rated mild	1398	2.8	3.2	96.4
	3 Current condition, rated moderate/severe	1532	3.1	3.6	100.0
	Total	43058	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	225	.4		
	Total	7154	14.2		
Total		50212	100.0		

**OthMHSev\_16 Parent-rated severity of current other mental health condition, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	40708	81.1	94.2	94.2
	2 Current condition, rated mild	825	1.6	1.9	96.2
	3 Current condition, rated moderate/severe	1660	3.3	3.8	100.0
	Total	43193	86.0	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	90	.2		
	Total	7019	14.0		
Total		50212	100.0		

**AutismSev\_16 Parent-rated severity of current autism, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	41890	83.4	97.4	97.4
	2 Current condition, rated mild	576	1.1	1.3	98.7
	3 Current condition, rated moderate/severe	547	1.1	1.3	100.0
	Total	43013	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	270	.5		
	Total	7199	14.3		
Total		50212	100.0		

**ADHDSev\_16 Parent-rated severity of current ADD/ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	38589	76.9	90.2	90.2
	2 Current condition, rated mild	1868	3.7	4.4	94.5
	3 Current condition, rated moderate/severe	2337	4.7	5.5	100.0
	Total	42794	85.2	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	489	1.0		
	Total	7418	14.8		
Total		50212	100.0		

**Diff2more\_16 Indicator 1.10: Children who experience two or more functional difficulties from a list of 12 difficulties**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Did not have any difficulties	37560	74.8	74.9	74.9
	1 One functional difficulty	8097	16.1	16.2	91.1
	2 Two or more functional difficulties	4477	8.9	8.9	100.0
	Total	50134	99.8	100.0	
Missing	99 Missing to all	78	.2		
Total		50212	100.0		

**DiffBreath\_16 Children who have experienced breathing or other respiratory problems (such as wheezing or shortness of breath) in the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4149	8.3	8.3	8.3
	2 No	45840	91.3	91.7	100.0
	Total	49989	99.6	100.0	
Missing	99 Missing	223	.4		
Total		50212	100.0		

**DiffSwall\_16 Children who have had difficulty with eating or swallowing in the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	704	1.4	1.4	1.4
	2 No	49108	97.8	98.6	100.0
	Total	49812	99.2	100.0	
Missing	99 Missing	400	.8		
Total		50212	100.0		

**DiffDigest\_16 Children who have had digesting food, including stomach/intestinal problems, constipation, or diarrhea in the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3717	7.4	7.5	7.5
	2 No	46034	91.7	92.5	100.0
	Total	49751	99.1	100.0	
Missing	99 Missing	461	.9		
Total		50212	100.0		

**DiffPain\_16 Children who have had difficulty with repeated or chronic physical pain, including headaches or other back or body pain in the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3229	6.4	6.5	6.5
	2 No	46656	92.9	93.5	100.0
	Total	49885	99.3	100.0	
Missing	99 Missing	327	.7		
Total		50212	100.0		

**DiffHands\_16 Children who have had difficulty using their hands in the past 12 months, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	869	1.7	6.0	6.0
	2 No	13544	27.0	94.0	100.0
	Total	14413	28.7	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	99 Missing	81	.2		
	Total	35799	71.3		
Total		50212	100.0		

**DiffCoor\_16 Children who have had difficulty with coordination or moving around in the past 12 month, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	977	1.9	6.8	6.8
	2 No	13433	26.8	93.2	100.0
	Total	14410	28.7	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	99 Missing	84	.2		
	Total	35802	71.3		
Total		50212	100.0		

**DiffMem\_16 Children who have serious difficulty concentrating, remembering, or making decisions because of a physical, mental, or emotional condition, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3368	6.7	9.6	9.6
	2 No	31665	63.1	90.4	100.0
	Total	35033	69.8	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	685	1.4		
	Total	15179	30.2		
Total		50212	100.0		

**DiffWalk\_16 Children who have serious difficulty walking or climbing stairs, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	261	.5	.7	.7
	2 No	34731	69.2	99.3	100.0
	Total	34992	69.7	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	726	1.4		
	Total	15220	30.3		
Total		50212	100.0		

**DiffDress\_16 Children who have difficulty dressing or bathing, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	451	.9	1.3	1.3
	2 No	34371	68.5	98.7	100.0
	Total	34822	69.3	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	896	1.8		
	Total	15390	30.7		
Total		50212	100.0		

**DiffErrand\_16 Children who have difficulty doing errands alone, such as visiting a doctor's office or shopping, because of a physical, mental, or emotional condition, age 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	826	1.6	4.1	4.1
	2 No	19384	38.6	95.9	100.0
	Total	20210	40.2	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	99 Missing	498	1.0		
	Total	30002	59.8		
Total		50212	100.0		

**CSHCN\_16 Indicator 1.11: Children with special health care needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN	11392	22.7	22.7	22.7
	2 Non-CSHCN	38820	77.3	77.3	100.0
	Total	50212	100.0	100.0	

**rxmeds\_16 Children qualifying on the CSHCN Screener prescription medication criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	8648	17.2	17.2	17.2
	2 No	41564	82.8	82.8	100.0
	Total	50212	100.0	100.0	

**serve\_16 Children qualifying on the CSHCN Screener for elevated use of services criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5719	11.4	11.4	11.4
	2 No	44493	88.6	88.6	100.0
	Total	50212	100.0	100.0	

**func\_16 Children qualifying on the CSHCN Screener functional limitations criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2579	5.1	5.1	5.1
	2 No	47633	94.9	94.9	100.0
	Total	50212	100.0	100.0	

**therapy\_16 Children qualifying on the CSHCN Screener specialized therapy criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2618	5.2	5.2	5.2
	2 No	47594	94.8	94.8	100.0
	Total	50212	100.0	100.0	

**mhealth\_16 Qualified on ongoing emotional, developmental or behavioral conditions**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4665	9.3	9.3	9.3
	2 No	45547	90.7	90.7	100.0
	Total	50212	100.0	100.0	

**qualnum4\_16 Number of CSHCN Screener criteria CSHCN met**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Qualified on 1 screener criteria	5076	10.1	44.6	44.6
	2.00 Qualified on 2 screener criteria	2466	4.9	21.6	66.2
	3.00 Qualified on 3 screener criteria	1958	3.9	17.2	83.4
	4.00 Qualified on 4 or 5 screener criteria	1892	3.8	16.6	100.0
	Total	11392	22.7	100.0	
Missing	.00 Non-CSHCN	38820	77.3		
	Total	50212	100.0		

**CSHCNtype\_16 Children with specific types of special health care needs based on CSHCN screening criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Non-CSHCN	38820	77.3	77.3	77.3
	1 Func (only or w/ any other)	2579	5.1	5.1	82.4
	2 Rx meds ONLY	3817	7.6	7.6	90.1
	3 Service use ONLY	1794	3.6	3.6	93.6
	4 Rx meds AND service use	3202	6.4	6.4	100.0
	Total	50212	100.0	100.0	

**CSHCNComplex\_16 CSHCN status and complexity of health care needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Non-CSHCN	38820	77.3	77.3	77.3
	1 CSHCN with less complex health needs	3817	7.6	7.6	84.9
	2 CSHCN with more complex health needs	7575	15.1	15.1	100.0
	Total	50212	100.0	100.0	

**mhneeds\_16 CSHCN with and without ongoing emotional, developmental and/or behavioral health special needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN qualifying on mhealth (Q5 + any)	4665	9.3	9.3	9.3
	2 CSHCN not qualifying on mhealth (no Q5)	6727	13.4	13.4	22.7
	3 Non-CSHCN	38820	77.3	77.3	100.0
	Total	50212	100.0	100.0	

**DailyAct\_16 Indicator 1.12: Extent to which children's health conditions affect their daily activities, among children who have any condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Daily activities never affected	11571	23.0	59.4	59.4
	2 Daily activities moderately affected some of time	6231	12.4	32.0	91.4
	3 Daily activities consistently affected, often a great deal	1673	3.3	8.6	100.0
	Total	19475	38.8	100.0	
Missing	0 Do not have any conditions	30343	60.4		
	99 Missing to both items	394	.8		
	Total	30737	61.2		
Total		50212	100.0		

**SECTION 2: Emotional and Mental Health**

**bully\_16 Indicator 2.1: Children bully others, pick on them or exclude them, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely or somewhat true	1981	3.9	5.7	5.7
	2 Not true	33036	65.8	94.3	100.0
	Total	35017	69.7	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	701	1.4		
	Total	15195	30.3		
Total		50212	100.0		

**bullied\_16 Indicator 2.2: Children who are bullied, picked on, or excluded by other children, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely or somewhat true	7995	15.9	22.9	22.9
	2 Not true	26924	53.6	77.1	100.0
	Total	34919	69.5	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	799	1.6		
	Total	15293	30.5		
Total		50212	100.0		

**flrish0to5\_16 Indicator 2.3: Flourishing for young children, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true response to 0-3 items	4103	8.2	30.1	30.1
	2 Definitely true response to all 4 items	9535	19.0	69.9	100.0
	Total	13638	27.2	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age <6 months	830	1.7		
	99 Missing to all 4 items	26	.1		
Total		36574	72.8		
Total		50212	100.0		

**tender\_16 Children are affectionate and tender with parent, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	12967	25.8	95.4	95.4
	2 Somewhat true or Not true	627	1.2	4.6	100.0
	Total	13594	27.1	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age <6 months	830	1.7		
	99 Missing	70	.1		
	Total	36618	72.9		
Total		50212	100.0		

**resil0to5\_16 Children who bounce back quickly when things don't go his/her way, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	9988	19.9	73.6	73.6
	2 Somewhat true or Not true	3590	7.1	26.4	100.0
	Total	13578	27.0	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age <6 months	830	1.7		
	99 Missing	86	.2		
	Total	36634	73.0		
Total		50212	100.0		

**curious0to5\_16 Children who show interest and curiosity in learning new things, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	13101	26.1	96.3	96.3
	2 Somewhat true or Not true	501	1.0	3.7	100.0
	Total	13602	27.1	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age <6 months	830	1.7		
	99 Missing	62	.1		
	Total	36610	72.9		
Total		50212	100.0		

**smile\_16 Children who smile and laugh a lot, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	13242	26.4	97.3	97.3
	2 Somewhat true or Not true	369	.7	2.7	100.0
	Total	13611	27.1	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age <6 months	830	1.7		
	99 Missing	53	.1		
	Total	36601	72.9		
Total		50212	100.0		

**flrish6to17\_16 Indicator 2.4: Flourishing for children and adolescents, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true response to 0-1 items	11557	23.0	32.4	32.4
	2 Definitely true response to 2 items	9236	18.4	25.9	58.3
	3 Definitely true response to all 3 items	14850	29.6	41.7	100.0
	Total	35643	71.0	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing to all 3 items	75	.1		
	Total	14569	29.0		
Total		50212	100.0		

**curious6to17\_16 Children who show interest and curiosity in learning new things, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	29835	59.4	84.0	84.0
	2 Somewhat true or Not true	5681	11.3	16.0	100.0
	Total	35516	70.7	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	202	.4		
	Total	14696	29.3		
Total		50212	100.0		

**finishes\_16 Children who work to finish the tasks they start, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	22915	45.6	65.4	65.4
	2 Somewhat true or Not true	12107	24.1	34.6	100.0
	Total	35022	69.7	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	696	1.4		
	Total	15190	30.3		
Total		50212	100.0		

**resil6to17\_16 Children who stay calm and in control when faced with a challenge, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	17881	35.6	51.1	51.1
	2 Somewhat true	15025	29.9	42.9	94.0
	3 Not true	2116	4.2	6.0	100.0
	Total	35022	69.7	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	696	1.4		
	Total	15190	30.3		
Total		50212	100.0		

**argue\_16 Indicator 2.5: Children who argue too much, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	2238	4.5	6.4	6.4
	2 Somewhat true	9121	18.2	26.0	32.4
	3 Not true	23716	47.2	67.6	100.0
	Total	35075	69.9	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	643	1.3		
	Total	15137	30.1		
Total		50212	100.0		

**MakeFriend\_16 Indicator 2.6: Difficulties making and keeping friends, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No difficulty	26940	53.7	77.0	77.0
	2 A little or a lot of difficulty	8036	16.0	23.0	100.0
	Total	34976	69.7	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	742	1.5		
	Total	15236	30.3		
Total		50212	100.0		

**ADHDind\_16 Indicator 2.7: Children who currently have ADD or ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	38209	76.1	89.2	89.2
	2 Ever told, but do not currently have condition	380	.8	.9	90.1
	3 Currently have condition	4252	8.5	9.9	100.0
	Total	42841	85.3	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	442	.9		
	Total	7371	14.7		
Total		50212	100.0		

**ADHDSevInd\_16 Indicator 2.7a: Parent-rated severity of current ADD/ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	38589	76.9	90.2	90.2
	2 Current condition, rated mild	1868	3.7	4.4	94.5
	3 Current condition, rated moderate/severe	2337	4.7	5.5	100.0
	Total	42794	85.2	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	489	1.0		
	Total	7418	14.8		
Total		50212	100.0		

**ADHDMed\_16 Indicator 2.7b: Children currently taking medication for ADD or ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently have condition and taking medication	2749	5.5	6.4	6.4
	2 Currently have condition but not taking medication	1480	2.9	3.5	9.9
	3 Do not currently have condition	38589	76.9	90.1	100.0
	Total	42818	85.3	100.0	
Missing	95 Children age 0-2 year	6929	13.8		
	99 Missing	465	.9		
	Total	7394	14.7		
Total		50212	100.0		

**ADHDBehTreat\_16 Indicator 2.7c: Received behavioral treatment for ADD/ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently have condition and received behavioral treatment	1927	3.8	4.5	4.5
	2 Currently have condition but did not receive behavioral treatment	2310	4.6	5.4	9.9
	3 Do not currently have condition	38589	76.9	90.1	100.0
	Total	42826	85.3	100.0	
Missing	95 Children age 0-2 year	6929	13.8		
	99 Missing	457	.9		
	Total	7386	14.7		
Total		50212	100.0		

**AutismInd\_16 Indicator 2.8: Children who currently have autism or Autism Spectrum Disorder, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	41803	83.3	97.2	97.2
	2 Ever told, but do not currently have condition	87	.2	.2	97.4
	3 Currently have condition	1131	2.3	2.6	100.0
	Total	43021	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	262	.5		
	Total	7191	14.3		
Total		50212	100.0		

**ASDSelvInd\_16 Indicator 2.8a: Parent-rated severity of current autism, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	41890	83.4	97.4	97.4
	2 Current condition, rated mild	576	1.1	1.3	98.7
	3 Current condition, rated moderate/severe	547	1.1	1.3	100.0
	Total	43013	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	270	.5		
	Total	7199	14.3		
Total		50212	100.0		

**ASDMed\_16 Indicator 2.8b: Children currently taking medication for autism/ASD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently have condition and taking medication	329	.7	.8	.8
	2 Currently have condition but not taking medication	791	1.6	1.8	2.6
	3 Do not currently have condition or missing	41890	83.4	97.4	100.0
	Total	43010	85.7	100.0	
Missing	95 Children age 0-2 year	6929	13.8		
	99 Missing	273	.5		
	Total	7202	14.3		
Total		50212	100.0		

**ASDBehTreat\_16 Indicator 2.8c: Children currently have autism/ASD who received behavioral treatment for autism/ASD during the past 12 months, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently have condition and received behavioral treatment	696	1.4	1.6	1.6
	2 Currently have condition but did not receive behavioral treatment	426	.8	1.0	2.6
	3 Do not currently have condition	41890	83.4	97.4	100.0
	Total	43012	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	271	.5		
	Total	7200	14.3		
Total		50212	100.0		

**ASDAge\_16 Indicator 2.8d: Age of diagnosis for autism/ASD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-2 years	259	.5	23.1	23.1
	2 3-5 years	479	1.0	42.7	65.8
	3 Older than 5 years	383	.8	34.2	100.0
	Total	1121	2.2	100.0	
Missing	995 Children age 0-2 year	6929	13.8		
	998 Never told that child has autism/ASD	41803	83.3		
	999 Don't know/Missing	359	.7		
	Total	49091	97.8		
Total		50212	100.0		

**ASDDrType\_16 Indicator 2.8e: Type of doctor or other health care provider was the FIRST to tell that this child had autism/ASD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Primary Care Provider	167	.3	14.1	14.1
	2 Specialist	405	.8	34.2	48.4
	3 Mental health professional	490	1.0	41.4	89.8
	4 Other	121	.2	10.2	100.0
	Total	1183	2.4	100.0	
Missing	95 Children age 0-2 year	6929	13.8		
	96 Never told that child has ASD	41803	83.3		
	99 Don't Know/Missing	297	.6		
	Total	49029	97.6		
Total		50212	100.0		

**MedEmotion\_16 Indicator 2.9: Children who are taking medication for autism/ASD, ADHD, emotions, concentration or behavior, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4327	8.6	10.1	10.1
	2 No	38495	76.7	89.9	100.0
	Total	42822	85.3	100.0	
Missing	90 Children age 0-2 years	6929	13.8		
	99 Missing	461	.9		
	Total	7390	14.7		
Total		50212	100.0		

**SECTION 3: Health Insurance Coverage****CurrIns\_16 Indicator 3.1: Health insurance status at time of survey**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently insured	48244	96.1	96.4	96.4
	2 Currently uninsured	1780	3.5	3.6	100.0
	Total	50024	99.6	100.0	
Missing	99 Missing	188	.4		
	Total	50212	100.0		

**InsGap\_16 Indicator 3.2: Children who had consistent health insurance coverage during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Insured continuously all year	47346	94.3	95.0	95.0
	2 Child had a gap in coverage	2504	5.0	5.0	100.0
	Total	49850	99.3	100.0	
Missing	99 Missing	362	.7		
	Total	50212	100.0		

**NoCovEmp\_16 Child was not covered by health insurance due to change in parent's employment status**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to employment change	707	1.4	29.3	29.3
	2 Gap not related to employment change	1706	3.4	70.7	100.0
	Total	2413	4.8	100.0	
Missing	95 Insured continuously all year	47346	94.3		
	99 Missing	453	.9		
	Total	47799	95.2		
	Total	50212	100.0		

**NoCovOverdue\_16 Child was not covered by health insurance because of cancellation due to overdue premium**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to overdue premium	120	.2	5.0	5.0
	2 Gap not related to overdue premium	2293	4.6	95.0	100.0
	Total	2413	4.8	100.0	
Missing	95 Insured continuously all year	47346	94.3		
	99 Missing	453	.9		
	Total	47799	95.2		
	Total	50212	100.0		

**NoCovUnafford\_16 Dropped health insurance coverage because it was unaffordable**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to unaffordability	438	.9	18.2	18.2
	2 Gap not related to unaffordability	1975	3.9	81.8	100.0
	Total	2413	4.8	100.0	
Missing	95 Insured continuously all year	47346	94.3		
	99 Missing	453	.9		
	Total	47799	95.2		
Total		50212	100.0		

**NoCovBenInadeq\_16 Dropped health insurance coverage because benefits were inadequate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to inadequacy of coverage	131	.3	5.4	5.4
	2 Gap not due to inadequacy of coverage	2282	4.5	94.6	100.0
	Total	2413	4.8	100.0	
Missing	95 Insured continuously all year	47346	94.3		
	99 Missing	453	.9		
	Total	47799	95.2		
Total		50212	100.0		

**NoCovProvInadeq\_16 Dropped health insurance coverage because choice of health care provider was inadequate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to provider options	87	.2	3.6	3.6
	2 Gap not related to inadequacy of provider options	2326	4.6	96.4	100.0
	Total	2413	4.8	100.0	
Missing	95 Insured continuously all year	47346	94.3		
	99 Missing	453	.9		
	Total	47799	95.2		
Total		50212	100.0		

**NoCovRenew\_16 Child was not covered by insurance due to problems with application or renewal process**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to renewal or application process	560	1.1	23.2	23.2
	2 Gap not related to renewal or application process	1853	3.7	76.8	100.0
	Total	2413	4.8	100.0	
Missing	95 Insured continuously all year	47346	94.3		
	99 Missing	453	.9		
	Total	47799	95.2		
Total		50212	100.0		

**NoCovOther\_16 Child was not covered by insurance due to other reasons**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to other reasons	443	.9	18.4	18.4
	2 Gap not related to other reasons	1970	3.9	81.6	100.0
	Total	2413	4.8	100.0	
Missing	95 Insured continuously all year	47346	94.3		
	99 Missing	453	.9		
	Total	47799	95.2		
Total		50212	100.0		

**instype\_16 Indicator 3.3: Type of current health insurance**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Public only	9189	18.3	18.4	18.4
	2 Private only	36703	73.1	73.4	91.7
	3 Public and private	1794	3.6	3.6	95.3
	4 Insured, type unknown	558	1.1	1.1	96.4
	5 Uninsured	1780	3.5	3.6	100.0
	Total	50024	99.6	100.0	
Missing	99 Missing	188	.4		
Total		50212	100.0		

**benefits\_16 Current insurance coverage meets child's health needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	31284	62.3	65.3	65.3
	2 Usually	13579	27.0	28.4	93.7
	3 Never/Sometimes	3018	6.0	6.3	100.0
	Total	47881	95.4	100.0	
Missing	95 Uninsured	1780	3.5		
	99 Missing	551	1.1		
	Total	2331	4.6		
Total		50212	100.0		

**allows\_16 Current insurance coverage allows child to see needed provider**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	37514	74.7	78.5	78.5
	2 Usually	8589	17.1	18.0	96.5
	3 Never/Sometimes	1684	3.4	3.5	100.0
	Total	47787	95.2	100.0	
Missing	95 Uninsured	1780	3.5		
	99 Missing	645	1.3		
	Total	2425	4.8		
Total		50212	100.0		

**expense\_16 Current insurance coverage has reasonable out of pocket costs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No out of pocket expenses	9864	19.6	20.7	20.7
	1 Always	9061	18.0	19.0	39.7
	2 Usually	16367	32.6	34.4	74.1
	3 Never/Sometimes	12329	24.6	25.9	100.0
	Total	47621	94.8	100.0	
Missing	95 Uninsured	1780	3.5		
	99 Missing	811	1.6		
	Total	2591	5.2		
Total		50212	100.0		

**InsAdeq\_16 Indicator 3.4: Adequacy of current Insurance coverage**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Current insurance adequate for child's needs	34690	69.1	72.1	72.1
	2 Current insurance NOT adequate for child's needs	13450	26.8	27.9	100.0
	Total	48140	95.9	100.0	
Missing	95 Uninsured	1780	3.5		
	99 Missing to all questions	292	.6		
	Total	2072	4.1		
Total		50212	100.0		

**insurance\_16 Children who have adequate insurance and were covered entire year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have adequate insurance covered entire year	34322	68.4	68.6	68.6
	2 Do not have adequate insurance or uninsured	15716	31.3	31.4	100.0
	Total	50038	99.7	100.0	
Missing	99 Missing to both	174	.3		
	Total	50212	100.0		

**InsMentH\_16 Indicator 3.5: Insurance coverage for mental/behavioral health care, age 3-17 years who are insured and received mental health care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	3896	7.8	46.3	46.3
	2 Usually	2313	4.6	27.5	73.8
	3 Sometimes/Never	2206	4.4	26.2	100.0
	Total	8415	16.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	96 Did not receive mental health services/Uninsured at time of the survey	34476	68.7		
	99 Missing	392	.8		
	Total	41797	83.2		
Total		50212	100.0		

**OutOfPckt\_16 Indicator 3.6: Out-of-pocket payment for child's health care including medical, dental and vision care during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No medical or health care expenses or less than \$250	25318	50.4	51.2	51.2
	2 \$250 - \$499	8872	17.7	17.9	69.1
	3 \$500 - \$999	6655	13.3	13.5	82.6
	4 \$1000 - \$5000	7476	14.9	15.1	97.7
	5 More than \$5000	1153	2.3	2.3	100.0
	Total	49474	98.5	100.0	
Missing	99 Missing	738	1.5		
Total		50212	100.0		

**SECTION 4: Health Care Access and Quality****MedCare\_16 Indicator 4.1: Children who received any type of medical care during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received medical care	44602	88.8	89.0	89.0
	2 Did not receive any medical care	5532	11.0	11.0	100.0
	Total	50134	99.8	100.0	
Missing	99 Missing	78	.2		
Total		50212	100.0		

**PrevMed\_16 Indicator 4.1a: Children who had one or more preventive medical care visits during past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One or more preventive visits	42344	84.3	85.1	85.1
	2 No preventive care visits	7435	14.8	14.9	100.0
	Total	49779	99.1	100.0	
Missing	99 Missing	433	.9		
	Total	50212	100.0		

**VisitTime\_16 Indicator 4.1b: Time with doctor during last preventive check-up**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 10 minutes	7115	14.2	16.9	16.9
	2 10-20 minutes	27331	54.4	64.8	81.7
	3 More than 20 minutes	7724	15.4	18.3	100.0
	Total	42170	84.0	100.0	
Missing	95 No preventive care visits during last 12 months	7435	14.8		
	99 Missing	607	1.2		
	Total	8042	16.0		
	Total	50212	100.0		

**PrivateTalk\_16 Indicator 4.1c: Children whose doctors spoke with them privately without an adult in the room during last preventive check-up, age 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	8922	17.8	54.2	54.2
	2 No	7548	15.0	45.8	100.0
	Total	16470	32.8	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	95 No preventive care visits in past 12 months	3705	7.4		
	99 Missing	533	1.1		
	Total	33742	67.2		
	Total	50212	100.0		

**DentCare\_16 Indicator 4.2: Children who received any type of dental care during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Saw dentist and/or other oral health care provider	40866	81.4	85.2	85.2
	2 No dental or oral health care visits	7111	14.2	14.8	100.0
	Total	47977	95.5	100.0	
Missing	95 Children less than 1 year old	1852	3.7		
	99 Missing	383	.8		
	Total	2235	4.5		
Total		50212	100.0		

**PrevDent\_16 Indicator 4.2a: Children who had one or more preventive dental care visits during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One or more dental preventive visits	39646	79.0	83.0	83.0
	2 No preventive dental visits	8126	16.2	17.0	100.0
	Total	47772	95.1	100.0	
Missing	95 Children less than 1 year old	1852	3.7		
	99 Missing	588	1.2		
	Total	2440	4.9		
Total		50212	100.0		

**MedDentCare\_16 Indicator 4.3: Children received both preventive medical and dental care visits in past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received preventive medical and dental care	35485	70.7	72.0	72.0
	2 Did not receive preventive medical and dental care	13767	27.4	28.0	100.0
	Total	49252	98.1	100.0	
Missing	99 Missing to any	960	1.9		
	Total	50212	100.0		

**MentHCare\_16 Indicator 4.4: Children who received needed treatment or counseling from a mental health professional during the past 12 months, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received mental health care	5112	10.2	11.9	11.9
	2 Did not receive mental health care, but needed	808	1.6	1.9	13.7
	3 Did not receive mental health care, did not need	37154	74.0	86.3	100.0
	Total	43074	85.8	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	209	.4		
	Total	7138	14.2		
Total		50212	100.0		

**MentHProb\_16 Indicator 4.4a: Problems obtaining mental health care among those who received or needed care, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received or needed mental health care and did NOT have problem getting it	3358	6.7	58.1	58.1
	2 Received or needed mental health care but had a small or big problem getting it	2420	4.8	41.9	100.0
	Total	5778	11.5	100.0	
Missing	95 Did not need to see a mental health professional	37154	74.0		
	96 Children age 0-2 years	6929	13.8		
	99 Missing	351	.7		
	Total	44434	88.5		
Total		50212	100.0		

**SpecCare\_16 Indicator 4.5: Received care from a specialist doctor other than a mental health professional during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received care from a specialist	8506	16.9	17.1	17.1
	2 Did not receive care from a specialist, but needed	706	1.4	1.4	18.5
	3 Did not receive care from a specialist, not needed	40560	80.8	81.5	100.0
	Total	49772	99.1	100.0	
Missing	99 Missing	440	.9		
	Total	50212	100.0		

**SpCareProb\_16 Indicator 4.5a: Problem obtaining specialist care among those who received specialist care during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received or needed specialist care and did NOT have problem getting it	6857	13.7	76.2	76.2
	2 Received or needed specialist care but had a small or big problem getting it	2146	4.3	23.8	100.0
	Total	9003	17.9	100.0	
Missing	95 Did not need care from a specialist	40560	80.8		
	99 Missing	649	1.3		
	Total	41209	82.1		
	Total	50212	100.0		

**VisnTest\_16 Indicator 4.6: Children who received vision screening ever (0-5 years)/ during the past 2 years (6-17 years)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received vision screening	36272	72.2	72.5	72.5
	2 Did not receive vision screening	13783	27.4	27.5	100.0
	Total	50055	99.7	100.0	
Missing	99 Missing	157	.3		
	Total	50212	100.0		

**ERVisit\_16 Indicator 4.7: Number of hospital emergency room visits for any health reason in the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No visits	41424	82.5	82.8	82.8
	2 1 visit	6751	13.4	13.5	96.3
	3 2 or more visits	1830	3.6	3.7	100.0
	Total	50005	99.6	100.0	
Missing	99 Missing	207	.4		
Total		50212	100.0		

**AlterHC\_16 Indicator 4.8: Use of alternative health care or treatment during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4283	8.5	8.6	8.6
	2 No	45389	90.4	91.4	100.0
	Total	49672	98.9	100.0	
Missing	99 Missing	540	1.1		
Total		50212	100.0		

**DrAskConc\_16 Indicator 4.9: Doctor asked about parental concerns about the child's learning, development, or behavior, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5332	10.6	38.0	38.0
	2 No	8696	17.3	62.0	100.0
	Total	14028	27.9	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Did not use any of 4 services	439	.9		
	99 Missing	27	.1		
	Total	36184	72.1		
Total		50212	100.0		

**SpecServ\_16 Indicator 4.11: Children currently receive special services to meet child's developmental needs such as speech, occupational or behavioral therapy**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently receive services	3504	7.0	7.0	7.0
	2 Do not currently receive services	46293	92.2	93.0	100.0
	Total	49797	99.2	100.0	
Missing	99 Missing	415	.8		
Total		50212	100.0		

**SpSerAge\_16 Indicator 4.11a: Age start receiving special services to meet child's developmental needs such as speech, occupational or behavioral therapy**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 At age less than 3 years old	2142	4.3	27.9	27.9
	2 At age 3-5 years old	3117	6.2	40.6	68.5
	3 At age 6-17 years old	2421	4.8	31.5	100.0
	Total	7680	15.3	100.0	
Missing	0 Never received the services	41816	83.3		
	99 Missing	716	1.4		
	Total	42532	84.7		
Total		50212	100.0		

**DevScrnng\_16 Indicator 4.10: Children who received a developmental screening using a parent-completed screening tool, age 9-35 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Parent completed developmental screening	1963	3.9	35.7	35.7
	2.00 Parent did not complete developmental screening	3529	7.0	64.3	100.0
	Total	5492	10.9	100.0	
Missing	90.00 Children age 6-17 years	35718	71.1		
	95.00 Children age 0-8 months or 3-5 years	8826	17.6		
	99.00 Missing	176	.4		
	Total	44720	89.1		
Total		50212	100.0		

**MedHome\_16 Indicator 4.12: Percent of children receiving coordinated, ongoing, comprehensive care within a medical home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Care MEETS medical home criteria	27970	55.7	55.7	55.7
	2 Care DOES NOT meet medical home criteria	22207	44.2	44.3	100.0
	Total	50177	99.9	100.0	
Missing	99 Missing to any	35	.1		
	Total	50212	100.0		

**PerDrNs\_16 Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have at least one personal doctor or nurse	38857	77.4	77.8	77.8
	2 Do not have a personal doctor or nurse	11075	22.1	22.2	100.0
	Total	49932	99.4	100.0	
Missing	99 Missing	280	.6		
Total		50212	100.0		

**UsualSck\_16 Usual sources for sick care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have usual sources for sick care	41941	83.5	84.6	84.6
	2 Do not have usual sources for sick care	7638	15.2	15.4	100.0
	Total	49579	98.7	100.0	
Missing	99 Missing	633	1.3		
Total		50212	100.0		

**UsualPrev\_16 Usual sources for preventive care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have usual sources for preventive care	47277	94.2	94.7	94.7
	2 Do not have usual sources for preventive care	2640	5.3	5.3	100.0
	Total	49917	99.4	100.0	
Missing	99 Missing	295	.6		
Total		50212	100.0		

**FamCent\_16 Indicator 4.12c: Medical Home Component: Family-centered care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received family-centered care	39650	79.0	90.0	90.0
	2 Did not receive family-centered care	4386	8.7	10.0	100.0
	Total	44036	87.7	100.0	
Missing	0 Did not have health care visit in the past 12 months	5532	11.0		
	99 Missing to any	644	1.3		
	Total	6176	12.3		
Total		50212	100.0		

**time\_16 Doctors spent enough time with children**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	29501	58.8	67.2	67.2
	2 Usually	11572	23.0	26.3	93.5
	3 Sometimes or never	2856	5.7	6.5	100.0
	Total	43929	87.5	100.0	
Missing	0 Did not have a health care visit in the past 12 months	5532	11.0		
	99 Missing	751	1.5		
	Total	6283	12.5		
Total		50212	100.0		

**listen\_16 Doctors listened carefully to children's parents**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	32653	65.0	74.5	74.5
	2 Usually	9532	19.0	21.8	96.3
	3 Sometimes or never	1632	3.3	3.7	100.0
	Total	43817	87.3	100.0	
Missing	0 Did not have a health care visit in the past 12 months	5532	11.0		
	99 Missing	863	1.7		
	Total	6395	12.7		
Total		50212	100.0		

**sensitiv\_16 Doctors showed sensitivity to children's family's values and customs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	34171	68.1	78.1	78.1
	2 Usually	7980	15.9	18.2	96.3
	3 Sometimes or never	1613	3.2	3.7	100.0
	Total	43764	87.2	100.0	
Missing	0 Did not have a health care visit in the past 12 months	5532	11.0		
	99 Missing	916	1.8		
	Total	6448	12.8		
Total		50212	100.0		

**info\_16 Doctors provided information specific to parents' concerns**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	33466	66.6	76.6	76.6
	2 Usually	8730	17.4	20.0	96.6
	3 Sometimes or never	1488	3.0	3.4	100.0
	Total	43684	87.0	100.0	
Missing	0 Did not have a health care visit in the past 12 months	5532	11.0		
	99 Missing	996	2.0		
	Total	6528	13.0		
Total		50212	100.0		

**partner\_16 Doctors helped parents to feel like partners in child's care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	33428	66.6	76.7	76.7
	2 Usually	8281	16.5	19.0	95.7
	3 Sometimes or never	1884	3.8	4.3	100.0
	Total	43593	86.8	100.0	
Missing	0 Did not have a health care visit in the past 12 months	5532	11.0		
	99 Missing	1087	2.2		
	Total	6619	13.2		
Total		50212	100.0		

**NoRefPrb\_16 Indicator 4.12d: Medical Home Component: Problems getting needed referrals, all children**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Did not need referrals during the past 12 months	40818	81.3	81.7	81.7
	1 No problems getting referral, when needed	7514	15.0	15.0	96.7
	2 Had problems getting referrals, when needed	1627	3.2	3.3	100.0
	Total	49959	99.5	100.0	
Missing	99 Missing	253	.5		
Total		50212	100.0		

**CareCoor\_16 Indicator 4.12e: Medical Home Component: Effective care coordination, all children**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Did not need coordinated care or had less than 2 services during the past 12 months	22701	45.2	45.6	45.6
	1 Received all needed components of care coordination	19918	39.7	40.1	85.7
	2 Did not receive one or more elements of coordination	7112	14.2	14.3	100.0
	Total	49731	99.0	100.0	
Missing	99 Missing to any	481	1.0		
Total		50212	100.0		

**DrComm\_16 “Satisfaction with communication among child’s doctor and other health care provider”**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Did not see more than one health care provider	22968	45.7	46.7	46.7
	1 Very satisfied	19686	39.2	40.0	86.7
	2 Somewhat satisfied	5677	11.3	11.5	98.3
	3 Somewhat dissatisfied/Very dissatisfied	858	1.7	1.7	100.0
Total		49189	98.0	100.0	
Missing	99 Missing	1023	2.0		
Total		50212	100.0		

**ExtraHelp\_16 Family needed extra help to coordinate child's health care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2046	4.1	7.8	7.8
	2 No	24048	47.9	92.2	100.0
	Total	26094	52.0	100.0	
Missing	95 Did not see more than one health care provider in past 12 months	22968	45.7		
	99 Missing	1150	2.3		
	Total	24118	48.0		
Total		50212	100.0		

**AllExtraHelp\_16 Got all needed extra help with care coordination**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Usually got help that was needed	528	1.1	26.1	26.1
	2 Sometimes got help that was needed	878	1.7	43.4	69.4
	3 Never got help that was needed	619	1.2	30.6	100.0
	Total	2025	4.0	100.0	
Missing	95 Did not see more than one health care provider/did not need extra help	47016	93.6		
	99 Missing	1171	2.3		
	Total	48187	96.0		
Total		50212	100.0		

**OtherComm\_16 Child's doctors communicate with his/her school, special education program, etc**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Doctors communicate with child's school, etc	4293	8.5	9.8	9.8
	2 Doctors did not communicate with school etc. or No communication needed	39727	79.1	90.2	100.0
	Total	44020	87.7	100.0	
Missing	95 Did not have any health care visit in past 12 months	5532	11.0		
	99 Missing	660	1.3		
	Total	6192	12.3		
Total		50212	100.0		

**SatOthComm\_16 Satisfaction with communication of child's doctors with his/her school, etc**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very satisfied	3322	6.6	77.7	77.7
	2 Less than very satisfied	956	1.9	22.3	100.0
	Total	4278	8.5	100.0	
Missing	95 Did not have any health care visit in past 12 months	5532	11.0		
	96 Doctors did not communicate with child's school, etc or No communication needed	39727	79.1		
	99 Missing	675	1.3		
Total		45934	91.5		
Total		50212	100.0		

**ShareDec\_16 Indicator 4.14: Children whose families are partners in shared decision-making for their optimal health**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No decisions needed/Did not have a health care visit during the past 12 months	38569	76.8	77.8	77.8
	1 Families usually or always feel that they are partners in decision making	9731	19.4	19.6	97.4
	2 Families never/sometimes feel that they are partners in decision making	1264	2.5	2.6	100.0
	Total	49564	98.7	100.0	
Missing	99 Missing	648	1.3		
Total		50212	100.0		

**DiscussOpt\_16 Doctors discussed range of health care/treatment options**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	8027	16.0	73.4	73.4
	2 Usually	2073	4.1	19.0	92.4
	3 Never/Sometimes	833	1.7	7.6	100.0
	Total	10933	21.8	100.0	
Missing	0 No decisions needed	33037	65.8		
	95 Did not have a health care visit	5532	11.0		
	99 Missing	710	1.4		
	Total	39279	78.2		
Total		50212	100.0		

**RaiseConc\_16 Doctors made it easy for parents to raise concerns or disagree with recommendations**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	7901	15.7	72.3	72.3
	2 Usually	2166	4.3	19.8	92.1
	3 Never/Sometimes	867	1.7	7.9	100.0
	Total	10934	21.8	100.0	
Missing	0 No decisions needed	33037	65.8		
	95 Did not have a health care visit	5532	11.0		
	99 Missing	709	1.4		
	Total	39278	78.2		
Total		50212	100.0		

**BestChoice\_16 Doctors worked with parents to decide together health care/treatment options**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	8165	16.3	74.5	74.5
	2 Usually	2082	4.1	19.0	93.5
	3 Never/Sometimes	718	1.4	6.5	100.0
	Total	10965	21.8	100.0	
Missing	0 No decisions needed	33037	65.8		
	95 Did not have a health care visit	5532	11.0		
	99 Missing	678	1.4		
	Total	39247	78.2		
Total		50212	100.0		

**Transition\_16 Indicator 4.15: Adolescents who received services necessary to make planning transitions to adult health care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received services necessary for transition to adult health care	3659	7.3	17.9	17.9
	2 Did not receive services necessary for transition to adult health care	16804	33.5	82.1	100.0
	Total	20463	40.8	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	99 Missing to all	245	.5		
	Total	29749	59.2		
Total		50212	100.0		

**TimeAlone\_16 Children who had time alone with health care provider at last check-up, age 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Had time alone with provider	8922	17.8	44.2	44.2
	2 Did not have time alone with provider/Did not have preventive check-up	11253	22.4	55.8	100.0
	Total	20175	40.2	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	99 Missing	533	1.1		
	Total	30037	59.8		
Total		50212	100.0		

**ActiveWork\_16 Provider worked with child to gain skills to manage health/health care or understand health care changes at age 18, age 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Met the criteria	10593	21.1	58.9	58.9
	2 Did not met criteria	7384	14.7	41.1	100.0
	Total	17977	35.8	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	99 Missing/Don't know	2731	5.4		
	Total	32235	64.2		
Total		50212	100.0		

**TrtAdult\_16 Provider discussed shift to adult health care providers if needed, age 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2227	4.4	18.8	18.8
	2 No	9598	19.1	81.2	100.0
	Total	11825	23.6	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	95 Discussion not needed or sees provider who can transition	8245	16.4		
	99 Missing	638	1.3		
Total		38387	76.4		
Total		50212	100.0		

**SystCare2\_16 Indicator 4.17: Percent of children received care in a well-functioning system**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Received care in a well-functioning system	10580	21.1	21.1	21.1
	2.00 Did not receive care in a well-functioning system	39622	78.9	78.9	100.0
	Total	50202	100.0	100.0	
Missing	99.00 Missing	10	.0		
	Total	50212	100.0		

**sys0to11care2\_16 Children ages 0-11 meeting one or more of five criteria for system of care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Received care in a well-functioning system	8987	17.9	30.5	30.5
	2.00 Did not receive care in a well-functioning system	20514	40.9	69.5	100.0
	Total	29501	58.8	100.0	
Missing	95.00 Children age 12-17 years	20708	41.2		
	99.00 Missing	3	.0		
	Total	20711	41.2		
Total		50212	100.0		

**sys12to17care2\_16 Children ages 12-17 meeting one or more of five criteria for system of care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Received care in a well-functioning system	1593	3.2	7.7	7.7
	2.00 Did not receive care in a well-functioning system	19108	38.1	92.3	100.0
	Total	20701	41.2	100.0	
Missing	95.00 Children age 0-11 years	29504	58.8		
	99.00 Missing	7	.0		
	Total	29511	58.8		
Total		50212	100.0		

**ForgoneCare\_16 Children who needed health care but it was not received**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Needed care, but did not receive	1155	2.3	2.3	2.3
	2.00 Received needed care	48881	97.3	97.7	100.0
	Total	50036	99.6	100.0	
Missing	99.00 Misiisng	176	.4		
Total		50212	100.0		

**UnmetMed\_16 Did not receive needed medical care during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed medical care	344	.7	.7	.7
	2 Received needed medical care	49678	98.9	99.3	100.0
	Total	50022	99.6	100.0	
Missing	99 Missing	190	.4		
	Total	50212	100.0		

**UnmetDent\_16 Did not receive needed dental care during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed dental care	538	1.1	1.1	1.1
	2 Received needed dental care	47639	94.9	98.9	100.0
	Total	48177	95.9	100.0	
Missing	95 Children age less than 1 year old	1852	3.7		
	99 Missing	183	.4		
	Total	2035	4.1		
	Total	50212	100.0		

**UnmetVis\_16 Did not receive needed vision care during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed vision care	187	.4	.4	.4
	2 Received needed vision care	49835	99.2	99.6	100.0
	Total	50022	99.6	100.0	
Missing	99 Missing	190	.4		
	Total	50212	100.0		

**UnmetHear\_16 Did not receive needed hearing care during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed hearing care	70	.1	.1	.1
	2 Received needed hearing care	49952	99.5	99.9	100.0
	Total	50022	99.6	100.0	
Missing	99 Missing	190	.4		
	Total	50212	100.0		

**UnmetMH\_16 Did not receive needed mental health services during the past 12 months, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed mental health care	348	.7	.8	.8
	2 Received needed mental health care	42769	85.2	99.2	100.0
	Total	43117	85.9	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	166	.3		
	Total	7095	14.1		
	Total	50212	100.0		

**UnmetOther\_16 Did not receive needed other health services during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed other types of care	157	.3	.3	.3
	2 Received needed other types of care	49865	99.3	99.7	100.0
	Total	50022	99.6	100.0	
Missing	99 Missing	190	.4		
	Total	50212	100.0		

**ineligible\_16 Did not receive needed health care because the child was not eligible**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	328	.7	32.3	32.3
	2 Did not experience this difficulty	689	1.4	67.7	100.0
	Total	1017	2.0	100.0	
Missing	95 Received needed health care	48881	97.3		
	99 Missing	314	.6		
	Total	49195	98.0		
Total		50212	100.0		

**unavailable\_16 Did not receive needed health care because the service this child needed were not available in their area**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	268	.5	27.0	27.0
	2 Did not experience this difficulty	724	1.4	73.0	100.0
	Total	992	2.0	100.0	
Missing	95 Received needed health care	48881	97.3		
	99 Missing	339	.7		
	Total	49220	98.0		
Total		50212	100.0		

**appointment\_16 Did not receive needed health care because there were problems getting an appointment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	443	.9	43.9	43.9
	2 Did not experience this difficulty	565	1.1	56.1	100.0
	Total	1008	2.0	100.0	
Missing	95 Received needed health care	48881	97.3		
	99 Missing	323	.6		
	Total	49204	98.0		
Total		50212	100.0		

**transport\_16 Did not receive needed health care because there were problems with getting transportation or child care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	113	.2	11.5	11.5
	2 Did not experience this difficulty	866	1.7	88.5	100.0
	Total	979	1.9	100.0	
Missing	95 Received needed health care	48881	97.3		
	99 Missing	352	.7		
	Total	49233	98.1		
Total		50212	100.0		

**NotOpen\_16 Did not receive needed health care because the office was not open when the child needs care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	121	.2	12.4	12.4
	2 Did not experience this difficulty	852	1.7	87.6	100.0
	Total	973	1.9	100.0	
Missing	95 Received needed health care	48881	97.3		
	99 Missing	358	.7		
	Total	49239	98.1		
Total		50212	100.0		

**CostIssue\_16 Did not receive needed health care due to issues related to cost**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	720	1.4	67.0	67.0
	2 Did not experience this difficulty	355	.7	33.0	100.0
	Total	1075	2.1	100.0	
Missing	95 Received needed health care	48881	97.3		
	99 Missing	256	.5		
	Total	49137	97.9		
Total		50212	100.0		

**MedBills\_16 Indicator 4.19: Family had problems paying for child's medical or health care bills during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No medical or health-related expenses	10552	21.0	21.3	21.3
	1 Had problems paying medical bills	5365	10.7	10.8	32.1
	2 Did not have problems paying medical bills	33598	66.9	67.9	100.0
	Total	49515	98.6	100.0	
Missing	99 Missing	697	1.4		
Total		50212	100.0		

**frustrated\_16 Indicator 4.20: Family frustrated in efforts to get services for their children during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Never frustrated	42284	84.2	84.8	84.8
	1 Sometimes frustrated	6603	13.2	13.2	98.1
	2 Usually/always frustrated	968	1.9	1.9	100.0
	Total	49855	99.3	100.0	
Missing	99 Missing	357	.7		
Total		50212	100.0		

**SECTION 5: Community and School Activities****SpEducPln\_16 Indicator 5.1: Children currently receives special education or early intervention services, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4342	8.6	9.0	9.0
	2 No	43717	87.1	91.0	100.0
	Total	48059	95.7	100.0	
Missing	95 Children under 1 year old	1852	3.7		
	99 Missing	301	.6		
	Total	2153	4.3		
Total		50212	100.0		

**SpEdAge\_16 Indicator 5.1a: Age started special education or early intervention plan**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 At age less than 3 years old	1290	2.6	19.8	19.8
	2 At age 3-5 years old	2290	4.6	35.1	54.9
	3 At age 6-17 years old	2936	5.8	45.1	100.0
	Total	6516	13.0	100.0	
Missing	0 Never received the services	41304	82.3		
	95 Children less than 1 year old	1852	3.7		
	99 Missing	540	1.1		
	Total	43696	87.0		
Total		50212	100.0		

**SchlEngage\_16 Indicator 5.2: School engagement, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true to both items	23410	46.6	66.6	66.6
	2 Definitely true to at least one item	9772	19.5	27.8	94.4
	3 Not true to any item	1972	3.9	5.6	100.0
	Total	35154	70.0	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	564	1.1		
	Total	15058	30.0		
Total		50212	100.0		

**cares\_16 Children who care about doing well in school, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	27134	54.0	77.5	77.5
	2 Somewhat true or not true	7858	15.6	22.5	100.0
	Total	34992	69.7	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	726	1.4		
	Total	15220	30.3		
Total		50212	100.0		

**homework\_16 Children who do all required homework, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	25550	50.9	73.1	73.1
	2 Somewhat true	7725	15.4	22.1	95.2
	3 Not true	1673	3.3	4.8	100.0
	Total	34948	69.6	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	770	1.5		
	Total	15264	30.4		
Total		50212	100.0		

**ReptGrade\_16 Indicator 5.3: Children repeated any grades since starting kindergarten, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1762	3.5	5.1	5.1
	2 No	33114	65.9	94.9	100.0
	Total	34876	69.5	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	842	1.7		
	Total	15336	30.5		
Total		50212	100.0		

**SchlMiss\_16 Indicator 5.4: Missed school days during the past 12 months, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No missed school days	9074	18.1	26.0	26.0
	2 1 - 3 days	16967	33.8	48.5	74.5
	3 4 - 6 days	5370	10.7	15.4	89.8
	4 7 - 10 days	2143	4.3	6.1	96.0
	5 11 or more days	1407	2.8	4.0	100.0
	Total	34961	69.6	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	757	1.5		
	Total	15251	30.4		
Total		50212	100.0		

**AftSchAct\_16 Indicator 5.5: Children participate in organized activities outside school, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Participate in one or more extracurricular activities	30079	59.9	85.9	85.9
	2 Do not participate in extracurricular activities	4945	9.8	14.1	100.0
	Total	35024	69.8	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing to all	694	1.4		
	Total	15188	30.2		
Total		50212	100.0		

**EventPart\_16 Indicator 5.6: Parents participate in child's event or activities, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always or Usually	30794	61.3	88.3	88.3
	2 Sometimes	2281	4.5	6.5	94.8
	3 Rarely or Never	1807	3.6	5.2	100.0
	Total	34882	69.5	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	836	1.7		
	Total	15330	30.5		
Total		50212	100.0		

**volunteer\_16 Indicator 5.7: Children participate in community service or volunteer work at school, church, or in the community, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	17802	35.5	51.5	51.5
	2 No	16764	33.4	48.5	100.0
	Total	34566	68.8	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	1152	2.3		
	Total	15646	31.2		
Total		50212	100.0		

**workpay\_16 Indicator 5.8: Work for pay outside home, 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Worked for pay	9692	19.3	48.1	48.1
	2 Did not work for pay	10437	20.8	51.9	100.0
	Total	20129	40.1	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	99 Missing	579	1.2		
	Total	30083	59.9		
Total		50212	100.0		

**mentor\_16 Indicator 5.9: Children have at least one adult mentor they can rely on for advice or guidance, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	31851	63.4	93.1	93.1
	2 No	2364	4.7	6.9	100.0
	Total	34215	68.1	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	1503	3.0		
	Total	15997	31.9		
Total		50212	100.0		

**LearnThings\_16 Learning to do things for him or herself, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very well	6446	12.8	87.9	87.9
	2 Somewhat well	839	1.7	11.4	99.3
	3 Poorly	39	.1	.5	99.8
	4 Not at all	12	.0	.2	100.0
	Total	7336	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	229	.5		
	Total	42876	85.4		
Total		50212	100.0		

**RecogBegin\_16 Ability to recognize beginning sound of a word, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	3896	7.8	53.2	53.2
	2 Most of the time	2139	4.3	29.2	82.4
	3 Some of the time	954	1.9	13.0	95.4
	4 None of the time	339	.7	4.6	100.0
	Total	7328	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	237	.5		
	Total	42884	85.4		
Total		50212	100.0		

**confident\_16 Parental confidence about child's success in elementary or primary school, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very confident	6060	12.1	82.4	82.4
	2 Mostly confident	995	2.0	13.5	96.0
	3 Somewhat confident	245	.5	3.3	99.3
	4 Not confident at all	52	.1	.7	100.0
	Total	7352	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	213	.4		
	Total	42860	85.4		
Total		50212	100.0		

**Recognize letters of alphabet, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	All of them	4013	8.0	54.7	54.7
	Most of them	1738	3.5	23.7	78.3
	Some of them	1365	2.7	18.6	96.9
	None of them	226	.5	3.1	100.0
	Total	7342	14.6	100.0	
Missing	Children age 6-17 years	35718	71.1		
	Children age 0-2 years	6929	13.8		
	Missing	223	.4		
	Total	42870	85.4		
Total		50212	100.0		

**Ability to rhyme words, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
No	1905	3.8	26.0	100.0	
Total	7322	14.6	100.0		
Missing	Children age 6-17 years	35718	71.1		
	Children age 0-2 years	6929	13.8		
	Missing	243	.5		
	Total	42890	85.4		
Total		50212	100.0		

**ClearExp\_16 Ability to explain things child has seen or done, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	3816	7.6	52.0	52.0
	2 Most of the time	2848	5.7	38.8	90.8
	3 Some of the time	541	1.1	7.4	98.2
	4 None of the time	134	.3	1.8	100.0
	Total	7339	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	226	.5		
	Total	42873	85.4		
Total		50212	100.0		

**WriteName\_16 Ability to write his/her first name, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	3708	7.4	50.5	50.5
	2 Most of the time	757	1.5	10.3	60.9
	3 Some of the time	921	1.8	12.6	73.4
	4 None of the time	1950	3.9	26.6	100.0
	Total	7336	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	229	.5		
	Total	42876	85.4		
Total		50212	100.0		

**CountTo\_16 Child can count how high, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all or up to five	309	.6	4.2	4.2
	2 Up to ten	1317	2.6	17.9	22.1
	3 Up to 20	2995	6.0	40.8	62.9
	4 Up to 50	962	1.9	13.1	76.0
	5 Up to 100 or more	1761	3.5	24.0	100.0
	Total	7344	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	221	.4		
	Total	42868	85.4		
Total		50212	100.0		

**RecogShapes\_16 Child recognizes basic shapes, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	5722	11.4	78.1	78.1
	2 Most of the time	1133	2.3	15.5	93.5
	3 Some of the time	375	.7	5.1	98.7
	4 None of the time	98	.2	1.3	100.0
	Total	7328	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	237	.5		
	Total	42884	85.4		
Total		50212	100.0		

**distracted\_16 Child often easily distracted, 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	244	.5	3.3	3.3
	2 Most of the time	879	1.8	12.0	15.3
	3 Some of the time	5667	11.3	77.1	92.4
	4 None of the time	561	1.1	7.6	100.0
	Total	7351	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	214	.4		
	Total	42861	85.4		
Total		50212	100.0		

**WorkToFin\_16 Children often keeps working at something until he or she is finished, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	802	1.6	10.9	10.9
	2 Most of the time	4429	8.8	60.2	71.1
	3 Some of the time	2035	4.1	27.7	98.8
	4 None of the time	91	.2	1.2	100.0
	Total	7357	14.7	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	208	.4		
	Total	42855	85.3		
Total		50212	100.0		

**SimpleInst\_16 Child often can follow instructions to complete a simple task, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	3165	6.3	43.1	43.1
	2 Most of the time	3550	7.1	48.4	91.5
	3 Some of the time	595	1.2	8.1	99.6
	4 None of the time	28	.1	.4	100.0
	Total	7338	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	227	.5		
	Total	42874	85.4		
Total		50212	100.0		

**UsePencil\_16 How child holds pencil, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Uses fingers	5926	11.8	80.8	80.8
	2 Grips in fist	1351	2.7	18.4	99.2
	3 Cannot hold a pencil	60	.1	.8	100.0
	Total	7337	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	228	.5		
	Total	42875	85.4		
Total		50212	100.0		

**PlayWell\_16 Child plays well with others, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	2927	5.8	39.9	39.9
	2 Most of the time	3979	7.9	54.2	94.1
	3 Some of the time	417	.8	5.7	99.8
	4 None of the time	17	.0	.2	100.0
	Total	7340	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	225	.4		
	Total	42872	85.4		
	Total	50212	100.0		

**MakeFr3to5\_16 Child has difficulty making and keeping friends, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 No difficulty	6327	12.6	86.3	86.3
	2.00 A little difficulty	892	1.8	12.2	98.5
	3.00 A lot of difficulty	111	.2	1.5	100.0
	Total	7330	14.6	100.0	
Missing	90.00 Children age 6-17 years	35718	71.1		
	95.00 Children age 0-2 years	6929	13.8		
	99.00 Missing	235	.5		
	Total	42882	85.4		
Total		50212	100.0		

**NewActivity\_16 Child becomes angry or anxious when going from one activity to another, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	68	.1	.9	.9
	2 Most of the time	231	.5	3.1	4.1
	3 Some of the time	3689	7.3	50.2	54.3
	4 None of the time	3357	6.7	45.7	100.0
	Total	7345	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	220	.4		
	Total	42867	85.4		
Total		50212	100.0		

**HurtSad\_16 Child shows concern when others are hurt or unhappy, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	2895	5.8	39.4	39.4
	2 Most of the time	3508	7.0	47.7	87.0
	3 Some of the time	871	1.7	11.8	98.9
	4 None of the time	83	.2	1.1	100.0
	Total	7357	14.7	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	208	.4		
	Total	42855	85.3		
Total		50212	100.0		

**CalmDown\_16 Child can calm down when excited or all wound up, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	1285	2.6	17.5	17.5
	2 Most of the time	4503	9.0	61.4	78.9
	3 Some of the time	1490	3.0	20.3	99.2
	4 None of the time	59	.1	.8	100.0
	Total	7337	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	228	.5		
	Total	42875	85.4		
Total		50212	100.0		

**temper\_16 Child loses control of his or her temper when things do not go his or her way, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	170	.3	2.3	2.3
	2 Most of the time	775	1.5	10.6	12.9
	3 Some of the time	5467	10.9	74.4	87.3
	4 None of the time	932	1.9	12.7	100.0
	Total	7344	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99	221	.4		
	Total	42868	85.4		
Total		50212	100.0		

**SitStill1\_16 Child often able to sit still, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	1323	2.6	18.0	18.0
	2 Most of the time	4215	8.4	57.4	75.4
	3 Some of the time	1698	3.4	23.1	98.5
	4 None of the time	109	.2	1.5	100.0
	Total	7345	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years	6929	13.8		
	99 Missing	220	.4		
	Total	42867	85.4		
Total		50212	100.0		

**expulsion\_16 Asked to stay home from child care or preschool because of their behavior, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 This child did not attend child care or preschool	1245	2.5	17.0	17.0
	2 No	5967	11.9	81.2	98.2
	3 Yes, I was told to pick up my child early on 1 or more days	84	.2	1.1	99.3
	4 Yes, I had to keep my child home for 1 full day or more	24	.0	.3	99.7
	5 Yes permanently, I was told my child could no longer attend this child care center or preschool	25	.0	.3	100.0
	Total	7345	14.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-2 years or child does not attend child care or preschool	6929	13.8		
	99 Missing	220	.4		
	Total	42867	85.4		
	Total	50212	100.0		

## SECTION 6: Family Health and Activities

**MothPhyH\_16 Indicator 6.1: Physical health status of mother, children living with biological, adopted, step, or foster mother**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	33554	66.8	73.7	73.7
	2 Good	9693	19.3	21.3	94.9
	3 Fair or poor	2310	4.6	5.1	100.0
	Total	45557	90.7	100.0	
Missing	95 No mother in the household or missing to A_RELATION or A_SEX	4331	8.6		
	99 Missing	324	.6		
	Total	4655	9.3		
	Total	50212	100.0		

**FathPhyH\_16 Indicator 6.1: Physical health status of father, children living with biological, adopted, step, or foster father**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	30046	59.8	73.8	73.8
	2 Good	8844	17.6	21.7	95.5
	3 Fair or poor	1840	3.7	4.5	100.0
	Total	40730	81.1	100.0	
Missing	95 No father in the household or missing to A_RELATION or A_SEX	9195	18.3		
	99 Missing	287	.6		
	Total	9482	18.9		
Total		50212	100.0		

**MotherMH\_16 Indicator 6.1a: Mental health status of mother**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	35505	70.7	77.9	77.9
	2 Good	7938	15.8	17.4	95.4
	3 Fair or poor	2114	4.2	4.6	100.0
	Total	45557	90.7	100.0	
Missing	95 No mother in the household or missing to A_RELATION or A_SEX	4331	8.6		
	99 Missing	324	.6		
	Total	4655	9.3		
Total		50212	100.0		

**FatherMH\_16 Indicator 6.1a: Mental health status of father, children living with biological, adopted, step, or foster father**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	33354	66.4	81.9	81.9
	2 Good	6019	12.0	14.8	96.7
	3 Fair or poor	1342	2.7	3.3	100.0
	Total	40715	81.1	100.0	
Missing	95 No father in the household or missing to A_RELATION or A_SEX	9195	18.3		
	99 Missing	302	.6		
	Total	9497	18.9		
Total		50212	100.0		

**MotherHSt\_16 Indicator 6.3: Mother's overall physical and mental-emotional health status, children living with biological, adopted, step, or foster mother**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Physical & mental health BOTH excellent or very good	30479	60.7	67.2	67.2
	2 One or both of physical & mental health are NOT excellent/very good	14885	29.6	32.8	100.0
	Total	45364	90.3	100.0	
Missing	95 No biological, adoptive, step or foster mother in household or missing to A_RELATION or A_SEX	4331	8.6		
	99 Missing	517	1.0		
	Total	4848	9.7		
Total		50212	100.0		

**FatherHSt\_16 Indicator 6.3: Father's overall physical and mental-emotional health status, children living with biological, adopted, step, or foster father**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Physical & mental health BOTH excellent or very good	28081	55.9	69.2	69.2
	2 One or both of physical & mental health are NOT excellent/very good	12475	24.8	30.8	100.0
	Total	40556	80.8	100.0	
Missing	95 No biological, adoptive, step or foster father in household or missing to A_RELATION or A_SEX	9195	18.3		
	99 Missing	461	.9		
	Total	9656	19.2		
Total		50212	100.0		

**smoking\_16 Indicator 6.4: Children who live in households where someone uses cigarettes, cigars, or pipe tobacco**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7214	14.4	14.6	14.6
	2 No	42245	84.1	85.4	100.0
	Total	49459	98.5	100.0	
Missing	99 Missing	753	1.5		
	Total	50212	100.0		

**SmkInside\_16 Indicator 6.4a: Someone smokes inside the home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No one smokes in the household	42245	84.1	85.5	85.5
	2 Someone smokes, not inside the house	6157	12.3	12.5	98.0
	3 Someone smokes inside the house	993	2.0	2.0	100.0
	Total	49395	98.4	100.0	
Missing	99 Missing	817	1.6		
	Total	50212	100.0		

**WrkngPoor\_16 Indicator 6.5: Children live in working poor households-- parents employed full-time with income less than 100% FPL**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Live in 'working poor' household	3159	6.3	6.4	6.4
	2 Do not live in 'working poor' household	46087	91.8	93.6	100.0
	Total	49246	98.1	100.0	
Missing	99 Missing	966	1.9		
	Total	50212	100.0		

**ShareIdeas\_16 Indicator 6.6: Parents and children sharing ideas or talk about things that really matter, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very well	23619	47.0	67.7	67.7
	2 Somewhat well	9827	19.6	28.2	95.8
	3 Not very well or Not very well at all	1449	2.9	4.2	100.0
	Total	34895	69.5	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	823	1.6		
	Total	15317	30.5		
	Total	50212	100.0		

**readto\_16 Indicator 6.7: Number of days children were read aloud to during the past week, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-3 days	4603	9.2	32.1	32.1
	2 4-6 days	3117	6.2	21.7	53.8
	3 Every day	6623	13.2	46.2	100.0
	Total	14343	28.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	99 Missing	151	.3		
	Total	35869	71.4		
Total		50212	100.0		

**SingStory\_16 Indicator 6.8: Number of days children were sung to or told stories to during past week, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-3 days	3926	7.8	27.4	27.4
	2 4-6 days	2900	5.8	20.2	47.6
	3 Every day	7525	15.0	52.4	100.0
	Total	14351	28.6	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	99 Missing	143	.3		
	Total	35861	71.4		
Total		50212	100.0		

**MealTogether\_16 Indicator 6.9: Number of days all the family members who live in the household eat a meal together during the past week**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No days	1503	3.0	3.0	3.0
	1 1-3 days	12211	24.3	24.7	27.7
	2 4-6 days	17070	34.0	34.5	62.1
	3 Every day	18751	37.3	37.9	100.0
	Total	49535	98.7	100.0	
Missing	99 Missing	677	1.3		
Total		50212	100.0		

**TVwatch\_16 Indicator 6.10: Time spent on average weekday watching TV, videos, or playing video games**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Do not watch TV	3752	7.5	7.6	7.6
	1 Watch TV less than 1 hour per day	9495	18.9	19.1	26.7
	2 Watch TV 1-3 hours per day	32779	65.3	66.0	92.7
	3 Watch TV 4 hours or more per day	3638	7.2	7.3	100.0
	Total	49664	98.9	100.0	
Missing	99 Missing	548	1.1		
Total		50212	100.0		

**CompElDev\_16 Indicator 6.11: Time spent with a computers, cell phones, handheld video games and other electronic devices doing things other than schoolwork on an average weekday**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Do not use electronic devices	7193	14.3	14.5	14.5
	1 Use electronic devices less than 1 hour per day	10112	20.1	20.3	34.8
	2 Use electronic devices 1-3 hours per day	26597	53.0	53.5	88.3
	3 Use electronic devices 4 hours or more per day	5798	11.5	11.7	100.0
	Total	49700	99.0	100.0	
Missing	99 Missing	512	1.0		
Total		50212	100.0		

**FamResilience\_16 Indicator 6.12: Family flourishing composite measure**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All/Most of the time to 0-1 items	3768	7.5	7.6	7.6
	2 All/Most of the time to 2-3 items	6485	12.9	13.1	20.7
	3 All/Most of the time to all 4 items	39274	78.2	79.3	100.0
	Total	49527	98.6	100.0	
Missing	99 Missing to all 4 items	685	1.4		
Total		50212	100.0		

**TalkAbout\_16 Talk together about what to do when the family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	21478	42.8	43.5	43.5
	2 Most of the time	21481	42.8	43.5	87.0
	3 Some/None of the time	6395	12.7	13.0	100.0
	Total	49354	98.3	100.0	
Missing	99 Missing	858	1.7		
Total		50212	100.0		

**WrkToSolve\_16 Work together to solve the problem when your family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	21251	42.3	43.2	43.2
	2 Most of the time	21776	43.4	44.2	87.4
	3 Some/None of the time	6187	12.3	12.6	100.0
	Total	49214	98.0	100.0	
Missing	99 Missing	998	2.0		
Total		50212	100.0		

**strengths\_16 Know we have strengths to draw on when the family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	24539	48.9	49.9	49.9
	2 Most of the time	19366	38.6	39.4	89.3
	3 Some/None of the time	5267	10.5	10.7	100.0
	Total	49172	97.9	100.0	
Missing	99 Missing	1040	2.1		
Total		50212	100.0		

**hopeful\_16 Stay hopeful even in difficult times when the family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	24875	49.5	50.4	50.4
	2 Most of the time	21187	42.2	42.9	93.3
	3 Some/None of the time	3314	6.6	6.7	100.0
	Total	49376	98.3	100.0	
Missing	99 Missing	836	1.7		
Total		50212	100.0		

**ACE2more\_16 Indicator 6.13: Children experienced two or more adverse childhood experiences**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No adverse childhood experiences	29609	59.0	59.8	59.8
	2 Experienced 1 adverse childhood experience	10926	21.8	22.0	81.8
	3 Experienced 2 or more adverse childhood experiences	9017	18.0	18.2	100.0
	Total	49552	98.7	100.0	
Missing	99 Missing to all 9 items	660	1.3		
Total		50212	100.0		

**ACEincome\_16 Adverse childhood experience: hard to get by on family's income - hard to cover basics like food or housing**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never hard to get by on family income	22657	45.1	46.0	46.0
	2 Rarely hard to get by on family income	17017	33.9	34.5	80.5
	3 Somewhat often hard to get by on family income	7195	14.3	14.6	95.1
	4 Very often hard to get by on family income	2438	4.9	4.9	100.0
	Total	49307	98.2	100.0	
Missing	99 Missing	905	1.8		
Total		50212	100.0		

**ACEdivorce\_16 Adverse childhood experience: parent or guardian divorced or separated**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	10727	21.4	21.9	21.9
	2 No adverse childhood experiences	38197	76.1	78.1	100.0
	Total	48924	97.4	100.0	
Missing	99 Missing	1288	2.6		
Total		50212	100.0		

**ACEdeath\_16 Adverse childhood experience: parent or guardian died**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	1377	2.7	2.8	2.8
	2 No adverse childhood experiences	47405	94.4	97.2	100.0
	Total	48782	97.2	100.0	
Missing	99 Missing	1430	2.8		
	Total	50212	100.0		

**ACEjail\_16 Adverse childhood experience: parent or guardian served time in jail**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	2868	5.7	5.9	5.9
	2 No adverse childhood experiences	45831	91.3	94.1	100.0
	Total	48699	97.0	100.0	
Missing	99 Missing	1513	3.0		
	Total	50212	100.0		

**ACEdomviol\_16 Adverse childhood experience:saw or heard parents or adults slap, hit, kick, punch one another in the home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	2282	4.5	4.7	4.7
	2 No adverse childhood experiences	46374	92.4	95.3	100.0
	Total	48656	96.9	100.0	
Missing	99 Missing	1556	3.1		
	Total	50212	100.0		

**ACEneighviol\_16 Adverse childhood experience: victim/witness of neighborhood violence**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	1545	3.1	3.2	3.2
	2 No adverse childhood experiences	47100	93.8	96.8	100.0
	Total	48645	96.9	100.0	
Missing	99 Missing	1567	3.1		
	Total	50212	100.0		

**ACEmhealth\_16 Adverse childhood experience: lived with anyone who was mentally ill, suicidal, or severely depressed**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	3979	7.9	8.2	8.2
	2 No adverse childhood experiences	44614	88.9	91.8	100.0
	Total	48593	96.8	100.0	
Missing	99 Missing	1619	3.2		
	Total	50212	100.0		

**ACEdrug\_16 Adverse childhood experience: lived with anyone who had a problem with alcohol or drug**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	4336	8.6	8.9	8.9
	2 No adverse childhood experiences	44350	88.3	91.1	100.0
	Total	48686	97.0	100.0	
Missing	99 Missing	1526	3.0		
	Total	50212	100.0		

**ACEdiscrim\_16 Adverse childhood experience: treated or judged unfairly because of his/her race or ethnic group**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	1388	2.8	2.8	2.8
	2 No adverse childhood experiences	47442	94.5	97.2	100.0
	Total	48830	97.2	100.0	
Missing	99 Missing	1382	2.8		
	Total	50212	100.0		

**ParAggrav\_16 Indicator 6.14: Children whose parents who felt stress from parenting during the past month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Parent usually/always feels stress from parenting	2340	4.7	4.7	4.7
	2 Parent seldom experiences stress from parenting	47420	94.4	95.3	100.0
	Total	49760	99.1	100.0	
Missing	99 Missing to all 3 items	452	.9		
	Total	50212	100.0		

**DiffCare\_16 Parent felt child is much harder to care for than most children during the past month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never	33356	66.4	67.2	67.2
	2 Rarely	9205	18.3	18.6	85.8
	3 Sometimes	5185	10.3	10.5	96.2
	4 Usually or always	1864	3.7	3.8	100.0
	Total	49610	98.8	100.0	
Missing	99 Missing	602	1.2		
	Total	50212	100.0		

**bother\_16 Parent felt child does things that bother them during the past month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never	22862	45.5	46.1	46.1
	2 Rarely	17578	35.0	35.5	81.6
	3 Sometimes	8018	16.0	16.2	97.8
	4 Usually or always	1114	2.2	2.2	100.0
	Total	49572	98.7	100.0	
Missing	99 Missing	640	1.3		
Total		50212	100.0		

**angryR\_16 Parent felt angry with child during the past month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never	16885	33.6	34.1	34.1
	2 Rarely	23575	47.0	47.6	81.7
	3 Sometimes, usually or always	9078	18.1	18.3	100.0
	Total	49538	98.7	100.0	
	Missing	99 Missing	1.3		
Total		50212	100.0		

**EmSupport\_16 Indicator 6.15: Children living with parents who have someone that could turn to for day-to-day emotional support with parenting or raising children**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	40451	80.6	81.8	81.8
	2 No	9019	18.0	18.2	100.0
	Total	49470	98.5	100.0	
Missing	99 Missing	742	1.5		
Total		50212	100.0		

**ParCoping\_16 Indicator 6.16: Coping with day-to-day demands of raising children**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very well	33118	66.0	66.6	66.6
	2 Somewhat well or Not very well or Not very well at all	16620	33.1	33.4	100.0
	Total	49738	99.1	100.0	
Missing	99 Missing	474	.9		
	Total	50212	100.0		

**JobChange\_16 Indicator 6.17: Job change because problems with child care, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1048	2.1	7.3	7.3
	2 No	13270	26.4	92.7	100.0
	Total	14318	28.5	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	99 Missing	176	.4		
	Total	35894	71.5		
	Total	50212	100.0		

**StopCutWork\_16 Indicator 6.18: Family members stopped working or reduced work hours due to child's health**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Family member cut back hours or stopped working or both	2280	4.5	4.6	4.6
	2 Employment not affected	47409	94.4	95.4	100.0
	Total	49689	99.0	100.0	
Missing	99 Missing to both	523	1.0		
	Total	50212	100.0		

**AvoidChng\_16 Indicator 6.19: Children whose family member(s) avoided changing jobs because of concerns about maintaining health insurance**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3145	6.3	6.4	6.4
	2 No	46306	92.2	93.6	100.0
	Total	49451	98.5	100.0	
Missing	99 Missing	761	1.5		
	Total	50212	100.0		

**HomeCare\_16 Indicator 6.20a: Time spent providing health care for child in an average week**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No at home care was provided	2345	4.7	32.7	32.7
	2 Less than 1 hour per week	2656	5.3	37.0	69.7
	3 1-4 hours per week	1204	2.4	16.8	86.5
	4 5 or more hours per week	966	1.9	13.5	100.0
	Total	7171	14.3	100.0	
Missing	95 Do not need health care provided on a weekly basis	42178	84.0		
	99 Missing	863	1.7		
	Total	43041	85.7		
	Total	50212	100.0		

**TimeCoord\_16 Indicator 6.20b: Time spent coordinating health care for child in an average week**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No health or medical care was arranged or coordinated	1554	3.1	22.5	22.5
	2 Less than 1 hour per week	4002	8.0	57.9	80.4
	3 1-4 hours per week	1101	2.2	15.9	96.3
	4 5 or more hours per week	256	.5	3.7	100.0
	Total	6913	13.8	100.0	
Missing	95 Do not need health care provided on a weekly basis	42588	84.8		
	99 Missing	711	1.4		
	Total	43299	86.2		
	Total	50212	100.0		

**Care10hrs\_16 Indicator 6.21: Received care from others at least 10 hours per week, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	8790	17.5	61.5	61.5
	2 No	5508	11.0	38.5	100.0
	Total	14298	28.5	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	99 Missing	196	.4		
	Total	35914	71.5		
Total		50212	100.0		

**SleepPos\_16 Indicator 6.22: Sleep position, 0-12 month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 On his or her back	1340	2.7	76.4	76.4
	2 On his or her side/stomach	414	.8	23.6	100.0
	Total	1754	3.5	100.0	
Missing	90 Children age 1-17 years	48360	96.3		
	99 Missing	98	.2		
	Total	48458	96.5		
Total		50212	100.0		

**BedTime\_16 Indicator 6.24: Go to bed at the same time on weeknights**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	15674	31.2	31.5	31.5
	2 Usually	29034	57.8	58.4	89.9
	3 Sometimes	3697	7.4	7.4	97.3
	4 Rarely or never	1326	2.6	2.7	100.0
	Total	49731	99.0	100.0	
Missing	99 Missing	481	1.0		
Total		50212	100.0		

**HrsSleep\_16 Indicator 6.25: Hours child get sleep on an average weeknights, age 4 months-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Child sleeps recommended age-appropriate hours	34461	68.6	70.7	70.7
	2 Child sleeps less than recommended age-appropriate hours	14287	28.5	29.3	100.0
	Total	48748	97.1	100.0	
Missing	95 Children less than 4 months old	535	1.1		
	99 Missing	929	1.9		
	Total	1464	2.9		
Total		50212	100.0		

**FoodSit\_16 Indicator 6.26: Food situation in child's household in the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 We could always afford to eat good nutritious meals	36579	72.8	74.4	74.4
	2 We could always afford enough to eat but not always the kinds of food we should eat	10489	20.9	21.3	95.7
	3 Sometimes or often we could not afford enough to eat	2117	4.2	4.3	100.0
Total		49185	98.0	100.0	
Missing	99 Missing	1027	2.0		
	Total	50212	100.0		

**FoodCash\_16 Indicator 6.27: Received food or cash assistance during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Did not receive food or cash assistance	37864	75.4	76.6	76.6
	1 Received 1-2 types of assistance	10151	20.2	20.5	97.1
	2 Received 3-4 types of assistance	1428	2.8	2.9	100.0
	Total	49443	98.5	100.0	
Missing	System	769	1.5		
Total		50212	100.0		

**WIC\_16 Someone in the family received benefits from the WIC Program during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3020	6.0	6.2	6.2
	2 No	46065	91.7	93.8	100.0
	Total	49085	97.8	100.0	
Missing	99 Missing	1127	2.2		
Total		50212	100.0		

**CashAss\_16 Someone in the family received cash assistance from government during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1087	2.2	2.2	2.2
	2 No	47936	95.5	97.8	100.0
	Total	49023	97.6	100.0	
Missing	99 Missing	1189	2.4		
Total		50212	100.0		

**FoodStamp\_16 Someone in the family received Food Stamps or Supplemental Nutrition Assistance Program benefits during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	4917	9.8	10.0	10.0
	2	44085	87.8	90.0	100.0
	Total	49002	97.6	100.0	
Missing	99	1210	2.4		
Total		50212	100.0		

**MealFree\_16 Someone in the family received free or reduced-cost breakfasts or lunches at school during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	9184	18.3	18.7	18.7
	2 No	39821	79.3	81.3	100.0
	Total	49005	97.6	100.0	
Missing	99 Missing	1207	2.4		
Total		50212	100.0		

**SECTION 7: Neighborhood Safety and Support****NbhdSupp\_16 Child live is a supportive neighborhood**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Live in supportive neighborhoods	29730	59.2	61.1	61.1
	2 Do not live in supportive neighborhoods	18956	37.8	38.9	100.0
	Total	48686	97.0	100.0	
Missing	99 Missing to any	1526	3.0		
Total		50212	100.0		

**NbhdSafe\_16 Indicator 7.2: Children live in safe neighborhoods**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely agree	34557	68.8	70.3	70.3
	2 Somewhat agree	12982	25.9	26.4	96.7
	3 Somewhat/Definitely disagree	1599	3.2	3.3	100.0
	Total	49138	97.9	100.0	
Missing	99 Missing	1074	2.1		
Total		50212	100.0		

**SchlSafe\_16 Indicator 7.3: Children who are safe at schools, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely agree	26421	52.6	76.8	76.8
	2 Somewhat agree	7411	14.8	21.5	98.3
	3 Somewhat or definitely disagree	587	1.2	1.7	100.0
	Total	34419	68.5	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	99 Missing	1299	2.6		
	Total	15793	31.5		
Total		50212	100.0		

**NbhdAmenities\_16 Count of amenities in children's neighborhoods**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Neighborhood does not contain any amenities	5441	10.8	10.8	10.8
	1 Neighborhood contains 1 amenity	5099	10.2	10.2	21.0
	2 Neighborhood contains 2 amenities	8211	16.4	16.4	37.3
	3 Neighborhood contains 3 amenities	11220	22.3	22.3	59.7
	4 Neighborhood contains all 4 amenities	18407	36.7	36.7	96.3
	99 Missing to any of the questions	1834	3.7	3.7	100.0
	Total	50212	100.0	100.0	

**SideWlks\_16 Children who live in neighborhoods with sidewalks or walking paths**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood contains sidewalks or walking paths	35836	71.4	72.7	72.7
	2 Neighborhood does not contain sidewalks or walking paths	13478	26.8	27.3	100.0
	Total	49314	98.2	100.0	
	Missing	898	1.8		
Total		50212	100.0		

**park\_16 Children who live in neighborhoods with a park or playground area**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood contains a park or playground area	37355	74.4	76.0	76.0
	2 Neighborhood does not contain a park or playground area	11791	23.5	24.0	100.0
	Total	49146	97.9	100.0	
Missing	99 Missing	1066	2.1		
Total		50212	100.0		

**RecCentr\_16 Children who live in neighborhoods with recreation center, community center or Boys'/Girls' Club**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood contains a recreation center, community center or Boys'/Girls' Club	23983	47.8	48.9	48.9
	2 Neighborhood does not contain a recreation center, community center or Boys'/Girls' Club	25108	50.0	51.1	100.0
	Total	49091	97.8	100.0	
Missing	99 Missing	1121	2.2		
	Total	50212	100.0		

**library\_16 Children who live in neighborhoods with a library or bookmobile**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood contains a library or bookmobile	33892	67.5	69.1	69.1
	2 Neighborhood does not contain a library or bookmobile	15184	30.2	30.9	100.0
	Total	49076	97.7	100.0	
Missing	99 Missing	1136	2.3		
	Total	50212	100.0		

**NbhdDetract\_16 Indicator 7.5: Presence of detracting neighborhood elements in the neighborhood**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Neighborhood does not have any detracting elements	39011	77.7	79.8	79.8
	1 Neighborhood has 1 detracting element	6417	12.8	13.1	93.0
	2 Neighborhood has 2 detracting elements	2082	4.1	4.3	97.2
	3 Neighborhood has 3 detracting elements	1360	2.7	2.8	100.0
	Total	48870	97.3	100.0	
Missing	99 Missing to any of the questions	1342	2.7		
	Total	50212	100.0		

**litter\_16 Children who live in neighborhoods with litter or garbage on the street or sidewalk**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood has litter or garbage on sidewalks and streets	6913	13.8	14.1	14.1
	2 Neighborhood does not have litter or garbage on sidewalks and streets	42263	84.2	85.9	100.0
	Total	49176	97.9	100.0	
Missing	System	1036	2.1		
	Total	50212	100.0		

**housing\_16 Children who live in neighborhoods with poorly kept or rundown housing**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood has poorly kept or rundown housing	5300	10.6	10.8	10.8
	2 Neighborhood does not have poorly kept or dilapidated rundown housing	43873	87.4	89.2	100.0
	Total	49173	97.9	100.0	
Missing	System	1039	2.1		
	Total	50212	100.0		

**vandal\_16 Children who live in neighborhoods with vandalism such as broken windows or graffiti**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood has broken windows or graffiti	2565	5.1	5.2	5.2
	2 Neighborhood does not have broken windows or graffiti	46703	93.0	94.8	100.0
	Total	49268	98.1	100.0	
Missing	System	944	1.9		
	Total	50212	100.0		

**SUBGROUPS for Stratification****age3\_16 Children's age in 3 categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-5 years old	14494	28.9	28.9	28.9
	2 6-11 years old	15010	29.9	29.9	58.8
	3 12-17 years old	20708	41.2	41.2	100.0
	Total	50212	100.0	100.0	

**Children's age in 5 categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0-3 years old	9459	18.8	18.8	18.8
	4-7 years old	9583	19.1	19.1	37.9
	8-11 years old	10462	20.8	20.8	58.8
	12-14 years old	9206	18.3	18.3	77.1
	15-17 years old	11502	22.9	22.9	100.0
	Total	50212	100.0	100.0	

**sex\_16 Sex of the child**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Male	25733	51.2	51.2	51.2
	2 Female	24479	48.8	48.8	100.0
	Total	50212	100.0	100.0	

**hispanic\_16 Hispanic origin of the child**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic	5523	11.0	11.0	11.0
	2 Non-Hispanic	44689	89.0	89.0	100.0
	Total	50212	100.0	100.0	

**race4\_16 Race/ethnicity categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic	5523	11.0	11.0	11.0
	2 White, non-Hispanic	35317	70.3	70.3	81.3
	3 Black, non-Hispanic	2871	5.7	5.7	87.1
	4 Other/Multi-racial, non-Hispanic	6501	12.9	12.9	100.0
	Total	50212	100.0	100.0	

**raceASIA\_16 Race/ethnicity categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic	5523	11.0	11.0	11.0
	2 White, non-Hispanic	35317	70.3	70.3	81.3
	3 Black, non-Hispanic	2871	5.7	5.7	87.1
	4 Asian, non-Hispanic	2684	5.3	5.3	92.4
	5 Other/Multi-racial, non-Hispanic	3817	7.6	7.6	100.0
	Total	50212	100.0	100.0	

**PrntNativity\_16 Generational status of the parents - collapsed 1st and 2nd generational status of HH**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All parents born in the US (3rd or higher generation HH)	38663	77.0	77.9	77.9
	2 Any parent born outside of the US (1st and 2nd generation HH)	8486	16.9	17.1	95.1
	3 Other (child born in United States, parents are not listed)	2453	4.9	4.9	100.0
	Total	49602	98.8	100.0	
Missing	99 Missing	610	1.2		
Total		50212	100.0		

**HHLanguage\_16 Primary household language spoken in the household**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 English	46687	93.0	93.7	93.7
	2 Other than English	3148	6.3	6.3	100.0
	Total	49835	99.2	100.0	
Missing	99 Missing	377	.8		
Total		50212	100.0		

**hisplang\_16 Primary household language parsed to Hispanic and non-Hispanic**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic children, non-English PHH language	1487	3.0	3.0	3.0
	2 Hispanic children, English PHH language	3888	7.7	7.8	10.8
	3 Non-Hispanic child	44460	88.5	89.2	100.0
	Total	49835	99.2	100.0	
Missing	99 Missing to any	377	.8		
Total		50212	100.0		

**famstruct\_16 Family structure**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Two parents, currently married	36779	73.2	74.5	74.5
	2 Two parents, not currently married	3226	6.4	6.5	81.0
	3 Single mother (currently married (living apart), formerly married or never married)	5965	11.9	12.1	93.1
	4 Other family type, no parent reported	3393	6.8	6.9	100.0
	Total	49363	98.3	100.0	
Missing	99 Missing	849	1.7		
Total		50212	100.0		

**povlev4\_16 Poverty level of this household based on DHHS guidelines - Imputed**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-99% FPL	4929	9.8	9.8	9.8
	2 100-199% FPL	8003	15.9	15.9	25.8
	3 200-399% FPL	15526	30.9	30.9	56.7
	4 400% FPL or greater	21754	43.3	43.3	100.0
Total		50212	100.0	100.0	

**povSCHIP\_16 Poverty level of this household based on DHHS guidelines - Imputed recoded into 4 categories based on SCHIP qualification**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-199% FPL	12932	25.8	25.8	25.8
	2 200-299% FPL	7951	15.8	15.8	41.6
	3 300-399% FPL	7575	15.1	15.1	56.7
	4 400% FPL or greater	21754	43.3	43.3	100.0
	Total	50212	100.0	100.0	

**AdultEduc\_16 Highest level of education among reported adults**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than high school	1096	2.2	2.2	2.2
	2 High school or GED	6020	12.0	12.3	14.5
	3 Some college or technical school	11027	22.0	22.5	37.0
	4 College degree or higher	30872	61.5	63.0	100.0
	Total	49015	97.6	100.0	
Missing	99 Missing	1197	2.4		
	Total	50212	100.0		

## **Appendix B: Title V Block Grant Measures**

---

### Unweighted Frequency Tables



## National Performance Measures

**npm6DSc\_16 National Performance Measure 6: Percent of children, ages 9 through 35 months, who received a developmental screening using a parent-completed screening tool in the past year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Parent completed developmental screening	1963	3.9	35.7	35.7
	2 Parent did not complete developmental screening	3529	7.0	64.3	100.0
	Total	5492	10.9	100.0	
Missing	90 Children age 6-17 years	35718	71.1		
	95 Children age 0-8 months or 3-5 years	8826	17.6		
	99 Missing	176	.4		
	Total	44720	89.1		
Total		50212	100.0		

**npm8PhAc6to11\_16 National Performance Measure 8.1: Percent of children, ages 6 through 11, who are physically active at least 60 minutes per day**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-3 days	5563	11.1	37.8	37.8
	2 4-6 days	4907	9.8	33.4	71.2
	3 Everyday	4236	8.4	28.8	100.0
	Total	14706	29.3	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	95 Children age 12-17 years	20708	41.2		
	99 Missing	304	.6		
	Total	35506	70.7		
Total		50212	100.0		

**npm8PhAc12to17\_16 National Performance Measure 8.2: Percent of adolescents, age 12-17 years, who are physically active at least 60 minutes per day**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 days	2286	4.6	11.3	11.3
	2 1-3 days	8137	16.2	40.2	51.5
	3 4-6 days	6483	12.9	32.0	83.5
	4 Everyday	3340	6.7	16.5	100.0
	Total	20246	40.3	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	95 Children age 6-11 years	15010	29.9		
	99 Missing	462	.9		
	Total	29966	59.7		
Total		50212	100.0		

**npm9bullied\_16 National Performance Measure 9: Percent of adolescents, age 12-17 years, who are bullied**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely or somewhat true	4441	8.8	22.0	22.0
	2 Not true	15789	31.4	78.0	100.0
	Total	20230	40.3	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	95 Children age 6-11 years	15010	29.9		
	99 Missing	478	1.0		
	Total	29982	59.7		
	Total	50212	100.0		

**npm9bully\_16 National Performance Measure 9: Percent of adolescents, age 12-17 years, who bully others**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely or somewhat true	1015	2.0	5.0	5.0
	2 Not true	19268	38.4	95.0	100.0
	Total	20283	40.4	100.0	
Missing	90 Children age 0-5 years	14494	28.9		
	95 Children age 6-11 years	15010	29.9		
	99 Missing	425	.8		
Total		29929	59.6		
Total		50212	100.0		

**npm10PrVi\_16 National Performance Measure 10: Percent of adolescents, age 12-17 years, with a preventive medical visit in the past year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One or more preventive visits	16821	33.5	81.9	81.9
	2 No preventive care visits	3705	7.4	18.1	100.0
	Total	20526	40.9	100.0	
Missing	95 Children age 0-11 years	29504	58.8		
	99 Missing	182	.4		
	Total	29686	59.1		
Total		50212	100.0		

**npm11MHCSHCN\_16 National Performance Measure 11: Percent of children with special health care needs, ages 0 through 17, who have a medical homee**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Care MEETS medical home criteria	5691	11.3	50.0	50.0
	2 Care DOES NOT meet medical home criteria	5696	11.3	50.0	100.0
	Total	11387	22.7	100.0	
Missing	95 Non-CSHCN	38820	77.3		
	99 Missing to any	5	.0		
	Total	38825	77.3		
Total		50212	100.0		

**npm11MHnonCSHCN\_16 National Performance Measure 11: Percent of children without special health care needs, ages 0 through 17, who have a medical home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Care MEETS medical home criteria	22279	44.4	57.4	57.4
	2 Care DOES NOT meet medical home criteria	16511	32.9	42.6	100.0
	Total	38790	77.3	100.0	
Missing	95 CSHCN	11392	22.7		
	99 Missing to any	30	.1		
	Total	11422	22.7		
Total		50212	100.0		

**npm12TransCSHCN\_16 National Performance Measure 12: Percent of adolescents with special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received services necessary for transition to adult health care	1129	2.2	19.5	19.5
	2 Did not receive services necessary for transition to adult health care	4657	9.3	80.5	100.0
	Total	5786	11.5	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	95 Non-CSHCN age 12-17 years	14846	29.6		
	99 Missing to any	76	.2		
Total		44426	88.5		
Total		50212	100.0		

**npm12TransNonCSHCN\_16 National Performance Measure 12: Percent of adolescents without special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received services necessary for transition to adult health care	2530	5.0	17.2	17.2
	2 Did not receive services necessary for transition to adult health care	12147	24.2	82.8	100.0
	Total	14677	29.2	100.0	
Missing	90 Children age 0-11 years	29504	58.8		
	95 CSHCN age 12-17 years	5862	11.7		
	99 Missing to any	169	.3		
	Total	35535	70.8		
Total		50212	100.0		

**npm13bDePrev\_16 National Performance Measure 13.2: Percent of children, age 1-17 years, who had a preventive dental visit in the past year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One or more dental preventive visits	39646	79.0	83.0	83.0
	2 No preventive dental visits	8126	16.2	17.0	100.0
	Total	47772	95.1	100.0	
Missing	95 Children less than 1 year old	1852	3.7		
	99 Missing	588	1.2		
	Total	2440	4.9		
	Total	50212	100.0		

**npm14bSmoke\_16 National Performance Measure 14.2: Percent of children, ages 0 through 17, who live in households where someone smokes**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7214	14.4	14.6	14.6
	2 No	42245	84.1	85.4	100.0
	Total	49459	98.5	100.0	
Missing	99 Missing	753	1.5		
	Total	50212	100.0		

**National Performance Measure 15: Percent of children, ages 0 through 17, who are continuously and adequately insured**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Have adequate insurance covered entire year	34322	68.4	68.6	68.6
	Do not have adequate insurance	15716	31.3	31.4	100.0
	Total	50038	99.7	100.0	
Missing	Missing to both questions	174	.3		
Total		50212	100.0		

**National Outcome Measures**

**nom14TthDec\_16 National Outcome Measure 14: Percent of children, ages 1 through 17, who had decayed teeth or cavities in the past year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes, tooth decay or cavities	4401	8.8	9.2	9.2
	2 No tooth decay or cavities	43227	86.1	90.8	100.0
	Total	47628	94.9	100.0	
Missing	95 Children age <1 year	1852	3.7		
	99 Missing	732	1.5		
	Total	2584	5.1		
Total		50212	100.0		

**nom17\_1CSHCN National Outcome Measure 17.1: Percent of children with special health care needs (CSHCN), ages 0 through 17**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN	11392	22.7	22.7	22.7
	2 Non-CSHCN	38820	77.3	77.3	100.0
	Total	50212	100.0	100.0	

**nom17\_2sysCSHCN\_16 National Performance Measure 17.2: Percent of children with special health care needs (CSHCN), ages 0 through 17, who receive care in a well-functioning system**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Receive care in a well-functioning system	1948	3.9	17.1	17.1
	2.00 Do not receive care in a well-functioning system	9441	18.8	82.9	100.0
	Total	11389	22.7	100.0	
Missing	95.00 Non-CSHCN	38820	77.3		
	99.00 Missing	3	.0		
	Total	38823	77.3		
Total		50212	100.0		

**nom17\_3ASD\_16 National Outcome Measure 17.3: Percent of children, ages 3 through 17, diagnosed with an autism spectrum disorder**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently have condition	1131	2.3	2.6	2.6
	2 Do not currently have condition	41890	83.4	97.4	100.0
	Total	43021	85.7	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	262	.5		
	Total	7191	14.3		
Total		50212	100.0		

**nom17\_4ADHD\_16 National Outcome Measure 17.4: Percent of children, age 3-17 years, diagnosed with Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently have condition	4252	8.5	9.9	9.9
	2 Do not currently have condition	38589	76.9	90.1	100.0
	Total	42841	85.3	100.0	
Missing	95 Children age 0-2 years	6929	13.8		
	99 Missing	442	.9		
	Total	7371	14.7		
Total		50212	100.0		

**nom18MHlth\_16 National Outcome Measure 18: Percent of children, age 3-17 years, with a mental/behavioral condition who receive treatment or counseling**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received treatment	3383	6.7	57.6	57.6
	2 Needed treatment, did not receive it	2491	5.0	42.4	100.0
	Total	5874	11.7	100.0	
Missing	95 Children age 0-2 years/Do not have any of 3 conditions	44093	87.8		
	99 Missing	245	.5		
	Total	44338	88.3		
Total		50212	100.0		

**nom19ChHSt\_16 National Outcome Measure 19: Percent of children, ages 0 through 17, in excellent or very good health**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	46093	91.8	92.1	92.1
	2 Good	3409	6.8	6.8	98.9
	3 Fair or poor	558	1.1	1.1	100.0
	Total	50060	99.7	100.0	
Missing	99 Missing	152	.3		
Total		50212	100.0		

**nom20obese\_16 National Outcome Measure 20: Percent of children, age 10-17 years, who are obese (BMI at or above the 95th percentile)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Underweight (less than 5th percentile)	1491	3.0	6.1	6.1
	2 Healthy weight (5th to 84th percentile)	16339	32.5	66.9	73.1
	3 Overweight (85th to 94th percentile)	3474	6.9	14.2	87.3
	4 Obese (95th percentile or above)	3101	6.2	12.7	100.0
	Total	24405	48.6	100.0	
Missing	90 Children age 0-9 years	24118	48.0		
	99 Missing	1689	3.4		
	Total	25807	51.4		
Total		50212	100.0		

**nom25ForgoneHC\_16 National Outcome Measure 25: Percent of children, ages 0 through 17, who were not able to obtain needed health care in the last year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Needed care, but did not receive	1155	2.3	2.3	2.3
	2.00 Received needed care	48881	97.3	97.7	100.0
	Total	50036	99.6	100.0	
Missing	99.00 Misiisng	176	.4		
Total		50212	100.0		

## **Appendix C:**

### **Notes on the redesign of the 2016 NSCH**

---

## Notes on the redesign of the 2016 NSCH

In 2012 the Maternal and Child Health Bureau (MCHB) decided to undertake a process of redesigning the National Survey of Children's Health, partially in response to declining response rates. The rise of mobile phone use made the previous design and administration of the NSCH increasingly difficult. In the previous implementations of the survey, each interview was conducted via a landline telephone after using a technique called "random digit dialing" to achieve a random sample of households and children. The 2011/12 NSCH included cell phone sampling to address this issue. However, sampling cell phones comes with some problems of its own: it is more expensive, and people are less likely to complete a survey on their mobile phone. The majority of children in the United States now live in cell-phone only households. For these reasons MCHB began a methodical process to evaluate the best possible way to continue with the survey while enhancing its quality and usefulness.

As part of this redesign process, the Maternal and Child Health Bureau asked experts to consider the possibility of combining the NSCH and the National Survey of Children with Special Health Care Needs (NS-CSHCN). Mapping between the two surveys revealed that about 60% of content overlapped between the NSCH and the NS-CSHCN. The new NSCH still maintains most of the same content as the previous two surveys before they were combined, though some content had to be dropped, and additional content was added. The current NSCH contains the Children with Special Health Care Needs Screener so that the survey will still provide valuable data on CSHCN.

The Maternal and Child Health Bureau (MCHB) began by consulting with other federal agencies that were experiencing similar declining response rate issues with government-sponsored surveys. MCHB convened a panel of experts (called the Technical Expert Panel: TEP) which met several times by both phone and in-person. The panel consisted of experts in methodology, children's health, federal and state stakeholders, clinicians and researchers, and collectively the TEP made several decisions, such as: could the NSCH and NS-CSHCN be combined without harm to data collection or over-burdening participants? What adjustments needed to be made to the questions in order for participants to answer them directly (via paper survey or web) rather than through a telephone interview? What new content needed to be added in order to measure new issues in children's health? Was some content no longer needed? What would be an appropriate time interval to collect data for the new survey? This methodical and deliberate process took about 4 years to complete.

As a result of this redesign process, the 2016 NSCH identified eligible households and children in a different manner from previous surveys. Instead of using phones, people were identified using residential addresses; this is what is known as the "sampling frame" for the survey. MCHB partnered with the United States Census Bureau to conduct the survey. The Census Bureau has experience conducting mail-based surveys. See the survey sampling and administration diagram on the [DRC website](#).

The Census Bureau used databases of addresses to randomly select household addresses to send invitation letters. The Census Bureau used additional tools to identify addresses that have children prior to sending these invitations in order to increase the chance of mailing to households that actually have children ages 0-17 living in them. This first mailing contained a link to an online short household screening instrument which asked how many children live in the household and their ages. If the

parent/guardian went online to complete the screener, then they would be directed immediately to complete the topic survey for one chosen sample child. If the household contained more than one child 17 years or under, the sample child was randomly chosen. For individuals who did not respond online, a second mailing contained a copy of the screening survey. When this was mailed back to the Census, a random sample child was selected (if more than one child in the household was identified) and the parent/guardian was sent a topic questionnaire survey. At any time parents/guardians could request to complete the survey by mail rather than online.

More information about the redesign of the survey will be available in the manuscript:

Ghandour R, Jones J, Lebrun-Harris L, et al. The Design and Implementation of the 2016 National Survey of Children's Health. Matern Child Health J. In press

## **Appendix D:**

### **Methods Notes on Imputation of Missing Values**

#### **Household Income Missing Values**

---



## Methods Notes on Imputation of Missing Values

In the 2016 NSCH, income, household count, and respondent education variables (Adult 1) were multiply imputed and the first implicates of these variables along with the single imputed variables for child's sex, race and Hispanic origin are included in the public use file.

### *Missing or Invalid Responses to Income Questions*

The 2016 NSCH offers a rich source of data for studying the relationships between income and health, and for monitoring health and health care for children at different income levels. However, as is common for household interview surveys, non-response rates tend to be high for the NSCH question on total combined household income during the previous calendar year. Answers to this question, along with answers to a question about the number of people living in the child's household, are used to create an index of income relative to the Department of Health and Human Services Federal Poverty Guidelines (FPL). If a valid response was not obtained for either of these two components, the household poverty status indicator was assigned a missing value code. In 2016 NSCH, 18.6% of the national sample of 50,212, had missing values for FPL.

### *Adjusting for Item Non-response*

Imputation is one commonly used method for handling non-response data in a survey, and is typically used when missing or invalid responses exceed five percent of the total sample. In simplified terms, imputation of missing data is achieved by comparing characteristics of respondents who provided a valid response to a specified item with characteristics of the respondents who did not provide a valid response, as a basis for selection of a probable response value for each of the specified item non-respondents. The Census Bureau used hot-deck imputation for race, ethnicity and sex variables. Total family income, household count, and Adult 1 education were imputed using regression imputation methods.

The United States Census Bureau offers a data file containing six sets of imputed FPL values for the 2016 NSCH. This file is appropriate for use with software able to accommodate multiple imputation analyses and is available free of charge (see below).

The income (federal poverty level) variables ("povlev4\_16" and "povSCHIP\_16") in the DRC 2016 NSCH Dataset were generated using a single imputation value from the 2016 NSCH Topical public use data file provided by the Census Bureau. Using single imputation for poverty level tends to underestimate standard errors because it doesn't take into account the inherent uncertainty resulting from lack of knowledge about the true (unobserved) value as happens when multiple imputed values are used. On the other hand, using a single imputed poverty level is more productive than excluding cases with missing income data from analyses. If desired, the variable "FPL\_IF" may be used to identify records containing imputed FPL values.

Additional information about imputation for the NSCH may be found at:

<https://www.census.gov/programs-surveys/nsch/technical-documentation/methodology.html> and

<https://www.census.gov/content/dam/Census/programs-surveys/nsch/tech-documentation/methodology/NSCH-Guide-to-Analysis-with-Multiply-Imputed-Data.pdf>

#### **Appendix D: Notes on Imputation of Missing Values**

SAS and Stata data files with imputed FPL estimates can be downloaded from the Census Bureau's website: <https://www.census.gov/programs-surveys/nsch/data/nsch2016.html>