



# 2017 National Survey of Children's Health

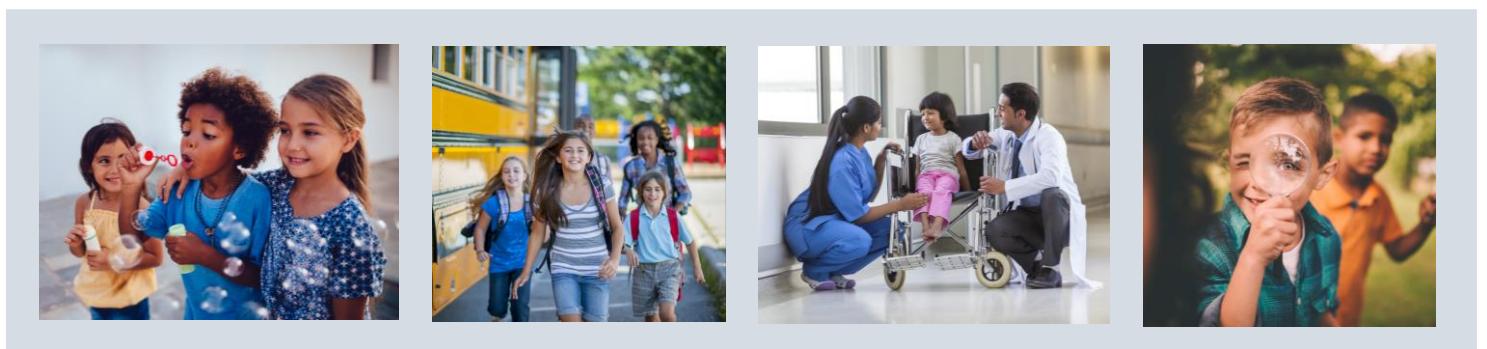
## SPSS Codebook for data users:

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

**Version 1.0: March 2019**



*A project of the Child and Adolescent Health Measurement Initiative*



**The Data Resource Center for Child and Adolescent Health (DRC)** is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number U59MC27866, National Maternal and Child Health Data Resource Initiative, \$4.5M. This information or content and conclusions are those of the author and should not be construed as the official position of or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government.



## 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) (2019). "2017 National Survey of Children's Health: Child and Family Health Measures, National Performance and Outcome Measures, and Subgroups, SPSS Codebook, Version 1.0", Data Resource Center for Child and Adolescent Health supported by Cooperative Agreement U59MC27866 from the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA), Maternal and Child Health Bureau (MCHB). Retrieved [mm/dd/yy] from [www.childhealthdata.org](http://www.childhealthdata.org)*

If you use the accompanying data set "2017 National Survey of Children's Health, (SPSS) Indicator Data Set", use the following citation:

*Child and Adolescent Health Measurement Initiative (CAHMI) (2019). 2017 National Survey of Children's Health, [(SAS/SPSS/Stata)] Indicator Data Set. Data Resource Center for Child and Adolescent Health supported by Cooperative Agreement U59MC27866 from the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA), Maternal and Child Health Bureau (MCHB). Retrieved [mm/dd/yy] from [childhealthdata.org](http://childhealthdata.org)*



# CONTENTS

## Introduction

Purpose of the 2017 NSCH SPSS Codebook .....	1
The CAHMI's Data Resource Center for Child and Adolescent Health (DRC).....	1
Overview of the NSCH .....	2
Important Information Regarding the 2017 NSCH Data.....	3

## Child and Family Health Measures and Subgroups

### Physical, Oral Health and Functional Status

1.1 Health status.....	8
1.2 Condition of teeth, age 1-17 years .....	9
1.2a Oral health problems, age 1-17 years .....	10
1.3 Breastfed ever, age 0-5 years .....	12
1.3a Exclusively breastfed, age 6 months-5 years .....	13
1.4 Weight status (BMI), in 4 categories, age 10-17 years .....	15
1.4a Weight status (BMI) in 3 categories, age 10-17 years .....	16
1.5 Physical activity, age 6-17 years .....	18
1.6 Concerns about current 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
Prevalence of current conditions .....	23
Severity of current conditions .....	29
110 One or more functional difficulties .....	34
1.11 Children with special health care needs.....	37
1.12 Effect of conditions on daily activities .....	40

## Emotional and Mental Health

2.1 Bully others, 6-17 years .....	41
2.2 Bullied, 6-17 years .....	42
2.3 Flourishing for young children, age 6 months-5 years .....	43
2.4 Flourishing for children and adolescents, age 6-17 years.....	45
2.5 Argue too much, age 6-17 years .....	47
2.6 Making and keeping friends, age 6-17 years.....	48
2.7 Prevalence of ADD/ADHD, age 3-17 years.....	49
2.7a Parent-rated severity of ADD/ADHD, age 3-17 years .....	50
2.7b Medication for ADD/ADHD, age 3-17 years .....	51
2.7c Received behavioral treatment for ADD/ADHD, age 3-17 years.....	52
2.8 Prevalence of autism/ASD, age 3-17 years.....	53

2.8a	Parent-rated severity of autism/ASD, age 3-17 years.....	54
2.8b	Medication for autism/ASD, age 3-17 years.....	55
2.8c	Received behavioral treatment for autism/ASD, age 3-17 years .....	56
2.8d	Age of diagnosis for autism/ASD, age 3-17 years.....	57
2.8e	Type of doctor or health care provider to first tell that child had autism/ASD, age 3-17 years ....	58
2.9	Medication for ADD/ADHD, ASD or difficulties with emotions, concentration, or behavior, age 3-17 years .....	59

#### **Health Insurance Coverage**

3.1	Current health insurance status.....	60
3.2	Consistency of insurance coverage.....	61
3.3	Type of health insurance .....	64
3.4	Adequacy of current insurance.....	65
3.4a	Adequate and continuous insurance .....	67
3.5	Insurance coverage for mental health care, age 3-17 years.....	68
3.6	Out-of-pocket cost for medical and health care.....	69

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

4.1	Medical care visit .....	70
4.1a	Preventive medical visit .....	71
4.1b	Time with doctor during the preventive medical visit.....	72
4.1c	Doctor spoke with child privately, age 12-17 years .....	73
4.2	Dentist visit, age 1-17 years .....	74
4.2a	Preventive dental care, age 1-17 years.....	75
4.3	Received both preventive medical and dental care.....	78
4.4	Received mental health care, age 3-17 years.....	79
4.4a	Problems obtaining mental health care, age 3-17 years .....	80
4.5	Received care from a specialist doctor.....	81
4.5a	Problems obtaining specialist care .....	82
4.6	Vision test .....	83
4.7	Hospital emergency room visit .....	84
4.8	Alternative health care or treatment .....	85
4.9	Doctor asked about parental concerns, age 0-5 years.....	86
4.10	Developmental screening, age 9-35 months .....	87
4.11	Special services for developmental needs .....	89
4.11a	Age started receiving special services for developmental needs.....	90
4.12	Medical home .....	91
4.12a	Personal doctor or nurse .....	96
4.12b	Usual source for sick care .....	97
4.12c	Family-centered care .....	98

4.12d	Problems getting referrals.....	100
4.12e	Effective care coordination .....	101
4.14	Shared decision-making .....	104
4.15	Transition to adult health care, age 12-17 years .....	106
4.17	Systems of care .....	108
4.18	Forgone health care.....	111
4.19	Problems paying medical bills .....	114
4.20	Frustrated in efforts to get services .....	115

### **Community and School Activities**

5.1	Special education or early intervention plan, age 1-17 years .....	116
5.1a	Age started special education or early intervention plan, age 1-17 years.....	117
5.2	School engagement, age 6-17 years.....	118
5.3	Repeated grade(s) in school, age 6-17 years .....	120
5.4	Missed school days, age 6-17 years .....	121
5.5	Participation in organized activities, age 6-17 years .....	122
5.6	Parent participation in child's event/activities, age 6-17 years .....	124
5.7	Participation in community service or volunteer work, age 6-17 years .....	125
5.8	Work for pay, age 12 -17 years .....	126
5.9	Adult mentor, age 6-17 years .....	127
5.10	Healthy and ready to learn, age 3-5 years (under development): individual items only .....	128

### **Family Health and Activities**

6.1	Physical health status of mother.....	133
6.1a	Physical health status of father.....	135
6.2	Mental health status of mother .....	137
6.2a	Mental health status of father .....	139
6.3	Overall health status of mother.....	141
6.3a	Overall health status of father.....	142
6.4	Someone living in the household smokes .....	143
6.4a	Someone smokes inside the home .....	144
6.5	Children living in "working poor" families .....	145
6.6	Family shares ideas, age 6-17 years.....	147
6.7	Family reads to children, age 0-5 years .....	148
6.8	Family sings and tells stories to children, age 0-5 years.....	149
6.9	Family eats meal together .....	150
6.10	Time spent watching TV or playing video games .....	151
6.11	Time spent with a computer, cell phone, electronic device .....	152
6.12	Family resilience .....	153
6.13	Adverse childhood experiences.....	155

6.14	Parental aggravation.....	158
6.15	Emotional help with parenthood .....	160
6.16	Coping with daily demands of raising children .....	163
6.17	Job change due to problems with child care, age 0-5 years .....	164
6.18	Stopped working and cut back hours due to child's health .....	165
6.19	Avoided changing jobs to maintain insurance .....	166
6.20a	Time spent providing at home health care .....	167
6.20b	Time spend coordinating health care .....	168
6.21	Received child care from others at least 10 hours/week, age 0-5 years.....	169
6.22	Sleep position, age 0-12 months .....	170
6.24	Child goes to bed same time on weeknights .....	171
6.25	Adequate amount of sleep, age 4 months-17 years.....	172
6.26	Food insufficiency .....	174
6.27	Received food or cash assistance.....	175

### **Neighborhood Safety and Support**

7.1	Supportive neighborhood.....	177
7.2	Safe neighborhood .....	178
7.3	Safe school, age 6-17 years.....	179
7.4	Neighborhood amenities .....	180
7.5	Presence of detracting neighborhood elements .....	182

### **Child and Family Demographics and Subgroups**

U.S. children in 3 age groups.....	185
Sex of child.....	186
Race and ethnicity distribution of the child population .....	187
Parental nativity.....	189
Primary household language .....	190
Primary household language for Hispanic children .....	191
Family structure of child's household .....	192
Income level (federal poverty level, FPL) of child's household .....	193
Income level (federal poverty level, FPL) of child's household - SCHIP groupings.....	194
Highest education of adult in household .....	195
Children who were born in US .....	196
Number of family members in the household .....	197
Military status of adult(s) household .....	197

### **Title V Services Block Grant Measures**

### **National Performance Measures**

NPM 6: Developmental screening, age 9-35 months .....	199
NPM 8.1: Physical activity, age 6-11 years.....	201
NPM 8.2: Physical activity, age 12-17 years.....	202
NPM 9: Bully others, age 12-17 years .....	203
NPM 9: Bullied, age 12-17 years .....	204
NPM 10: Preventive medical visit, age 12-17 years .....	205
NPM 11: Medical home, children with special health care needs (CSHCN) .....	206
NPM 11: Medical home, children without special health care needs (Non-CSHCN) .....	211
NPM 12: Transition to adult health care, CSHCN age 12-17 years .....	216
NPM 12: Transition to adult health care, Non-CSHCN age 12-17 years.....	219
NPM 13.2: Preventive dental visit, age 1-17 years.....	221
NPM 14.2: Someone living in the household smokes .....	222
NPM 15: Adequate and continuous insurance .....	223

#### **National Outcome Measures**

NOM 14: Tooth decay/cavities, age 1-17 years.....	226
NOM 17.1: Children with special health care needs .....	227
NOM 17.2: Systems of care, children with special health care needs .....	229
NOM 17.3: Autism/ASD, age 3-17 years .....	232
NOM 17.4: ADD/ADHD, age 3-17 years.....	233
NOM 18: Mental health treatment, age 3-17 years.....	234
NOM 19: Overall health status .....	236
NOM 20: Obesity, age 10-17 years .....	237
NOM 25:Forgone health care.....	239

<b>Appendix A:</b> Unweighted Frequency Tables - Child and Family Health Measures and Subgroups .....	A-1
<b>Appendix B:</b> Unweighted Frequency Tables - Title V Services Block Grant Measures.....	B-1
<b>Appendix C:</b> Notes on the Redesign of the NSCH .....	C-1
<b>Appendix D:</b> Notes on Imputation of Missing Values .....	D-1



## ***Acknowledgments***

This publication is prepared and updated, as needed, by the Child and Adolescent Health Measurement Initiative (CAHMI) located at the Department of Population, Family and Reproductive Health, Bloomberg School of Public Health, Johns Hopkins University.

The CAHMI team extends their heartfelt thanks to the Health Resources & Services Administration's (HRSA) 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 MCHB, a Technical Expert Panel (TEP), and many DRC national advisors and experts.

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 2017 NSCH SPSS Codebook

---

This codebook contains documentation and SPSS program syntax used in the development of the Child and Family Health Measures, Title V MCH Block Grant 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 2017 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 2017 NSCH Data Set, which includes all of the measures and subgroup variables listed herein. The data set is available free of charge, using the "Request Data Sets and Indicator Codebooks" feature on the DRC website, <http://childhealthdata.org/help/dataset>.

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

---

The DRC is a national center assisting in the design, development, documentation, and public dissemination of user-friendly information about, data findings on, and data sets and codebooks for the National Survey of Children's Health (NSCH). The DRC provides point-and-click online access to national and state-level findings from the NSCH.

The DRC is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number U59MC27866 and 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 300 standardized measures/items from the NSCH 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 and for any state where sample size permits. The survey questionnaires, sampling and administration diagrams, methods reports, selected papers, publications and briefs based on the surveys, and other resources can be accessed on the DRC web site.

### Overview of the NSCH

---

The National Survey of Children's Health (NSCH) is sponsored and directed by the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA), Maternal and Child Health Bureau (MCHB), and is conducted by the United States Census Bureau. 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. The survey is designed to:

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

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 family, and neighborhood and community characteristics.

Starting in 2016, the NSCH made several key changes from prior years of the survey. Among these changes, the NSCH consolidated content from two previous surveys (the NSCH and the National Survey of Children with Special Health Care Needs) and is administered via web- and mail- (paper) based instruments. In addition, starting in 2016, the NSCH is fielded annually.

The 2017 survey was conducted from August 2017 to February 2018. A total of 21,599 surveys were completed nationally by parents/caregivers of children and youth for the 2017 NSCH. The 2017 data set contains approximately 423 surveys per state (state range: 343 to 470). Survey data are adjusted and weighted to reflect the demographic composition of non-institutionalized children and youth aged 0–17 years in each state.

NSCH questionnaires were completed by mail and online. Households received a mailed invitation asking an adult who is familiar with the child's health and health care in the household (usually the parent) to complete a short screener questionnaire (via web or paper). The screener questionnaire asked participants to identify all children ages 0–17 living in the household. If a child (or children) lived in the household, the participants who choose to respond online were 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 screener was provided if the household did not respond to the first two web-survey invitations. Some participants were also mailed a paper screening questionnaire with the initial invitation. Participants could also request a paper copy of the screener and topical questionnaire if they did not wish to complete it online. A simple visual diagram for the survey sampling and administration is available on the [DRC website](#). More detailed information about the sampling and administration of the survey is available in the 2017 NSCH [Methodology Report](#). See Appendix C to learn more about the redesign of the NSCH.

Additional resources detailing information about the NSCH - including Fast Facts, a Survey Sampling and Administration Diagram, and a Guide to Topics and Questions - are available [on the DRC](#). The public use data files for the 2017 NSCH, along with the Methodology Report and other relevant background

information and documentation are located on the [US Census Bureau website](#) and on the [HRSA's MCHB website](#).

## Important Information Regarding the 2017 NSCH Data

---

### ***Weighting***

Each record in the individual 2017 NSCH public release data set is assigned a single sampling weight (**FWC**).

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, 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 American Community Survey (ACS). More details are available within the 2017 [National Survey of Children's Health Methodology Report](#) and [Source and Accuracy Statements](#) published by the US Census Bureau.

### ***Variance estimation***

The use of statistical software with the capacity to take into account the complex sampling design of the NSCH is required in order 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 SAS survey procedures, SAS-callable SUDAAN survey procedures, Stata, WesVar, SPSS Complex Samples and R with the separate survey package.

### **The survey sampling plan should be set up as follows:**

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

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

**Weight:** FWC

Additional information about stratum identifiers for specific statistical software (Stata and SAS-callable SUDAAN) is available in the NSCH [Methodology Report](#) by the US Census Bureau.

The NSCH was designed to provide representative estimates 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.**

### **Trending**

Results from the 2017 NSCH can be compared to those from the 2016 NSCH. Some survey items may not be comparable if there were changes to the wording of the question or the response options provided. More information about the changes between the 2016 and 2017 NSCH is available in the “What’s new and changed in the 2017 National Survey of Children’s Health as compared to the 2016 NSCH” document on the [DRC website](#). When considering trending (or combining the data sets), additional information is available in the [Guide to Analysis of Multi-Year NSCH Data](#) provided by the US Census Bureau.

***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, the 2017 NSCH data can only be compared to the 2016 NSCH but not to any years prior to 2016.***

### **Combining NSCH datasets**

The 2017 NSCH data set can be combined with the 2016 NSCH using a unique household identifier. Combining the 2016 and 2017 NSCH results will increase the available sample size particularly at the state level. This will increase the ability of states to assess characteristics of children in their state. Some rare conditions or single items may still have a restricted data sample even with the combined years, thereby limiting the availability of state-level data or subgroup-level data.

Information on how to combine the data sets and weight adjustments is available in the [Guide to Analysis of Multi-Year NSCH Data](#) provided by the US Census Bureau.

### **State data availability**

State-level data is available for many items and Title V Block Grant Performance and Outcome Measures, but may not be available for some states or 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 HRSA’s 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)

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

It is important to note that the US Census Bureau uses 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 US **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, MA, MN, MT, NE, NH, NM, ND, OK, OR, SD, UT, VT, WA, WV, WI, WY
- **Asian:** AL, AZ, AR, CO, DC, ID, IN, IA, KS, KY, LA, ME, MN, MS, MO, MT, NE, NH, NM, NC, ND, OH, OK, OR, PA, RI, SC, SD, TN, UT, VT, WV, WI, WY
- **Hispanic Origin:** AL, ME, NH, ND, SD, VT, WV

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

The 2017 National Survey of Children’s Health reports four geographic variables 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). Data for CBSAfp\_YN, METRO\_YN, and MPC\_YN are not reported for some states in the public use file. More information about the geographic variables can be found on the US Census Bureau’s 2017 National Survey of Children’s Health, [Methodology Reports](#).

Zip code data are 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 US Census Bureau’s [Research Data Center](#) web page.

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

The respondents to the NSCH are parents or guardians who best know the child’s health. 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, 6–17, 10–17, and 12–17 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 (4.2% unweighted) of children age 10-17, nationwide. The impact of missing values on population count estimates is available on the [DRC website](#).

The SPSS data files for the 2017 NSCH include special missing value codes for analysts who may wish to differentiate between different types of missing values as shown in Table 1.

**Table 1. SPSS special missing value codes**

Code	Category	Description
95	Legitimate skip	<ul style="list-style-type: none"><li>• The item is not applicable to the respondent, as determined by a previous answer to a root question.</li><li>• Some questions were asked about children in the survey and then later excluded (set to 95) due to the indicator/measure denominator definition (e.g the denominator for NOM 17.3 Autism/ASD is children age 3-17 years even though the survey question was asked for all children (0-17). Children age 0-2 year were set to 95 for this measure.)</li></ul>
99	No valid response	The value is missing due to respondent or system errors, or the respondent did not provide a valid answer
90	Not in universe	The item was not included on the respondent's age-specific topical questionnaire.
98	Suppressed for confidentiality	The value is suppressed in order to protect the privacy of the respondent/child.

### **Imputation of missing values**

The poverty level variable had 16.03% missing values which may result in biased estimates. Therefore, the missing values were imputed by the Census Bureau. The 2017 NSCH topical public use file contains all six imputed FPL (FPL\_I1-FPL\_I6) variables **for users who wish to estimate multiple imputed poverty level.**

The 2017 data files also offer several other imputed variables, such as child's sex (SC\_SEX), race (SC\_RACE\_R, SC\_RACER, SC\_RACEASIA, SC\_RACEAIAN), Hispanic origin (SC\_HISPANIC),

household size (HHSIZE\_I) and Adult 1's highest education level (A1\_GRAD\_I) with a corresponding flag variable to let you know which cases were imputed.

Results tables available on the DRC data query use values obtained by **single imputation** provided in the US Census Bureau data files (FPL\_I1). **The estimates and confidence intervals based on single imputation will differ from those calculated using multiple imputation.**

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.**

The list of variables for the 2017 data set is available in the compressed folder you have downloaded along with this codebook.

# **2017 National Survey of Children's Health**

## **Child and Family Health Measures**

---



**Physical, Oral Health and Functional Status**

Indicator 1.1	Health status (ChHlthSt_17)
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/Response Categories	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 two response categories. Estimates may vary compared to similar indicators from other surveys provided elsewhere on the CAHMI website because of differences in survey wording and survey administration.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q01 (1 thru 2=1) (3=2) (4 thru 5=3) (99=99) into ChHlthSt_17. VARIABLE LABELS ChHlthSt_17 "Indicator 1.1: Children's overall health status". VALUE LABELS ChHlthSt_17 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES ChHlthSt_17(99). FORMATS ChHlthSt_17(f2.0). EXECUTE. </pre>	

<b>Indicator 1.2</b>	<b>Condition of teeth, age 1-17 years (TeethCond_17)</b>
<b>Description</b>	How would you describe the condition of this child's teeth?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 1-17 years
<b>Numerator/Response Categories</b>	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>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q01_D (1 thru 2=1) (3=2) (4 thru 5=3) (6=95) (99=99) into TeethCond_17. IF SC_AGE_YEARS &lt; 1 TeethCond_17 = 95. VARIABLE LABELS TeethCond_17 "Indicator 1.2: Overall condition of children's teeth, age 1-17 years". VALUE LABELS TeethCond_17 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 95 "Children age less than year old or Children with no teeth" 99 "Missing". MISSING VALUES TeethCond_17(95,99). FORMATS TeethCond_17(f4.0). EXECUTE. </pre>	

<b>Indicator 1.2a</b>	<b>Oral health problems, age 1-17 years (OralProb_17)</b>
<b>Description</b>	During the past 12 months, has this child had oral health problems such as toothaches, bleeding gums or decayed teeth or cavities?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A4 g-i; for children 6-11 years: A4 e-g; for children 12-17 years: A4 e-g Variables in public use data file: TOOTHACHE; GUMBLEED; CAVITIES
<b>Denominator</b>	Children age 1-17 years
<b>Numerator/Response Categories</b>	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 has had a toothache in the past 12 months, whether the child had bleeding gums in the past 12 months, and whether the child had decayed teeth/cavities in the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE toothache_17 = TOOTHACHES. IF SC AGE YEARS &lt; 1 toothache_17 = 95. VARIABLE LABELS toothache_17 "Children who had toothache during the past 12 months, age 1-17 years". VALUE LABELS toothache_17 1 "Yes" 2 "No" 95 "Children age less than 1 year old" 99 "Missing". MISSING VALUES toothache_17(95,99). EXECUTE.  COMPUTE gumbleed_17 = GUMBLEED. IF SC AGE YEARS &lt; 1 gumbleed_17 = 95. VARIABLE LABELS gumbleed_17 "Children who had bleeding gum during the past 12 months, age 1-17 years". VALUE LABELS gumbleed_17 1 "Yes" 2 "No" 95 "Children age less than 1 year old" 99 "Missing". MISSING VALUES gumbleed_17(95,99). EXECUTE.  COMPUTE cavities_17 = CAVITIES. IF SC AGE YEARS &lt; 1 cavities_17 = 95. </pre>	

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

VARIABLE LABELS cavities\_17 "Children who had decayed teeth or cavities during the past 12 months, age 1-17 years".

VALUE LABELS cavities\_17

1 "Yes"

2 "No"

95 "Children age less than 1 year old"

99 "Missing".

MISSING VALUES cavities\_17(95,99).

EXECUTE.

COUNT ctOralProb\_17 = TOOTHACHES GUMBLEED CAVITIES(1).

IF TOOTHACHES = 99 and GUMBLEED =99 and CAVITIES = 99 ctOralProb\_17 = 99.

IF SC\_AGE\_YEARS < 1 ctOralProb\_17 = 95.

VARIABLE LABELS ctOralProb\_17 "Number of oral health problems, age 1-17 years".

VALUE LABELS ctOralProb\_17

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\_17 = 999.

IF ctOralProb\_17 = 0 OralProb\_17 = 2.

IF ctOralProb\_17 > 0 OralProb\_17 = 1.

IF ctOralProb\_17 = 99 OralProb\_17 = 99.

IF SC\_AGE\_YEARS < 1 OralProb\_17 = 95.

VARIABLE LABELS OralProb\_17 "Indicator 1.2a: Oral health problems: toothache, bleeding gums, and/or decayed teeth or cavities, age 1-17 years".

VALUE LABELS OralProb\_17

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\_17(95,99).

FORMATS OralProb\_17(f2.0).

EXECUTE.

<b>Indicator 1.3</b>	<b>Breastfed ever, age 0-5 years (BrstEver_17)</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/Response Categories</b>	Children less than 6 years old who were breastfed or fed breast milk; Children less than 6 years old who were never breastfed or fed breast milk
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q40 (else=copy) into BrstEver_17. IF SC_AGE_YEARS &gt; 5 BrstEver_17 = 90. VARIABLE LABELS BrstEver_17 "Indicator 1.3: Children who were ever breastfed or fed breast milk, age 0-5 years". VALUE LABELS BrstEver_17 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES BrstEver_17(90,99). FORMATS BrstEver_17(f4.0). EXECUTE. </pre>	

<b>Indicator 1.3a</b>	<b>Exclusively breastfed first 6 months, age 6 months-5 years (ExBrstFd_17)</b>
<b>Description</b>	Was this child exclusively breastfed for 6 months?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: B4;B5;B6;B7 Variables in public use data file: K6Q40; BREASTFEDEND_MO_S; K6Q41R_STILL; FRSTFORMULA_MO_S; FRSTSOLIDS_MO_S
<b>Denominator</b>	Children age 6 months - 5 years
<b>Numerator/Response Categories</b>	Children who were never breastfed or fed breast milk; Children who were exclusively breastfed or fed breast milk for the first six months of life; Children who were breast fed or fed breast milk, but not exclusively during the first six months of life; Children whose breastfeeding 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 completely stopped, 3) age at which formula was introduced, and 4) age at which anything other than breast milk or formula 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BrstStop_17 = 999. IF BREASTFEDEND_MO_S &lt; 6 BrstStop_17 = 1. IF BREASTFEDEND_MO_S &gt;= 6 OR K6Q41R_STILL = 1 BrstStop_17 = 2. IF K6Q40 = 2 BrstStop_17 = 95. IF BREASTFEDEND_MO_S = 99 BrstStop_17 = 99. IF SC_AGE_YEARS &gt; 5 BrstStop_17 = 90. VARIABLE LABELS BrstStop_17 "Age in months of when stopped breastfeeding". VALUE LABELS BrstStop_17 1 "Less than 6 months" 2 "6 months or longer, or still breastfeeding" 95 "Never breastfeed" 99 "Missing" 90 "Children age 6-17 years".  COMPUTE FedForm_17 = 999. IF FRSTFORMULA_MO_S &lt; 6 FedForm_17 = 1. IF FRSTFORMULA_MO_S &gt;= 6 or K6Q42R_NEVER = 1 FedForm_17 = 2. IF FRSTFORMULA_MO_S=99 FedForm_17 = 99. IF SC_AGE_YEARS &gt; 5 FedForm_17 = 90. </pre>	

```
VARIABLE LABELS FedForm_17 "Age in months when first fed formula".
VALUE LABELS FedForm_17
1 "Earlier than 6 months"
2 "6 months or after or never fed formula"
99 "Missing"
90 "Children age 6-17 years".
```

```
COMPUTE FedOther_17=999.
IF FRSTSOLIDS_MO_S < 6 FedOther_17 = 1.
IF FRSTSOLIDS_MO_S >= 6 or K6Q43R_NEVER = 1 FedOther_17 = 2.
IF FRSTSOLIDS_MO_S=99 FedOther_17 = 99.
IF SC_AGE_YEARS > 5 FedOther_17 = 90.
```

```
VARIABLE LABELS FedOther_17 "Age in months when first fed other food".
VALUE LABELS FedOther_17
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_17 = 4.
IF BrstStop_17 = 2 and FedForm_17 = 2 and FedOther_17 = 2 ExBrstFd_17 = 2.
IF BrstStop_17 = 1 or FedForm_17 = 1 or FedOther_17 = 1 ExBrstFd_17 = 3.
IF K6Q40 = 2 ExBrstFd_17 = 1.
IF K6Q40=99 ExBrstFd_17 = 99.
IF SC_AGE_LT6 = 1 ExBrstFd_17 = 95.
IF SC_AGE_YEARS > 5 ExBrstFd_17 = 90.
VARIABLE LABELS ExBrstFd_17 "Indicator 1.3a: Exclusively breastfed or given breast milk for first 6 months, age 6 months-5 years".
VALUE LABELS ExBrstFd_17
1 "Never breastfed or given breast milk"
2 "Exclusively breastfed for first 6 months"
3 "Breastfed first six months, not exclusively"
4 "Breastfed, exclusivity not known"
99 "Missing"
95 "Children less than 6 months"
90 "Children age 6-17 years".
MISSING VALUES ExBrstFd_17(90,95,99).
```

<b>Indicator 1.4</b>	<b>Weight status (BMI) in 4 categories, age 10-17 years (BMI4_17)</b>
<b>Description</b>	What is the weight status of this child based on Body Mass Index (BMI)-for-age?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 10-17 years
<b>Numerator/Response Categories</b>	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 (BMI) 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 <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. 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BMI4_17 = BMICLASS. IF SC_AGE_YEARS &lt; 10 BMI4_17 = 90. VARIABLE LABELS BMI4_17 "Indicator 1.4: Weight status of children based on Body Mass Index for age - 4 categories, 10-17 years". VALUE LABELS BMI4_17 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_17(90,99). EXECUTE. </pre>	

<b>Indicator 1.4a</b>	<b>Weight status (BMI) in 3 categories, age 10-17 years (BMI3_17)</b>
<b>Description</b>	Is this child currently overweight or obese, based on Body Mass Index (BMI)-for-age?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 10-17 years
<b>Numerator/Response Categories</b>	Children underweight (less than 5th percentile); Children with healthy weight (5th to 84th percentile); Overweight or obese children (85th or above)
<b>Notes for Data-Users</b>	
<p>Assessment of body mass index (BMI) 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 <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. 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BMI3_17 = 999. IF BMICLASS = 1 BMI3_17 = 1. IF BMICLASS = 2 BMI3_17 = 2. IF BMICLASS = 3 or BMICLASS = 4 BMI3_17 = 3. IF BMICLASS=99 BMI3_17 = 99. IF SC_AGE_YEARS &lt; 10 BMI3_17 = 90. VARIABLE LABELS BMI3_17 "Indicator 1.4a: Weight status of children based on Body Mass Index for age - 3 categories, 10-17 years". VALUE LABELS BMI3_17 1 "Underweight (less than 5th percentile)" 2 "Healthy weight (5th to 84th percentile)" 3 "Overweight or obese (85th percentile or above)" 99 "Missing" </pre>	

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

90 "Children age 0-9 years".  
MISSING VALUES BMI3\_17(90,99).  
EXECUTE.

<b>Indicator 1.5</b>	<b>Physical activity, age 6-17 years (PhysAct_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	Survey instrument item number: for children 6-11 years: G6; for children 12-17 years: G6 Variable in public use data file: PHYSACTIV
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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 was asked for children between 6 and 17 years of age.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PhysAct_17 = PHYSACTIV. IF SC_AGE_YEARS &lt; 6 PhysAct_17 = 90. VARIABLE LABELS PhysAct_17 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_17 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_17(90,99). FORMATS PhysAct_17(f2.0). EXECUTE. </pre>	

<b>Indicator 1.6</b>	<b>Concerns about current weight (WgtConcn_17)</b>
<b>Description</b>	Are you concerned about this child's weight?
<b>Survey Items Used</b>	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: WGTCNC
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children whose parents have a concern that their child's weight is too high; Children whose parents have a concern that their child's weight is too low; Children whose parents do not have concerns about their child's weight
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE WgtConcn_17 = WGTCNC. VARIABLE LABELS WgtConcn_17 "Indicator 1.6: Parental concern about their children's weight". VALUE LABELS WgtConcn_17 1 "Yes, concerned it is too high" 2 "Yes, concerned it is too low" 3 "No, not concerned" 99 "Missing". MISSING VALUES WgtConcn_17(99). FORMATS WgtConcn_17(f2.0). EXECUTE. </pre>	

<b>Indicator 1.7</b>	<b>Low birth weight (LowBWght_17)</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?
<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_L
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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>	
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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE LowBWght_17 = BIRTHWT_L. VARIABLE LABELS LowBWght_17 "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_17 1 "Child was born with low birth weight (&lt;2500g)" 2 "Not born with a low birth weight" 99 "Missing". MISSING VALUES LowBWght_17(999). EXECUTE. </pre>	

<b>Indicator 1.7a</b>	<b>Low or very low birth weight (VeryLBWght_17)</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 (derived)
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</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
<b>Notes for Data-Users</b>	
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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE VeryLBWght_17 = BIRTHWT. VARIABLE LABELS VeryLBWght_17 "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_17 1 "Child was born with very low birth weight (&lt;1500g)" 2 "Child was born with low birth weight (1500-&lt;2500g)" 3 "Not born with a low birth weight" 99 "Missing". MISSING VALUES VeryLBWght_17(99). EXECUTE. </pre>	

<b>Indicator 1.8</b>	Premature birth (BornPre_17)
<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/Response Categories</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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BornPre_17 = K2Q05. VARIABLE LABELS BornPre_17 "Indicator 1.8: Children who were born premature, that is more than 3 weeks before their due date". VALUE LABELS BornPre_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES BornPre_17(99). EXECUTE. </pre>	

<b>Indicator 1.9</b>	<b>One or more health conditions (Cond2more27_17)</b>
<b>Description</b>	Does this child currently have one or more health conditions from a list of 26 (27 for children age 6-17 years) conditions?
<b>Survey Items Used</b>	<p>Survey instrument item number for children 0-5 years: A5a,b, A6-A28, A33; for children 6-11 years: A5d,e, A6-A29, A34; for children 12-17 years: A5e,f, A6-A29, A34</p> <p>Variable name in public use data file: ALLERGIES; ALLERGIES_CURR; ARTHRITIS; ARTHRITIS_CURR; K2Q40A; K2Q40B; BLOOD; BLOOD_CURR; K2Q46A; K2Q46B; K2Q61A; K2Q61B; CYSTFIB; CYSTFIB_CURR; K2Q41A; K2Q41B; DOWNSYN; DOWNSYN_CURR; K2Q42A; K2Q42B; GENETIC; GENETIC_CURR; HEART; HEART_CURR; HEADACHE; HEADACHE_CURR; K2Q38A; K2Q38B; K2Q33A; K2Q33B; K2Q32A; K2Q32B; K2Q34A; K2Q34B; SUBABUSE; SUBABUSE_CURR; K2Q36A; K2Q36B; K2Q60A; K2Q60B; K2Q37A; K2Q37B; K2Q30A; K2Q30B; ANYOTHER; ANYOTHER_CURR; K2Q35A; K2Q35B; K2Q31A; K2Q31B; K2Q43B; BLINDNESS</p>
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 based on 27 conditions asked in the survey. If no age group is noted then the condition was scored for all ages: 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 (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 (also known as mental retardation) (3-17 years), speech or other language disorder (3-17 years), learning disability (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. The measure was constructed from responses to two questions about each of the 25 health conditions (except hearing and vision problems, each of these condition had one question). Respondents were asked whether they have EVER been told by a doctor or other health care provider (or educator for behavioral conditions) that the child has the condition, and whether the child CURRENTLY has the condition. Deafness or problems with hearing, and blindness or problems with seeing (even when wearing glasses) were each assessed in a single item. 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>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	

**SPSS Syntax and Annotation**

```

COMPUTE allergies_17 = 999.
IF ALLERGIES = 2 allergies_17 = 1.
IF ALLERGIES = 1 and ALLERGIES_CURR = 2 allergies_17 = 2.
IF ALLERGIES = 1 and ALLERGIES_CURR = 1 allergies_17 = 3.
IF ALLERGIES=99 or ALLERGIES_CURR=99 allergies_17 = 99.
VARIABLE LABELS allergies_17 "Children currently have allergies including food, drug, insect, or other".
VALUE LABELS allergies_17
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

```

```

COMPUTE arthritis_17 = 999.
IF ARTHRITIS = 2 arthritis_17 = 1.
IF ARTHRITIS = 1 and ARTHRITIS_CURR = 2 arthritis_17 = 2.
IF ARTHRITIS = 1 and ARTHRITIS_CURR = 1 arthritis_17 = 3.
IF ARTHRITIS=99 or ARTHRITIS_CURR=99 arthritis_17 = 99.
VARIABLE LABELS arthritis_17 "Children currently have arthritis".
VALUE LABELS arthritis_17
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

```

```

COMPUTE asthma_17 = 99.
IF K2Q40A = 2 asthma_17 = 1.
IF K2Q40A = 1 and K2Q40B = 2 asthma_17 = 2.
IF K2Q40A = 1 and K2Q40B = 1 asthma_17 = 3.
IF K2Q40A=99 or K2Q40B=99 asthma_17 = 99.
VARIABLE LABELS asthma_17 "Children currently have asthma".
VALUE LABELS asthma_17
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

```

```

COMPUTE blood_17 = 999.
IF BLOOD = 2 blood_17 = 1.
IF BLOOD = 1 and BLOOD_CURR = 2 blood_17 = 2.
IF BLOOD = 1 and BLOOD_CURR = 1 blood_17 = 3.
IF BLOOD=99 or BLOOD_CURR=99 blood_17 = 99.
VARIABLE LABELS blood_17 "Children currently have blood disorders such as sickle cell disease, thalassemia, or hemophilia".
VALUE LABELS blood_17
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

```

```

COMPUTE BrainInj_17 = 999.
IF K2Q46A = 2 BrainInj_17 = 1.
IF K2Q46A = 1 and K2Q46B = 2 BrainInj_17 = 2.
IF K2Q46A = 1 and K2Q46B = 1 BrainInj_17 = 3.
IF K2Q46A=99 or K2Q46B=99 BrainInj_17 = 99.

```

VARIABLE LABELS BrainInj\_17 "Children currently have a brain injury or concussion".

VALUE LABELS BrainInj\_17

1 "Do not have condition"

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

3 "Currently have condition"

99 "Missing".

COMPUTE palsy\_17 = 999.

IF K2Q61A = 2 palsy\_17 = 1.

IF K2Q61A = 1 and K2Q61B = 2 palsy\_17 = 2.

IF K2Q61A = 1 and K2Q61B = 1 palsy\_17 = 3.

IF K2Q61A=99 or K2Q61B=99 palsy\_17 = 99.

VARIABLE LABELS palsy\_17 "Children currently have cerebral palsy".

VALUE LABELS palsy\_17

1 "Do not have condition"

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

3 "Currently have condition"

99 "Missing".

COMPUTE CystFib\_17 = 999.

IF CYSTFIB = 2 CystFib\_17 = 1.

IF CYSTFIB = 1 and CYSTFIB\_CURR = 2 CystFib\_17 = 2.

IF CYSTFIB = 1 and CYSTFIB\_CURR = 1 CystFib\_17 = 3.

IF CYSTFIB=99 or CYSTFIB\_CURR=99 CystFib\_17 = 99.

VARIABLE LABELS CystFib\_17 "Children currently have cystic fibrosis".

VALUE LABELS CystFib\_17

1 "Do not have condition"

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

3 "Currently have condition"

99 "Missing".

COMPUTE diabetes\_17 = 999.

IF K2Q41A = 2 diabetes\_17 = 1.

IF K2Q41A = 1 and K2Q41B = 2 diabetes\_17 = 2.

IF K2Q41A = 1 and K2Q41B = 1 diabetes\_17 = 3.

IF K2Q41A=99 or K2Q41B=99 diabetes\_17 = 99.

VARIABLE LABELS diabetes\_17 "Children currently have diabetes".

VALUE LABELS diabetes\_17

1 "Do not have condition"

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

3 "Currently have condition"

99 "Missing".

COMPUTE DownSynd\_17 = 999.

IF DOWNSYN = 2 DownSynd\_17 = 1.

IF DOWNSYN = 1 and DOWNSYN\_CURR = 2 DownSynd\_17 = 2.

IF DOWNSYN = 1 and DOWNSYN\_CURR = 1 DownSynd\_17 = 3.

IF DOWNSYN=99 or DOWNSYN\_CURR=99 DownSynd\_17 = 99.

VARIABLE LABELS DownSynd\_17 "Children currently have Down Syndrome".

VALUE LABELS DownSynd\_17

1 "Do not have condition"

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

3 "Currently have condition"

99 "Missing".

COMPUTE seizure\_17 = 999.

IF K2Q42A = 2 seizure\_17 = 1.

```

IF K2Q42A = 1 and K2Q42B = 2 seizure_17 = 2.
IF K2Q42A = 1 and K2Q42B = 1 seizure_17 = 3.
IF K2Q42A=99 or K2Q42B=99 seizure_17 = 99.
VARIABLE LABELS seizure_17 "Children currently have epilepsy or seizure disorder".
VALUE LABELS seizure_17
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE genetic_17 = 999.
IF GENETIC = 2 genetic_17 = 1.
IF GENETIC = 1 and GENETIC_CURR = 2 genetic_17 = 2.
IF GENETIC = 1 and GENETIC_CURR = 1 genetic_17 = 3.
IF GENETIC=99 or GENETIC_CURR=99 genetic_17 = 99.
VARIABLE LABELS genetic_17 "Children currently have a genetic or inherited condition".
VALUE LABELS genetic_17
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE heart_17 = 999.
IF HEART = 2 heart_17 = 1.
IF HEART = 1 and HEART_CURR = 2 heart_17 = 2.
IF HEART = 1 and HEART_CURR = 1 heart_17 = 3.
IF HEART=99 or HEART_CURR=99 heart_17 = 99.
VARIABLE LABELS heart_17 "Children currently have a heart condition".
VALUE LABELS heart_17
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE headache_17 = 999.
IF HEADACHE = 2 headache_17 = 1.
IF HEADACHE = 1 and HEADACHE_CURR = 2 headache_17 = 2.
IF HEADACHE = 1 and HEADACHE_CURR = 1 headache_17 = 3.
IF HEADACHE=99 or HEADACHE_CURR=99 headache_17 = 99.
IF SC_AGE_YEARS < 3 headache_17 = 95.
VARIABLE LABELS headache_17 "Children currently have frequent severe headache, including migraine, age 3-17 years".
VALUE LABELS headache_17
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_17 = 999.
IF K2Q38A = 2 tourette_17 = 1.
IF K2Q38A = 1 and K2Q38B = 2 tourette_17 = 2.
IF K2Q38A = 1 and K2Q38B = 1 tourette_17 = 3.
IF K2Q38A=99 or K2Q38B=99 tourette_17 = 99.
IF SC_AGE_YEARS < 3 tourette_17 = 95.
VARIABLE LABELS tourette_17 "Children currently have Tourette Syndrome, age 3-17 years".
VALUE LABELS tourette_17

```

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\_17 = 999.  
 IF K2Q33A = 2 anxiety\_17 = 1.  
 IF K2Q33A = 1 and K2Q33B = 2 anxiety\_17 = 2.  
 IF K2Q33A = 1 and K2Q33B = 1 anxiety\_17 = 3.  
 IF K2Q33A=99 or K2Q33B=99 anxiety\_17 = 99.  
 IF SC\_AGE\_YEARS < 3 anxiety\_17 = 95.

VARIABLE LABELS anxiety\_17 "Children currently have anxiety problems, age 3-17 years".  
 VALUE LABELS anxiety\_17  
 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\_17 = 999.  
 IF K2Q32A = 2 depress\_17 = 1.  
 IF K2Q32A = 1 and K2Q32B = 2 depress\_17 = 2.  
 IF K2Q32A = 1 and K2Q32B = 1 depress\_17 = 3.  
 IF K2Q32A=99 or K2Q32B=99 depress\_17 = 99.  
 IF SC\_AGE\_YEARS < 3 depress\_17 = 95.

VARIABLE LABELS depress\_17 "Children currently have depression, age 3-17 years".  
 VALUE LABELS depress\_17  
 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\_17 = 999.  
 IF K2Q34A = 2 behavior\_17 = 1.  
 IF K2Q34A = 1 and K2Q34B = 2 behavior\_17 = 2.  
 IF K2Q34A = 1 and K2Q34B = 1 behavior\_17 = 3.  
 IF K2Q34A=99 or K2Q34B=99 behavior\_17 = 99.  
 IF SC\_AGE\_YEARS < 3 behavior\_17 = 95.

VARIABLE LABELS behavior\_17 "Children currently have behavioral or conduct problems, age 3-17 years".  
 VALUE LABELS behavior\_17  
 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\_17 = 999.  
 IF SUBABUSE = 2 SubAbuse\_17 = 1.  
 IF SUBABUSE = 1 and SUBABUSE\_CURR = 2 SubAbuse\_17 = 2.  
 IF SUBABUSE = 1 and SUBABUSE\_CURR = 1 SubAbuse\_17 = 3.  
 IF SUBABUSE=99 or SUBABUSE\_CURR=99 SubAbuse\_17 = 99.  
 IF SC\_AGE\_YEARS < 6 SubAbuse\_17 = 95.

VARIABLE LABELS SubAbuse\_17 "Children currently have substance abuse disorder, age 6-17 years".  
 VALUE LABELS SubAbuse\_17  
 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\_17 = 999.  
 IF K2Q36A = 2 DevDelay\_17 = 1.  
 IF K2Q36A = 1 and K2Q36B = 2 DevDelay\_17 = 2.  
 IF K2Q36A = 1 and K2Q36B = 1 DevDelay\_17 = 3.  
 IF K2Q36A=99 or K2Q36B=99 DevDelay\_17 = 99.  
 IF SC\_AGE\_YEARS < 3 DevDelay\_17 = 95.

VARIABLE LABELS DevDelay\_17 "Children currently have any developmental delay, age 3-17 years".  
 VALUE LABELS DevDelay\_17  
 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\_17 = 999.  
 IF K2Q60A = 2 IntDisab\_17 = 1.  
 IF K2Q60A = 1 and K2Q60B = 2 IntDisab\_17 = 2.  
 IF K2Q60A = 1 and K2Q60B = 1 IntDisab\_17 = 3.  
 IF K2Q60A=99 or K2Q60B=99 IntDisab\_17 = 99.  
 IF SC\_AGE\_YEARS < 3 IntDisab\_17 = 95.

VARIABLE LABELS IntDisab\_17 "Children currently have intellectual disability or mental retardation, age 3-17 years".  
 VALUE LABELS intdisab\_17  
 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\_17 = 999.  
 IF K2Q37A = 2 speech\_17 = 1.  
 IF K2Q37A = 1 and K2Q37B = 2 speech\_17 = 2.  
 IF K2Q37A = 1 and K2Q37B = 1 speech\_17 = 3.  
 IF K2Q37A=99 or K2Q37B=99 speech\_17 = 99.  
 IF SC\_AGE\_YEARS < 3 speech\_17 = 95.

VARIABLE LABELS speech\_17 "Children currently have any stuttering, stammering, or other speech problems, age 3-17 years".  
 VALUE LABELS speech\_17  
 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\_17 = 999.  
 IF K2Q30A = 2 learning\_17 = 1.  
 IF K2Q30A = 1 and K2Q30B = 2 learning\_17 = 2.  
 IF K2Q30A = 1 and K2Q30B = 1 learning\_17 = 3.  
 IF K2Q30A=99 or K2Q30B=99 learning\_17 = 99.  
 IF SC\_AGE\_YEARS < 3 learning\_17 = 95.

VARIABLE LABELS learning\_17 "Children currently have a learning disability, age 3-17 years".  
 VALUE LABELS learning\_17

```

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_17 = 999.
IF ANYOTHER = 2 OthrMent_17 = 1.
IF ANYOTHER = 1 and ANYOTHER_CURR = 2 OthrMent_17 = 2.
IF ANYOTHER = 1 and ANYOTHER_CURR = 1 OthrMent_17 = 3.
IF ANYOTHER=99 or ANYOTHER_CURR=99 OthrMent_17 = 99.
IF SC AGE_YEARS < 3 OthrMent_17 = 95.

```

VARIABLE LABELS OthrMent\_17 "Children currently have any other mental health condition, age 3-17 years".

```

VALUE LABELS OthrMent_17
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_17 = 999.
IF K2Q35A = 2 autism_17 = 1.
IF K2Q35A = 1 and K2Q35B = 2 autism_17 = 2.
IF K2Q35A = 1 and K2Q35B = 1 autism_17 = 3.
IF K2Q35A=99 or K2Q35B=99 autism_17 = 99.
IF SC AGE_YEARS < 3 autism_17 = 95.

```

VARIABLE LABELS autism\_17 "Children currently have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder, age 3-17 years".

```

VALUE LABELS autism_17
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_17 = 999.
IF K2Q31A = 2 ADHD_17 = 1.
IF K2Q31A = 1 and K2Q31B = 2 ADHD_17 = 2.
IF K2Q31A = 1 and K2Q31B = 1 ADHD_17 = 3.
IF K2Q31A=99 or K2Q31B=99 ADHD_17 = 99.
IF SC AGE_YEARS < 3 ADHD_17 = 95.

```

VARIABLE LABELS ADHD\_17 "Children currently have ADD or ADHD, age 3-17 years".

```

VALUE LABELS ADHD_17
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
(else=copy) into hearing_17.
VARIABLE LABELS hearing_17 "Children who have deafness or problems with hearing".
VALUE LABELS hearing_17
1 "Yes"
2 "No"
99 "Missing".

```

MISSING VALUES hearing\_17(99).

RECODE BLINDNESS

(else=copy) into vision\_17.

VARIABLE LABELS vision\_17 "Children who have blindness or problems with seeing, even when wearing glasses".

VALUE LABELS vision\_17

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES vision\_17(99).

MISSING VALUES allergies\_17 arthritis\_17 asthma\_17 blood\_17 BrainInj\_17 palsy\_17 CystFib\_17 diabetes\_17 DownSynd\_17 seizure\_17

genetic\_17 heart\_17 headache\_17 tourette\_17 anxiety\_17 depress\_17 behavior\_17 DevDelay\_17

intdisab\_17 speech\_17

learning\_17 OthrMent\_17 autism\_17 ADHD\_17 subabuse\_17 hearing\_17 vision\_17().

\*\*Version 3: All 27 conditions including vision and hearing problem, substance abuse for children 6-17 years

COUNT CondCnt27\_17 = allergies\_17 arthritis\_17 asthma\_17 blood\_17 BrainInj\_17 palsy\_17 CystFib\_17 diabetes\_17 DownSynd\_17 seizure\_17

genetic\_17 heart\_17 headache\_17 tourette\_17 anxiety\_17 depress\_17 behavior\_17 DevDelay\_17

intdisab\_17 speech\_17

learning\_17 OthrMent\_17 autism\_17 ADHD\_17 subabuse\_17(3).

IF hearing\_17 = 1 CondCnt27\_17 = CondCnt27\_17 + 1.

IF vision\_17 = 1 CondCnt27\_17 = CondCnt27\_17 + 1.

IF allergies\_17=99 and arthritis\_17=99 and asthma\_17=99 and blood\_17=99 and BrainInj\_17=99 and palsy\_17=99 and CystFib\_17=99 and diabetes\_17=99 and

DownSynd\_17=99 and seizure\_17=99 and genetic\_17=99 and heart\_17=99 and headache\_17=99 and tourette\_17>=95 and anxiety\_17>=95 and depress\_17>=95 and

behavior\_17>=95 and DevDelay\_17>=95 and intdisab\_17>=95 and speech\_17>=95 and learning\_17>=95 and OthrMent\_17=99 and autism\_17>=95 and ADHD\_17>=95 and

hearing\_17=99 and vision\_17=99 and subabuse\_17=99 CondCnt27\_17=99.

VARIABLE LABELS CondCnt27\_17 "Number of CURRENT health conditions reported from a list of 27".

COMPUTE Cond2more27\_17 = 999.

IF CondCnt27\_17 = 0 Cond2more27\_17 = 1.

IF CondCnt27\_17 = 1 Cond2more27\_17 = 2.

IF CondCnt27\_17 >= 2 Cond2more27\_17 = 3.

IF CondCnt27\_17=99 Cond2more27\_17 = 99.

VARIABLE LABELS Cond2more27\_17 "Indicator 1.9: Children with one or more current health conditions out of 27 conditions".

VALUE LABELS Cond2more27\_17

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\_17(99).

EXECUTE.

<b>Severity of current health conditions</b>	
<b>Description</b>	How severe are this child's conditions, if the child currently has conditions, from a list of 24 conditions?
<b>Survey Items Used</b>	<p>Survey instrument item number for children 0-5 years: A5a,b, A6-A28, A33; for children 6-11 years: A5d,e, A6-A29, A34; for children 12-17 years: A5e,f, A6-A29, A34</p> <p>Variable name in public use data file: ALLERGIES, ALLERGIES_CURR, ALLERGIES_DESC; ARTHRITIS; ARTHRITIS_CURR; ARTHRITIS_DESC; K2Q40A; K2Q40B; K2Q40C; BLOOD; BLOOD_CURR; BLOOD_DESC; K2Q46A; K2Q46B; K2Q46C; K2Q61A; K2Q61B; CERPALS_DESC; CYSTFIB; CYSTFIB_CURR; CYSTFIB_DESC; K2Q41A; K2Q41B; K2Q41C; DOWNSYN; DOWNSYN_CURR; DOWNSYN_DESC; K2Q42A; K2Q42B; K2Q42C; GENETIC; GENETIC_CURR; GENETIC_DESC; HEART; HEART_CURR; HEART_DESC; HEADACHE; HEADACHE_CURR; HEADACHE_DESC; K2Q38A; K2Q38B; K2Q38C; K2Q33A; K2Q33B; K2Q33C; K2Q32A; K2Q32B; K2Q32C; K2Q34A; K2Q34B; K2Q34C; SUBABUSE; SUBABUSE_CURR; SUBABUSE_DESC; K2Q36A; K2Q36B; K2Q36C; K2Q60A; K2Q60B; K2Q60C; K2Q37A; K2Q37B; K2Q37C; K2Q30A; K2Q30B; K2Q30C; ANYOTHER; ANYOTHER_CURR; ANYOTHER_DESC; K2Q35A; K2Q35B; K2Q35C; K2Q31A; K2Q31B; K2Q31C</p>
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who do not currently have condition; Children who currently have condition rated as mild; Children who currently have condition rated as moderate/severe
<b>Notes for Data-Users</b>	
All information about children's health conditions from the 2017 NSCH is based on parent recollection and is not independently verified.	
<b>Revisions</b>	
In 2017, these survey items did not change from the 2016 NSCH. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE AllerSev_17 =999. IF ALLERGIES_DESC = 1 AllerSev_17 = 2. IF ALLERGIES_DESC=2 or ALLERGIES_DESC=3 AllerSev_17 = 3. IF allergies_17 = 1 or allergies_17 = 2 AllerSev_17 = 1. IF ALLERGIES = 99 or ALLERGIES_CURR = 99 or ALLERGIES_DESC = 99 AllerSev_17 = 99. VARIABLE LABELS AllerSev_17 "Parent-rated severity of current allergies including food, drug, insect, or other". VALUE LABELS AllerSev_17 1 "Does not currently have condition" 2 "Current condition, rated mild" 3 "Current condition, rated moderate/severe" 99 "Missing". MISSING VALUES AllerSev_17(99). </pre>	

```

COMPUTE ArthrSev_17 = 999.
IF ARTHRITIS_DESC = 1 ArthrSev_17 = 2.
IF ARTHRITIS_DESC = 4 ArthrSev_17 = 3.
IF arthritis_17 = 1 or arthritis_17 = 2 ArthrSev_17 = 1.
IF ARTHRITIS = 99 or ARTHRITIS_CURR = 99 or ARTHRITIS_DESC = 99 ArthrSev_17 = 99.
VARIABLE LABELS ArthrSev_17 "Parent-rated severity of current arthritis".
VALUE LABELS ArthrSev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES ArthrSev_17(99).

```

```

COMPUTE AsthmSev_17 = 999.
IF K2Q40C = 1 AsthmSev_17 = 2.
IF K2Q40C =2 or K2Q40C=3 AsthmSev_17 = 3.
IF asthma_17 = 1 or asthma_17 = 2 AsthmSev_17 = 1.
IF K2Q40A =99 or K2Q40B = 99 or K2Q40C = 99 AsthmSev_17 = 99.
VARIABLE LABELS AsthmSev_17 "Parent-rated severity of current asthma".
VALUE LABELS AsthmSev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES AsthmSev_17(99).

```

```

COMPUTE BloodSev_17 = 999.
IF BLOOD_DESC = 1 BloodSev_17 = 2.
IF BLOOD_DESC =2 or BLOOD_DESC=3 BloodSev_17 = 3.
IF blood_17 = 1 or blood_17 = 2 BloodSev_17 = 1.
IF BLOOD =99 or BLOOD_CURR = 99 or BLOOD_DESC = 99 BloodSev_17 = 99.
VARIABLE LABELS BloodSev_17 "Parent-rated severity of current blood disorders (such as sickle cell disease, thalassemia, or hemophilia)".
VALUE LABELS BloodSev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES BloodSev_17(99).

```

```

COMPUTE BrainSev_17 = 999.
IF K2Q46C = 1 BrainSev_17 = 2.
IF K2Q46C =2 or K2Q46C=3 BrainSev_17 = 3.
IF BrainInj_17 = 1 or BrainInj_17 = 2 BrainSev_17 = 1.
IF K2Q46A = 99 or K2Q46B = 99 or K2Q46C = 99 BrainSev_17 = 99.
VARIABLE LABELS BrainSev_17 "Parent-rated severity of current brain injury, concussion, or head injury".
VALUE LABELS BrainSev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES BrainSev_17(99).

```

```

COMPUTE PalsySev_17 = 999.
IF CERPALS_DESC = 1 PalsySev_17 = 2.
IF CERPALS_DESC = 2 or CERPALS_DESC=3 PalsySev_17 = 3.

```

```

IF palsy_17 = 1 or palsy_17 = 2 PalsySev_17 = 1.
IF K2Q61A = 99 or K2Q61B = 99 or CERPALS_DESC = 99 PalsySev_17 = 99.
VARIABLE LABELS PalsySev_17 "Parent-rated severity of current cerebral palsy".
VALUE LABELS PalsySev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES PalsySev_17(99).

***CystSev_17 No data in PUF file due to small sample size

COMPUTE DiabetSev_17 = 999.
IF K2Q41C = 1 DiabetSev_17 = 2.
IF K2Q41C=2 or K2Q41C=3 DiabetSev_17 = 3.
IF diabetes_17 = 1 or diabetes_17 = 2 DiabetSev_17 = 1.
IF K2Q41A =99 or K2Q41B = 99 or K2Q41C = 99 DiabetSev_17 = 99.
VARIABLE LABELS DiabetSev_17 "Parent-rated severity of current diabetes".
VALUE LABELS DiabetSev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES DiabetSev_17(99).

COMPUTE DownSSev_17 = 999.
IF DOWNSYN_DESC = 1 DownSSev_17 = 2.
IF DOWNSYN_DESC = 4 DownSSev_17 = 3.
IF DownSynd_17= 1 or DownSynd_17 = 2 DownSSev_17 = 1.
IF DOWNSYN =99 or DOWNSYN_CURR = 99 or DOWNSYN_DESC = 99 DownSSev_17 = 99.
VARIABLE LABELS DownSSev_17 "Parent-rated severity of current Down Syndrome".
VALUE LABELS DownSSev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES DownSSev_17(99).

COMPUTE SeizSev_17 = 999.
IF K2Q42C = 1 SeizSev_17 = 2.
IF K2Q42C =2 or K2Q42C=3 SeizSev_17 = 3.
IF seizure_17= 1 or seizure_17 = 2 SeizSev_17 = 1.
IF K2Q42A = 99 or K2Q42B = 99 or K2Q42C = 99 SeizSev_17 = 99.
VARIABLE LABELS SeizSev_17 "Parent-rated severity of current epilepsy or seizure disorder".
VALUE LABELS SeizSev_17
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES SeizSev_17(99).

COMPUTE GenetSev_17 = 999.
IF GENETIC_DESC = 1 GenetSev_17 = 2.
IF GENETIC_DESC =2 or GENETIC_DESC=3 GenetSev_17 = 3.
IF genetic_17= 1 or genetic_17 = 2 GenetSev_17 = 1.
IF GENETIC = 99 or GENETIC_CURR = 99 or GENETIC_DESC = 99 GenetSev_17 = 99.
VARIABLE LABELS GenetSev_17 "Parent-rated severity of current genetic or inherited condition".

```

## VALUE LABELS GenetSev\_17

1 "Does not currently have condition"  
 2 "Current condition, rated mild"  
 3 "Current condition, rated moderate/severe"  
 99 "Missing".

MISSING VALUES GenetSev\_17(99).

COMPUTE HeartSev\_17 = 999.

IF HEART\_DESC = 1 HeartSev\_17 = 2.  
 IF HEART\_DESC = 2 or HEART\_DESC = 3 HeartSev\_17 = 3.  
 IF heart\_17 = 1 or heart\_17 = 2 HeartSev\_17 = 1.

IF HEART = 99 or HEART\_CURR = 99 or HEART\_DESC = 99 HeartSev\_17 = 99.

VARIABLE LABELS HeartSev\_17 "Parent-rated severity of current heart condition".

## VALUE LABELS HeartSev\_17

1 "Does not currently have condition"  
 2 "Current condition, rated mild"  
 3 "Current condition, rated moderate/severe"  
 99 "Missing".

MISSING VALUES HeartSev\_17(99).

COMPUTE HeadSev\_17 = 999.

IF HEADACHE\_DESC = 1 HeadSev\_17 = 2.  
 IF HEADACHE\_DESC = 2 or HEADACHE\_DESC = 3 HeadSev\_17 = 3.  
 IF headache\_17 = 1 or headache\_17 = 2 HeadSev\_17 = 1.

IF HEADACHE = 99 or HEADACHE\_CURR = 99 or HEADACHE\_DESC = 99 HeadSev\_17 = 99.

IF SC\_AGE\_YEARS < 3 HeadSev\_17 = 95.

VARIABLE LABELS HeadSev\_17 "Parent-rated severity of current frequent or severe headaches including migraine, age 3-17 years".

## VALUE LABELS HeadSev\_17

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\_17(95,99).

COMPUTE TouretSev\_17 = 999.

IF K2Q38C = 1 TouretSev\_17 = 2.

IF K2Q38C = 4 TouretSev\_17 = 3.

IF tourette\_17 = 1 or tourette\_17 = 2 TouretSev\_17 = 1.

IF K2Q38A = 99 or K2Q38B = 99 or K2Q38C = 99 TouretSev\_17 = 99.

IF SC\_AGE\_YEARS < 3 TouretSev\_17 = 95.

VARIABLE LABELS TouretSev\_17 "Parent-rated severity of current Tourette Syndrome, age 3-17 years".

## VALUE LABELS TouretSev\_17

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\_17(95,99).

COMPUTE AnxietSev\_17 = 999.

IF K2Q33C = 1 AnxietSev\_17 = 2.

IF K2Q33C = 2 or K2Q33C = 3 AnxietSev\_17 = 3.

IF anxiety\_17 = 1 or anxiety\_17 = 2 AnxietSev\_17 = 1.

IF K2Q33A = 99 or K2Q33B = 99 or K2Q33C = 99 AnxietSev\_17 = 99.

IF SC\_AGE\_YEARS < 3 AnxietSev\_17 = 95.

VARIABLE LABELS AnxietSev\_17 "Parent-rated severity of current anxiety, age 3-17 years".

VALUE LABELS AnxietSev\_17

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\_17(95,99).

COMPUTE DepresSev\_17 = 999.

IF K2Q32C = 1 DepresSev\_17 = 2.

IF K2Q32C = 2 or K2Q32C = 3 DepresSev\_17 = 3.

IF depress\_17= 1 or depress\_17 = 2 DepresSev\_17 = 1.

IF K2Q32A = 99 or K2Q32B = 99 or K2Q32C = 99 DepresSev\_17 = 99.

IF SC\_AGE\_YEARS < 3 DepresSev\_17 = 95.

VARIABLE LABELS DepresSev\_17 "Parent-rated severity of current depression, age 3-17 years".

VALUE LABELS DepresSev\_17

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\_17(95,99).

COMPUTE BehavSev\_17 = 999.

IF K2Q34C = 1 BehavSev\_17 = 2.

IF K2Q34C = 2 or K2Q34C = 3 BehavSev\_17 = 3.

IF behavior\_17= 1 or behavior\_17 = 2 BehavSev\_17 = 1.

IF K2Q34A = 99 or K2Q34B = 99 or K2Q34C = 99 BehavSev\_17 = 99.

IF SC\_AGE\_YEARS < 3 BehavSev\_17 = 95.

VARIABLE LABELS BehavSev\_17 "Parent-rated severity of current behavioral or conduct problems, age 3-17 years".

VALUE LABELS BehavSev\_17

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\_17(95,99).

COMPUTE SubAbSev\_17 = 999.

IF SUBABUSE\_DESC = 1 SubAbSev\_17 = 2.

IF SUBABUSE\_DESC = 2 or SUBABUSE\_DESC = 3 SubAbSev\_17 = 3.

IF subabuse\_17= 1 or subabuse\_17 = 2 SubAbSev\_17 = 1.

IF SUBABUSE = 99 or SUBABUSE\_CURR = 99 or SUBABUSE\_DESC = 99 SubAbSev\_17 = 99.

IF SC\_AGE\_YEARS < 6 SubAbSev\_17 = 95.

VARIABLE LABELS SubAbSev\_17 "Parent-rated severity of current substance abuse disorder, age 6-17 years".

VALUE LABELS SubAbSev\_17

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\_17(95,99).

COMPUTE DevDelSev\_17 = 999.

```

IF K2Q36C = 1 DevDelSev_17 = 2.
IF K2Q36C = 2 or K2Q36C = 3 DevDelSev_17 = 3.
IF devdelay_17= 1 or devdelay_17 = 2 DevDelSev_17 = 1.
IF K2Q36A = 99 or K2Q36B = 99 or K2Q36C = 99 DevDelSev_17 = 99.
IF SC_AGE_YEARS < 3 DevDelSev_17 = 95.
VARIABLE LABELS DevDelSev_17 "Parent-rated severity of child's developmental delay, age 3-17 years".
VALUE LABELS DevDelSev_17
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_17(95,99).

COMPUTE IntDisSev_17 = 999.
IF K2Q60C = 1 IntDisSev_17 = 2.
IF K2Q60C = 2 or K2Q60C=3 IntDisSev_17 = 3.
IF intdisab_17= 1 or intdisab_17 = 2 IntDisSev_17 = 1.
IF K2Q60A = 99 or K2Q60B = 99 or K2Q60C = 99 IntDisSev_17 = 99.
IF SC_AGE_YEARS < 3 IntDisSev_17 = 95.
VARIABLE LABELS IntDisSev_17 "Parent-rated severity of current intellectual disability or mental retardation, age 3-17 year".
VALUE LABELS IntDisSev_17
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_17(95,99).

COMPUTE SpeechSev_17 = 999.
IF K2Q37C = 1 SpeechSev_17 = 2.
IF K2Q37C = 2 or K2Q37C = 3 SpeechSev_17 = 3.
IF speech_17= 1 or speech_17 = 2 SpeechSev_17 = 1.
IF K2Q37A = 99 or K2Q37B = 99 or K2Q37C =99 SpeechSev_17 = 99.
IF SC_AGE_YEARS < 3 SpeechSev_17 = 95.
VARIABLE LABELS SpeechSev_17 "Parent-rated severity of current speech or other language disorder, age 3-17 years".
VALUE LABELS SpeechSev_17
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_17(95,99).

COMPUTE LearnSev_17 = 999.
IF K2Q30C = 1 LearnSev_17 = 2.
IF K2Q30C = 2 or K2Q30C= 3 LearnSev_17 = 3.
IF learning_17= 1 or learning_17 = 2 LearnSev_17 = 1.
IF K2Q30A = 99 or K2Q30B = 99 or K2Q30C = 99 LearnSev_17 = 99.
IF SC_AGE_YEARS < 3 LearnSev_17 = 95.
VARIABLE LABELS LearnSev_17 "Parent-rated severity of current learning disability, age 3-17 years".
VALUE LABELS LearnSev_17
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_17(95,99).

COMPUTE OthMHSev_17 = 999.
IF ANYOTHER_DESC = 1 OthMHSev_17 = 2.
IF ANYOTHER_DESC = 2 or ANYOTHER_DESC =3 OthMHSev_17 = 3.
IF OthrMent_17= 1 or OthrMent_17 = 2 OthMHSev_17 = 1.
IF ANYOTHER = 99 or ANYOTHER_CURR = 99 or ANYOTHER_DESC = 99 OthMHSev_17 = 99.
IF SC_AGE_YEARS < 3 OthMHSev_17 = 95.
VARIABLE LABELS OthMHSev_17 "Parent-rated severity of current other mental health condition, age 3-17 years".
VALUE LABELS OthMHSev_17
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_17(95,99).

COMPUTE AutismSev_17 = 999.
IF K2Q35C = 1 AutismSev_17 = 2.
IF K2Q35C = 2 or K2Q35C =3 AutismSev_17 = 3.
IF autism_17= 1 or autism_17 = 2 AutismSev_17 = 1.
IF K2Q35A = 99 or K2Q35B = 99 or K2Q35C = 99 AutismSev_17 = 99.
IF SC_AGE_YEARS < 3 AutismSev_17 = 95.
VARIABLE LABELS AutismSev_17 "Parent-rated severity of current autism, age 3-17 years".
VALUE LABELS AutismSev_17
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_17(95,99).

COMPUTE ADHDSev_17 = 999.
IF K2Q31C = 1 ADHDSev_17 = 2.
IF K2Q31C = 2 or K2Q31C= 3 ADHDSev_17 = 3.
IF ADHD_17= 1 or ADHD_17 = 2 ADHDSev_17 = 1.
IF K2Q31A = 99 or K2Q31B = 99 or K2Q31C = 99 ADHDSev_17 = 99.
IF SC_AGE_YEARS < 3 ADHDSev_17 = 95.
VARIABLE LABELS ADHDSev_17 "Parent-rated severity of current ADD/ADHD, age 3-17 years".
VALUE LABELS ADHDSev_17
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_17(95,99).

```

Indicator 1.10	One or more functional difficulties (Diff2more_17)
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 Variable in public use data file: BREATHING; SWALLOWING; STOMACH; PHYSICALPAIN; HANDS; COORDINATION; MEMORYCOND; WALKSTAIRS; DRESSING; ERRANDALONE; K2Q43B; BLINDNESS
Denominator	Children age 0-17 years
Numerator/Response Categories	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>	
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: (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), and (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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DiffBreath_17 = BREATHING. VARIABLE LABELS DiffBreath_17 "Children who have experienced breathing or other respiratory problems (such as wheezing or shortness of breath) in the past 12 months". VALUE LABELS DiffBreath_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES DiffBreath_17(99). FORMATS DiffBreath_17(f4.0). EXECUTE.  COMPUTE DiffSwall_17 = SWALLOWING. VARIABLE LABELS DiffSwall_17 "Children who have had difficulty with eating or swallowing in the past 12 months". VALUE LABELS DiffSwall_17 1 "Yes" 2 "No" </pre>	

```
99 "Missing".
MISSING VALUES DiffSwall_17(99).
FORMATS DiffSwall_17(f4.0).
EXECUTE.

COMPUTE DiffDigest_17 = STOMACH.
VARIABLE LABELS DiffDigest_17 "Children who have had digesting food, including stomach/intestinal problems, constipation, or diarrhea in the past 12 months".
VALUE LABELS DiffDigest_17
1 "Yes"
2 "No"
99 "Missing".
MISSING VALUES DiffDigest_17(99).
FORMATS DiffDigest_17(f4.0).
EXECUTE.

COMPUTE DiffPain_17 = PHYSICALPAIN.
VARIABLE LABELS DiffPain_17 "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_17
1 "Yes"
2 "No"
99 "Missing".
MISSING VALUES DiffPain_17(99).
FORMATS DiffPain_17(f4.0).
EXECUTE.

COMPUTE DiffHands_17 = HANDS.
IF SC_AGE_YEARS > 5 DiffHands_17 = 90.
VARIABLE LABELS DiffHands_17 "Children who have had difficulty using their hands in the past 12 months, age 0-5 years".
VALUE LABELS DiffHands_17
1 "Yes"
2 "No"
99 "Missing"
90 "Children age 6-17 years".
MISSING VALUES DiffPain_17(99).
FORMATS DiffPain_17(f4.0).
EXECUTE.

COMPUTE DiffCoor_17 = COORDINATION.
IF SC_AGE_YEARS > 5 DiffCoor_17 = 90.
VARIABLE LABELS DiffCoor_17 "Children who have had difficulty with coordination or moving around in the past 12 month, age 0-5 years".
VALUE LABELS DiffCoor_17
1 "Yes"
2 "No"
99 "Missing"
90 "Children age 6-17 years".
MISSING VALUES DiffPain_17(99).
FORMATS DiffPain_17(f4.0).
EXECUTE.

COMPUTE DiffMem_17 = MEMORYCOND.
IF SC_AGE_YEARS < 6 DiffMem_17 = 90.
VARIABLE LABELS DiffMem_17 "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_17
```

```
1 "Yes"
```

```
2 "No"
```

```
99 "Missing"
```

```
90 "Children age 0-5 years".
```

```
MISSING VALUES DiffMem_17(99).
```

```
FORMATS DiffMem_17(f4.0).
```

```
EXECUTE.
```

```
COMPUTE DiffWalk_17 = WALKSTAIRS.
```

```
IF SC_AGE_YEARS < 6 DiffWalk_17 = 90.
```

```
VARIABLE LABELS DiffWalk_17 "Children who have serious difficulty walking or climbing stairs, age 6-17 years".
```

```
VALUE LABELS DiffWalk_17
```

```
1 "Yes"
```

```
2 "No"
```

```
99 "Missing"
```

```
90 "Children age 0-5 years".
```

```
MISSING VALUES DiffPain_17(99).
```

```
FORMATS DiffPain_17(f4.0).
```

```
EXECUTE.
```

```
COMPUTE DiffDress_17 = DRESSING.
```

```
IF SC_AGE_YEARS < 6 DiffDress_17 = 90.
```

```
VARIABLE LABELS DiffDress_17 "Children who have difficulty dressing or bathing, age 6-17 years".
```

```
VALUE LABELS DiffDress_17
```

```
1 "Yes"
```

```
2 "No"
```

```
99 "Missing"
```

```
90 "Children age 0-5 years".
```

```
MISSING VALUES DiffDress_17(99).
```

```
FORMATS DiffDress_17(f4.0).
```

```
EXECUTE.
```

```
COMPUTE DiffErrand_17 = ERRANDALONE.
```

```
IF SC_AGE_YEARS < 12 DiffErrand_17 = 90.
```

```
VARIABLE LABELS DiffErrand_17 "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_17
```

```
1 "Yes"
```

```
2 "No"
```

```
99 "Missing"
```

```
90 "Children age 0-11 years".
```

```
MISSING VALUES DiffErrand_17(99).
```

```
FORMATS DiffErrand_17(f4.0).
```

```
EXECUTE.
```

```
COMPUTE hearing_17 = K2Q43B.
```

```
VARIABLE LABELS hearing_17 "Children who have deafness or problems with hearing".
```

```
VALUE LABELS hearing_17
```

```
1 "Yes"
```

```
2 "No"
```

```
99 "Missing".
```

```
MISSING VALUES hearing_17(99).
```

```
FORMATS hearing_17(f4.0).
```

```
EXECUTE.
```

```
COMPUTE vision_17 = BLINDNESS.  
VARIABLE LABELS vision_17 "Children who have blindness or problems with seeing, even when wearing  
glasses".  
VALUE LABELS vision_17  
1 "Yes"  
2 "No"  
99 "Missing".  
MISSING VALUES vision_17(99).  
FORMATS vision_17(f4.0).  
EXECUTE.
```

```
MISSING VALUES DiffBreath_17 DiffSwall_17 DiffDigest_17 DiffPain_17 DiffHands_17 DiffCoor_17  
DiffMem_17 DiffWalk_17 DiffDress_17 DiffErrand_17 hearing_17 vision_17().
```

```
COUNT cntdiff=DiffBreath_17 DiffSwall_17 DiffDigest_17 DiffPain_17 DiffHands_17 DiffCoor_17  
DiffMem_17 DiffWalk_17 DiffDress_17 DiffErrand_17 hearing_17 vision_17(1).  
IF DiffBreath_17=99 and DiffSwall_17=99 and DiffDigest_17=99 and DiffPain_17=99 and  
DiffHands_17>=90 and DiffCoor_17>=90 and DiffMem_17>=90 and  
DiffWalk_17>=90 and DiffDress_17>=90 and DiffErrand_17>=90 and hearing_17=99 and vision_17=99  
cntdiff=99.  
VARIABLE LABELS cntdiff "Number of functional difficulties reported from list of 12 different difficulties  
asked in the survey".
```

```
COMPUTE Diff2more_17=999.  
IF cntdiff = 0 Diff2more_17 = 0.  
IF cntdiff = 1 Diff2more_17 = 1.  
IF cntdiff >1 Diff2more_17 = 2.  
IF cntdiff =99 Diff2more_17 = 99.  
VARIABLE LABELS Diff2more_17 "Indicator 1.10: Children who experience two or more functional  
difficulties from a list of 12 difficulties".  
VALUE LABELS Diff2more_17  
0 "Did not have any difficulties"  
1 "One functional difficulty"  
2 "Two or more functional difficulties"  
99 "Missing to all".  
MISSING VALUES Diff2more_17(99).  
FORMATS Diff2more_17(f4.0).  
EXECUTE.
```

```
MISSING VALUES DiffBreath_17 DiffSwall_17 DiffDigest_17 DiffPain_17 hearing_17 vision_17(99).
```

```
MISSING VALUES DiffHands_17 DiffCoor_17 DiffMem_17 DiffWalk_17 DiffDress_17  
DiffErrand_17(90,99).
```

<b>Indicator 1.11</b>	<b>Children with special health care needs (CSHCN_17)</b>
<b>Description</b>	Does this child have special health care needs?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: Initial Screener Questionnaire: 6,7,8,9,10 Variable in public use data file: SC_K2Q10; SC_K2Q11; SC_K2Q12; SC_K2Q13; SC_K2Q14; SC_K2Q15; SC_K2Q16; SC_K2Q17; SC_K2Q18; SC_K2Q19; SC_K2Q20; SC_K2Q21; SC_K2Q22; SC_K2Q23
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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. All three parts of at least one screener question (or in the case of question 5, the two parts) must be answered "YES" in order for a child to meet CSHCN Screener criteria for having a special health care 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 <a href="#">Child and Adolescent Health Measurement Initiative's website</a>.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE rxmeds_17 = 2. IF ((SC_K2Q10 = 1) and (SC_K2Q11 = 1) and (SC_K2Q12 = 1)) rxmeds_17 = 1. VARIABLE LABELS rxmeds_17 "Children qualifying on the CSHCN Screener prescription medication criteria". VALUE LABELS rxmeds_17 1 "Meet screening criteria" 2 "Do not meet screening criteria". FORMATS rxmeds_17(f4.0). EXECUTE.  COMPUTE serve_17 = 2. If ((SC_K2Q13 = 1) and (SC_K2Q14 =1) and (SC_K2Q15 = 1)) serve_17 = 1. VARIABLE LABELS serve_17 "Children qualifying on the CSHCN Screener for elevated use of services criteria". VALUE LABELS serve_17 </pre>	

```

1 "Meet screening criteria"
2 "Do not meet screening criteria".
FORMATS serve_17(f4.0).
EXECUTE.

COMPUTE func_17 = 2.
IF ((SC_K2Q16 = 1) and (SC_K2Q17 = 1) and (SC_K2Q18 = 1)) func_17 = 1.
VARIABLE LABELS func_17 "Children qualifying on the CSHCN Screener functional limitations criteria".
VALUE LABELS func_17
1 "Meet screening criteria"
2 "Do not meet screening criteria".
EXECUTE.

COMPUTE therapy_17 = 2.
IF ((SC_K2Q19 = 1) and (SC_K2Q20 = 1) and (SC_K2Q21 = 1)) therapy_17 = 1.
VARIABLE LABELS therapy_17 "Children qualifying on the CSHCN Screener specialized therapy criteria".
VALUE LABELS therapy_17
1 "Meet screening criteria"
2 "Do not meet screening criteria".
FORMATS therapy_17(f4.0).
EXECUTE.

COMPUTE mhealth_17 = 2.
IF ((SC_K2Q22 = 1) and (SC_K2Q23 = 1)) mhealth_17 = 1.
VARIABLE LABELS mhealth_17 "Qualified on ongoing emotional, developmental or behavioral conditions".
VALUE LABELS mhealth_17
1 "Meet screening criteria"
2 "Do not meet screening criteria".
FORMATS mhealth_17(f4.0).
EXECUTE.

COUNT qualnum_17=rxmeds_17 serve_17 func_17 therapy_17 mhealth_17(1).
VARIABLE LABELS qualnum_17 "Number of qualifying CSHCN Screener answers".
VALUE LABELS qualnum_17
0 "No qualifying answers"
1 "One qualifying answer"
2 "Two qualifying answers"
3 "Three qualifying answers"
4 "Four qualifying answers"
5 "Five qualifying answers".
FORMATS qualnum_17 (f4.0).
EXECUTE.

COMPUTE CSHCN_17 = 999.
IF qualnum_17 = 0 CSHCN_17 = 2.
IF qualnum_17 > 0 CSHCN_17 = 1.
VARIABLE LABELS CSHCN_17 "Indicator 1.11: Children with special health care needs".
VALUE LABELS CSHCN_17
1 "CSHCN"
2 "Non-CSHCN".
FORMATS CSHCN_17 (f4.0).
EXECUTE.

RECODE qualnum_17
(4 thru 5=4) (else=copy) into qualnum4_17.
VARIABLE LABELS qualnum4_17 "Number of CSHCN Screener criteria CSHCN met".
VALUE LABELS qualnum4_17

```

```

1 "Qualified on 1 screener criteria"
2 "Qualified on 2 screener criteria"
3 "Qualified on 3 screener criteria"
4 "Qualified on 4 or 5 screener criteria"
0 "Non-CSHCN".
MISSING VALUES qualnum4_17(0).
EXECUTE.

```

\*\*\*Children with specific types of special health care needs based on CSHCN screening criteria

```

COMPUTE CSHCNtype_17 = 0.
IF ((func_17 = 1)) and ((serve_17 = 1) or (therapy_17 = 1) or (rxmeds_17 = 1) or (mhealth_17 = 1))
CSHCNtype_17 = 1.
IF ((func_17 = 1)) and ((serve_17 = 2) or (therapy_17 = 2) or (rxmeds_17 = 2) or (mhealth_17 = 2))
CSHCNtype_17 = 1.
IF (func_17 = 2) and ((rxmeds_17 = 1)) and ((serve_17 = 2) or (therapy_17 = 2) or (mhealth_17 = 2))
CSHCNtype_17 = 2.
IF (func_17 = 2) and ((rxmeds_17 = 2)) and ((serve_17 = 1) or (therapy_17 = 1) or (mhealth_17 = 1))
CSHCNtype_17 = 3.
IF (func_17 = 2) and ((rxmeds_17 = 1)) and ((serve_17 = 1) or (therapy_17 = 1) or (mhealth_17 = 1))
CSHCNtype_17 = 4.
VARIABLE LABELS CSHCNtype_17 "Children with specific types of special health care needs based on
CSHCN screening criteria".
VALUE LABELS CSHCNtype_17
0 "Non-CSHCN (no qualifying health needs on CSHCN Screener)"
1 "CSHCN - Functional limitations (alone or in combination with other qualifying needs)"
2 "CSHCN - Prescription medication only (no other qualifying needs on CSHCN Screener)"
3 "CSHCN – Above-routine use of services or use of specialized services (no other qualifying needs on
CSHCN Screener)"
4 "CSHCN - Prescription medication AND above-routine use of services".
FORMATS CSHCNtype_17 (f4.0).
EXECUTE.

```

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

```

RECODE CSHCNtype_17 (0=3) (1=1) (2=2) (3=1) (4=1) into CSHCNCComplex_17.
VARIABLE LABELS CSHCNCComplex_17 "CSHCN status and complexity of health care needs".
VALUE LABELS CSHCNCComplex_17
1 "CSHCN with more complex health needs"
2 "CSHCN with less complex health needs"
3 "Non-CSHCN".
FORMATS CSHCNCComplex_17(f4.0).

```

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

```

COMPUTE mhneeds_17 = 999.
IF (CSHCN_17 = 2) mhneeds_17 = 3.
IF (CSHCN_17 = 1 and mhealth_17 = 2) mhneeds_17 = 2.
IF (CSHCN_17 = 1 and mhealth_17 = 1) mhneeds_17 = 1.
VARIABLE LABELS mhneeds_17 "CSHCN with and without ongoing emotional, developmental and/or
behavioral health special needs ".
VALUE LABELS mhneeds_17
1 "CSHCN qualifying on mhealth (Q5 + any)"
2 "CSHCN not qualifying on mhealth (no Q5)"
3 "Non-CSHCN".
FORMATS mhneeds_17 (f4.0).

```

Indicator 1.12	<b>Effect of conditions on daily activities (DailyAct_17)</b>
<b>Description</b>	Does this child have health conditions that consistently and often greatly affect their daily activities during the past 12 months?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years who have any condition
<b>Numerator/Response Categories</b>	Do not have conditions; Daily activities never affected; Daily activities moderately affected some of the time; Daily activities consistently affected, often a great deal;
<b>Notes for Data-Users</b>	
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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DailyAct_17 = 999. IF HCABILITY = 1 DailyAct_17 = 0. IF HCABILITY = 2 DailyAct_17 = 1. IF HCABILITY = 3 or (HCEXTENT = 1 or HCEXTENT = 2) DailyAct_17 = 2. IF HCABILITY = 4 or HCABILITY=5 DailyAct_17 = 3. IF HCEXTENT = 3 DailyAct_17 = 3. IF HCABILITY=99 and HCEXTENT=99 DailyAct_17 = 99. VARIABLE LABELS DailyAct_17 "Indicator 1.12: Extent to which children's health conditions affect their daily activities, among children who have any condition". VALUE LABELS DailyAct_17 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_17(0,99). EXECUTE. </pre>	

***Emotional and Mental Health***

<b>Indicator 2.1</b>	<b>Bully others, age 6-17 years (bully_17)</b>
<b>Description</b>	How true is the following statement about this child: child bullies others, picks on them, or excludes them?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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 survey question asked, "How true are each of the following statements about this child: 'this child bullies others, picks on them, or excludes them?'". The numerator for this measure is defined by combining "definitely true" or "somewhat true" responses.	
This question was asked for children between 6 and 17 years of age.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a> .	
Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q71_R (1 thru 2=1) (3=2) (99=99) into bully_17. IF SC_AGE_YEARS &lt; 6 bully_17 = 90. VARIABLE LABELS bully_17 "Indicator 2.1: Children bully others, pick on them or exclude them, age 6-17 years". VALUE LABELS bully_17 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bully_17(90,99). EXECUTE. </pre>	

<b>Indicator 2.2</b>	<b>Bullied, age 6-17 years (bullied_17)</b>
<b>Description</b>	How true is the following statement about this child: child is bullied, picked on, or excluded by other children?
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: A3f; for children 12-17 years: A3f Variable name in public use data file: BULLIED
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	Children whose parents definitely or somewhat agree that their child is bullied, picked on or excluded by other children; Children whose parents do not agree that their child is bullied, picked on or excluded by other children
<b>Notes for Data-Users</b>	
<p>The survey question asked, "How true are each of the following statements about this child: 'this child is bullied, picked on, or excluded by other children?'" The numerator for this measure is defined by combining "definitely true" or "somewhat true" responses.</p> <p>This question was asked for children between 6 and 17 years of age.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a>.</p> <p>Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE BULLIED (1 thru 2=1) (3=2) (99=99) into bullied_17. IF SC_AGE_YEARS &lt; 6 bullied_17 = 90. VARIABLE LABELS bullied_17 "Indicator 2.2: Children who are bullied, picked on, or excluded by other children, age 6-17 years". VALUE LABELS bullied_17 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bullied_17(90,99). EXECUTE. </pre>	

<b>Indicator 2.3</b>	<b>Flourishing for young children, age 6 months-5 years (flrish0to5_17)</b>
<b>Description</b>	Is this young child flourishing?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 6 months-5 years
<b>Numerator/Response Categories</b>	Children who met 0-2 flourishing items; Children who met 3 flourishing items; Children who met all 4 flourishing items
<b>Notes for Data-Users</b>	
<p>For children age 0-5 years, four questions were asked that aimed to capture curiosity and discovery about learning, resilience, attachment with parent, and contentment with life. The survey question asked, "How true are each of the following statements about this child: (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.</p> <p>Questions were developed based on a review of positive health indicators by a Technical Expert Panel (TEP). 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.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a>.</p> <p>Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q70_R (1=1) (2 thru 3 =2) (99=99) into tender_17. IF SC AGE YEARS &gt; 5 tender_17 = 90. IF SC AGE LT6 = 1 tender_17 = 95. VARIABLE LABELS tender_17 "Children are affectionate and tender with parent, age 6 months-5 years". VALUE LABELS tender_17 1 "Definitely true" 2 "Somewhat true or Not true" 90 "Children age 6-17 years" 95 "Children age &lt;6 months" 99 "Missing". MISSING VALUES tender_17(90,95,99). EXECUTE.  RECODE K6Q73_R (1=1) (2 thru 3 =2) (99=99) into resil0to5_17. IF SC AGE YEARS &gt; 5 resil0to5_17 = 90. IF SC AGE LT6 = 1 resil0to5_17 = 95. VARIABLE LABELS resil0to5_17 "Children who bounce back quickly when things don't go his/her way, age </pre>	

```

6 months-5 years".
VALUE LABELS resil0to5_17
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_17(90,95,99).
EXECUTE.

RECODE K6Q71_R
(1=1) (2 thru 3 =2) (99=99) into curious0to5_17.
IF SC_AGE_YEARS > 5 curious0to5_17 = 90.
IF SC_AGE_LT6 = 1 curious0to5_17 = 95.
VARIABLE LABELS curious0to5_17 "Children who show interest and curiosity in learning new things, age 6 months-5 years".
VALUE LABELS curious0to5_17
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_17(90,99).
EXECUTE.

RECODE K6Q72_R
(1=1) (2 thru 3 =2) (99=99) into smile_17.
IF SC_AGE_YEARS > 5 smile_17 = 90.
IF SC_AGE_LT6 = 1 smile_17 = 95.
VARIABLE LABELS smile_17 "Children who smile and laugh a lot, age 6 months-5 years".
VALUE LABELS smile_17
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_17(90,99).
EXECUTE.

MISSING VALUES tender_17 resil0to5_17 curious0to5_17 smile_17().

COUNT flrsh0to5ct=tender_17 resil0to5_17 curious0to5_17 smile_17(1).
IF tender_17=99 and resil0to5_17=99 and curious0to5_17=99 and smile_17=99 flrsh0to5ct=99.
IF SC_AGE_LT6 = 1 flrsh0to5ct = 95.
IF SC_AGE_YEARS > 5 flrsh0to5ct=90.
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 2 = 1) (3=2) (4=3) (else=copy) into flrish0to5_17.
VARIABLE LABELS flrish0to5_17 "Indicator 2.3: Flourishing for young children, age 6 months-5 years".
VALUE LABELS flrish0to5_17
1 "Definitely true response to 0-2 items"
2 "Definitely true response to 3 items"

```

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

3 "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\_17(90,95,99).  
EXECUTE.

<b>Indicator 2.4</b>	<b>Flourishing for children and adolescents, age 6-17 years (flrish6to17_17)</b>
<b>Description</b>	Is this child or adolescent flourishing?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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>For children age 6-17 years, three questions were asked that aimed to capture curiosity and discovery about learning, resilience, and self-regulation. The survey question asked, "How true are each of the following statements about this child: (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> <p>Questions were developed based on a review of positive health indicators by a Technical Expert Panel (TEP). 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 interest in this concept.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a>.</p> <p>Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K6Q71_R (1=1) (2 thru 3 =2) (99=99) into curious6to17_17. IF SC_AGE_YEARS &lt; 6 curious6to17_17=90. VARIABLE LABELS curious6to17_17 "Children who show interest and curiosity in learning new things, age 6-17 years". VALUE LABELS curious6to17_17 1 "Definitely true" 2 "Somewhat true or Not true" 90 "Children age 0-5 years" 99 "Missing". MISSING VALUES curious6to17_17(90,99). EXECUTE.  RECODE K7Q84_R (1=1) (2 thru 3 =2) (99=99) into finishes_17. IF SC_AGE_YEARS &lt; 6 finishes_17=90. VARIABLE LABELS finishes_17 "Children who work to finish the tasks they start, age 6-17 years". VALUE LABELS finishes_17 1 "Definitely true" </pre>	

```

2 "Somewhat true or Not true"
90 "Children age 0-5 years"
99 "Missing".
MISSING VALUES finishes_17(90,99).
EXECUTE.

```

```

RECODE K7Q85_R
(9=99) (else=copy) into resil6to17_17.
IF SC_AGE_YEARS < 6 resil6to17_17=90.
VARIABLE LABELS resil6to17_17 "Children who stay calm and in control when faced with a challenge,
age 6-17 years".
VALUE LABELS resil6to17_17
1 "Definitely true"
2 "Somewhat true"
3 "Not true"
90 "Children age 0-5 years"
99 "Missing".
MISSING VALUES resil6to17_17(90,99).
EXECUTE.

```

MISSING VALUES finishes\_17 resil6to17\_17 curious6to17\_17().

```

COUNT flrsh6to17ct = finishes_17 resil6to17_17 curious6to17_17 (1).
IF finishes_17=99 and resil6to17_17=99 and curious6to17_17=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_17.
VARIABLE LABELS flrish6to17_17 "Indicator 2.4: Flourishing for children and adolescents, age 6-17
years".
VALUE LABELS flrish6to17_17
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_17 (90,99).
EXECUTE.

```

<b>Indicator 2.5</b>	<b>Argue too much, age 6-17 years (argue_17)</b>
<b>Description</b>	How well does this phrase describe this child: this child argues too much?
<b>Survey Items Used</b>	Survey instrument item number: for children 6-11 years: A3h; for children 12-17 years: A3h Variable in public use data file: K7Q70_R
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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 was asked for children between 6 and 17 years of age.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a> . Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE argue_17 = K7Q70_R. IF SC_AGE_YEARS &lt; 6 argue_17 = 90. VARIABLE LABELS argue_17 "Indicator 2.5: Children who argue too much, age 6-17 years". VALUE LABELS argue_17 1 "Definitely true" 2 "Somewhat true" 3 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES argue_17(90,99). FORMATS argue_17(f2.0). EXECUTE. </pre>	

<b>Indicator 2.6</b>	<b>Making and keeping friends, age 6-17 years (MakeFriend_17)</b>
<b>Description</b>	Compared to other children his or her age, how much difficulty does this child have making or keeping friends?
<b>Survey Items Used</b>	Survey instrument item number: for children 6-11 years: G7; for children 12-17 years: G7 Variable in public use data file: MAKEFRIEND
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	Children who have no difficulty making or keeping friends; Children who have a little difficulty; Children who have a lot of difficulty making or keeping friends
<b>Notes for Data-Users</b>	
This question was asked among children between 3 and 17 years of age. However, the denominator of this measure is children ages 6-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MakeFriend_17 = MAKEFRIEND. IF SC_AGE_YEARS &lt; 6 MakeFriend_17 = 90. VARIABLE LABELS MakeFriend_17 "Indicator 2.6: Difficulties making and keeping friends, age 6-17 years". VALUE LABELS MakeFriend_17 1 "No difficulty" 2 "A little difficulty" 3 "A lot of difficulty" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES MakeFriend_17(90,99). FORMATS MakeFriend_17(f2.0). EXECUTE. </pre>	

<b>Indicator 2.7</b>	<b>Prevalence of ADD/ADHD, age 3-17 years (ADHDind_17)</b>
<b>Description</b>	Does this child currently have Attention Deficit Disorder (ADD) or Attention-Deficit/Hyperactivity Disorder (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 in public use data file: K2Q31A; K2Q31B
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Response Categories</b>	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 health conditions from the NSCH is based on parent recollection and is not independently verified. Further, a response of "Yes" only 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>This question was 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDind_17= 999. IF K2Q31A = 2 ADHDind_17= 1. IF K2Q31A = 1 and K2Q31B = 2 ADHDind_17= 2. IF K2Q31A = 1 and K2Q31B = 1 ADHDind_17= 3. IF K2Q31A=99 or K2Q31B=99 ADHDind_17= 99. IF SC_AGE_YEARS &lt; 3 ADHDind_17= 95. VARIABLE LABELS ADHDind_17 "Indicator 2.7: Children who currently have ADD or ADHD, age 3-17 years". VALUE LABELS ADHDind_17 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_17(95,99). FORMATS ADHDind_17(f2.0). EXECUTE. </pre>	

<b>Indicator 2.7a</b>	<b>Parent-rated severity of ADD/ADHD, age 3-17 years (ADHDSevInd_17)</b>
<b>Description</b>	Would you describe this child's current Attention Deficit Disorder (ADD) or Attention-Deficit/Hyperactivity Disorder (ADHD) as mild, moderate or severe?
<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 in public use data file: K2Q31A; K2Q31B; K2Q31C
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Response Categories</b>	Children who do not currently have ADD/ADHD; Children with mild current ADD/ADHD; Children with moderate or severe current ADD/ADHD
<b>Notes for Data-Users</b>	
All information about children's health conditions from the NSCH is based on parent report. This question was asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDSevInd_17 = 999. IF K2Q31C = 1 ADHDSevInd_17 = 2. IF K2Q31C = 2 or K2Q31C= 3 ADHDSevInd_17 = 3. IF ADHD_17= 1 or ADHD_17 = 2 ADHDSevInd_17 = 1. IF K2Q31A = 99 or K2Q31B = 99 or K2Q31C = 99 ADHDSevInd_17 = 99. IF SC_AGE_YEARS &lt; 3 ADHDSevInd_17 = 95. VARIABLE LABELS ADHDSevInd_17 "Indicator 2.7a: Parent-rated severity of current ADD/ADHD, age 3-17 years". VALUE LABELS ADHDSevInd_17 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_17(95,99). FORMATS ADHDSevInd_17(f2.0). EXECUTE. </pre>	

Indicator 2.7b	<b>Medication for ADD/ADHD, age 3-17 years (ADHDMed_17)</b>
<b>Description</b>	Is this child currently taking medication for ADD or ADHD?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A33,A34; for children 6-11 years: A34,A35; for children 12-17 years: A34,A35 Variable name in public use data file: K2Q31D; K2Q31A; K2Q31B
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Responsible Categories</b>	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 health 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>All information about children's health conditions from the NSCH is based on parent report. This question was 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDMed_17 = 999. IF K2Q31D = 1 ADHDMed_17 = 1. IF K2Q31D = 2 ADHDMed_17 = 2. IF K2Q31A=99 or K2Q31B=99 or K2Q31D=99 ADHDMed_17 = 99. IF K2Q31A = 2 or (K2Q31A = 1 and K2Q31B = 2) ADHDMed_17 = 3. IF SC_AGE_YEARS &lt; 3 ADHDMed_17 = 95. VARIABLE LABELS ADHDMed_17 "Indicator 2.7b: Children currently taking medication for ADD or ADHD, age 3-17 years". VALUE LABELS ADHDMed_17 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_17(95,99). EXECUTE. </pre>	

<b>Indicator 2.7c</b>	<b>Received behavioral treatment for ADD/ADHD, age 3-17 years (ADHDBehTreat_17)</b>
<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: A33,A35; for children 6-11 years: A34,A36; for children 12-17 years: A34,A36 Variable in public use data file: ADDTREAT; K2Q31A; K2Q31B
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Response Categories</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 health conditions from the NSCH is based on parent report. This question was asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHDBehTreat_17 = 999. IF ADDTREAT = 1 ADHDBehTreat_17 = 1. IF ADDTREAT = 2 ADHDBehTreat_17 = 2. IF K2Q31A=99 or K2Q31B=99 or ADDTREAT=99 ADHDBehTreat_17 = 99. IF K2Q31A = 2 or (K2Q31A = 1 and K2Q31B = 2) ADHDBehTreat_17 = 3. IF SC_AGE_YEARS &lt; 3 ADHDBehTreat_17 = 95. VARIABLE LABELS ADHDBehTreat_17 "Indicator 2.7c: Received behavioral treatment for ADD/ADHD, age 3-17 years". VALUE LABELS ADHDBehTreat_17 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_17(95,99). EXECUTE. </pre>	

<b>Indicator 2.8</b>	<b>Prevalence of autism/ASD, age 3-17 years (AutismInd_17)</b>
<b>Description</b>	Does this child currently have Autism or Autism Spectrum Disorder (ASD) including Asperger's Disorder, Pervasive Developmental 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 in public use data file: K2Q35A; K2Q35B
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Response Categories</b>	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>	
<p>All information about children's health conditions from the NSCH is based on parent recollection and is not independently verified. Further, a response of "Yes" only 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>This question was 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE AutismInd_17 = 999. IF K2Q35A = 2 AutismInd_17 = 1. IF K2Q35A = 1 and K2Q35B = 2 AutismInd_17 = 2. IF K2Q35A = 1 and K2Q35B = 1 AutismInd_17 = 3. IF K2Q35A=99 or K2Q35B=99 AutismInd_17 = 99. IF SC_AGE_YEARS &lt; 3 AutismInd_17 = 95. VARIABLE LABELS AutismInd_17 "Indicator 2.8: Children who currently have autism or Autism Spectrum Disorder, age 3-17 years". VALUE LABELS AutismInd_17 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_17(95,99). FORMATS AutismInd_17(f2.0). EXECUTE. </pre>	

<b>Indicator 2.8a</b>	<b>Parent-rated severity of autism/ASD, age 3-17 years (ASDSelInd_17)</b>
<b>Description</b>	Would you describe this child's current Autism or Autism Spectrum Disorder as mild, moderate or severe?
<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 in public use data file: K2Q35A; K2Q35B; K2Q35C
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Response Categories</b>	Children who do not currently have autism/ASD; Children who currently have mild autism/ASD; Children who currently have moderate/severe autism/ASD
<b>Notes for Data-Users</b>	
All information about children's health conditions from the NSCH is based on parent recollection and is not independently verified. This question was asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ASDSelInd_17 = 999. IF K2Q35C = 1 ASDSelInd_17 = 2. IF K2Q35C = 2 or K2Q35C =3 ASDSelInd_17 = 3. IF autism_17= 1 or autism_17 = 2 ASDSelInd_17 = 1. IF K2Q35A = 99 or K2Q35B = 99 or K2Q35C = 99 ASDSelInd_17 = 99. IF SC_AGE_YEARS &lt; 3 ASDSelInd_17 = 95. VARIABLE LABELS ASDSelInd_17 "Indicator 2.8a: Parent-rated severity of current autism, age 3-17 years". VALUE LABELS ASDSelInd_17 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 ASDSelInd_17(95,99). FORMATS ASDSelInd_17(f2.0). EXECUTE. </pre>	

<b>Indicator 2.8b</b>	<b>Medication for autism/ASD, age 3-17 years (ASDMed_17)</b>
<b>Description</b>	Is this child currently taking medication for Autism, ASD, Asperger's Disorder or PDD?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A28,A31; for children 6-11 years: A29,A32; for children 12-17 years: A29,A32 Variables in public use data file: AUTISMMED; K2Q35A; K2Q35B
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Response Categories</b>	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
<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 ASD; whether the child currently has ASD; and whether the child is currently taking medication for ASD. The second and third questions were asked only if the response to the previous question was "Yes".</p> <p>All information about children's health conditions from the NSCH is based on parent report. 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ASDMed_17= 999. IF AUTISMMED = 1 ASDMed_17 = 1. IF AUTISMMED = 2 ASDMed_17 = 2. IF K2Q35B = 99 or K2Q35A = 99 or AUTISMMED = 99 ASDMed_17 = 99. IF K2Q35A = 2 or (K2Q35A = 1 and K2Q35B = 2) ASDMed_17 = 3. IF SC_AGE_YEARS &lt; 3 ASDMed_17 = 95. VARIABLE LABELS ASDMed_17 "Indicator 2.8b: Children currently taking medication for autism/ASD, age 3-17 years". VALUE LABELS ASDMed_17 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_17(95,99). EXECUTE. </pre>	

<b>Indicator 2.8c</b>	<b>Received behavioral treatment for autism/ASD, age 3-17 years (ASDBehTreat_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: A28,A32; for children 6-11 years: A29,A33; for children 12-17 years: A29,A33 Variables in public use data file: AUTISMTRAT'; K2Q35A; K2Q35B
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Response Categories</b>	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>All information about children's health conditions from the NSCH is based on parent report. 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ASDBehTreat_17 = 999. IF AUTISMTRAT = 1 ASDBehTreat_17 = 1. IF AUTISMTRAT = 2 ASDBehTreat_17 = 2. IF K2Q35B = 99 or K2Q35A = 99 or AUTISMTRAT = 99 ASDBehTreat_17 = 99. IF K2Q35A = 2 or (K2Q35A = 1 and K2Q35B = 2) ASDBehTreat_17 = 3. IF SC_AGE_YEARS &lt; 3 ASDBehTreat_17 = 95. VARIABLE LABELS ASDBehTreat_17 "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_17 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_17(95,99). EXECUTE. </pre>	

<b>Indicator 2.8d</b>	<b>Age of diagnosis for autism/ASD, age 3-17 years (ASDAge_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 3-17 years who have been diagnosed with ASD
<b>Numerator/Response Categories</b>	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 health conditions from the NSCH is based on parent report. These questions were asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q35A_1_YEARS (0 thru 2 =1) (3 thru 5=2) (6 thru 17=3) (99=999) (else=copy) into ASDAge_17. IF K2Q35A = 2 ASDAge_17 = 998. IF SC_AGE_YEARS &lt; 3 ASDAge_17 = 995. VARIABLE LABELS ASDAge_17 "Indicator 2.8d: Age of diagnosis for autism/ASD, age 3-17 years". VALUE LABELS ASDAge_17 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_17(995,998,999). EXECUTE. </pre>	

<b>Indicator 2.8e</b>	Type of doctor or health care provider to first tell that child had autism/ASD, age 3-17 years (ASDDrType_17)
<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 autism/ASD
<b>Numerator/Response Categories</b>	Primary care provider; Specialist; Psychologist/counselor (school or non-school); Psychiatrist; Other doctor or health care provider
<b>Notes for Data-Users</b>	
All information about children's health conditions from the NSCH is based on parent report. This question was asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
RECODE K2Q35D (1=1) (2=2) (3 thru 4=3) (5=4) (6=5) (7=99) (else=copy) into ASDDrType_17. IF K2Q35D=99 ASDDrType_17 = 99. IF K2Q35D = 7 ASDDrType_17 = 99. IF K2Q35A = 2 ASDDrType_17 = 96. IF SC_AGE_YEARS < 3 ASDDrType_17 = 95. VARIABLE LABELS ASDDrType_17 "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_17 1 "Primary Care Provider" 2 "Specialist" 3 "Psychologist/Counselor (school or non-school)" 4 "Psychiatrist" 5 "Other health care provider" 96 "Never told that child has ASD" 99 "Don't Know/Missing" 95 "Children age 0-2 year". MISSING VALUES ASDDrType_17(95,96,99). EXECUTE.	

<b>Indicator 2.9</b>	<b>Medication for ADD/ADHD, ASD, or difficulties with emotions, concentration, or behavior, age 3-17 years (MedEmotion_17)</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/Response Categories</b>	Children currently taking medication for emotions/concentration/behavior (including ASD and ADD/ADHD); Children who are not taking medication for emotions/concentration/behavior
<b>Notes for Data-Users</b>	
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 have taken medication for other emotional/behavioral/concentration issues during the past 12 months. A "Yes" to any of these questions qualifies.	
All information about children's health conditions from the NSCH is based on parent report. This question was asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to previous changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MedEmotion_17 = 999. IF K4Q23 = 99 MedEmotion_17 = 99. IF K4Q23 = 2 MedEmotion_17 = 2. IF K4Q23 = 1 MedEmotion_17 = 1. IF K2Q31D = 1 MedEmotion_17 = 1. IF AUTISMMED = 1 MedEmotion_17 = 1. IF SC_AGE_YEARS &lt; 3 MedEmotion_17 = 90. VARIABLE LABELS MedEmotion_17 "Indicator 2.9: Children who are taking medication for autism/ASD, ADHD, emotions, concentration or behavior, age 3-17 years". VALUE LABELS MedEmotion_17 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-2 years". MISSING VALUES MedEmotion_17(90,99). FORMATS MedEmotion_17(f2.0). EXECUTE. </pre>	

## Health Insurance Coverage

Indicator 3.1	Current health insurance status (CurreIns_17)
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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children currently insured, Children currently not insured
<b>Notes for Data-Users</b>	
This measure was derived using the constructed CURRINS variable provided in the 2017 NSCH public use data file. The CURRINS variable was constructed from three questions: whether the child was covered by any kind of health insurance during the past 12 months (K3Q04_R), whether the child was covered with any health insurance at the time of the survey (CURRCOV), 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 though the response indicates that the child is currently insured.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE CurreIns_17 = CURRINS. VARIABLE LABELS CurreIns_17 "Indicator 3.1: Health insurance status at time of survey". VALUE LABELS CurreIns_17 1 "Insured at time of survey (does not include Indian Health Service or a religious health share)" 2 "Not insured or only insured through Indian Health Service or a religious health share at time of survey" 99 "Missing". MISSING VALUES CurreIns_17(99). FORMATS CurreIns_17(f4.0). EXECUTE. </pre>	

Indicator 3.2	<b>Consistency of insurance coverage (InsGap_17)</b>
<b>Description</b>	Did this child have consistent health insurance coverage during the past 12 months?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: E1,E3,E4; for children 6-11 years: E1,E3,E4; for children 12-17 years: E1,E3,E4 Variable in public use data file: CURRINS; INSGAP
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 is derived using the constructed variable INSGAP variable provided in the 2017 NSCH public use data file. The INSGAP variable was constructed from three questions: whether the child was covered by any kind of health insurance during the past 12 months (K3Q04_R), whether the child was covered with any health insurance at the time of the survey (CURRCOV), 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE InsGap_17 = 999. IF INSGAP = 1 InsGap_17 = 1. IF INSGAP = 2 or INSGAP = 3 InsGap_17 = 2. IF CURRINS = 2 InsGap_17 = 2. IF INSGAP = 99 InsGap_17 = 99. VARIABLE LABELS InsGap_17 "Indicator 3.2: Children who had consistent health insurance coverage during the past 12 months". VALUE LABELS InsGap_17 1 "Insured continuously all year" 2 "Child had a gap in coverage" 99 "Missing". MISSING VALUES InsGap_17(99). FORMATS InsGap_17(f4.0). EXECUTE. </pre>	

Indicator 3.3	Type of health insurance (InsType_17)
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 (derived)
Denominator	Children age 0-17 years
Numerator/Response Categories	Children with only public health insurance; Children with only private health insurance; Children with public and private health insurance; Children with no current insurance coverage
<b>Notes for Data-Users</b>	
This measure was derived using the constructed INSTYPE variable provided in the 2017 NSCH public use data file. The INSTYPE variable was constructed 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." Private insurance is defined as "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. 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".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. In 2017, the category "Insured, type unknown" was dropped from INSTYPE derived variable. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE INSTYPE (5=4) (else=copy) into instype_17. VARIABLE LABELS instype_17 "Indicator 3.3: Type of current health insurance". VALUE LABELS instype_17 1 "Public only (government assistance)" 2 "Private only (privately purchased, including through ACA marketplace, through employer, or TRICARE)" 3 "Public and private" 4 "Uninsured" 99 "Missing". MISSING VALUES instype_17(99). FORMATS instype_17(f4.0). EXECUTE. </pre>	

<b>Indicator 3.4</b>	<b>Adequacy of current insurance (InsAdeq_17)</b>
<b>Description</b>	Is this child's current insurance coverage usually/always adequate to meet his/her needs?
<b>Survey Items Used</b>	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 Variable in public use data file: CURREINS; K3Q20; K3Q22; K3Q21B; HOWMUCH
<b>Denominator</b>	Children age 0-17 years who are currently insured
<b>Numerator/Response Categories</b>	Child's current insurance is adequate for child's needs; Child's current insurance is NOT adequate for child's needs
<b>Notes for Data-Users</b>	
Five questions were used to create this measure: current health insurance coverage (CURREINS); 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K3Q20 (1=1) (2=2) (3 thru 4=3) (99=99) into benefits_17. IF CURREINS = 99 benefits_17=99. IF CURREINS = 2 benefits_17=95. VARIABLE LABELS benefits_17 "Current insurance coverage meets child's health needs". VALUE LABELS benefits_17 1 "Always" 2 "Usually" 3 "Sometimes or never" 99 "Missing" 95 "Uninsured". MISSING VALUES benefits_17 (95,99). FORMATS benefits_17 (f3.0). EXECUTE.  RECODE K3Q22 (1=1) (2=2) (3 thru 4=3) (99=99) into allows_17. IF CURREINS = 99 allows_17 = 99. IF CURREINS = 2 allows_17=95. VARIABLE LABELS allows_17 "Current insurance coverage allows child to see needed provider". VALUE LABELS allows_17 1 "Always" </pre>	

```

2 "Usually"
3 "Sometimes or never"
99 "Missing"
95 "Uninsured".
MISSING VALUES allows_17 (95,99).
FORMATS allows_17 (f3.0).
EXECUTE.

COMPUTE expense_17 = 999.
IF K3Q21B = 1 expense_17 = 1.
IF K3Q21B = 2 expense_17 = 2.
IF (K3Q21B = 3 or K3Q21B = 4) expense_17 = 3.
IF K3Q21B = 99 expense_17=99.
IF HOWMUCH = 1 expense_17 = 0.
IF CURRINS = 99 expense_17 = 99.
IF CURRINS = 2 expense_17=95.
VARIABLE LABELS expense_17 "Current insurance coverage has reasonable out of pocket costs".
VALUE LABELS expense_17
0 'No out of pocket expenses'
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing"
95 "Uninsured".
MISSING VALUES expense_17 (95,99).
FORMATS expense_17 (f3.0).

MISSING VALUES benefits_17 allows_17 expense_17 ().

COMPUTE InsAdeq_17=999.
IF (benefits_17 = 1 or benefits_17 = 2 or benefits_17 = 99) and (allows_17 = 1 or allows_17 = 2 or
allows_17 = 99) and (expense_17 = 1 or expense_17 =2 or expense_17 = 99) InsAdeq_17 = 1.
IF expense_17 = 0 InsAdeq_17 = 1.
IF benefits_17 = 3 or allows_17 = 3 or expense_17 = 3 InsAdeq_17 = 2.
IF benefits_17 = 99 and allows_17 = 99 and expense_17 = 99 InsAdeq_17 = 99.
IF CURRINS = 2 InsAdeq_17 = 95.
VARIABLE LABELS InsAdeq_17 "Indicator 3.4: Adequacy of current Insurance coverage".
VALUE LABELS InsAdeq_17
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_17(95,99).
FORMATS InsAdeq_17(f4.0).
EXECUTE.

```

<b>Indicator 3.4a</b>	<b>Adequate and continuous insurance (Insurance_17)</b>
<b>Description</b>	Was this child adequately and continuously insured; that is, is their current insurance adequate and were they insured for the entire past 12 months?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: E1, E3, E5, E6, F1, F2; for children 6-11 years: E1, E3, E5, E6, F1, F2; for children 12-17 years: E1, E3, E5, E6, F1, F2 Variables in public use data file: CURREINS; INSGAP; K3Q20; K3Q21B; K3Q22; HOWMUCH
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Responsible Categories</b>	Children with adequate current insurance for their needs and insured all of past 12 months; Children with current insurance NOT adequate for their needs and/or had a gap in insurance coverage during the past 12 months
<b>Notes for Data-Users</b>	
To qualify on this measure the child must meet the following two criteria: 1) having continuous insurance in the past 12 months, and 2) having current insurance which is adequate for the child's healthcare needs. The child's current insurance was considered adequate when the following criteria were met: (a) the child currently has health insurance coverage, AND (b) benefits usually or always meet child's needs, AND (c) the insurance usually or always allows the child to see needed providers, AND (d) the insurance either has no out-of-pocket expenses or out-of-pocket expenses are usually or always reasonable.	
The measure is only considered missing if both items are missing. Therefore, children with a valid, positive response to either portion of the measure and missing to the other portion are categorized as having adequate and continuous insurance.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE insurance_17 = 1. IF (InsGap_17 = 1 or InsGap_17 = 99) and (InsAdeq_17 = 1 or InsAdeq_17 =99) insurance_17 = 1. IF CurreIns_17 = 2 or InsGap_17 = 2 or InsAdeq_17 = 2 insurance_17 = 2. IF InsGap_17 = 99 and InsAdeq_17 = 99 insurance_17 = 99. VARIABLE LABELS insurance_17 "Indicator 3.4a: Children who are adequately and continuously insured; that is, is their current insurance adequate and were they insured for the entire past 12 months". VALUE LABELS insurance_17 1 "Current insurance is adequate and continuously insured in past year" 2 "Current insurance is inadequate and/or had gap in insurance coverage in past year" 99 "Missing to both". MISSING VALUES insurance_17 () . FORMATS insurance_17 (f2.0). </pre>	

Indicator 3.5	Insurance coverage for mental health care, age 3-17 years (InsMentH_17)
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 are currently insured and used mental or behavioral health care
Numerator/Response Categories	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 or 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. This question was asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.
Revisions	This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.
SPSS Syntax and Annotation	<pre> RECODE MENBEVCOV (1=1) (2=2) (3 thru 4=3) (5=96) (99=99) into InsMentH_17. IF CURRINS = 2 InsMentH_17 = 96. IF CURRINS = 99 InsMentH_17 = 99. IF SC_AGE_YEARS &lt; 3 InsMentH_17 = 95. VARIABLE LABELS InsMentH_17 "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_17 1 "Always" 2 "Usually" 3 "Sometimes or 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_17(95,96,99). FORMATS InsMentH_17(f4.0). EXECUTE. </pre>

Indicator 3.6	Out-of-pocket cost for medical and health care (OutOfPckt_17)
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/Responsible Categories	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>	
This measure was derived from a single item. 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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE HOWMUCH (1 thru 2=1) (3=2) (4=3) (5=4) (6=5) (99=99) into OutOfPckt_17. VARIABLE LABELS OutOfPckt_17 "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_17 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_17(99). FORMATS OutOfPckt_17(f4.0). EXECUTE. </pre>	

**Health Care Access and Quality**

<b>Indicator 4.1</b>	<b>Medical care visit (MedCare_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MedCare_17 = S4Q01. VARIABLE LABELS MedCare_17 "Indicator 4.1: Children who received any type of medical care during the past 12 months". VALUE LABELS MedCare_17 1 "Received medical care" 2 "Did not receive any medical care" 99 "Missing". MISSING VALUES MedCare_17(99). FORMATS MedCare_17(f2.0). EXECUTE. </pre>	

<b>Indicator 4.1a</b>	<b>Preventive medical visit (PrevMed_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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
<b>Notes for Data-Users</b>	
This question was asked among children who had a health care visit in the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrevMed_17 = 999. IF K4Q20R=2 or K4Q20R = 3 PrevMed_17 = 1. IF K4Q20R = 1 PrevMed_17 = 2. IF S4Q01 = 2 PrevMed_17 = 2. IF K4Q20R=99 PrevMed_17 = 99. IF S4Q01=99 PrevMed_17 = 99. VARIABLE LABELS PrevMed_17 "Indicator 4.1a: Children who had one or more preventive medical care visits during past 12 months". VALUE LABELS PrevMed_17 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing". MISSING VALUES PrevMed_17(99). FORMATS PrevMed_17(f2.0). EXECUTE. </pre>	

Indicator 4.1b	Time with doctor during the preventive medical visit (VisitTime_17)
<b>Description</b>	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?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years who had a preventive medical visit in the past 12 months
<b>Numerator/Response Categories</b>	Children who had preventive visits and doctor examined them less than 10 minutes; Children who had preventive visits and doctor examined them 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 asked among children who had a health care visit in the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE VisitTime_17 = DOCROOM. IF PrevMed_17 = 2 VisitTime_17 = 95. IF PrevMed_17 = 99 VisitTime_17 = 99. VARIABLE LABELS VisitTime_17 "Indicator 4.1b: Time with doctor during last preventive check-up". VALUE LABELS VisitTime_17 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_17(95,99). EXECUTE. </pre>	

<b>Indicator 4.1c</b>	<b>Doctor spoke with child privately, age 12-17 years (PrivateTalk_17)</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; SC_AGE_YEARS
<b>Denominator</b>	Children age 12-17 years who had a preventive medical visit in the past 12 months
<b>Numerator/Response Categories</b>	Children who had preventive visits and doctor spoke with them privately without an adult in the room; Children who had preventive visits and doctor did not 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 health care visit in the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrivateTalk_17 = DOCPRIVATE. IF PrevMed_17 = 2 PrivateTalk_17 = 95. IF PrevMed_17 = 99 PrivateTalk_17 = 99. IF SC_AGE_YEARS &lt; 12 PrivateTalk_17 = 90. VARIABLE LABELS PrivateTalk_17 "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_17 1 "Yes" 2 "No" 99 "Missing" 95 "No preventive care visits in past 12 months" 90 "Children age 0-11 years". MISSING VALUES PrivateTalk_17(90,95,99). FORMATS PrivateTalk_17(f2.0). EXECUTE. </pre>	

<b>Indicator 4.2</b>	<b>Dentist visit, age 1-17 years (DentCare_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 1-17 years
<b>Numerator/Response Categories</b>	Children who saw a dentist in the past 12 months; Children who saw 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DentCare_17 = K4Q30_R. IF SC_AGE_YEARS &lt; 1 DentCare_17 = 95. VARIABLE LABELS DentCare_17 "Indicator 4.2: Children who received any type of dental care during the past 12 months, age 1-17 years". VALUE LABELS DentCare_17 1 "Saw a dentist" 2 "Saw other oral health care provider" 3 "No dental or oral health care visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES DentCare_17(95,99). FORMATS DentCare_17(f2.0). EXECUTE. </pre>	

Indicator 4.2a	Preventive dental care, age 1-17 years (PrevDent_17)
<b>Description</b>	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?
<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 in public use file: K4Q30_R; DENTISTVISIT
<b>Denominator</b>	Children age 1-17 years
<b>Numerator/Response Categories</b>	Children who had one or more preventive dental visits in the past 12 months; Children who did not have preventive dental visits during 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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrevDent_17 = 999. IF DENTISTVISIT = 2 or DENTISTVISIT = 3 PrevDent_17 = 1. IF DENTISTVISIT = 1 PrevDent_17 = 2. IF DENTISTVISIT = 99 PrevDent_17 = 99. IF K4Q30_R = 3 PrevDent_17 = 2. IF K4Q30_R = 99 PrevDent_17 = 99. IF SC_AGE_YEARS &lt; 1 PrevDent_17 = 95. VARIABLE LABELS PrevDent_17 "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_17 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES PrevDent_17(95,99). FORMATS PrevDent_17(f2.0). EXECUTE.  **** Type of preventive dental services received  COMPUTE DentCheck_17=999. IF DENTALSERV1 = 1 DentCheck_17 =1. IF DENTALSERV1 = 2 DentCheck_17 =2. IF DENTISTVISIT = 1 or K4Q30_R = 3 DentCheck_17 = 3. IF DENTISTVISIT = 99 and DENTALSERV1 = 2 DentCheck_17 = 99. IF K4Q30_R = 99 DentCheck_17 = 99. IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and </pre>	

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

DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentCheck\_17 = 99.

IF SC\_AGE\_YEARS < 1 DentCheck\_17 = 95.

VARIABLE LABELS DentCheck\_17 "Children who had dental check up visits during the past 12 months, age 1-17 years".

VALUE LABELS DentCheck\_17

1 "Received dental check-up"

2 "Received preventive dental care, but not dental check-up"

3 "Did not receive preventive dental care"

99 "Missing/Don't know"

95 "Children age 0-1 year".

MISSING VALUES DentCheck\_17(99,95).

COMPUTE DentCleaning\_17 = 999.

IF DENTALSERV2 = 1 DentCleaning\_17 =1.

IF DENTALSERV2 = 2 DentCleaning\_17 = 2.

IF DENTISTVISIT = 1 or K4Q30\_R = 3 DentCleaning\_17 = 3.

IF DENTISTVISIT = 99 and DENTALSERV2 = 2 DentCleaning\_17 = 99.

IF K4Q30\_R = 99 DentCleaning\_17 = 99.

IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentCleaning\_17 = 99.

IF SC\_AGE\_YEARS < 1 DentCleaning\_17 = 95.

VARIABLE LABELS DentCleaning\_17 "Children who had dental cleaning during the past 12 months, age 1-17 years".

VALUE LABELS DentCleaning\_17

1 "Had dental cleaning"

2 "Received preventive dental care, but not dental cleaning"

3 "Did not receive preventive dental care"

99 "Missing/Don't know"

95 "Children age 0-1 year".

MISSING VALUES DentCleaning\_17(99,95).

COMPUTE DentInstruct\_17 =999.

IF DENTALSERV3 = 1 DentInstruct\_17 =1.

IF DENTALSERV3 = 2 DentInstruct\_17 = 2.

IF DENTISTVISIT = 1 or K4Q30\_R = 3 DentInstruct\_17 = 3.

IF DENTISTVISIT = 99 and DENTALSERV3 = 2 DentInstruct\_17 = 99.

IF K4Q30\_R = 99 DentInstruct\_17 = 99.

IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentInstruct\_17 = 99.

IF SC\_AGE\_YEARS < 1 DentInstruct\_17 = 95.

VARIABLE LABELS DentInstruct\_17 "Children who had dental instruction during the past 12 months, age 1-17 years".

VALUE LABELS DentInstruct\_17

1 "Received instruction on oral health care"

2 "Received preventive dental care, but not instruction on oral health care"

3 "Did not receive preventive dental care"

99 "Missing/Don't know"

95 "Children age 0-1 year".

MISSING VALUES DentInstruct\_17(99,95).

COMPUTE DentXray\_17 = 999.

IF DENTALSERV4 = 1 DentXray\_17 =1.

IF DENTALSERV4 = 2 DentXray\_17 = 2.

IF DENTISTVISIT = 1 or K4Q30\_R = 3 DentXray\_17 = 3.

IF DENTISTVISIT = 99 and DENTALSERV4 = 2 DentXray\_17 = 99.

IF K4Q30\_R = 99 DentXray\_17 = 99.

IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and

```

DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentXray_17 = 99.
IF SC_AGE_YEARS < 1 DentXray_17 = 95.
VARIABLE LABELS DentXray_17 "Children who had dental X-ray during the past 12 months, age 1-17 years".
VALUE LABELS DentXray_17
1 "Had dental X-ray"
2 "Received preventive dental care, but not X-ray"
3 "Did not receive preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES DentXray_17(99,95).

COMPUTE fluoride_17 =999.
IF DENTALSERV5 = 1 fluoride_17 =1.
IF DENTALSERV5 = 2 fluoride_17 = 2.
IF DENTISTVISIT = 1 or K4Q30_R = 3 fluoride_17 = 3.
IF DENTISTVISIT = 99 and DENTALSERV5 = 2 fluoride_17 = 99.
IF K4Q30_R = 99 fluoride_17 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) fluoride_17 = 99.
IF SC_AGE_YEARS < 1 fluoride_17 = 95.
VARIABLE LABELS fluoride_17 "Children who had fluoride treatment during the past 12 months, age 1-17 years".
VALUE LABELS fluoride_17
1 "Received fluoride treatment"
2 "Received preventive dental care, but not fluoride treatment"
3 "Did not receive preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES fluoride_17(99,95).

COMPUTE sealant_17 = 999.
IF DENTALSERV6 = 1 sealant_17 =1.
IF DENTALSERV6 = 2 sealant_17 = 2.
IF DENTISTVISIT = 1 or K4Q30_R = 3 sealant_17 = 3.
IF DENTISTVISIT = 99 and DENTALSERV6 = 2 sealant_17 = 99.
IF K4Q30_R = 99 sealant_17 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) sealant_17 = 99.
IF SC_AGE_YEARS < 1 sealant_17 = 95.
VARIABLE LABELS sealant_17 "Children who had sealant during the past 12 months, age 1-17 years".
VALUE LABELS sealant_17
1 "Had dental sealant"
2 "Received preventive dental care, but not dental sealant"
3 "Did not receive preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES sealant_17(99,95).
EXECUTE.

```

<b>Indicator 4.3</b>	<b>Received both preventive medical and dental care (MedDentCare_17)</b>
<b>Description</b>	During the past 12 months, did this child receive both routine preventive medical and dental care visits?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who received both medical and dental preventive care in the past 12 months; Children who did not receive 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 in the past 12 months. 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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MedDentCare_17 = 999. IF PrevMed_17 = 1 and (PrevDent_17=1 or PrevDent_17=95) MedDentCare_17 = 1. IF PrevMed_17 = 2 or PrevDent_17 = 2 MedDentCare_17 = 2. IF PrevMed_17 = 99 or PrevDent_17 = 99 MedDentCare_17 = 99. VARIABLE LABELS MedDentCare_17 "Indicator 4.3: Children received both preventive medical and dental care visits in past 12 months". VALUE LABELS MedDentCare_17 1 "Received preventive medical and dental care" 2 "Did not receive preventive medical and dental care" 99 "Missing to any". MISSING VALUES MedDentCare_17(99). FORMATS MedDentCare_17(f2.0). EXECUTE. </pre>	

<b>Indicator 4.4</b>	<b>Received mental health care, age 3-17 years (MentHCare_17)</b>
<b>Description</b>	During the past 12 months, has this child received any treatment or counseling from a mental health professional?
<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 in public use data file: K4Q22_R
<b>Denominator</b>	Children age 3-17 years
<b>Numerator/Responsible Categories</b>	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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MentHCare_17 = K4Q22_R. IF SC_AGE_YEARS &lt; 3 MentHCare_17 = 95. VARIABLE LABELS MentHCare_17 "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_17 1 "Yes, received mental health care" 2 "No, but needed to see a mental health professional" 3 "No, did not need to see a mental health professional" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES MentHCare_17(95,99). FORMATS MentHCare_17(f2.0). EXECUTE. </pre>	

<b>Indicator 4.4a</b>	<b>Problems obtaining mental health care, age 3-17 years (MentHProb_17)</b>
<b>Description</b>	How much of a problem was it to get the mental health treatment or counseling that this child needed?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 3-17 years who needed any mental health treatment or counseling
<b>Numerator/Response Categories</b>	Children who needed mental health treatment or counseling and had no problem getting the care; Children who needed mental health treatment or counseling and had a small problem getting the care; Children who needed mental health treatment or counseling and had a big problem getting the care
<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 or not (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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MentHProb_17 = TREATNEED. IF K4Q22_R = 3 MentHProb_17 = 95. IF K4Q22_R = 99 MentHProb_17 = 99. IF SC_AGE_YEARS &lt; 3 MentHProb_17 = 96. VARIABLE LABELS MentHProb_17 "Indicator 4.4a: Problems obtaining mental health care among those who received or needed care, age 3-17 years". VALUE LABELS MentHProb_17 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 problem getting it" 3 "Received or needed mental health care but had a 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_17(95,96,99). FORMATS MentHProb_17(f2.0). EXECUTE. </pre>	

<b>Indicator 4.5</b>	<b>Received care from a specialist doctor (SpecCare_17)</b>
<b>Description</b>	During the past 12 months, did this child see a specialist other than a mental health professional?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who received care from a specialist during the past 12 months; Children who did not receive care from a specialist, but needed to see a specialist during the past 12 months; Children who did not receive care from a specialist and did not need to see 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SpecCare_17 = K4Q24_R. VARIABLE LABELS SpecCare_17 "Indicator 4.5: Received care from a specialist doctor other than a mental health professional during the past 12 months". VALUE LABELS SpecCare_17 1 "Received care from a specialist" 2 "No, but needed to see a specialist" 3 "No, did not need to see a specialist" 99 "Missing". MISSING VALUES SpecCare_17(99). FORMATS SpecCare_17(f2.0). EXECUTE. </pre>	

Indicator 4.5a	Problems obtaining specialist care (SpCareProb_17)
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 who received or needed specialist care
Numerator/Response Categories	Children who received or needed specialist care and did NOT have problem getting it; Children who received or needed specialist care but had a small problem getting it; Children who received or needed specialist care but had a big 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. 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	This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.
SPSS Syntax and Annotation	<pre> COMPUTE SpCareProb_17 = K4Q26. IF K4Q24_R = 3 SpCareProb_17 = 95. IF K4Q24_R = 99 SpCareProb_17 = 99. VARIABLE LABELS SpCareProb_17 "Indicator 4.5a: Problem obtaining specialist care among those who received specialist care during the past 12 months". VALUE LABELS SpCareProb_17 1 "Received or needed specialist care and did NOT have problem getting it" 2 "Received or needed specialist care but had a small problem getting it" 3 "Received or needed specialist care but had a big problem getting it" 99 "Missing" 95 "Did not need care from a specialist". MISSING VALUES SpCareProb_17(95,99). FORMATS SpCareProb_17(f2.0). EXECUTE. </pre>

Indicator 4.6	Vision test (VisnTest_17)
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/Response Categories	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>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE VisnTest_17 = K4Q31_R. VARIABLE LABELS VisnTest_17 "Indicator 4.6: Children who received vision screening ever (0-5 years)/ during the past 2 years (6-17 years)". VALUE LABELS VisnTest_17 1 "Received vision screening" 2 "Did not receive vision screening" 99 "Missing". MISSING VALUES VisnTest_17(99). FORMATS VisnTest_17(f4.0). EXECUTE.  COMPUTE EyeDoctor_17 = K4Q32X01. IF K4Q31_R = 2 EyeDoctor_17 = 3. IF K4Q31_R = 99 EyeDoctor_17 = 99. VARIABLE LABELS EyeDoctor_17 "Children who received vision screening at an eye specialist". VALUE LABELS EyeDoctor_17 1 "Received vision screening at eye specialist" 2 "Received vision screening, but not at eye specialist" 3 "Did not receive vision screening" 99 "Missing". MISSING VALUES EyeDoctor_17(95,99). FORMATS EyeDoctor_17(f4.0). EXECUTE. </pre>	

```
COMPUTE EyePedOffice_17 = K4Q32X02.  
IF K4Q31_R = 2 EyePedOffice_17 = 3.  
IF K4Q31_R = 99 EyePedOffice_17 = 99.  
VARIABLE LABELS EyePedOffice_17 "Children who received vision screening at pediatrician or general doctor".  
VALUE LABELS EyePedOffice_17  
1 "Received vision screening at pediatrician or general doctor"  
2 "Received vision screening, but not at pediatrician or general doctor"  
3 "Did not receive vision screening"  
99 "Missing".  
MISSING VALUES EyePedOffice_17(95,99).  
FORMATS EyePedOffice_17(f4.0).  
EXECUTE.  
  
COMPUTE EyeClinic_17 = K4Q32X03.  
IF K4Q31_R = 2 EyeClinic_17 = 3.  
IF K4Q31_R = 99 EyeClinic_17 = 99.  
VARIABLE LABELS EyeClinic_17 "Children who received vision screening at a clinic or health center".  
VALUE LABELS EyeClinic_17  
1 "Received vision screening at clinic"  
2 "Received vision screening, but not at clinic"  
3 "Did not receive vision screening"  
99 "Missing".  
MISSING VALUES EyeClinic_17(95,99).  
FORMATS EyeClinic_17(f4.0).  
EXECUTE.  
  
COMPUTE EyeSchool_17 = K4Q32X04.  
IF K4Q31_R = 2 EyeSchool_17 = 3.  
IF K4Q31_R = 99 EyeSchool_17 = 99.  
VARIABLE LABELS EyeSchool_17 "Children who received vision screening at school".  
VALUE LABELS EyeSchool_17  
1 "Received vision screening at school"  
2 "Received vision screening, but not at school"  
3 "Did not receive vision screening"  
99 "Missing".  
MISSING VALUES EyeSchool_17(95,99).  
FORMATS EyeSchool_17(f4.0).  
EXECUTE.
```

<b>Indicator 4.7</b>	<b>Hospital emergency room visit (ERVisit_17)</b>
<b>Description</b>	During the past 12 months, how many times did this child visit a hospital emergency room?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Response wording is changed from "No visits, 1 visit, 2 or more visits" to "Never, 1 time, 2 or more times". Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ERVisit_17 = HOSPITALER. VARIABLE LABELS ERVisit_17 "Indicator 4.7: Number of hospital emergency room visits for any health reason in the past 12 months". VALUE LABELS ERVisit_17 1 "Never" 2 "1 time" 3 "2 or more times" 99 "Missing". MISSING VALUES ERVisit_17(99). FORMATS ERVisit_17(f2.0). EXECUTE. </pre>	

Indicator 4.8	Alternative health care or treatment (AlterHC_17)
<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/Response Categories</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>	
Children who used any type of alternative health care or treatment; Children who did not use any type of alternative health care or treatment	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE AlterHC_17 = ALTHEALTH. VARIABLE LABELS AlterHC_17 "Indicator 4.8: Use of alternative health care or treatment during the past 12 months". VALUE LABELS AlterHC_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES AlterHC_17(99). FORMATS AlterHC_17(f2.0). EXECUTE. </pre>	

<b>Indicator 4.9</b>	<b>Doctor asked about parental concerns, age 0-5 years (DrAskConc_17)</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 used a health service in the past 12 months
<b>Numerator/Response Categories</b>	Children who had doctor visit during which parents were asked about concerns; Children who had doctor visit, but parents were not asked about concerns
<b>Notes for Data-Users</b>	
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. 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 four health-related services: medical care, dental care, mental health care or a specialist care in the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE Ct1NumbSer_17 = 0. IF S4Q01 = 1 Ct1NumbSer_17 = Ct1NumbSer_17 + 1. IF (K4Q30_R=1 or K4Q30_R=2) Ct1NumbSer_17 = Ct1NumbSer_17 + 1. IF K4Q22_R = 1 Ct1NumbSer_17 = Ct1NumbSer_17 + 1. IF K4Q24_R = 1 Ct1NumbSer_17 = Ct1NumbSer_17 + 1. IF S4Q01 = 99 and K4Q30_R = 99 and K4Q22_R = 99 and K4Q24_R = 99 Ct1NumbSer_17 = 99. VARIABLE LABELS Ct1NumbSer_17 "Count of number of services used, not including did not see but needed to see MH or specialist". VALUE LABELS Ct1NumbSer_17 0 "Used none of the 4 service types" 1 "Used 1 of the 4 service types" 2 "Used 2 of the 4 service types" 3 "Used 3 of the 4 service types" 4 "Used all 4 services" 99 "Missing to all".  COMPUTE Num1Service_17 = 2. IF Ct1NumbSer_17 &gt; 0 Num1Service_17 = 1. IF S4Q01 = 99 and K4Q30_R = 99 and K4Q22_R = 99 and K4Q24_R = 99 Num1Service_17 = 99. VARIABLE LABELS Num1Service_17 "Used 1 or more of the 4 services in the past 12 months, not including did not see but needed to see MH or specialist". VALUE LABELS Num1Service_17 1 "Used 1 or more services" 2 "Used none of the 4 services" 99 "Missing to all". </pre>	

\*\*\*Indicator 4.9: Doctor asked about parental concerns, age 0-5 years

```
COMPUTE DrAskConc_17 = K6Q10.  
IF Ct1NumbSer_17 < 1 or Ct1NumbSer_17 = 99 DrAskConc_17=95.  
IF SC_AGE_YEARS > 5 DrAskConc_17 = 90.  
VARIABLE LABELS DrAskConc_17 "Indicator 4.9: Doctor asked about parental concerns about the child's  
learning, development, or behavior, age 0-5 years".  
VALUE LABELS DrAskConc_17  
1 "Yes"  
2 "No"  
99 "Missing"  
95 "Did not use any of 4 services"  
90 "Children age 6-17 years".  
MISSING VALUES DrAskConc_17(90,95,99).  
EXECUTE.
```

<b>Indicator 4.10</b>	<b>Developmental screening, age 9-35 months (DevScrnnng_17)</b>
<b>Description</b>	Did this child receive a developmental screening using a parent-completed screening tool?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C8 Variable in public use data file: K6Q12; K6Q13A; K6Q13B; K6Q14A; K6Q14B
<b>Denominator</b>	Children age 9-35 months
<b>Numerator/Response Categories</b>	Children whose parent completed standardized developmental screening tool; Children whose parent did not complete a standardized developmental screening tool
<b>Notes for Data-Users</b>	
<p>The AAP recommends that all children be screened for developmental delays during their regular well-check visits at 9, 18, and 24 or 30 months. This measure uses age-appropriate questions to verify whether young children received standardized developmental, behavioral and social screening using a parent-reported, standardized screening tool or instrument. Parent respondents for all children between 9 months and 5 years old were asked the following 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). The measure is considered missing if both types of content are missing.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</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 K6Q13A = 99) and (K6Q13B = 1 or K6Q13B = 99) both_9to23 = 1. IF K6Q13A =99 and K6Q13B = 99 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" 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. </pre>	

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

```
IF (K6Q14A = 1 or K6Q14A = 99) and (K6Q14B = 1 or K6Q14B = 99) both_24to35 = 1.  
IF K6Q14A = 99 and K6Q14B = 99 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_17 = 999.  
IF both_9to23 = 1 or both_24to35 = 1 DevScrnng_17 = 1.  
IF K6Q12 = 2 DevScrnng_17 = 2.  
IF both_9to23 = 2 or both_24to35 = 2 DevScrnng_17 = 2.  
IF both_9to23 = 99 or both_24to35 = 99 DevScrnng_17 = 99.  
IF K6Q12 = 99 DevScrnng_17 = 99.  
IF SC_AGE_LT9 = 1 or (SC_AGE_YEARS>2 and SC_AGE_YEARS<6) DevScrnng_17 = 95.  
IF SC_AGE_YEARS > 5 DevScrnng_17 = 90.  
VARIABLE LABELS DevScrnng_17 "Indicator 4.10: Children who received a developmental screening  
using a parent-completed screening tool, age 9-35 months".  
VALUE LABELS DevScrnng_17  
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_17(90,95,99).  
EXECUTE.
```

Indicator 4.11	Special services for developmental needs (SpecServ_17)
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/Response Categories	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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SpecServ_17 = K4Q38. IF K4Q36 = 2 SpecServ_17 = 2. IF K4Q36 = 99 SpecServ_17 = 99. VARIABLE LABELS SpecServ_17 "Indicator 4.11: Children currently receive special services to meet child's developmental needs such as speech, occupational or behavioral therapy". VALUE LABELS SpecServ_17 1 "Currently receive special services" 2 "Do not currently receive special services" 99 "Missing". MISSING VALUES SpecServ_17(99). FORMATS SpecServ_17(f2.0). EXECUTE. </pre>	

<b>Indicator 4.11a</b>	<b>Age started receiving special services for developmental needs (SpSerAge_17)</b>
<b>Description</b>	How old was this child, in years, when he or she began receiving special services?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years who ever received special services
<b>Numerator/Response Categories</b>	Children who received special services when they were 2 years old or younger; 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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K4Q37 (0 thru 2=1) (3 thru 5=2) (6 thru 17=3) (99=99) into SpSerAge_17. IF K4Q37 = 99 SpSerAge_17 = 99. IF K4Q36 = 2 SpSerAge_17 = 0. IF K4Q36 = 99 SpSerAge_17 = 99. VARIABLE LABELS SpSerAge_17 "Indicator 4.11a: Age start receiving special services to meet child's developmental needs such as speech, occupational or behavioral therapy". VALUE LABELS SpSerAge_17 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_17(0,99). FORMATS SpSerAge_17(f2.0). EXECUTE. </pre>	

Indicator 4.12	Medical home (MedHome_17)
Description	Did this child receive coordinated, ongoing, comprehensive care within a medical home?
Survey Items Used	<p>Survey instrument item number for children 0-5 years: C9,C10, D1-D4,D7-D12; for children 6-11 years: C7,C8,D1-D4,D7-D12; for children 12-17 years: C8,C9, D1-D4,D7-D12</p> <p>Variable name in public use data file: K4Q01; K4Q02_R; K4Q04_R; K5Q10; K5Q11; K5Q40; K5Q41; K5Q42; K5Q43; K5Q44; K5Q20_R; K5Q21; K5Q22; K5Q30; K5Q31_R; K5Q32; S4Q01</p>
Denominator	Children age 0-17 years
Numerator/Response Categories	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 a medical home: 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. In the 2017 NSCH, the presence of a medical home was measured by a composite measure based on five components constructed from a total of 16 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. 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. Further information about the Medical Home concept and measurement is available on the Data Resource Center <a href="#">Medical Home portal</a>. The medical home manual developed by the CAHMI is available on the <a href="#">DRC website</a>.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre>***Indicator 4.12a: Medical Home Component: Personal doctor or nurse COMPUTE PerDrNs_17 = 999. IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_17 = 1.</pre>	

```

IF K4Q04_R = 3 PerDrNs_17 = 2.
IF K4Q04_R=99 PerDrNs_17 = 99.
VARIABLE LABELS PerDrNs_17 "Indicator 4.12a: Medical Home Component: Children with a personal
doctor or nurse".
VALUE LABELS PerDrNs_17
1 "Yes, have at least one personal doctor or nurse"
2 "Do not have a personal doctor or nurse"
99 "Missing".
MISSING VALUES PerDrNs_17(99).
FORMATS PerDrNs_17(f4.0).

```

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

```

COMPUTE UsualSck_17 = 999.
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_17 = 1.
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_17 = 2.
IF K4Q01=99 or K4Q02_R=99 UsualSck_17 = 99.
VARIABLE LABELS UsualSck_17 " Indicator 4.12b: Medical Home Component: Usual sources for sick
care".
VALUE LABELS UsualSck_17
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_17 = 999.
IF S4Q01 = 2 time_17 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_17 = 3.
IF K5Q40 = 2 time_17 = 2.
IF K5Q40 = 1 time_17 = 1.
IF K5Q40 = 99 time_17 = 99.
VARIABLE LABELS time_17 "Doctors spent enough time with children".
VALUE LABELS time_17
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_17(99).

```

```

COMPUTE listen_17 = 999.
IF S4Q01 = 2 listen_17 = 0.
IF K5Q41 =3 or K5Q41 = 4 listen_17 = 3.
IF K5Q41 = 2 listen_17 = 2.
IF K5Q41 = 1 listen_17 = 1.
IF K5Q41 = 99 listen_17 = 99.
VARIABLE LABELS listen_17 "Doctors listened carefully to children's parents".
VALUE LABELS listen_17
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_17(99).

```

```

COMPUTE sensitiv_17 = 999.
IF S4Q01 = 2 sensitiv_17 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_17 = 3.
IF K5Q42 = 2 sensitiv_17 = 2.
IF K5Q42 = 1 sensitiv_17 = 1.
IF K5Q42 = 99 sensitiv_17 = 99.
VARIABLE LABELS sensitiv_17 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_17
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_17(99).

```

```

COMPUTE info_17 = 999.
IF S4Q01 = 2 info_17 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_17 = 3.
IF K5Q43 = 2 info_17 = 2.
IF K5Q43 = 1 info_17 = 1.
IF K5Q43 = 99 info_17 = 99.
VARIABLE LABELS info_17 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_17
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_17(99).

```

```

COMPUTE partner_17 = 999.
IF S4Q01 = 2 partner_17 = 0.
IF K5Q44 = 3 or K5Q44 = 4 partner_17 = 3.
IF K5Q44 = 2 partner_17 = 2.
IF K5Q44 = 1 partner_17 = 1.
IF K5Q44 = 99 partner_17 = 99.
VARIABLE LABELS partner_17 "Doctors helped parents to feel like partners in child's care".
VALUE LABELS partner_17
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_17(99).

```

```
MISSING VALUES time_17 listen_17 sensitiv_17 info_17 partner_17().
```

```

COMPUTE FamCent_17 = 999.
IF (time_17 = 3 or time_17=99) or (listen_17 = 3 or listen_17 =99) or (sensitiv_17 = 3 or sensitiv_17=99) or
(info_17 = 3 or info_17=99) or
(partner_17 = 3 or partner_17=99) FamCent_17 = 2.
IF (time_17=1 or time_17=2 or time_17=99) and (listen_17=1 or listen_17=2 or listen_17=99) and
(sensitiv_17=1 or sensitiv_17=2 or sensitiv_17=99) and
(info_17=1 or info_17=2 or info_17=99) and (partner_17=1 or partner_17=2 or partner_17=99) FamCent_17
= 1.
IF time_17 = 0 FamCent_17 = 0.
IF time_17 = 99 and listen_17 = 99 and sensitiv_17 = 99 and info_17 = 99 and partner_17 = 99

```

```

FamCent_17 = 99.
VARIABLE LABELS FamCent_17 "Indicator 4.12c: Medical Home Component: Family-centered care".
VALUE LABELS FamCent_17
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 all".
MISSING VALUES FamCent_17(0,99).

```

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

```

COMPUTE NoRefPrb_17 = K5Q11.
IF K5Q10=99 NoRefPrb_17 = 99.
IF K5Q10 = 2 NoRefPrb_17 = 0.
VARIABLE LABELS NoRefPrb_17 "Indicator 4.12d: Medical Home Component: Problems getting needed
referrals, all children".
VALUE LABELS NoRefPrb_17
0 "Did not need referrals during the past 12 months"
1 "No problems getting referral, when needed"
2 "Had a small problem getting referrals, when needed"
3 "Had a big problem getting referrals, when needed"
99 "Missing".
MISSING VALUES NoRefPrb_17(99).

```

\*\*\* Indicator 4.12e: Medical Home Component: Care Coordination

```

COMPUTE DrComm_17 = 999.
IF K5Q30 = 1 DrComm_17 = 1.
IF K5Q30 = 2 DrComm_17 = 2.
IF K5Q30 = 3 or K5Q30 = 4 DrComm_17 = 3.
IF K5Q30 = 99 DrComm_17 = 99.
IF K5Q20_R = 3 or S4Q01 = 2 DrComm_17 = 0.
VARIABLE LABELS DrComm_17 "Satisfaction with communication among child's doctor and other health
care provider".
VALUE LABELS DrComm_17
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_17().

```

```

COMPUTE CareHelp_17 = 999.
IF K5Q22 = 1 CareHelp_17 = 1.
IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_17 = 1.
IF K5Q22 = 2 or K5Q22 = 3 CareHelp_17 = 2.
IF K5Q21 = 99 or K5Q22 = 99 CareHelp_17 = 99.
IF K5Q20_R = 99 CareHelp_17 = 99.
IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_17 = 0.
IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_17 = 0.
IF S4Q01 = 99 CareHelp_17 = 99.
VARIABLE LABELS CareHelp_17 "Got all needed extra help with care coordination when needed".
VALUE LABELS CareHelp_17
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_17 = 999.
IF S4Q01 = 2 or K5Q31_R = 2 or K5Q31_R = 3 OthComm_17 = 0.
IF K5Q32 = 1 OthComm_17 = 1.
IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm_17 = 2.
IF K5Q32 = 99 OthComm_17 = 99.
IF K5Q31_R = 99 OthComm_17 = 99.
VARIABLE LABELS OthComm_17 "Satisfaction with communication among child's doctors and school,
child care provider, or special education program".
VALUE LABELS OthComm_17
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\_17 DrComm\_17 OthComm\_17().

```

COMPUTE CareCoor_17 = 999.
IF (CareHelp_17 = 2 or CareHelp_17=99) or (DrComm_17 = 2 or DrComm_17 = 3 or DrComm_17=99) or
(OthComm_17 = 2 or OthComm_17=99) CareCoor_17 = 2.
IF (CareHelp_17 = 0 or CareHelp_17 = 1 or CareHelp_17=99) and (DrComm_17=0 or DrComm_17 =1 or
DrComm_17=99) and (OthComm_17 = 0 or OthComm_17 = 1 or OthComm_17=99) CareCoor_17 = 1.
IF (CareHelp_17 = 0 or CareHelp_17=99) and (DrComm_17 = 0 or DrComm_17=99) and (OthComm_17 =
0 or OthComm_17 = 99) CareCoor_17 = 0.
IF CareHelp_17 = 99 and DrComm_17 = 99 and OthComm_17 = 99 CareCoor_17 = 99.
VARIABLE LABELS CareCoor_17 "Indicator 4.12e: Medical Home Component: Effective care coordination,
all children".
VALUE LABELS CareCoor_17
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 all".
MISSING VALUES CareCoor_17(99).

```

MISSING VALUES PerDrNs\_17 UsualSck\_17 FamCent\_17 NoRefPrb\_17 CareCoor\_17().

```

COMPUTE MedHome_17 = 999.
IF (PerDrNs_17 = 1 or PerDrNs_17=99) and (UsualSck_17 = 1 or UsualSck_17=99) and (NoRefPrb_17=1
or NoRefPrb_17=0 or NoRefPrb_17=99) and
(FamCent_17=1 or FamCent_17=0 or FamCent_17=99) and (CareCoor_17=1 or CareCoor_17=0 or
CareCoor_17=99) MedHome_17 = 1.
IF PerDrNs_17 = 2 or UsualSck_17 = 2 or (NoRefPrb_17 = 2 or NoRefPrb_17=3) or FamCent_17 = 2 or
CareCoor_17 = 2 MedHome_17 = 2.
IF PerDrNs_17 = 99 and UsualSck_17 = 99 and (FamCent_17 = 99 or FamCent_17 = 0) and (NoRefPrb_17
= 99 or NoRefPrb_17=0) and (CareCoor_17 = 99 or CareCoor_17 = 0) MedHome_17 = 99.
VARIABLE LABELS MedHome_17 "Indicator 4.12: Children receiving coordinated, ongoing, comprehensive
care within a medical home".
VALUE LABELS MedHome_17
1 "Care MEETS medical home criteria"
2 "Care DOES NOT meet medical home criteria"
99 "Missing to all".
MISSING VALUES MedHome_17(99).

```

Indicator 4.12a	Personal doctor or nurse (PerDrNs_17)
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_R
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who have a personal doctor or nurse; Children who do not have a personal doctor or nurse
<b>Notes for Data-Users</b>	
This measure is one of the five components of the composite Medical Home measure and was derived directly from a single item (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. 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PerDrNs_17 = 999. IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_17 = 1. IF K4Q04_R = 3 PerDrNs_17 = 2. IF K4Q04_R=99 PerDrNs_17 = 99. VARIABLE LABELS PerDrNs_17 "Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse". VALUE LABELS PerDrNs_17 1 "Yes, have at least one personal doctor or nurse" 2 "Do not have a personal doctor or nurse" 99 "Missing". MISSING VALUES PerDrNs_17(99). FORMATS PerDrNs_17(f4.0). </pre>	

Indicator 4.12b	Usual source for sick care (UsualSck_17)
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/Response Categories	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). Criteria for meeting this component of the Medical Home measure are: 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, retail store clinic or "Minute clinic", school (nurse's office, athletic trainer's office), 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=2) is defined as not having a usual source of care for sick care.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE UsualSck_17 = 999. 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_17 = 1. IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_17 = 2. IF K4Q01=99 or K4Q02_R=99 UsualSck_17 = 99. VARIABLE LABELS UsualSck_17 "Usual sources for sick care". VALUE LABELS UsualSck_17 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 (FamCent_17)
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
Denominator	Children age 0-17 years who had a health care visit in the past 12 months
Numerator/Response Categories	Children who did not receive family-centered care; Children who received family-centered care
<b>Notes for Data-Users</b>	
This measure represents the Family-centered care component of the Medical Home composite measure. 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 only 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE time_17 = 999. IF S4Q01 = 2 time_17 = 0. IF K5Q40 = 3 or K5Q40 = 4 time_17 = 3. IF K5Q40 = 2 time_17 = 2. IF K5Q40 = 1 time_17 = 1. IF K5Q40 = 99 time_17 = 99. VARIABLE LABELS time_17 "Doctors spent enough time with children". VALUE LABELS time_17 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_17(99).  COMPUTE listen_17 = 999. IF S4Q01 = 2 listen_17 = 0. IF K5Q41 =3 or K5Q41 = 4 listen_17 = 3. IF K5Q41 = 2 listen_17 = 2. IF K5Q41 = 1 listen_17 = 1. IF K5Q41 = 99 listen_17 = 99. </pre>	

```

VARIABLE LABELS listen_17 "Doctors listened carefully to children's parents".
VALUE LABELS listen_17
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_17(99).

COMPUTE sensitiv_17 = 999.
IF S4Q01 = 2 sensitiv_17 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_17 = 3.
IF K5Q42 = 2 sensitiv_17 = 2.
IF K5Q42 = 1 sensitiv_17 = 1.
IF K5Q42 = 99 sensitiv_17 = 99.
VARIABLE LABELS sensitiv_17 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_17
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_17(99).

COMPUTE info_17 = 999.
IF S4Q01 = 2 info_17 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_17 = 3.
IF K5Q43 = 2 info_17 = 2.
IF K5Q43 = 1 info_17 = 1.
IF K5Q43 = 99 info_17 = 99.
VARIABLE LABELS info_17 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_17
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_17(99).

COMPUTE partner_17 = 999.
IF S4Q01 = 2 partner_17 = 0.
IF K5Q44 = 3 or K5Q44 = 4 partner_17 = 3.
IF K5Q44 = 2 partner_17 = 2.
IF K5Q44 = 1 partner_17 = 1.
IF K5Q44 = 99 partner_17 = 99.
VARIABLE LABELS partner_17 "Doctors helped parents to feel like partners in child's care".
VALUE LABELS partner_17
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_17(99).

MISSING VALUES time_17 listen_17 sensitiv_17 info_17 partner_17().

COMPUTE FamCent_17 = 999.

```

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

```
IF (time_17 = 3 or time_17=99) or (listen_17 = 3 or listen_17 =99) or (sensitiv_17 = 3 or sensitiv_17=99) or  
(info_17 = 3 or info_17=99) or  
(partner_17 = 3 or partner_17=99) FamCent_17 = 2.  
IF (time_17=1 or time_17=2 or time_17=99) and (listen_17=1 or listen_17=2 or listen_17=99) and  
(sensitiv_17=1 or sensitiv_17=2 or sensitiv_17=99) and  
(info_17=1 or info_17=2 or info_17=99) and (partner_17=1 or partner_17=2 or partner_17=99)  
FamCent_17 = 1.  
IF time_17 = 0 FamCent_17 = 0.  
IF time_17 = 99 and listen_17 = 99 and sensitiv_17 = 99 and info_17 = 99 and partner_17 = 99  
FamCent_17 = 99.  
VARIABLE LABELS FamCent_17 "Indicator 4.12c: Medical Home Component: Family-centered care".  
VALUE LABELS FamCent_17  
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 all".  
MISSING VALUES FamCent_17(0,99).
```

Indicator 4.12d	Problems getting referrals (NoRefPrb_17)
Description	During the past 12 months, did this child have problems to getting 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/Response Categories	Children who did not need referrals; Children who needed referrals and did not have a problem getting them; Children who needed referrals and had a small problem getting them; Children who needed referrals and had a big problem getting them
<b>Notes for Data-Users</b>	
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). Children whose response for K5Q10 was "No" (K5Q10=2) were coded as not needing referrals.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE NoRefPrb_17 = K5Q11. IF K5Q10=99 NoRefPrb_17 = 99. IF K5Q10 = 2 NoRefPrb_17 = 0. VARIABLE LABELS NoRefPrb_17 "Indicator 4.12d: Medical Home Component: Problems getting needed referrals, all children". VALUE LABELS NoRefPrb_17 0 "Did not need referrals during the past 12 months" 1 "No problems getting referral, when needed" 2 "Had a small problem getting referrals, when needed" 3 "Had a big problem getting referrals, when needed" 99 "Missing". MISSING VALUES NoRefPrb_17(99). EXECUTE. </pre>	

Indicator 4.12e	Effective care coordination (CareCoor_17)
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 in public use data file: K5Q20_R; K5Q30; S4Q01; K5Q21; K5Q22; K5Q31_R; K5Q32
Denominator	Children age 0-17 years
Numerator/Response Categories	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 .L) 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DrComm_17 = 999. IF K5Q30 = 1 DrComm_17 = 1. IF K5Q30 = 2 DrComm_17 = 2. IF K5Q30 = 3 or K5Q30 = 4 DrComm_17 = 3. IF K5Q30 = 99 DrComm_17 = 99. IF K5Q20_R = 3 or S4Q01 = 2 DrComm_17 = 0. VARIABLE LABELS DrComm_17 "Satisfaction with communication among child's doctor and other health care provider". VALUE LABELS DrComm_17 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_17().  COMPUTE CareHelp_17 = 999. IF K5Q22 = 1 CareHelp_17 = 1. IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_17 = 1. </pre>	

```

IF K5Q22 = 2 or K5Q22 = 3 CareHelp_17 = 2.
IF K5Q21 = 99 or K5Q22 = 99 CareHelp_17 = 99.
IF K5Q20_R = 99 CareHelp_17 = 99.
IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_17 = 0.
IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_17 = 0.
IF S4Q01 = 99 CareHelp_17 = 99.

```

VARIABLE LABELS CareHelp\_17 "Got all needed extra help with care coordination when needed".

VALUE LABELS CareHelp\_17

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\_17 = 999.

IF S4Q01 = 2 or K5Q31\_R = 2 or K5Q31\_R = 3 OthComm\_17 = 0.

IF K5Q32 = 1 OthComm\_17 = 1.

IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm\_17 = 2.

IF K5Q32 = 99 OthComm\_17 = 99.

IF K5Q31\_R = 99 OthComm\_17 = 99.

VARIABLE LABELS OthComm\_17 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".

VALUE LABELS OthComm\_17

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\_17 DrComm\_17 OthComm\_17().

COMPUTE CareCoor\_17 = 999.

IF (CareHelp\_17 = 2 or CareHelp\_17=99) or (DrComm\_17 = 2 or DrComm\_17 = 3 or DrComm\_17=99) or (OthComm\_17 = 2 or OthComm\_17=99) CareCoor\_17 = 2.

IF (CareHelp\_17 = 0 or CareHelp\_17 = 1 or CareHelp\_17=99) and (DrComm\_17=0 or DrComm\_17 =1 or DrComm\_17=99) and (OthComm\_17 = 0 or OthComm\_17 = 1 or OthComm\_17=99) CareCoor\_17 = 1.

IF (CareHelp\_17 = 0 or CareHelp\_17=99) and (DrComm\_17 = 0 or DrComm\_17=99) and (OthComm\_17 = 0 or OthComm\_17 = 99) CareCoor\_17 = 0.

IF CareHelp\_17 = 99 and DrComm\_17 = 99 and OthComm\_17 = 99 CareCoor\_17 = 99.

VARIABLE LABELS CareCoor\_17 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".

VALUE LABELS CareCoor\_17

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 all".

MISSING VALUES CareCoor\_17(99).

\*\*\*\*Individual components of Care coordination\*\*\*\*

RECODE K5Q20\_R

(99=99) (3=95) (else=copy) into HelpCoord\_17.

IF S4Q01 = 2 HelpCoord\_17 = 95.

VARIABLE LABELS HelpCoord\_17 "Family gets help with coordinating child's health care among those who needed".

VALUE LABELS HelpCoord\_17

2 "No"

1 "Yes"

```

99 "Missing"
95 "Did not see more than one health care provider in past 12 months".
MISSING VALUES HelpCoord_17(95,99).
FORMATS HelpCoord_17(f4.0).
EXECUTE.

COMPUTE ExtraHelp_17 = K5Q21.
IF S4Q01 = 2 or K5Q20_R = 3 ExtraHelp_17 = 95.
VARIABLE LABELS ExtraHelp_17 "Family needed extra help to coordinate child's health care".
VALUE LABELS ExtraHelp_17
2 "No"
1 "Yes"
99 "Missing"
95 "Did not see more than one health care provider in past 12 months".
MISSING VALUES ExtraHelp_17(95,99).
FORMATS ExtraHelp_17(f4.0).
EXECUTE.

COMPUTE AllExtraHelp_17 = K5Q22.
IF S4Q01 = 2 or K5Q20_R = 3 or K5Q21 = 2 AllExtraHelp_17 = 95.
VARIABLE LABELS AllExtraHelp_17 "Got all needed extra help with care coordination".
VALUE LABELS AllExtraHelp_17
1 "Usually got help that was needed"
2 "Sometimes got help that was needed"
3 "Never got help that was needed"
99 "Missing"
95 "Did not see more than one health care provider/did not need extra help".
MISSING VALUES AllExtraHelp_17(95,99).
FORMATS AllExtraHelp_17(f4.0).
EXECUTE.

RECODE K5Q31_R
(1=1) (2 thru 3=2) (99 = 99) into OtherComm_17.
IF S4Q01 = 2 OtherComm_17 = 95.
VARIABLE LABELS OtherComm_17 "Child's doctors communicate with his/her school, special education
program, etc".
VALUE LABELS OtherComm_17
1 "Doctors communicate with child's school, etc"
2 "Doctors did not communicate with school etc. or No communication needed"
95 "Did not have any health care visit in past 12 months"
99 "Missing".
MISSING VALUES OtherComm_17(95,99).
FORMATS OtherComm_17(f4.0).
EXECUTE.

RECODE K5Q32
(1=1) (2 thru 4=2) (99 = 99) into SatOthComm_17.
*IF (SYSMIS(K5Q31_R)) SatOthComm_17 = 99.
IF S4Q01 = 2 SatOthComm_17 = 95.
IF K5Q31_R = 2 or K5Q31_R = 3 SatOthComm_17 = 96.
VARIABLE LABELS SatOthComm_17 "Satisfaction with communication of child's doctors with his/her
school, etc".
VALUE LABELS SatOthComm_17
1 "Very satisfied"
2 "Less than very satisfied"
95 "Did not have any health care visit in past 12 months"
96 "Doctors did not communicate with child's school, etc or No communication needed"

```

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

99 "Missing".

FORMATS SatOthComm\_17(f4.0).

MISSING VALUES SatOthComm\_17(95,96,99).

Indicator 4.14	Shared decision-making (ShareDec_17)
Description	Did this child have a family who partnered with the health care provider 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/Response Categories	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 health-related decisions needed
<b>Notes for Data-Users</b>	
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. 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. The question was asked only if child had a health care visit in the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE DiscussOpt_17 = 999. IF DECISIONS = 2 DiscussOpt_17 = 0. IF DISCUSSOPT = 1 DiscussOpt_17 = 1. IF DISCUSSOPT = 2 DiscussOpt_17 = 2. IF DISCUSSOPT = 3 or DISCUSSOPT = 4 DiscussOpt_17 = 3. IF DISCUSSOPT = 99 DiscussOpt_17 = 99. IF S4Q01=2 DiscussOpt_17 = 95. VARIABLE LABELS DiscussOpt_17 "Doctors discussed range of health care/treatment options". VALUE LABELS DiscussOpt_17 0 "No decisions needed" 1 "Always" 2 "Usually" 3 "Never/Sometimes" 99 "Missing" 95 "Did not have a health care visit". MISSING VALUES DiscussOpt_17(0,95,99). FORMATS DiscussOpt_17(f2.0). EXECUTE. </pre>	

```

COMPUTE RaiseConc_17 = 999.
IF DECISIONS = 2 RaiseConc_17 = 0.
IF RAISECONC = 1 RaiseConc_17 = 1.
IF RAISECONC = 2 RaiseConc_17 = 2.
IF RAISECONC = 3 or RAISECONC = 4 RaiseConc_17 = 3.
IF RAISECONC = 99 RaiseConc_17 = 99.
IF S4Q01 = 2 RaiseConc_17 = 95.
VARIABLE LABELS RaiseConc_17 "Doctors made it easy for parents to raise concerns or disagree with recommendations".
VALUE LABELS RaiseConc_17
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES RaiseConc_17(0,95,99).
FORMATS RaiseConc_17(f2.0).
EXECUTE.

```

```

COMPUTE BestChoice_17 = 999.
IF DECISIONS = 2 BestChoice_17 = 0.
IF BESTFORCHILD=1 BestChoice_17 = 1.
IF BESTFORCHILD=2 BestChoice_17 = 2.
IF BESTFORCHILD=3 or BESTFORCHILD=4 BestChoice_17 = 3.
IF BESTFORCHILD = 99 BestChoice_17 = 99.
IF S4Q01 = 2 BestChoice_17 = 95.
VARIABLE LABELS BestChoice_17 "Doctors worked with parents to decide together health care/treatment options".
VALUE LABELS BestChoice_17
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES BestChoice_17(0,95,99).
FORMATS BestChoice_17(f2.0).
EXECUTE.

```

MISSING VALUES DiscussOpt\_17 RaiseConc\_17 BestChoice\_17().

```

COMPUTE ShareDec_17 = 999.
IF (DiscussOpt_17 = 3 or DiscussOpt_17=99) or (RaiseConc_17 = 3 or RaiseConc_17=99) or
(BestChoice_17 = 3 or BestChoice_17 = 99) ShareDec_17 = 2.
IF (DiscussOpt_17 = 1 or DiscussOpt_17= 2 or DiscussOpt_17=99) and (RaiseConc_17 = 1 or
RaiseConc_17 = 2 or RaiseConc_17=99) and
(BestChoice_17 = 1 or BestChoice_17 = 2 or BestChoice_17=99) ShareDec_17 = 1.
IF DiscussOpt_17 = 99 and RaiseConc_17 = 99 and BestChoice_17 = 99 ShareDec_17 = 99.
IF DECISIONS = 2 or S4Q01=2 ShareDec_17 = 0.
VARIABLE LABELS ShareDec_17 "Indicator 4.14: Children whose families are partners in shared decision-making for their optimal health".
VALUE LABELS ShareDec_17
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_17(95,99).  
FORMATS ShareDec_17(f2.0).  
EXECUTE.
```

<b>Indicator 4.15</b>	<b>Transition to adult health care, age 12-17 years (Transition_17)</b>
<b>Description</b>	Did this child receive services needed for transition to adult health care?
<b>Survey Items Used</b>	Survey instrument item number for children 12-17 years: C4; D13, D14, D15c,d Variable in public use data file: DOCPRIVATE; K4Q20R; S4Q01; CHANGEAGE; GAINSKILLS; TREATCHILD; TREATADULT; SC_AGE_YEARS
<b>Denominator</b>	Youth age 12-17 years
<b>Numerator/Response Categories</b>	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
<b>Notes for Data-Users</b>	
In order to meet the criteria for this measure, youth ages 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. Respondents with "missing" to all items were set to missing.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<p>*Transition Part A: Time alone with health care provider*</p> <pre> COMPUTE TimeAlone_17 = 999. IF DOCPRIVATE = 1 TimeAlone_17 = 1. IF DOCPRIVATE = 2 TimeAlone_17 = 2. IF DOCPRIVATE = 99 TimeAlone_17 = 99. IF K4Q20R = 1 TimeAlone_17 = 2. IF S4Q01 =99 or K4Q20R = 99 TimeAlone_17 = 99. IF S4Q01 = 2 TimeAlone_17 = 2. IF SC_AGE_YEARS &lt; 12 TimeAlone_17 = 90. VARIABLE LABELS TimeAlone_17 "Children who had time alone with health care provider at last check-up, age 12-17 years". VALUE LABELS TimeAlone_17 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_17(). FORMATS TimeAlone_17(f2.0). EXECUTE. </pre> <p>*Transition Part B: Active work with child*</p>	

```

COMPUTE ActiveWork_17 = 2.
IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork_17 = 1.
IF (CHANGEAGE = 3 or CHANGEAGE = 99) and (GAINSKILLS =3 or GAINSKILLS = 99) ActiveWork_17
= 99.
IF SC_AGE_YEARS < 12 ActiveWork_17 = 90.
VARIABLE LABELS ActiveWork_17 "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_17
1 "Met the criteria"
2 "Did not met criteria"
99 "Missing/Don't know"
90 "Children age 0-11 years".
MISSING VALUES ActiveWork_17().
FORMATS ActiveWork_17(f2.0).
EXECUTE.

```

\*Transition Part C: Anticipatory guidance\*

```

COMPUTE TrtChild_17 = TREATCHILD.
IF SC_AGE_YEARS < 12 TrtChild_17 = 90.
VARIABLE LABELS TrtChild_17 "Doctor or health care provider treat only children, age 12-17 years".
VALUE LABELS TrtChild_17
1 "Yes"
2 "No"
99 "Missing"
90 "Children age 0-11 years".

```

```

COMPUTE TrtAdult_17 = 999.
IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult_17 = 1.
IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult_17 = 2.
IF TREATCHILD = 99 or TREATADULT = 99 TrtAdult_17 = 99.
IF TREATCHILD = 2 TrtAdult_17 = 95.
IF SC_AGE_YEARS < 12 TrtAdult_17 = 90.
VARIABLE LABELS TrtAdult_17 "Provider discussed shift to adult health care providers if needed, age 12-
17 years".
VALUE LABELS TrtAdult_17
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_17().
FORMATS TrtAdult_17(f2.0).
EXECUTE.

```

```

COMPUTE Transition_17 = 999.
IF (TimeAlone_17 = 1 or TimeAlone_17 =99) or (ActiveWork_17 = 1 or ActiveWork_17 =99) or (TrtAdult_17
= 1 or TrtAdult_17=95 or TrtAdult_17=99) Transition_17 = 1.
IF TimeAlone_17 = 2 or ActiveWork_17 = 2 or TrtAdult_17 = 2 Transition_17 = 2.
IF TimeAlone_17 = 99 and ActiveWork_17 = 99 and TrtAdult_17 = 99 Transition_17 = 99.
IF SC_AGE_YEARS < 12 Transition_17 = 90.
VARIABLE LABELS Transition_17 "Indicator 4.15: Adolescents who received services necessary to make
planning transitions to adult health care".
VALUE LABELS Transition_17
1 "Received services necessary for transition to adult health care"

```

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

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\_17(90,99).

FORMATS Transition\_17(f2.0).

EXECUTE.

Indicator 4.17	Systems of care (SystCare2_17)
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/Response Categories	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	<p>There are five age-relevant core measures for children age 0-11 years, and six age-relevant core measures for children age 12-17 years. Those five measures for children age 0-11 years include: the family feels like a partner in their child's care, child has a medical home, child receives early screening, child has adequate insurance, and child has no unmet need or barriers to access services. For adolescents age 12-17 years, preparation for transition to adult healthcare is included in addition to the 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. Respondents with "missing" to all items were set to missing.</p>
Revisions	<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>
SPSS Syntax and Annotation	<pre> COMPUTE insurance_17 = 1. IF (InsGap_17 = 1 or InsGap_17 = 99) and (InsAdeq_17 = 1 or InsAdeq_17 =99) insurance_17 = 1. IF CurrIns_17 = 2 or InsGap_17 = 2 or InsAdeq_17 = 2 insurance_17 = 2. IF InsGap_17 = 99 and InsAdeq_17 = 99 insurance_17 = 99. VARIABLE LABELS insurance_17 "Children who have adequate insurance and were covered entire year". VALUE LABELS insurance_17 1 "Have adequate insurance covered entire year" 2 "Do not have adequate insurance" 99 "Missing to both". MISSING VALUES insurance_17 ().  FORMATS insurance_17 (f2.0).  MISSING VALUES CurrIns_17 InsGap_17(99). MISSING VALUES InsAdeq_17(95,99).  MISSING VALUES PrevMed_17 PrevDent_17().  COMPUTE MedDentSyst_17 = 999. IF (PrevMed_17 = 1 or PrevMed_17 = 99) and (PrevDent_17=1 or PrevDent_17=95 or PrevDent_17=99) MedDentSyst_17 = 1. IF PrevMed_17 = 2 or PrevDent_17 = 2 MedDentSyst_17 = 2. IF PrevMed_17 = 99 and (PrevDent_17 = 99 or PrevDent_17=95) MedDentSyst_17 = 99. VARIABLE LABELS MedDentSyst_17 "Indicator 4.3: Children received both preventive medical and dental care visits in past 12 months ". </pre>

VALUE LABELS MedDentSyst\_17

1 "Received preventive medical and dental care"  
 2 "Did not receive preventive medical and dental care"  
 99 "Missing to both".

MISSING VALUES PrevMed\_17(99).

MISSING VALUES PrevDent\_17(95,99).

COMPUTE UnmetFrust\_17 = 999.

IF (K4Q27 = 2 or K4Q27 =99) and (C4Q04 = 1 or C4Q04 = 2 or C4Q04 =99) UnmetFrust\_17 = 1.

IF K4Q27 = 1 or (C4Q04 = 3 or C4Q04 = 4) UnmetFrust\_17 = 2.

IF K4Q27 = 99 and C4Q04 = 99 UnmetFrust\_17 = 99.

VARIABLE LABELS UnmetFrust\_17 "Children whose parents had difficulties in accessing care and always or usually frustrated in effort getting services for their children".

VALUE LABELS UnmetFrust\_17

1 "No unmet need and frustration"  
 2 "Experienced unmet need and frustration (usually/alway frustrated)"  
 99 "Missing".

MISSING VALUES ShareDec\_17 MedHome\_17 Insurance\_17 MedDentSyst\_17 UnmetFrust\_17  
 Transition\_17().

COMPUTE sys0to11care2\_17 = 999.

IF (ShareDec\_17 = 0 or ShareDec\_17 = 1 or ShareDec\_17=99) and (MedHome\_17 = 1 or MedHome\_17 = 99) and (Insurance\_17 = 1 or Insurance\_17 = 99)  
 and (MedDentSyst\_17 = 1 or MedDentSyst\_17=99) and (UnmetFrust\_17 = 1 or UnmetFrust\_17=99)  
 sys0to11care2\_17 = 1.

IF ShareDec\_17=2 or MedHome\_17 = 2 or Insurance\_17 = 2 or MedDentSyst\_17 = 2 or UnmetFrust\_17 = 2 sys0to11care2\_17 =2.

IF (ShareDec\_17=0 or ShareDec\_17=99) and MedHome\_17 = 99 and Insurance\_17 = 99 and  
 MedDentSyst\_17 = 99 and UnmetFrust\_17 = 99 sys0to11care2\_17 =99.

IF SC\_AGE\_YEARS > 11 sys0to11care2\_17 = 95.

VARIABLE LABELS sys0to11care2\_17 "Children ages 0-11 meeting one or more of five criteria for system of care".

VALUE LABELS sys0to11care2\_17

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\_17(99).

EXECUTE.

COMPUTE sys12to17care2\_17 = 999.

IF (ShareDec\_17 = 0 or ShareDec\_17 = 1 or ShareDec\_17=99) and (MedHome\_17 = 1 or MedHome\_17 = 99) and (Insurance\_17 = 1 or Insurance\_17 = 99)  
 and (MedDentSyst\_17 = 1 or MedDentSyst\_17=99) and (UnmetFrust\_17 = 1 or UnmetFrust\_17=99) and  
 (Transition\_17=1 or Transition\_17=99) sys12to17care2\_17 = 1.

IF ShareDec\_17=2 or MedHome\_17 = 2 or Insurance\_17 = 2 or MedDentSyst\_17 = 2 or UnmetFrust\_17 = 2 or Transition\_17=2 sys12to17care2\_17 =2.

IF (ShareDec\_17=0 or ShareDec\_17=99) and MedHome\_17 = 99 and Insurance\_17 = 99 and  
 MedDentSyst\_17 = 99 and UnmetFrust\_17 = 99 and Transition\_17=99 sys12to17care2\_17 =99.

IF SC\_AGE\_YEARS < 12 sys12to17care2\_17 = 95.

VARIABLE LABELS sys12to17care2\_17 "Children ages 12-17 meeting one or more of five criteria for system of care".

VALUE LABELS sys12to17care2\_17

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_17(99).
EXECUTE.

MISSING VALUES sys0to11care2_17 sys12to17care2_17().

COMPUTE SystCare2_17=99.
IF sys0to11care2_17 = 1 or sys12to17care2_17 = 1 SystCare2_17 =1.
IF sys0to11care2_17 = 2 or sys12to17care2_17 = 2 SystCare2_17 =2.
IF sys0to11care2_17 = 99 and sys12to17care2_17 = 99 SystCare2_17 =2.
VARIABLE LABELS SystCare2_17 "Indicator 4.17: Percent of children received care in a well-functioning
system".
VALUE LABELS SystCare2_17
1 "Received care in a well-functioning system"
2 "Did not receive care in a well-functioning system"
99 "Missing".
MISSING VALUES SystCare2_17(99).
EXECUTE.
```

<b>Indicator 4.18</b>	<b>Forgone health care (ForgoneCare_17)</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/Response Categories</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 service".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ForgoneCare_17 = K4Q27. VARIABLE LABELS ForgoneCare_17 "Children who needed health care but it was not received". VALUE LABELS ForgoneCare_17 1 "Did not receive needed health care" 2 "Received needed health care (or did not need health care)" 99 "Missing". MISSING VALUES ForgoneCare_17(99). EXECUTE.  FREQUENCIES VARIABLES=K4Q27 ForgoneCare_17. </pre> <p>*Specific types of unmet needs</p> <pre> COMPUTE ForgoneMed_17 = 999. IF K4Q28X01 = 1 ForgoneMed_17 = 1. IF K4Q27 = 2 or K4Q28X01 = 2 ForgoneMed_17 = 2. IF K4Q28X01 = 99 ForgoneMed_17 = 99. IF K4Q27 = 99 ForgoneMed_17 = 99. VARIABLE LABELS ForgoneMed_17 "Did not receive needed medical care during the past 12 months". VALUE LABELS ForgoneMed_17 1 "Did not receive needed medical care" 2 "Received needed medical care (or did not need medical care)" 99 "Missing". MISSING VALUES ForgoneMed_17(99). FORMATS ForgoneMed_17(f4.0). </pre>	

```

COMPUTE ForgoneDent_17 = 999.
IF K4Q28X02 = 1 ForgoneDent_17 = 1.
IF K4Q27 = 2 or K4Q28X02 = 2 ForgoneDent_17 = 2.
IF K4Q28X02 =99 ForgoneDent_17 = 99.
IF K4Q27 = 99 ForgoneDent_17 = 99.
IF SC_AGE_YEARS < 1 ForgoneDent_17 = 95.
VARIABLE LABELS ForgoneDent_17 "Did not receive needed dental care during the past 12 months, age 1-17 years".
VALUE LABELS ForgoneDent_17
1 "Did not receive needed dental care"
2 "Received needed dental care (or did not need dental care)"
99 "Missing"
95 "Children age less than 1 year old".
MISSING VALUES ForgoneDent_17(95,99).
FORMATS ForgoneDent_17(f4.0).

COMPUTE ForgoneVis_17 = 999.
IF K4Q28X03 = 1 ForgoneVis_17 = 1.
IF K4Q27 = 2 or K4Q28X03 = 2 ForgoneVis_17 = 2.
IF K4Q28X03 = 99 ForgoneVis_17 = 99.
IF K4Q27 = 99 ForgoneVis_17 = 99.
VARIABLE LABELS ForgoneVis_17 "Did not receive needed vision care during the past 12 months".
VALUE LABELS ForgoneVis_17
1 "Did not receive needed vision care"
2 "Received needed vision care (or did not need vision care)"
99 "Missing".
MISSING VALUES ForgoneVis_17(99).
FORMATS ForgoneVis_17(f4.0).

COMPUTE ForgoneHear_17 = 999.
IF K4Q28X_EAR = 1 ForgoneHear_17 = 1.
IF K4Q27 = 2 or K4Q28X_EAR = 2 ForgoneHear_17 = 2.
IF K4Q28X_EAR = 99 ForgoneHear_17 = 99.
IF K4Q27 = 99 ForgoneHear_17 = 99.
VARIABLE LABELS ForgoneHear_17 "Did not receive needed hearing care during the past 12 months".
VALUE LABELS ForgoneHear_17
1 "Did not receive needed hearing care"
2 "Received needed hearing care (or did not need hearing care)"
99 "Missing".
MISSING VALUES ForgoneHear_17(99).
FORMATS ForgoneHear_17(f4.0).

COMPUTE ForgoneMH_17 = 999.
IF K4Q28X04 = 1 ForgoneMH_17 = 1.
IF K4Q27 = 2 or K4Q28X04 = 2 ForgoneMH_17 = 2.
IF K4Q28X04 = 99 ForgoneMH_17 = 99.
IF K4Q27 = 99 ForgoneMH_17 = 99.
IF SC_AGE_YEARS < 3 ForgoneMH_17 = 95.
VARIABLE LABELS ForgoneMH_17 "Did not receive needed mental health services during the past 12 months, age 3-17 years".
VALUE LABELS ForgoneMH_17
1 "Did not receive needed mental health care"
2 "Received needed mental health care (or did not need mental health care)"
99 "Missing"
95 "Children age 0-2 years".
MISSING VALUES ForgoneMH_17(95,99).
FORMATS ForgoneMH_17(f4.0).

```

```

COMPUTE ForgoneOther_17 = 999.
IF K4Q28X05 = 1 ForgoneOther_17 = 1.
IF K4Q27 = 2 or K4Q28X05 = 2 ForgoneOther_17 = 2.
IF K4Q28X05 = 99 ForgoneOther_17 = 99.
IF K4Q27 = 99 ForgoneOther_17 = 99.
VARIABLE LABELS ForgoneOther_17 "Did not receive needed other health services during the past 12 months".
VALUE LABELS ForgoneOther_17
1 "Did not receive needed other types of care"
2 "Received needed other health care (or did not need other health care)"
99 "Missing".
MISSING VALUES ForgoneOther_17(99).
FORMATS ForgoneOther_17(f4.0).

```

\*\*\*Reasons for forgone health care

```

COMPUTE ineligible_17 = NOTELIG.
IF K4Q27 = 2 ineligible_17 = 95.
IF K4Q27 = 99 ineligible_17 = 99.
VARIABLE LABELS ineligible_17 "Did not receive needed health care because the child was not eligible".
VALUE LABELS ineligible_17
1 "Experienced this difficulty"
2 "Did not experience this difficulty"
95 "Received needed health care (or did not need health care)"
99 "Missing".
MISSING VALUES ineligible_17(95,99).
EXECUTE.

```

```

COMPUTE unavailable_17 = AVAILABLE.
IF K4Q27 = 2 unavailable_17 = 95.
IF K4Q27 = 99 unavailable_17 = 99.
VARIABLE LABELS unavailable_17 "Did not receive needed health care because the service this child needed were not available in their area".
VALUE LABELS unavailable_17
1 "Experienced this difficulty"
2 "Did not experience this difficulty"
95 "Received needed health care (or did not need health care)"
99 "Missing".
MISSING VALUES unavailable_17(95,99).

```

```

COMPUTE appointment_17 = APPOINTMENT.
IF K4Q27 = 2 appointment_17 = 95.
IF K4Q27 = 99 appointment_17 = 99.
VARIABLE LABELS appointment_17 "Did not receive needed health care because there were problems getting an appointment".
VALUE LABELS appointment_17
1 "Experienced this difficulty"
2 "Did not experience this difficulty"
95 "Received needed health care (or did not need health care)"
99 "Missing".
MISSING VALUES appointment_17(95,99).

```

```

COMPUTE transport_17 = TRANSPORTCC.
IF K4Q27 = 2 transport_17 = 95.
IF K4Q27 = 99 transport_17 = 99.
VARIABLE LABELS transport_17 "Did not receive needed health care because there were problems with

```

getting transportation or child care".

VALUE LABELS transport\_17

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

95 "Received needed health care (or did not need health care)"

99 "Missing".

MISSING VALUES transport\_17(99).

COMPUTE NotOpen\_17 = NOTOPEN.

IF K4Q27 = 2 NotOpen\_17 = 95.

IF K4Q27 = 99 NotOpen\_17 = 99.

VARIABLE LABELS NotOpen\_17 "Did not receive needed health care because the office was not open when the child needs care".

VALUE LABELS NotOpen\_17

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

95 "Received needed health care (or did not need health care)"

99 "Missing".

MISSING VALUES NotOpen\_17(99).

COMPUTE CostIssue\_17 = ISSUECOST.

IF K4Q27 = 2 CostIssue\_17 = 95.

IF K4Q27 = 99 CostIssue\_17 = 99.

VARIABLE LABELS CostIssue\_17 "Did not receive needed health care due to issues related to cost".

VALUE LABELS CostIssue\_17

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

95 "Received needed health care (or did not need health care)"

99 "Missing".

MISSING VALUES CostIssue\_17(99).

<b>Indicator 4.19</b>	<b>Problems paying medical bills (MedBills_17)</b>
<b>Description</b>	During the past 12 months, did your family have problems paying for any of this child's medical or health care bills?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 during the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MedBills_17 = K3Q25. IF HOWMUCH = 1 MedBills_17 = 0. VARIABLE LABELS MedBills_17 "Indicator 4.19: Family had problems paying for child's medical or health care bills during the past 12 months". VALUE LABELS MedBills_17 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_17(99). FORMATS MedBills_17(f4.0). EXECUTE. </pre>	

<b>Indicator 4.20</b>	<b>Frustrated in efforts to get services (frustrated_17)</b>
<b>Description</b>	During the past 12 months, how often were you frustrated in your efforts to get services for this child?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children whose family was usually or always frustrated in effort to get services; Children whose family was sometimes frustrated in effort to get services; Children whose family was never frustrated in effort to get services
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE C4Q04 (3 thru 4=3) (else=copy) into frustrated_17. VARIABLE LABELS frustrated_17 "Indicator 4.20: Family often frustrated in efforts to get services for their children during the past 12 months". VALUE LABELS frustrated_17 1 "Never frustrated" 2 "Sometimes frustrated" 3 "Usually/always frustrated" 99 "Missing". MISSING VALUES frustrated_17(99). FORMATS frustrated_17(f4.0). EXECUTE. </pre>	

**Community and school activities**

<b>Indicator 5.1</b>	<b>Special education or early intervention plan, age 1-17 years (SpEducPln_17)</b>
<b>Description</b>	Is this child currently receiving services under a special education or early intervention plan?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 1-17 years
<b>Numerator/Response Categories</b>	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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SpEducPln_17 = SESCURRSVC. IF K6Q15 = 2 SpEducPln_17 = 2. IF K6Q15 = 99 SpEducPln_17 = 99. IF SC_AGE_YEARS &lt; 1 SpEducPln_17 = 95. VARIABLE LABELS SpEducPln_17 "Indicator 5.1: Children currently receives special education or early intervention services, age 1-17 years". VALUE LABELS SpEducPln_17 1 "Yes" 2 "No" 99 "Missing" 95 "Children under 1 year old". MISSING VALUES SpEducPln_17(95,99). FORMATS SpEducPln_17(f2.0). EXECUTE. </pre>	

<b>Indicator 5.1a</b>	<b>Age started special education or early intervention plan, age 1-17 years (SpEdAge_17)</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 1-17 years who ever received special education or early intervention plan
<b>Numerator/Response Categories</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
<b>Notes for Data-Users</b>	
This question was only asked among children who ever had a special education plan or early intervention plan.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE SESPLANYR (0 thru 2=1) (3 thru 5=2) (6 thru 17=3) (99=99) into SpEdAge_17. IF K6Q15 = 2 SpEdAge_17 = 0. IF K6Q15 = 99 SpEdAge_17 = 99. IF SC_AGE_YEARS&lt;1 SpEdAge_17 = 95. VARIABLE LABELS SpEdAge_17 "Indicator 5.1a: Age started special education or early intervention plan, age 1-5 years". VALUE LABELS SpEdAge_17 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_17(0,95,99). FORMATS SpEdAge_17(f2.0). EXECUTE. </pre>	

<b>Indicator 5.2</b>	<b>School engagement, age 6-17 years (SchlEngage_17)</b>
<b>Description</b>	Is this child engaged in school: cares about doing well in school and doing required homework?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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 cares about doing well in school and does all required homework. These questions were asked for children between 6 and 17 years of age.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a> . Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE cares_17 = K7Q82_R. IF SC_AGE_YEARS &lt; 6 cares_17 = 90. VARIABLE LABELS cares_17 "Children who care about doing well in school, age 6-17 years". VALUE LABELS cares_17 1 "Definitely true" 2 "Somewhat true" 3 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES cares_17(90,99). FORMATS cares_17(f4.0). EXECUTE.  COMPUTE homework_17 = K7Q83_R. IF SC_AGE_YEARS &lt; 6 homework_17 = 90. VARIABLE LABELS homework_17 "Children who do all required homework, age 6-17 years". VALUE LABELS homework_17 1 "Definitely true" 2 "Somewhat true" 3 "Not true" 99 "Missing" 90 "Children age 0-5 years". </pre>	

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

MISSING VALUES homework\_17(90,99).

FORMATS homework\_17(f4.0).

EXECUTE.

COMPUTE SchlEngage2\_17 = 2.

IF K7Q82\_R = 1 and K7Q83\_R = 1 SchlEngage2\_17 = 1.

IF K7Q82\_R = 99 and K7Q83\_R = 99 SchlEngage2\_17 = 99.

IF SC\_AGE\_YEARS < 6 SchlEngage2\_17 = 90.

VARIABLE LABELS SchlEngage2\_17 "Indicator 5.2: School engagement, age 6-17 years--dichotomized".

VALUE LABELS SchlEngage2\_17

1 "Definitely true to both"

2 "Not definitely true on both items"

99 "Missing"

90 "Children age 0-5 years".

MISSING VALUES SchlEngage2\_17(90,99).

FORMATS SchlEngage2\_17(f4.0).

EXECUTE.

<b>Indicator 5.3</b>	<b>Repeated grade(s) in school, age 6-17 years (ReptGrade_17)</b>
<b>Description</b>	Since starting kindergarten has this child repeated any grades?
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: G3; for children 12-17 years: G3 Variable in public use data file: REPEATED
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	Children who repeated a grade; Child who did not repeat a grade
<b>Notes for Data-Users</b>	
This question was asked for all children between 6 and 17 years of age.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ReptGrade_17 = REPEATED. IF SC_AGE_YEARS &lt; 6 ReptGrade_17 = 90. VARIABLE LABELS ReptGrade_17 "Indicator 5.3: Children repeated any grades since starting kindergarten, age 6-17 years". VALUE LABELS ReptGrade_17 1 "Yes" 2 "No" 90 "Children age 0-5 years" 99 "Missing". MISSING VALUES ReptGrade_17(90,99). FORMATS ReptGrade_17(f2.0). EXECUTE. </pre>	

<b>Indicator 5.4</b>	<b>Missed school days, age 6-17 years (SchlMiss_17)</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/Responsible Categories</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 school days because of illness or injury
<b>Notes for Data-Users</b>	
This measure was derived based on a single item. The response category "This child was not enrolled in school" was not included in the denominator and they were set to missing.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SchlMiss_17 = K7Q02R_R. IF SC_AGE_YEARS &lt; 6 SchlMiss_17 = 90. VARIABLE LABELS SchlMiss_17 "Indicator 5.4: Missed school days during the past 12 months, age 6-17 years". VALUE LABELS SchlMiss_17 1 "No missed school days" 2 "1 - 3 days" 3 "4 - 6 days" 4 "7 - 10 days" 5 "11 or more days" 6 "This child was not enrolled in school" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES SchlMiss_17(6,90,99). FORMATS SchlMiss_17(f2.0). EXECUTE. </pre>	

<b>Indicator 5.5</b>	<b>Participation in organized activities, age 6-17 years (AftSchAct_17)</b>
<b>Description</b>	During the past 12 months, did this child participate in any organized activities or lessons, after school or on weekend?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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). Children who participate in any of these three activities met the measure criteria.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE sports_17 = K7Q30. IF SC_AGE_YEARS &lt; 6 sports_17 = 90. VARIABLE LABELS sports_17 "Participation in sports teams or sports lessons after school or on weekends". VALUE LABELS sports_17 1 "Participated in activity" 2 "Did not participate" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES sports_17(90,99). FORMATS sports_17(f4.0).  COMPUTE clubs_17 = K7Q31. IF SC_AGE_YEARS &lt; 6 clubs_17 = 90. VARIABLE LABELS clubs_17 "Participation in clubs or organizations after school or on weekends". VALUE LABELS clubs_17 1 "Participated in activity" 2 "Did not participate" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES clubs_17(90,99). FORMATS clubs_17(f4.0).  COMPUTE lessons_17 = K7Q32. IF SC_AGE_YEARS &lt; 6 lessons_17 = 90. </pre>	

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

VARIABLE LABELS lessons\_17 "Participation in any other organized activities or lessons, such as music, dance, language or other arts".

VALUE LABELS lessons\_17

1 "Participated in activity"

2 "Did not participate"

99 "Missing"

90 "Children age 0-5 years".

MISSING VALUES lessons\_17(90,99).

FORMATS lessons\_17(f4.0).

MISSING VALUES sports\_17 clubs\_17 lessons\_17().

COUNT partic\_17 = sports\_17 clubs\_17 lessons\_17(1).

IF sports\_17 = 99 and clubs\_17 = 99 and lessons\_17 = 99 partic\_17 = 99.

IF SC\_AGE\_YEARS < 6 partic\_17=90.

VARIABLE LABELS partic\_17 "Number of organized activities child participates in after school (6-17 years)".

VALUE LABELS partic\_17

99 "Missing to all"

90 "Children age 0-5 years".

RECODE partic\_17 (0=2) (1 thru 3 = 1) (else=copy) into AftSchAct\_17.

VARIABLE LABELS AftSchAct\_17 "Indicator 5.5: Children participate in organized activities outside school, age 6-17 years".

VALUE LABELS AftSchAct\_17

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\_17 (90,99).

FORMATS AftSchAct\_17 (f4.0).

EXECUTE.

<b>Indicator 5.6</b>	<b>Parent participation in child's events/activities, age 6-17 years (EventPart_17)</b>
<b>Description</b>	During the past 12 months, how often did you attend events or activities that this child participated in?
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: G5; for children 12-17 years: G5 Variable in public use data file: K7Q33
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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>	
This measure was derived from a single item. This question was asked for children between 6 and 17 years of age. 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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q33 (1 thru 2 = 1) (3=2) (4 thru 5=3) (99=99) into EventPart_17. IF SC_AGE_YEARS &lt; 6 EventPart_17 = 90. VARIABLE LABELS EventPart_17 "Indicator 5.6: Parents participate in child's event or activities, age 6-17 years". VALUE LABELS EventPart_17 1 "Always or Usually" 2 "Sometimes" 3 "Rarely or Never" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES EventPart_17(90,99). FORMATS EventPart_17(f4.0). EXECUTE. </pre>	

<b>Indicator 5.7</b>	<b>Participation in community service or volunteer work, age 6-17 years (volunteer_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: G4d; for children 12-17 years: G4d Variable in public use data file: K7Q37
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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 measure was derived from a single item. This question was asked for children between 6 and 17 years of age	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE volunteer_17 = K7Q37. IF SC_AGE_YEARS &lt; 6 volunteer_17 = 90. VARIABLE LABELS volunteer_17 "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_17 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES volunteer_17(90,99). FORMATS volunteer_17(f4.0). EXECUTE. </pre>	

<b>Indicator 5.8</b>	<b>Work for pay, age 12-17 years (workpay_17)</b>
<b>Description</b>	During the past 12 months, did this child work for pay, including regular jobs as well as babysitting, cutting grass, or other occasional work?
<b>Survey Items Used</b>	Survey instrument item number for children 12-17 years: G4e Variable in public use data file: K7Q38
<b>Denominator</b>	Children age 12-17 years
<b>Numerator/Response Categories</b>	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. This question was asked for children between 6 and 17 years of age. However, the denominator of this measure is children 12-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE workpay_17 = K7Q38. IF SC_AGE_YEARS &lt; 12 workpay_17 = 90. VARIABLE LABELS workpay_17 "Indicator 5.8: Work for pay outside home, 12-17 years". VALUE LABELS workpay_17 1 "Worked for pay" 2 "Did not work for pay" 99 "Missing" 90 "Children age 0-11 years". MISSING VALUES workpay_17(90,99). FORMATS workpay_17(f4.0). EXECUTE. </pre>	

Indicator 5.9	Adult mentor, age 6-17 years (mentor_17)
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/Response Categories	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>	
This measure was derived from a single item. This question was asked for children between 6 and 17 years of age	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE mentor_17 = K9Q96. IF SC AGE YEARS &lt; 6 mentor_17 = 90. VARIABLE LABELS mentor_17 "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_17 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES mentor_17(90,99). FORMATS mentor_17(f4.0). EXECUTE. </pre>	

<b>Indicator 5.10</b>	<b>Healthy and ready to learn, 3-5 years (Under development)- 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>	Under development
<b>Numerator/Response Categories</b>	Under development
<b>Notes for Data-Users</b>	
This measure is under development. A peer reviewed manuscript on development of this measure is available <a href="#">here</a> .	
<b>Revisions</b>	
The survey items wording, and response options were changed for majority of items in 2017. An item asks about the child's ability to identify color was added. The question on whether the parents were asked to keep the child home from any child care or preschool because of behavior was dropped in 2017. More information about the changes is available in the " <a href="#">What's new and changed in the 2017 National Survey of Children's Health as compared to the 2016 NSCH</a> " on the DRC website.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE StartSchl_17 = STARTSCHOOL. IF SC_AGE_YEARS &gt; 5 StartSchl_17 = 90. IF SC_AGE_YEARS &lt; 3 StartSchl_17 = 95. VARIABLE LABELS StartSchl_17 "Children who started school including homeschooling, age 3-5 years". VALUE LABELS StartSchl_17 1 "Yes, preschool" 2 "Yes, kindergarten" 3 "Yes, first grade" 4 "No" 99"Missing" 95 "Children age 0-2 years" 90 "Children age 6-17 years". MISSING VALUES StartSchl_17(90,95,99).  COMPUTE LearnThings_17 = K6Q08_R. IF SC_AGE_YEARS &gt; 5 LearnThings_17 = 90. IF SC_AGE_YEARS &lt; 3 LearnThings_17 = 95. VARIABLE LABELS LearnThings_17 "Parental concern about child's learning to do things for him or herself, age 3-5 years". VALUE LABELS LearnThings_17 1 "Very concerned" 2 "Somewhat concerned" 3 "Not at all concerned" </pre>	

```

99"Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES LearnThings_17(90,95,99).

COMPUTE confident_17 = CONFIDENT.
IF SC AGE YEARS > 5 confident_17 = 90.
IF SC AGE YEARS < 3 confident_17 = 95.
VARIABLE LABELS confident_17 "Parent's confidence level for child's readiness to be in school, age 3-5 years".
VALUE LABELS confident_17
1 "Completely confident"
2 "Mostly confident"
3 "Somewhat confident"
4 "Not at all confident"
99"Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES confident_17(90,95,99).

COMPUTE RecogBegin_17 = RECOGBEGIN.
IF SC AGE YEARS > 5 RecogBegin_17 = 90.
IF SC AGE YEARS < 3 RecogBegin_17 = 95.
VARIABLE LABELS RecogBegin_17 "Ability to recognize beginning sound of a word, age 3-5 years".
VALUE LABELS RecogBegin_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99 "Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES RecogBegin_17(90,95,99).

COMPUTE RecogLetter_17 = RECOGABC.
IF SC AGE YEARS>5 RecogLetter_17 = 90.
IF SC AGE YEARS<3 RecogLetter_17 = 95.
VARIABLE LABELS RecogLetter_17 "Recognize letters of alphabet, age 3-5 years".
VALUE LABELS RecogLetter_17
1 "All of them"
2 "Most of them"
3 "About half of them"
4 "Some of them"
5 "None of them"
99"Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES RecogLetter_17(90,95,99).

COMPUTE RhymeWord_17 = RHYMEWORD.
IF SC AGE YEARS > 5 RhymeWord_17 = 90.

```

```

IF SC_AGE_YEARS < 3 RhymeWord_17 = 95.
VARIABLE LABELS RhymeWord_17 "Ability to rhyme words, age 3-5 years".
VALUE LABELS RhymeWord_17
1 "Yes"
2 "No"
99"Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES RhymeWord_17(90,95,99).

COMPUTE ClearExp_17 = CLEAREXP.
IF SC_AGE_YEARS>5 ClearExp_17 = 90.
IF SC_AGE_YEARS<3 ClearExp_17 = 95.
VARIABLE LABELS ClearExp_17 "Ability to explain things child has seen or done, age 3-5 years ".
VALUE LABELS ClearExp_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES ClearExp_17(90,95,99).

COMPUTE WriteName_17 = WRITENAME.
IF SC_AGE_YEARS > 5 WriteName_17 = 90.
IF SC_AGE_YEARS < 3 WriteName_17 = 95.
VARIABLE LABELS WriteName_17 "Ability to write his/her first name, age 3-5 years".
VALUE LABELS WriteName_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES WriteName_17(90,95,99).

RECODE COUNTTO
(1 thru 2=1) (3=2) (4=3) (5=4) (6=5) (SYSMIS=99) (else=copy) into CountTo_17 .
IF SC_AGE_YEARS>5 CountTo_17 = 90.
IF SC_AGE_YEARS<3 CountTo_17 = 95.
VARIABLE LABELS CountTo_17 "Child can count how high, age 3-5 years".
VALUE LABELS CountTo_17
1 "Not at all or can count 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\_17(90,95,99).

COMPUTE RecogShapes\_17 = RECSHAPES.  
IF SC\_AGE\_YEARS>5 RecogShapes\_17 = 90.  
IF SC\_AGE\_YEARS<3 RecogShapes\_17 = 95.  
VARIABLE LABELS RecogShapes\_17 "Child recognizes basic shapes, age 3-5 years".  
VALUE LABELS RecogShapes\_17  
1 "Always"  
2 "Most of the time"  
3 "About half the time"  
4 "Sometimes"  
5 "Never"  
99"Missing"  
90 "Children age 6-17 years"  
95 "Children age 0-2 years".  
MISSING VALUES RecogShapes\_17(90,95,99).

COMPUTE distracted\_17 = DISTRACTED.  
IF SC\_AGE\_YEARS > 5 distracted\_17 = 90.  
IF SC\_AGE\_YEARS < 3 distracted\_17 = 95.  
VARIABLE LABELS distracted\_17 "Child often easily distracted, 3-5 years".  
VALUE LABELS distracted\_17  
1 "Always"  
2 "Most of the time"  
3 "About half the time"  
4 "Sometimes"  
5 "Never"  
99"Missing"  
90 "Children age 6-17 years"  
95 "Children age 0-2 years".  
MISSING VALUES distracted\_17(90,95,99).

COMPUTE WorkToFin\_17 = WORKTOFIN.  
IF SC\_AGE\_YEARS > 5 WorkToFin\_17 = 90.  
IF SC\_AGE\_YEARS < 3 WorkToFin\_17 = 95.  
VARIABLE LABELS WorkToFin\_17 "Children often keeps working at something until he or she is finished, age 3-5 years".  
VALUE LABELS WorkToFin\_17  
1 "Always"  
2 "Most of the time"  
3 "About half the time"  
4 "Sometimes"  
5 "Never"  
99"Missing"  
90 "Children age 6-17 years"  
95 "Children age 0-2 years".  
MISSING VALUES WorkToFin\_17(90,95,99).

COMPUTE SimpleInst\_17 = SIMPLEINST.  
IF SC\_AGE\_YEARS > 5 SimpleInst\_17 = 90.

```

IF SC_AGE_YEARS < 3 SimpleInst_17 = 95.
VARIABLE LABELS SimpleInst_17 "Child often can follow instructions to complete a simple task, age 3-5 years".
VALUE LABELS SimpleInst_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES SimpleInst_17(90,95,99).

```

```

COMPUTE UsePencil_17 = USEPENCIL.
IF SC_AGE_YEARS>5 UsePencil_17 = 90.
IF SC_AGE_YEARS<3 UsePencil_17 = 95.
VARIABLE LABELS UsePencil_17 "How child holds pencil, age 3-5 years".
VALUE LABELS UsePencil_17
1 "Uses fingers to hold the pencil"
2 "Grips the pencil in his or her fist"
3 "This child cannot hold a pencil"
99 "Missing"
95 "Children age 0-2 years"
90 "Children age 6-17 years".
MISSING VALUES UsePencil_17(90,95,99).

```

```

COMPUTE PlayWell_17 = PLAYWELL.
IF SC_AGE_YEARS > 5 PlayWell_17 = 90.
IF SC_AGE_YEARS < 3 PlayWell_17 = 95.
VARIABLE LABELS PlayWell_17 "Child plays well with others, age 3-5 years".
VALUE LABELS PlayWell_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES PlayWell_17(90,95,99).

```

```

COMPUTE NewActivity_17 = NEWACTIVITY.
IF SC_AGE_YEARS > 5 NewActivity_17 = 90.
IF SC_AGE_YEARS < 3 NewActivity_17 = 95.
VARIABLE LABELS NewActivity_17 "Child becomes angry or anxious when going from one activity to another, age 3-5 years".
VALUE LABELS NewActivity_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"

```

```

5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES NewActivity_17(90,95,99).

```

```

COMPUTE HurtSad_17 = HURTSAD.
IF SC AGE YEARS > 5 HurtSad_17 = 90.
IF SC AGE YEARS < 3 HurtSad_17 = 95.
VARIABLE LABELS HurtSad_17 "Child shows concern when others are hurt or unhappy, age 3-5 years".
VALUE LABELS HurtSad_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES HurtSad_17(90,95,99).

```

```

COMPUTE CalmDown_17 = CALMDOWN.
IF SC AGE YEARS > 5 CalmDown_17 = 90.
IF SC AGE YEARS < 3 CalmDown_17 = 95.
VARIABLE LABELS CalmDown_17 "Child can calm down when excited or all wound up, age 3-5 years".
VALUE LABELS CalmDown_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES CalmDown_17(90,95,99).

```

```

COMPUTE temper_17 = TEMPER.
IF SC AGE YEARS > 5 temper_17 = 90.
IF SC AGE YEARS < 3 temper_17 = 95.
VARIABLE LABELS temper_17 "Child loses control of his or her temper when things do not go his or her way, age 3-5 years".
VALUE LABELS temper_17
1 "Always"
2 "Most of the time"
3 "About half the time"
4 "Sometimes"
5 "Never"
99"Missing"
90 "Children age 6-17 years"
95 "Children age 0-2 years".
MISSING VALUES temper_17(90,95,99).

```

```
COMPUTE MakeFr3to5_17 = MAKEFRIEND.  
IF SC AGE YEARS > 5 MakeFr3to5_17 = 90.  
IF SC AGE YEARS < 3 MakeFr3to5_17 = 95.  
VARIABLE LABELS MakeFr3to5_17 "Child has difficulty making and keeping friends".  
VALUE LABELS MakeFr3to5_17  
1 "No difficulty"  
2 "A little difficulty"  
3 "A lot of difficulty"  
90 "Children age 6-17 years"  
95 "Children age 0-2 years"  
99 "No valid response".  
MISSING VALUES MakeFr3to5_17(90,95,99).
```

```
COMPUTE SitStill1_17 = SITSTILL.  
IF SC AGE YEARS > 5 SitStill1_17 = 90.  
IF SC AGE YEARS < 3 SitStill1_17 = 95.  
VARIABLE LABELS SitStill1_17 "Child often able to sit still, age 3-5 years".  
VALUE LABELS SitStill1_17  
1 "Always"  
2 "Most of the time"  
3 "About half the time"  
4 "Sometimes"  
5 "Never"  
99"Missing"  
90 "Children age 6-17 years"  
95 "Children age 0-2 years".  
MISSING VALUES SitStill1_17(90,95,99).
```

```
COMPUTE color_17 = COLOR.  
IF SC AGE YEARS>5 color_17 = 90.  
IF SC AGE YEARS<3 color_17 = 95.  
VARIABLE LABELS color_17 "Child can identify colors red, yellow, blue, and green by name, age 3-5  
years".  
VALUE LABELS color_17  
1 "Yes, all of them"  
2 "Yes, some of them"  
3 "No, none of them"  
99 "Missing"  
90 "Children age 0-2 years"  
95 "Children age 6-17 years".  
MISSING VALUES color_17(90,95,99).
```

## Family Health and Activities

<b>Indicator 6.1</b>	<b>Physical health status of mother (MothPhyH_17)</b>
<b>Description</b>	If this child's mother lives in the household, in general, what is the mother's physical health status?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years who live with their biological, step, adoptive, or foster mother
<b>Numerator/Response Categories</b>	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 (A1_PHYSHEALTH and A2_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). Adult 1 (if mother) was chosen if both reported adults were mothers (biological, adoptive, step or foster). 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), those children were not included in the denominator.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE mother1_17=95. IF ((A1_RELATION = 1 or A1_RELATION = 2 or A1_RELATION = 4) and A1_SEX = 2) mother1_17=1. IF A1_RELATION = 99 or A1_SEX = 99 mother1_17=99. VARIABLE LABELS mother1_17 "Adult 1 is biological/adoptive, foster or step mother".  COMPUTE mother2_17=95. IF ((A2_RELATION = 1 or A2_RELATION = 2 or A2_RELATION = 4) and A2_SEX = 2) mother2_17=1. IF A2_RELATION = 99 or A2_SEX = 99 mother2_17=99. IF A2_RELATION =8 mother2_17=95. VARIABLE LABELS mother2_17 "Adult 2 is biological/adoptive, foster or step mother".  COMPUTE MothPhyH_17 = 95. DO IF mother1_17=1.   IF A1_PHYSHEALTH = 1 or A1_PHYSHEALTH = 2 MothPhyH_17 = 1.   IF A1_PHYSHEALTH = 3 MothPhyH_17 = 2.   IF A1_PHYSHEALTH = 4 or A1_PHYSHEALTH = 5 MothPhyH_17 = 3.   IF A1_PHYSHEALTH = 99 MothPhyH_17 = 99. </pre>	

```
END IF.  
DO IF ((mother1_17 =95 or mother1_17=99) and mother2_17=1).  
IF A2_PHYSHEALTH = 1 or A2_PHYSHEALTH = 2 MothPhyH_17 = 1.  
IF A2_PHYSHEALTH = 3 MothPhyH_17 = 2.  
IF A2_PHYSHEALTH = 4 or A2_PHYSHEALTH = 5 MothPhyH_17 = 3.  
IF A2_PHYSHEALTH = 99 MothPhyH_17 = 99.  
END IF.  
IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99) MothPhyH_17=99.  
VARIABLE LABELS MothPhyH_17 "Indicator 6.1: Physical health status of mother, children living with  
biological, adopted, step, or foster mother".  
VALUE LABELS MothPhyH_17  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No mother in the household".  
FORMATS MothPhyH_17 (f4.0).  
MISSING VALUES MothPhyH_17 (95,99).  
EXECUTE.
```

<b>Indicator 6.1a</b>	<b>Physical health status of father (FathPhyH_17)</b>
<b>Description</b>	If this child's father lives in the household, in general, what is the father's physical health status?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years who live with their biological, step, foster, or adoptive fathers
<b>Numerator/Response Categories</b>	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 (A1_PHYSHEALTH and A2_PHYSHEALTH) of the child's biological, adoptive, step or foster father (A#_RELATIONSHIP=1,2,4 and A#_SEX=1). The survey respondent rated the child's adult primary caregivers' physical health (A#_PHYSHEALTH). Adult 1 (if father) was chosen if both reported adults were fathers (biological, adoptive, step or foster). 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), those children were not included in the denominator.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE father1_17=95. IF ((A1_RELATION = 1 or A1_RELATION = 2 or A1_RELATION = 4) and A1_SEX = 1) father1_17=1. IF A1_RELATION = 99 or A1_SEX = 99 father1_17=99. VARIABLE LABELS father1_17 "Adult 1 is biological/adoptive, foster or step father".  COMPUTE father2_17=95. IF ((A2_RELATION = 1 or A2_RELATION = 2 or A2_RELATION = 4) and A2_SEX = 1) father2_17=1. IF A2_RELATION = 99 or A2_SEX = 99 father2_17=99. IF A2_RELATION =8 father2_17=95. VARIABLE LABELS father2_17 "Adult 2 is biological/adoptive, foster or step father".  COMPUTE FathPhyH_17 = 95. DO IF father1_17=1.   IF A1_PHYSHEALTH = 1 or A1_PHYSHEALTH = 2 FathPhyH_17 = 1.   IF A1_PHYSHEALTH = 3 FathPhyH_17 = 2.   IF A1_PHYSHEALTH = 4 or A1_PHYSHEALTH = 5 FathPhyH_17 = 3.   IF A1_PHYSHEALTH = 99 FathPhyH_17 = 99. </pre>	

```
END IF.  
DO IF ((father1_17 =95 or father1_17=99) and father2_17=1).  
  IF A2_PHYSHEALTH = 1 or A2_PHYSHEALTH = 2 FathPhyH_17 = 1.  
  IF A2_PHYSHEALTH = 3 FathPhyH_17 = 2.  
  IF A2_PHYSHEALTH = 4 or A2_PHYSHEALTH = 5 FathPhyH_17 = 3.  
  IF A2_PHYSHEALTH = 99 FathPhyH_17 = 99.  
END IF.  
IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99) FathPhyH_17=99.  
VARIABLE LABELS FathPhyH_17 "Indicator 6.1a: Physical health status of father, children living with  
biological, adopted, step, or foster father".  
VALUE LABELS FathPhyH_17  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No father in the household".  
FORMATS FathPhyH_17 (f4.0).  
MISSING VALUES FathPhyH_17 (95,99).  
EXECUTE.
```

Indicator 6.2	Mental health status of mother (MotherMH_17)
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/Response Categories	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). Adult 1 (if mother) was chosen if both reported adults were mothers (biological, adoptive, step or foster). 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), those children were not included in the denominator.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MotherMH_17 = 95. DO IF mother1_17=1.   IF A1_MENTHEALTH = 1 or A1_MENTHEALTH = 2 MotherMH_17 = 1.   IF A1_MENTHEALTH = 3 MotherMH_17 = 2.   IF A1_MENTHEALTH = 4 or A1_MENTHEALTH = 5 MotherMH_17 = 3.   IF A1_MENTHEALTH = 99 MotherMH_17 = 99. END IF. DO IF ((mother1_17 =95 or mother1_17=99) and mother2_17=1).   IF A2_MENTHEALTH = 1 or A2_MENTHEALTH = 2 MotherMH_17 = 1.   IF A2_MENTHEALTH = 3 MotherMH_17 = 2.   IF A2_MENTHEALTH = 4 or A2_MENTHEALTH = 5 MotherMH_17 = 3.   IF A2_MENTHEALTH = 99 MotherMH_17 = 99. END IF. IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99) MotherMH_17=99. VARIABLE LABELS MotherMH_17 "Indicator 6.2: Mental health status of mother, children living with biological, adopted, step, or foster mother". VALUE LABELS MotherMH_17 1 "Excellent or very good" 2 "Good"</pre>	

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

```
3 "Fair or poor"  
99 "Missing"  
95 "No mother in the household".  
FORMATS MotherMH_17 (f4.0).  
MISSING VALUES MotherMH_17 (95,99).  
EXECUTE.
```

<b>Indicator 6.2a</b>	<b>Mental health status of father (FatherMH_17)</b>
<b>Description</b>	If this child's father lives in the household, in general, what is the status of father's mental and emotional health?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children ages 0-17 years who live with their biological, step, foster or adoptive fathers
<b>Numerator/Response Categories</b>	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). Adult 1 (if father) was chosen if both reported adults were fathers (biological, adoptive, step or foster). 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), those children were not included in the denominator.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE FatherMH_17 = 95. DO IF father1_17=1.   IF A1_MENTHEALTH = 1 or A1_MENTHEALTH = 2 FatherMH_17 = 1.   IF A1_MENTHEALTH = 3 FatherMH_17 = 2.   IF A1_MENTHEALTH = 4 or A1_MENTHEALTH = 5 FatherMH_17 = 3.   IF A1_MENTHEALTH = 99 FatherMH_17 = 99. END IF. DO IF ((father1_17 =95 or father1_17=99) and father2_17=1).   IF A2_MENTHEALTH = 1 or A2_MENTHEALTH = 2 FatherMH_17 = 1.   IF A2_MENTHEALTH = 3 FatherMH_17 = 2.   IF A2_MENTHEALTH = 4 or A2_MENTHEALTH = 5 FatherMH_17 = 3.   IF A2_MENTHEALTH = 99 FatherMH_17 = 99. END IF. IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99) FatherMH_17=99. VARIABLE LABELS FatherMH_17 "Indicator 6.2a: Mental health status of father, children living with biological, adopted, step, or foster father". VALUE LABELS FatherMH_17 1 "Excellent or very good" 2 "Good" </pre>	

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

```
3 "Fair or poor"  
99 "Missing"  
95 "No father in the household".  
FORMATS FatherMH_17 (f4.0).  
MISSING VALUES FatherMH_17 (95,99).  
EXECUTE.
```

Indicator 6.3	Overall health status of mother (MotherHSt_17)
<b>Description</b>	If this child's mother lives in the household, are his/her mother's physical and mental health both excellent or very good?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years who live with their biological, step, adoptive, or foster mother
<b>Numerator/Responsible Categories</b>	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>	
<p>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 both be "Excellent" or "Very Good". Please keep in mind that approximately 7.5% of children in the survey were not currently living with a mother in the household or had missing responses to A_RELATION or A_SEX questions and are not included in the denominator. Adult 1 (if mother) was chosen if both reported adults were mothers (biological, adoptive, step or foster). 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), those children were not included in the denominator.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MotherHSt_17 = 999. IF MothPhyH_17 = 1 and MotherMH_17 = 1 MotherHSt_17 = 1. IF MothPhyH_17 = 1 and (MotherMH_17 = 2 or MotherMH_17 = 3) MotherHSt_17 = 2. IF (MothPhyH_17 = 2 or MothPhyH_17 = 3) and MotherMH_17 = 1 MotherHSt_17 = 2. IF (MothPhyH_17 = 2 or MothPhyH_17 = 3) and (MotherMH_17 = 2 or MotherMH_17 = 3) MotherHSt_17 = 2. IF MothPhyH_17 = 99 or MotherMH_17 = 99 MotherHSt_17 = 99. IF MothPhyH_17 = 95 or MotherMH_17 = 95 MotherHSt_17 = 95. VARIABLE LABELS MotherHSt_17 "Indicator 6.3: Mother's overall physical and mental-emotional health status, children living with biological, adopted, step, or foster mother". VALUE LABELS MotherHSt_17 1 "Physical &amp; mental health BOTH excellent or very good" 2 "One or both of physical &amp; mental health are NOT excellent/very good" 99 "Missing" 95 "No biological, adoptive, step or foster mother in household". </pre>	

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

MISSING VALUES MotherHSt\_17(95,99).

FORMATS MotherHSt\_17(f2.0).

EXECUTE.

<b>Indicator 6.3a</b>	<b>Overall health status of father (FatherHSt_17)</b>
<b>Description</b>	If this child's father lives in the household, are his/her father's physical and mental health both excellent or very good?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children ages 0-17 years who live with their biological, step, foster or adoptive fathers
<b>Numerator/Response Categories</b>	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 measures must be either "Excellent" or "Very Good". Please keep in mind that approximately 17.2% of children in the survey were not currently living with a father in the household or had missing responses to A#_RELATION or A#_SEX questions and are not included in the denominator. Adult 1 (if father) was chosen if both reported adults were fathers (biological, adoptive, step or foster). 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), those children were not included in the denominator.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE FatherHSt_17 = 999. IF FathPhyH_17 = 1 and FatherMH_17 = 1 FatherHSt_17 = 1. IF FathPhyH_17 = 1 and (FatherMH_17 = 2 or FatherMH_17 = 3) FatherHSt_17 = 2. IF (FathPhyH_17 = 2 or FathPhyH_17 = 3) and FatherMH_17 = 1 FatherHSt_17 = 2. IF (FathPhyH_17 = 2 or FathPhyH_17 = 3) and (FatherMH_17 = 2 or FatherMH_17 = 3) FatherHSt_17 = 2. IF FathPhyH_17 = 99 or FatherMH_17 = 99 FatherHSt_17 = 99. IF FathPhyH_17 = 95 or FatherMH_17 = 95 FatherHSt_17 = 95. VARIABLE LABELS FatherHSt_17 "Indicator 6.3: Father's overall physical and mental-emotional health status, children living with biological, adopted, step, or foster father". VALUE LABELS FatherHSt_17 1 "Physical &amp; mental health BOTH excellent or very good" 2 "One or both of physical &amp; mental health are NOT excellent/very good" 99 "Missing" 95 "No biological, adoptive, step or foster father in household". </pre>	

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

MISSING VALUES FatherHSt\_17(95,99).

FORMATS FatherHSt\_17(f2.0).

EXECUTE.

<b>Indicator 6.4</b>	<b>Someone living in the household smokes (smoking_17)</b>
<b>Description</b>	Does anyone living in this child's household use cigarettes, cigars, or pipe tobacco?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who live in households where someone smokes; Children who live in households where someone doesn't smoke
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
RECODE K9Q40 (1=1) (2=2) (99=99) into smoking_17. VARIABLE LABELS smoking_17 "Indicator 6.4: Children who live in households where someone uses cigarettes, cigars, or pipe tobacco". VALUE LABELS smoking_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES smoking_17(99). FORMATS smoking_17(f4.0). EXECUTE.	

<b>Indicator 6.4a</b>	<b>Someone smokes inside the home (SmkInside_17)</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/Response Categories</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
<b>Notes for Data-Users</b>	
The question "Does anyone smoke inside your home" was only asked of respondents who said "Yes" to "Does anyone living in your household use cigarettes, cigars, or pipe tobacco?" This measure shows the overall prevalence of both outcomes.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SmkInside_17 = 999. IF K9Q40 = 2 SmkInside_17 = 1. IF K9Q40 = 1 and K9Q41 = 2 SmkInside_17 = 2. IF K9Q40 = 1 and K9Q41 = 1 SmkInside_17 = 3. IF K9Q40=99 or K9Q41=99 SmkInside_17 = 99. VARIABLE LABELS SmkInside_17 "Indicator 6.4a: Someone smokes inside the home". VALUE LABELS SmkInside_17 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_17(99). FORMATS SmkInside_17(f4.0). EXECUTE. </pre>	

Indicator 6.5	Children living in "working poor" families (WrkngPoor_17)
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; FPL_I1 (derived)
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who do not live in a household that is classified 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 items: 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 and 2) the family poverty variable, povlev4_17, is calculated based on the relative poverty status according to household size and income. Households with income less than 100% of Federal Poverty Level are defined as "poor." 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_17).</p> <p>The 2017 NSCH public use data file provided by the Census Bureau includes all six imputed poverty level variables, FPL_I1-FPL_I6. Since the family income data had missing values for 16.03% 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 (FPL_I1).</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE work50hrs_17 = 2. IF A1_K11Q50_R = 1 or A2_K11Q50_R = 1 work50hrs_17 = 1. IF A1_K11Q50_R = 99 and (A2_K11Q50_R = 99 or A2_K11Q50_R =95) work50hrs_17 = 99. VARIABLE LABELS work50hrs_17 "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_17 1 "Yes" 2 "No" 99 "Missing".  COMPUTE WrkngPoor_17 = 999. IF (povlev4_17 &gt;1 and povlev4_17 &lt;=4) and (work50hrs_17 = 1 or work50hrs_17 = 2) WrkngPoor_17 = 2. IF povlev4_17 = 1 and work50hrs_17 = 2 WrkngPoor_17 = 2. IF povlev4_17 = 1 and work50hrs_17 = 1 WrkngPoor_17 = 1. IF work50hrs_17 = 99 WrkngPoor_17 = 99. VARIABLE LABELS WrkngPoor_17 "Indicator 6.5: Children live in working poor households--parents employed full-time with income less than 100% FPL". </pre>	

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

```
VALUE LABELS WrkngPoor_17
1 "Live in 'working poor' household"
2 "Do not live in 'working poor' household"
99 "Missing".
MISSING VALUES WrkngPoor_17(99).
FORMATS WrkngPoor_17(f4.0).
EXECUTE.
```

<b>Indicator 6.6</b>	<b>Family shares ideas, age 6-17 years (Shareldeas_17)</b>
<b>Description</b>	How well can you and this child share ideas or talk about things that really matter?
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: H8; for children 12-17 years: H8 Variable in public use data file: K8Q21
<b>Denominator</b>	Children age 6-17 years
<b>Numerator/Response Categories</b>	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>	
Please note that results for this question are weighted to reflect the population of children ages 6-17, not the population of parents. Results should be reported as: "Percent of children ages 6-17 who share ideas or talk very well with their parents", not as "Percent of parents...".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K8Q21 (1=1) (2=2) (3 thru 4=3) (99=99) into Shareldeas_17. IF SC_AGE_YEARS &lt; 6 Shareldeas_17 = 90. VARIABLE LABELS Shareldeas_17 "Indicator 6.6: Parents and children sharing ideas or talk about things that really matter, age 6-17 years". VALUE LABELS Shareldeas_17 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_17(90,99). FORMATS Shareldeas_17(f2.0). EXECUTE. </pre>	

<b>Indicator 6.7</b>	<b>Family reads to children, age 0-5 years (readto_17)</b>
<b>Description</b>	During the past week, how many days did you or other family members read to this child?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: H9 Variable in public use data file: K6Q60_R
<b>Denominator</b>	Children age 0-5 years
<b>Numerator/Response Categories</b>	Children whose family members read to children 0 days out of the week; Children whose family members read to children 1-3 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>	
This measure was derived from a single item. Important note: results for this question are weighted to reflect the population of children ages 0-5, not the population of parents. Results should be reported as: "Percent of children ages 0-5 whose parents or family members read to them every day", not as "Percent of parents...".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE readto_17 = K6Q60_R. IF SC_AGE_YEARS &gt; 5 readto_17 = 90. VARIABLE LABELS readto_17 "Indicator 6.7: Number of days children were read aloud to during the past week, age 0-5 years". VALUE LABELS readto_17 1 "No days" 2 "1-3 days" 3 "4-6 days" 4 "Every day" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES readto_17(90,99). FORMATS readto_17(f2.0). EXECUTE. </pre>	

<b>Indicator 6.8</b>	<b>Family sings and tells stories to children, age 0-5 years (SingStory_17)</b>
<b>Description</b>	During the past week, how many days did you or other family members tell stories or sing songs to this child?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: H10 Variable in public use data file: K6Q61_R
<b>Denominator</b>	Children age 0-5 years
<b>Numerator/Response Categories</b>	Children whose family members sing or tell stories to children 0 days out of the week; Children whose family members sing or tell stories to children 1-3 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>	
This measure was derived from a single item. Important note: results for this question are weighted to reflect the population of children ages 0-5, not the population of parents. Results should be reported as: "Percent of children ages 0-5 whose parents or family members read to them every day", not as "Percent of parents...".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SingStory_17 = K6Q61_R. IF SC_AGE_YEARS &gt; 5 SingStory_17 = 90. VARIABLE LABELS SingStory_17 "Indicator 6.8: Number of days children were sung to or told stories to during past week, age 0-5 years". VALUE LABELS SingStory_17 1 "No days" 2 "1-3 days" 3 "4-6 days" 4 "Every day" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES SingStory_17(90,99). FORMATS SingStory_17(f2.0). EXECUTE. </pre>	

<b>Indicator 6.9</b>	<b>Family eats meal together (MealTogether_17)</b>
<b>Description</b>	During the past week, on how many days did all the family members who live in the household eat a meal together?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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>	
Please note that results for this question are weighted to reflect the population of children ages 0-17, not the population of parents or families. Results should be reported as: "Percent of children whose family eats meals together every day", not as "Percent of families...".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<p>RECODE K8Q11  (1=0) (2=1) (3=2) (4=3) (99=99) into MealTogether_17.  VARIABLE LABELS MealTogether_17 "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_17  0 "No days"  1 "1-3 days"  2 "4-6 days"  3 "Every day"  99 "Missing".  MISSING VALUES MealTogether_17(99).  FORMATS MealTogether_17(f4.0).  EXECUTE.</p>	

Indicator 6.10	Time spent watching TV or playing video games (TVwatch_17)
<b>Description</b>	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?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who do not watch TV; Children who watch TV 1 hour or less per day; Children who watch TV 1 hour per day; Children who watch TV 2-3 hours per day; Children who watch TV 4 hours or more per day
<b>Notes for Data-Users</b>	
This measure was derived from a single survey item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q60_R (1=0) (2=1) (3=2) (4 thru 5=3) (6=4) (99=99) into TVwatch_17. VARIABLE LABELS TVwatch_17 "Indicator 6.10: Time spent on average weekday watching TV, videos, or playing video games". VALUE LABELS TVwatch_17 0 "Do not watch TV" 1 "Watch TV less than 1 hour per day" 2 "Watch TV 1 hour per day" 3 "Watch TV 2-3 hours per day" 4 "Watch TV 4 hours or more per day" 99 "Missing". MISSING VALUES TVwatch_17(99). FORMATS TVwatch_17(f2.0). EXECUTE. </pre>	

<b>Indicator 6.11</b>	<b>Time spent with a computer, cell phone, electronic device (CompElDev_17)</b>
<b>Description</b>	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?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who do not use electronic devices; Children who use electronic devices 1 hour or less per day; Children who use electronic devices 1 hour per day; Children who use electronic devices 2-3 hours per day; Children who use electronic devices 4 hours or more per day
<b>Notes for Data-Users</b>	
This measure was derived from a single survey item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
RECODE K7Q91_R (1=0) (2=1) (3=2) (4 thru 5=3) (6=4) (99=99) into CompElDev_17. VARIABLE LABELS CompElDev_17 "Indicator 6.11: Time spent with computers, cell phones, handheld video games and other electronic devices doing things other than schoolwork on an average weekday". VALUE LABELS CompElDev_17 0 "Do not use electronic devices" 1 "Use electronic devices less than 1 hour per day" 2 "Use electronic devices 1 hour per day" 3 "Use electronic devices 2-3 hours per day" 4 "Use electronic devices 4 hours or more per day" 99 "Missing". MISSING VALUES CompElDev_17(99). FORMATS CompElDev_17(f2.0). EXECUTE.	

Indicator 6.12	Family resilience (FamResilience_17)
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 age 0-5 years: I6a-d; for children age 6-11 years: I6a-d; for children age 12-17 years: I6a-d Variable in public use data file: TALKABOUT; WKTOSOLVE; STRENGTHS; HOPEFUL
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who live in a family that met 0-1 family resilience items; Children who live in a family that met 2-3 family resilience items; Children who live in a family that met all 4 family resilience items
<b>Notes for Data-Users</b>	
This is a 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, a response of either most of the time or all of the time was required.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE TALKABOUT (1=1) (2=2) (3 thru 4 = 3) (99=99) into TalkAbout_17. VARIABLE LABELS TalkAbout_17 "Talk together about what to do when the family faces problems". VALUE LABELS TalkAbout_17 1 "All of the time" 2 "Most of the time" 3 "Some/None of the time" 99 "Missing". MISSING VALUES TalkAbout_17(99). FORMATS TalkAbout_17(f4.0). EXECUTE.  RECODE WKTOSOLVE (1=1) (2=2) (3 thru 4 = 3) (99=99) into WrkToSolve_17. VARIABLE LABELS WrkToSolve_17 "Work together to solve the problem when your family faces problems". VALUE LABELS WrkToSolve_17 1 "All of the time" 2 "Most of the time" 3 "Some/None of the time" 99 "Missing". </pre>	

MISSING VALUES WrkToSolve\_17(99).  
FORMATS WrkToSolve\_17(f4.0).  
EXECUTE.

RECODE STRENGTHS

(1=1) (2=2) (3 thru 4 = 3) (99=99) into strengths\_17.

VARIABLE LABELS strengths\_17 "Know we have strengths to draw on when the family faces problems".

VALUE LABELS strengths\_17

1 "All of the time"

2 "Most of the time"

3 "Some/None of the time"

99 "Missing".

MISSING VALUES strengths\_17(99).

FORMATS strengths\_17(f4.0).

EXECUTE.

RECODE HOPEFUL

(1=1) (2=2) (3 thru 4 = 3) (99=99) into hopeful\_17.

VARIABLE LABELS hopeful\_17 "Stay hopeful even in difficult times when the family faces problems".

VALUE LABELS hopeful\_17

1 "All of the time"

2 "Most of the time"

3 "Some/None of the time"

99 "Missing".

MISSING VALUES hopeful\_17(99).

FORMATS hopeful\_17(f4.0).

EXECUTE.

MISSING VALUES TalkAbout\_17 WrkToSolve\_17 strengths\_17 hopeful\_17().

COUNT CtFamRes\_17 = TalkAbout\_17 WrkToSolve\_17 strengths\_17 hopeful\_17(1,2).

IF TalkAbout\_17 = 99 and WrkToSolve\_17 = 99 and strengths\_17 =99 and hopeful\_17 = 99 CtFamRes\_17 = 99.

VARIABLE LABELS CtFamRes\_17 "Count of all of time and most of time responses".

COMPUTE FamResilience\_17 = 999.

IF CtFamRes\_17 <= 1 FamResilience\_17 = 1.

IF CtFamRes\_17 = 2 or CTFamRes\_17 = 3 FamResilience\_17 = 2.

IF CtFamRes\_17 = 4 FamResilience\_17 = 3.

IF CtFamRes\_17 = 99 FamResilience\_17 = 99.

VARIABLE LABELS FamResilience\_17 "Indicator 6.12: Family flourishing composite measure".

VALUE LABELS FamResilience\_17

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\_17(99).

FORMATS FamResilience\_17(f4.0).

EXECUTE.

<b>Indicator 6.13</b>	<b>Adverse childhood experiences (ACE2more_17)</b>
<b>Description</b>	Has this child experienced one or more adverse childhood experiences from the list of 9 ACEs?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: I7;I12a-h; for children 6-11 years: I7;I13a-h; for children 12-17 years: I7;I13a-h Variable name in public use data file: ACE1; ACE3; ACE4; ACE5; ACE6; ACE7; ACE8; ACE9; ACE10
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 2017 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 with 'Yes/No' response options.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ACEincome_17 = ACE1. VARIABLE LABELS ACEincome_17 "Adverse childhood experience: hard to get by on family's income - hard to cover basics like food or housing". VALUE LABELS ACEincome_17 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_17(99). FORMATS ACEincome_17(f4.0). EXECUTE.  *Recode of ACEincome_17 to allow for count of children experiencing Adverse Family Experiences  COMPUTE ACEincome2_17 = 999. IF ACE1 = 3 or ACE1 = 4 ACEincome2_17 = 1. IF ACE1 = 1 or ACE1 = 2 ACEincome2_17 = 2. IF ACE1 = 99 ACEincome2_17 = 99. </pre>	

VARIABLE LABELS ACEincome2\_17 "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\_17

1 "Somewhat often/Very often hard to get by on family income"

2 "Never/Rarely hard to get by on family income"

99 "Missing".

COMPUTE ACEdivorce\_17 = ACE3.

VARIABLE LABELS ACEdivorce\_17 "Adverse childhood experience: parent or guardian divorced or separated".

VALUE LABELS ACEdivorce\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEdivorce\_17(99).

FORMATS ACEdivorce\_17(f4.0).

EXECUTE.

COMPUTE ACEdeath\_17 = ACE4.

VARIABLE LABELS ACEdeath\_17 "Adverse childhood experience: parent or guardian died".

VALUE LABELS ACEdeath\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEdeath\_17(99).

FORMATS ACEdeath\_17(f4.0).

EXECUTE.

COMPUTE ACEjail\_17 = ACE5.

VARIABLE LABELS ACEjail\_17 "Adverse childhood experience: parent or guardian served time in jail".

VALUE LABELS ACEjail\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEjail\_17(99).

FORMATS ACEjail\_17(f4.0).

EXECUTE.

COMPUTE ACEdomviol\_17 = ACE6.

VARIABLE LABELS ACEdomviol\_17 "Adverse childhood experience: saw or heard parents or adults slap, hit, kick, punch one another in the home".

VALUE LABELS ACEdomviol\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEdomviol\_17(99).

FORMATS ACEdomviol\_17(f4.0).

EXECUTE.

RECODE ACE7

(99=99) (else=copy) into ACEneghviol\_17.

VARIABLE LABELS ACEneghviol\_17 "Adverse childhood experience: victim/witness of neighborhood violence".

VALUE LABELS ACEneghviol\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEneighviol\_17(99).

FORMATS ACEneighviol\_17(f4.0).

EXECUTE.

RECODE ACE8

(99=99) (else=copy) into ACEmhealth\_17.

VARIABLE LABELS ACEmhealth\_17 "Adverse childhood experience: lived with anyone who was mentally ill, suicidal, or severely depressed".

VALUE LABELS ACEmhealth\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEmhealth\_17(99).

FORMATS ACEmhealth\_17(f4.0).

EXECUTE.

COMPUTE ACEdrug\_17 = ACE9.

VARIABLE LABELS ACEdrug\_17 "Adverse childhood experience: lived with anyone who had a problem with alcohol or drug".

VALUE LABELS ACEdrug\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEdrug\_17(99).

FORMATS ACEdrug\_17(f4.0).

EXECUTE.

COMPUTE ACEdiscrim\_17 = ACE10.

VARIABLE LABELS ACEdiscrim\_17 "Adverse childhood experience: treated or judged unfairly because of his/her race or ethnic group".

VALUE LABELS ACEdiscrim\_17

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEdiscrim\_17(99).

FORMATS ACEdiscrim\_17(f4.0).

EXECUTE.

MISSING VALUES ACEincome2\_17 ACEdivorce\_17 ACEdeath\_17 ACEjail\_17 ACEdomviol\_17

ACEneighviol\_17 ACEmhealth\_17 ACEdrug\_17 ACEdiscrim\_17().

COUNT ACEct\_17 = ACEincome2\_17 ACEdivorce\_17 ACEdeath\_17 ACEjail\_17 ACEdomviol\_17  
ACEneighviol\_17 ACEmhealth\_17 ACEdrug\_17 ACEdiscrim\_17(1).

IF ACEincome2\_17 = 99 and ACEdivorce\_17 = 99 and ACEdeath\_17 = 99 and ACEjail\_17 = 99 and  
ACEdomviol\_17 = 99 and

ACEneighviol\_17 = 99 and ACEmhealth\_17 = 99 and ACEdrug\_17 = 99 and ACEdiscrim\_17 = 99  
ACEct\_17 = 99.

VARIABLE LABELS ACEct\_17 "Number of adverse childhood experiences, of 9 asked about".

VALUE LABELS ACEct\_17

0 "No adverse childhood experiences"

99 "Missing to all 9 items".

RECODE ACEct\_17

(0=1) (1=2) (2 thru 9 =3) (99=99) into ACE2more\_17.

VARIABLE LABELS ACE2more\_17 "Indicator 6.13: Children experienced two or more adverse childhood experiences".

VALUE LABELS ACE2more\_17

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

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\_17(99).  
FORMATS ACE2more\_17(f4.0).  
EXECUTE.

<b>Indicator 6.14</b>	<b>Parental aggravation (ParAggrav_17)</b>
<b>Description</b>	Does this child have parents who felt aggravated by parenting during the past month?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 feel aggravated from parenting", not as "Percent of parents...".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
RECODE K8Q31 (1=1) (2=2) (3=3) (4 thru 5 = 4) (99=99) into DiffCare_17. VARIABLE LABELS DiffCare_17 "Parent felt child is much harder to care for than most children during the past month". VALUE LABELS DiffCare_17 1 "Never" 2 "Rarely" 3 "Sometimes" 4 "Usually or always" 99 "Missing". MISSING VALUES DiffCare_17(99). FORMATS DiffCare_17(f4.0). EXECUTE.  RECODE K8Q32 (1=1) (2=2) (3=3) (4 thru 5 = 4) (99=99) into bother_17. VARIABLE LABELS bother_17 "Parent felt child does things that bother them during the past month". VALUE LABELS bother_17 1 "Never" 2 "Rarely" 3 "Sometimes" 4 "Usually or always"	

```
99 "Missing".
MISSING VALUES bother_17(99).
FORMATS bother_17(f4.0).
EXECUTE.

RECODE K8Q34
(1=1) (2=2) (3=3) (4 thru 5 = 4) (99=99) into angry_17.
VARIABLE LABELS angry_17 "Parent felt angry with child during the past month".
VALUE LABELS angry_17
1 "Never"
2 "Rarely"
3 "Sometimes"
4 "Usually or always"
99 "Missing".
MISSING VALUES angry_17(99).
FORMATS angry_17(f4.0).
EXECUTE.

MISSING VALUES DiffCare_17 bother_17 angry_17().

COUNT ParAgg_ct = DiffCare_17 bother_17 angry_17(4).
IF DiffCare_17=99 and bother_17=99 and angry_17=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_17 = 999.
IF ParAgg_ct >= 1 ParAggrav_17 = 1.
IF ParAgg_ct = 0 ParAggrav_17 = 2.
IF ParAgg_ct = 99 ParAggrav_17 = 99.
VARIABLE LABELS ParAggrav_17 "Indicator 6.14: Children whose parents who felt stress from parenting during the past month".
VALUE LABELS ParAggrav_17
1 "Parent usually/always feels aggravation from parenting"
2 "Parent seldom feels aggravation from parenting"
99 "Missing to all 3 items".
MISSING VALUES ParAggrav_17(99).
FORMATS ParAggrav_17(f4.0).
EXECUTE.
```

<b>Indicator 6.15</b>	<b>Emotional help with parenthood (EmSupport_17)</b>
<b>Description</b>	During the past 12 months, was there someone that you could turn to for day-to-day emotional support with parenting or raising children?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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>	
<p>This measure was derived from a single item.</p> <p>Please note that results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. Results should be reported as: "Percent of children ages 0-17 living with parents who have someone to turn to for day-to-day emotional support with parenting or raising children", not as "Percent of parents...".</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE EmSupport_17 = K8Q35. VARIABLE LABELS EmSupport_17 "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_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES EmSupport_17(99). FORMATS EmSupport_17(f4.0). EXECUTE.  *People get emotional support from* COMPUTE EmSSpouse_17 = EMOSUPSPPO. IF K8Q35 = 2 EmSSpouse_17 = 3. VARIABLE LABELS EmSSpouse_17 "Children whose parents had day-to-day emotional support with parenting or raising children from their spouse". VALUE LABELS EmSSpouse_17 1 "Received emotional support from spouse" 2 "Received emotional support, but not from spouse" 3 "Did not receive emotional support in the past 12 months" 99 "Missing". MISSING VALUES EmSSpouse_17(99). </pre>	

FORMATS EmSSpouse\_17(f4.0).  
EXECUTE.

COMPUTE EmSFamily\_17 = EMOSUPFAM.  
IF K8Q35 = 2 EmSFamily\_17 = 3.  
VARIABLE LABELS EmSFamily\_17 "Children whose parents received day-to-day emotional support with parenting or raising children from other family member or close friend".  
VALUE LABELS EmSFamily\_17  
1 "Received emotional support from other family member or close friend"  
2 "Received emotional support, but not from other family member or close friend"  
3 "Did not receive emotional support in the past 12 months"  
99 "Missing".  
MISSING VALUES EmSFamily\_17(99).  
FORMATS EmSFamily\_17(f4.0).  
EXECUTE.

COMPUTE EmSProvider\_17 = EMOSUPHCP.  
IF K8Q35 = 2 EmSProvider\_17 = 3.  
VARIABLE LABELS EmSProvider\_17 "Children whose parents received day-to-day emotional support with parenting or raising children from health care provider".  
VALUE LABELS EmSProvider\_17  
1 "Received emotional support from a health care provider"  
2 "Received emotional support, but not from a health care provider"  
3 "Did not receive emotional support in the past 12 months"  
99 "Missing".  
MISSING VALUES EmSProvider\_17(99).  
FORMATS EmSProvider\_17(f4.0).  
EXECUTE.

COMPUTE EmSWorship\_17 = EMOSUPWOR.  
IF K8Q35 = 2 EmSWorship\_17 = 3.  
VARIABLE LABELS EmSWorship\_17 "Children whose parents received day-to-day emotional support with parenting or raising children from place of worship or religious leader".  
VALUE LABELS EmSWorship\_17  
1 "Received emotional support from a place of worship"  
2 "Received emotional support, but not from a place of worship"  
3 "Did not receive emotional support in the past 12 months"  
99 "Missing".  
MISSING VALUES EmSWorship\_17(99).  
FORMATS EmSWorship\_17(f4.0).  
EXECUTE.

COMPUTE EmSSupGrp\_17 = EMOSUPADV.  
IF K8Q35 = 2 EmSSupGrp\_17 = 3.  
VARIABLE LABELS EmSSupGrp\_17 "Children whose parents received day-to-day emotional support with parenting or raising children from support or advocacy group related to specific health condition".  
VALUE LABELS EmSSupGrp\_17  
1 "Received emotional support from advocacy or support group"  
2 "Received emotional support, but not from advocacy or support group"  
3 "Did not receive emotional support in the past 12 months"  
99 "Missing".  
MISSING VALUES EmSSupGrp\_17(99).  
FORMATS EmSSupGrp\_17(f4.0).  
EXECUTE.

COMPUTE EmSPeer\_17 = EMOSUPPEER.  
IF K8Q35 = 2 EmSPeer\_17 = 3.

VARIABLE LABELS EmSPeer\_17 "Children whose parents received day-to-day emotional support with parenting or raising children from peer support group".

VALUE LABELS EmSPeer\_17

1 "Received emotional support from a peer group"

2 "Received emotional support, but not from a peer group"

3 "Did not receive emotional support in the past 12 months"

99 "Missing".

MISSING VALUES EmSPeer\_17(99).

FORMATS EmSPeer\_17(f4.0).

EXECUTE.

COMPUTE EmSMental\_17 = EMOSUPMHP.

IF K8Q35 = 2 EmSMental\_17 = 3.

VARIABLE LABELS EmSMental\_17 "Children whose parents received day-to-day emotional support with parenting or raising children from counselor or other mental health professional".

VALUE LABELS EmSMental\_17

1 "Received emotional support from a mental health professional"

2 "Received emotional support, but not from a mental health professional"

3 "Did not receive emotional support in the past 12 months"

99 "Missing".

MISSING VALUES EmSMental\_17(99).

FORMATS EmSMental\_17(f4.0).

EXECUTE.

COMPUTE EmSOOther\_17 = EMOSUPOTH.

IF K8Q35 = 2 EmSOOther\_17 = 3.

VARIABLE LABELS EmSOOther\_17 "Children whose parents received day-to-day emotional support with parenting or raising children from other people".

VALUE LABELS EmSOOther\_17

1 "Received emotional support from other people"

2 "Received emotional support, but not from other people"

3 "Did not receive emotional support in the past 12 months"

99 "Missing".

MISSING VALUES EmSOOther\_17(99).

FORMATS EmSOOther\_17(f4.0).

EXECUTE.

<b>Indicator 6.16</b>	<b>Coping with daily demands of raising children (ParCoping_17)</b>
<b>Description</b>	How well do you think you are handling the day-to-day demands of raising children?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 well; Children whose parents are coping with day-to-day demands of raising children not very well or not very well at all
<b>Notes for Data-Users</b>	
Please note that results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. Results should be reported as: "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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
RECODE K8Q30 (1=1) (2=2) (3 thru 4=3) (99=99) into ParCoping_17. VARIABLE LABELS ParCoping_17 "Indicator 6.16: Coping with day-to-day demands of raising children". VALUE LABELS ParCoping_17 1 "Very well" 2 "Somewhat well" 3 "Not very well or Not very well at all" 99 "Missing". MISSING VALUES ParCoping_17(99). FORMATS ParCoping_17(f2.0). EXECUTE.	

Indicator 6.17	Job change due to problems with child care, age 0-5 years (JobChange_17)
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/Response Categories	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>	
This measure was derived from a single item. Important note: results for this question are weighted to reflect the population of children ages 0-5, not the population of parents. Results should be reported as: "Percent of children ages 0-5 living with parents who had a job change due to problems with child care", not as "Percent of parents...".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE JobChange_17 = K6Q27. IF SC_AGE_YEARS &gt; 5 JobChange_17 = 90. VARIABLE LABELS JobChange_17 "Indicator 6.17: Job change because problems with child care, age 0-5 years". VALUE LABELS JobChange_17 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES JobChange_17(90,99). FORMATS JobChange_17(f4.0). EXECUTE. </pre>	

<b>Indicator 6.18</b>	<b>Stopped working and cut back hours due to child's health (StopCutWork_17)</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/Response Categories</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>	
<p>This measure combines the concepts of family members "cutting down on hours worked" (CUTHOURS) and/or "stopping work" altogether because of their children's health and health conditions (STOPWORK). To be included in the numerator of this measure, the child may have a "Yes" response to either STOPWORK, CUTHOURS, or both.</p> <p>Important note: results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. Results should be reported as: "Percent of children ages 0-17 living with parents who had to stop working or cut back hours due to child's health", not as "Percent of parents...".</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE StopCutWork_17 = 999. IF STOPWORK = 2 or CUTHOURS = 2 StopCutWork_17 = 2. IF STOPWORK = 1 or CUTHOURS = 1 StopCutWork_17 = 1. IF STOPWORK=99 and CUTHOURS=99 StopCutWork_17 = 99. VARIABLE LABELS StopCutWork_17 "Indicator 6.18: Family members stopped working or reduced work hours due to child's health". VALUE LABELS StopCutWork_17 1 "Family member cut back hours or stopped working or both" 2 "Employment not affected" 99 "Missing to both". MISSING VALUES StopCutWork_17(99). FORMATS StopCutWork_17(f4.0). EXECUTE. </pre>	

<b>Indicator 6.19</b>	<b>Avoided changing jobs to maintain insurance (AvoidChng_17)</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/Response Categories</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>	
This measure was derived from a single item. Important note: results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. Results should be reported as: "Percent of children ages 0-17 living with parents who avoided changing jobs to maintain insurance", not as "Percent of parents...".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE AvoidChng_17 = AVOIDCHG. VARIABLE LABELS AvoidChng_17 "Indicator 6.19: Children whose family member(s) avoided changing jobs because of concerns about maintaining health insurance". VALUE LABELS AvoidChng_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES AvoidChng_17(99). FORMATS AvoidChng_17(f4.0). EXECUTE. </pre>	

<b>Indicator 6.20a</b>	<b>Time spent providing at home health care (HomeCare_17)</b>
<b>Description</b>	In an average week, how many hours do you or other family members spend providing health care at home for this child?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years who needed at home care
<b>Numerator/Response Categories</b>	Children whose families did not provide health care at home for this child 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 for this child; Children whose family members spend 5-10 hours per week providing health care at home for this child; 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>	
<p>This measure was derived from a single item. This survey question defines "home health care" as care that might include such as changing bandages, and providing medication and therapies when needed.</p> <p>Important note: results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. Results should be reported as: "Percent of children whose family members spend [less than 1 hour] per week providing health care at home for this child ", not as "Percent of families...".</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE ATHOMEHC (6=95) (else=copy) into HomeCare_17 . VARIABLE LABELS HomeCare_17 "Indicator 6.20a: Time spent providing health care for child in an average week". VALUE LABELS HomeCare_17 1 "No at home care was provided" 2 "Less than 1 hour per week" 3 "1-4 hours per week" 4 "5-10 hours per week" 5 "11 or more hours per week" 95 "Do not need health care provided on a weekly basis" 99 "Missing". MISSING VALUES HomeCare_17(95,99). FORMATS HomeCare_17(f4.0). EXECUTE. </pre>	

<b>Indicator 6.20b Time spent coordinating health care (TimeCoord_17)</b>	
<b>Description</b>	In an average week, how many hours do you or other family members spend arranging or coordinating health or medical care for this child?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 year who needed care coordination
<b>Numerator/Response Categories</b>	Children who did not receive 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 5-10 hours per week coordinating health care; Children whose family members spend 11 or more hours per week coordinating health care
<b>Notes for Data-Users</b>	
<p>This measure was derived from a single item. This survey question defines "arranging or coordinating health care" as making appointments and locating services.</p> <p>Important note: results for this question are weighted to reflect the population of children ages 0-17, not the population of parents. Results should be reported as: "Percent of children whose family members spend [less than 1 hour] per week coordinating health care ", not as "Percent of families...".</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE ARRANGEHC (6=95) (else=copy) into TimeCoord_17 . VARIABLE LABELS TimeCoord_17 "Indicator 6.20b: Time spent coordinating health care for child in an average week". VALUE LABELS TimeCoord_17 1 "No health or medical care was arranged or coordinated" 2 "Less than 1 hour per week" 3 "1-4 hours per week" 4 "5-10 hours per week" 5 "11 or more hours per week" 95 "Do not need health care provided on a weekly basis" 99 "Missing". MISSING VALUES TimeCoord_17(95,99). FORMATS TimeCoord_17(f4.0). EXECUTE. </pre>	

<b>Indicator 6.21</b>	<b>Received child care from others at least 10 hours/week, age 0-5 years (Care10hrs_17)</b>
<b>Description</b>	Does this child receive care for at least 10 hours per week from someone other than his or her parent or guardian?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: H15 Variable name in public use data file: K6Q20
<b>Denominator</b>	Children age 0-5 years
<b>Numerator/Response Categories</b>	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>	
This measure was derived from a single item. Care received from was defined as a day care center, preschool, Head Start program, nanny, au pair, or any other non-relative.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE Care10hrs_17 = K6Q20. IF SC_AGE_YEARS &gt; 5 Care10hrs_17 = 90. VARIABLE LABELS Care10hrs_17 "Indicator 6.21: Received care from others at least 10 hours per week, age 0-5 years". VALUE LABELS Care10hrs_17 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES Care10hrs_17(90,99). FORMATS Care10hrs_17(f4.0). EXECUTE. </pre>	

<b>Indicator 6.22</b>	<b>Sleep position, age 0-12 months (SleepPos_17)</b>
<b>Description</b>	In which position do you most often lay this baby down to sleep now?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: H6 Variable in public use data file: SLEEPPOS
<b>Denominator</b>	Children age <1 year
<b>Numerator/Response Categories</b>	Children who sleep on their back; Children sleep on their side; Children sleep on their 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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE SLEEPPOS (1=2) (2=1) (else=copy) into SleepPos_17. IF SC_AGE_YEARS &gt;= 1 SleepPos_17 = 90. VARIABLE LABELS SleepPos_17 "Indicator 6.22: Sleep position, age less than 12 month ". VALUE LABELS SleepPos_17 1 "On his or her back" 2 "On his or her side" 3 "On his or her stomach" 90 "Children age 1-17 years" 99 "Missing". MISSING VALUES SleepPos_17(90,95,99). FORMATS SleepPos_17(f2.0). EXECUTE. </pre>	

<b>Indicator 6.24</b>	<b>Child goes to bed same time on weeknights (BedTime_17)</b>
<b>Description</b>	How often does this child go to bed at about the same time on weeknights?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 or never go to bed at the same time on weeknights
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BedTime_17 = 999. IF BEDTIME = 1 BedTime_17 = 1. IF BEDTIME = 2 BedTime_17 = 2. IF BEDTIME = 3 BedTime_17 = 3. IF BEDTIME = 4 or BEDTIME = 5 BedTime_17 = 4. IF BEDTIME = 99 BedTime_17 = 99. VARIABLE LABELS BedTime_17 "Indicator 6.24: Go to bed at the same time on weeknights". VALUE LABELS BedTime_17 1 "Always" 2 "Usually" 3 "Sometimes" 4 "Rarely or never" 99 "Missing". MISSING VALUES BedTime_17(99). FORMATS BedTime_17(f2.0). EXECUTE. </pre>	

<b>Indicator 6.25</b>	<b>Adequate amount of sleep, age 4 months-17 years (HrsSleep_17)</b>
<b>Description</b>	During the past week, how many hours of sleep did this child get on an average weeknight?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 4 months-17 years
<b>Numerator/Response Categories</b>	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> <p>Infants 4 months to 12 months should sleep 12 to 16 hours per 24 hours (including naps)</p> <ul style="list-style-type: none"> <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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE HrsSleep_17 = 999. DO IF SC_AGE_LT4 = 2 and SC_AGE_YEARS = 0.   IF HOURSLEEP05 &lt; 7 HrsSleep_17 = 2.   IF HOURSLEEP05 = 7 HrsSleep_17 = 1. END IF. DO IF SC_AGE_YEARS &gt; 0 and SC_AGE_YEARS &lt; 3.   IF HOURSLEEP05 &lt; 6 HrsSleep_17 = 2.   IF HOURSLEEP05 = 6 or HOURSLEEP05 = 7 HrsSleep_17 = 1. END IF. DO IF SC_AGE_YEARS &gt; 2 and SC_AGE_YEARS &lt; 6.   IF HOURSLEEP05 &lt; 5 HrsSleep_17 = 2.   IF HOURSLEEP05 &gt; 4 HrsSleep_17 = 1. END IF. DO IF SC_AGE_YEARS &gt; 5 and SC_AGE_YEARS &lt; 13.   IF HOURSLEEP &lt; 5 HrsSleep_17 = 2. </pre>	

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

```
IF HOURSLEEP > 4 HrsSleep_17 = 1.  
END IF.  
DO IF SC_AGE_YEARS > 12.  
    IF HOURSLEEP < 4 HrsSleep_17 = 2.  
    IF HOURSLEEP > 3 HrsSleep_17 = 1.  
END IF.  
IF HOURSLEEP=99 or HOURSLEEP05=99 HrsSleep_17 = 99.  
IF SC_AGE_LT4 = 1 HrsSleep_17 = 95.  
VARIABLE LABELS HrsSleep_17 "Indicator 6.25: Hours child get sleep on an average weeknights, age 4  
months-17 years".  
VALUE LABELS HrsSleep_17  
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_17(95,99).  
FORMATS HrsSleep_17(f4.0).  
EXECUTE.
```

Indicator 6.26	Food insufficiency (FoodSit_17)
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: I8; for children 6-11 years: I8; for children 12-17 years: I8 Variable in public use data file: FOODSIT
Denominator	Children age 0-17 years
Numerator/Response Categories	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>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE FoodSit_17 = FOODSIT. VARIABLE LABELS FoodSit_17 "Indicator 6.26: Food situation in child's household in the past 12 months". VALUE LABELS FoodSit_17 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 we could not afford enough to eat" 4 "Often we could not afford enough to eat" 99 "Missing". MISSING VALUES FoodSit_17(99). FORMATS FoodSit_17(f4.0). EXECUTE. </pre>	

<b>Indicator 6.27</b>	<b>Received food or cash assistance (FoodCash_17)</b>
<b>Description</b>	Did this child live in a household that received food or cash assistance?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: I9a-d; for children 6-11 years: I9a-d; for children 12-17 years: I9a-d Variable in public use data file: K11Q60; K11Q61; K11Q62; S9Q34
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Did not receive food or cash assistance; Received 1-2 types of assistance; Received 3-4 types of assistance
<b>Notes for Data-Users</b>	
This is a composite measure based on responses to the following 4 survey items that ask about whether someone in the child's family received: (a) benefits from the Woman, Infants, and Children (WIC) Program; (b) cash assistance from government welfare program; (c) Food Stamps or Supplemental Nutrition Assistance Program benefits; or (d) free or reduced-cost breakfasts or lunches at school during the past 12 months.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE FoodCash_ct (0=2) (1 thru 4 = 1) (99=99) into FoodCash2_17. VARIABLE LABELS FoodCash2_17 "Indicator 6.27: Received food or cash assistance during the past 12 months". VALUE LABELS FoodCash2_17 1 "Received any food or cash assistance" 2 "Did not receive food or cash assistance" 99 "Missing". MISSING VALUES FoodCash2_17(99). FORMATS FoodCash2_17(f4.0). EXECUTE.  RECODE FoodCash_ct (0=0) (1 thru 2 = 1) (3 thru 4 = 2) (99=99) into FoodCash_17. VARIABLE LABELS FoodCash_17 "Indicator 6.27: Received food or cash assistance during the past 12 months". VALUE LABELS FoodCash_17 0 "Did not receive food or cash assistance" 1 "Received 1-2 types of assistance" 2 "Received 3-4 types of assistance" 99 "Missing". MISSING VALUES FoodCash_17(99). FORMATS FoodCash_17(f4.0). </pre>	

EXECUTE.

\*\*\*Individual items

COMPUTE WIC\_17 = S9Q34.

VARIABLE LABELS WIC\_17 "Someone in the family received benefits from the WIC Program during the past 12 months".

VALUE LABELS WIC\_17

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES WIC\_17(99).

FORMATS WIC\_17(f4.0).

EXECUTE.

COMPUTE CashAss\_17 = K11Q60.

VARIABLE LABELS CashAss\_17 "Someone in the family received cash assistance from government during the past 12 months".

VALUE LABELS CashAss\_17

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES CashAss\_17(99).

FORMATS CashAss\_17(f4.0).

EXECUTE.

COMPUTE FoodStamp\_17 = K11Q61.

VARIABLE LABELS FoodStamp\_17 "Someone in the family received Food Stamps or Supplemental Nutrition Assistance Program benefits during the past 12 months".

VALUE LABELS FoodStamp\_17

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES K11Q61(99).

FORMATS K11Q61(f4.0).

EXECUTE.

COMPUTE MealFree\_17 = K11Q62.

VARIABLE LABELS MealFree\_17 "Someone in the family received free or reduced-cost breakfasts or lunches at school during the past 12 months".

VALUE LABELS MealFree\_17

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES MealFree\_17(99).

FORMATS MealFree\_17(f4.0).

EXECUTE.

***Neighborhood Safety and Support***

Indicator 7.1	Supportive neighborhood (NbhdSupp_17)
<b>Description</b>	Does this child live in a supportive neighborhood?
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 all three items are included in the denominator. 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE NbhdSupp_17=999. IF (K10Q30&gt;=2) or (K10Q31&gt;=2) or (GOFORHELP&gt;=2) NbhdSupp_17=2. IF (K10Q30=1) and (K10Q31&lt;=2) and (GOFORHELP&lt;=2) NbhdSupp_17=1. IF (K10Q30&lt;=2) and (K10Q31=1) and (GOFORHELP&lt;=2) NbhdSupp_17=1. IF (K10Q30&lt;=2) and (K10Q31&lt;=2) and (GOFORHELP=1) NbhdSupp_17=1. IF K10Q30=99 or K10Q31=99 or GOFORHELP=99 NbhdSupp_17=99. VARIABLE LABELS NbhdSupp_17 "Child live is a supportive neighborhood". VALUE LABELS NbhdSupp_17 1 "Live in supportive neighborhoods" 2 "Do not live in supportive neighborhoods" 99 "Missing to any". MISSING VALUES NbhdSupp_17(99). FORMATS NbhdSupp_17(f2.0). EXECUTE. </pre>	

<b>Indicator 7.2</b>	<b>Safe neighborhood (NbhdSafe_17)</b>
<b>Description</b>	Does this child live in a safe neighborhood?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: I11c; for children 6-11 years: I11c; for children 12-17 years: I11c Variable in public use data file: K10Q40_R
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K10Q40_R (1=1) (2=2) (3 thru 4=3) (99=99) into NbhdSafe_17 = 999. VARIABLE LABELS NbhdSafe_17 "Indicator 7.2: Children live in safe neighborhoods". VALUE LABELS NbhdSafe_17 1 "Definitely agree" 2 "Somewhat agree" 3 "Somewhat/Definitely disagree" 99 "Missing". FORMATS NbhdSafe_17(f2.0). MISSING VALUES NbhdSafe_17(99). EXECUTE. </pre>	

<b>Indicator 7.3</b>	<b>Safe school, age 6-17 years (SchlSafe_17)</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/Response Categories</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>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K10Q41_R (1=1) (2=2) (3 thru 4=3) (90=90) (99=99) into SchlSafe_17. IF SC_AGE_YEARS &lt; 6 SchlSafe_17 = 90. VARIABLE LABELS SchlSafe_17 "Indicator 7.3: Children who are safe at schools, age 6-17 years". VALUE LABELS SchlSafe_17 1 "Definitely agree" 2 "Somewhat agree" 3 "Somewhat or definitely disagree" 99 "Missing" 90 "Children age 0-5 years". FORMATS SchlSafe_17(f2.0). MISSING VALUES SchlSafe_17(90,99). EXECUTE. </pre>	

Indicator 7.4	Neighborhood amenities (NbhdAmenities_17)
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: I10a-d; for children 6-11 years: I10a-d; for children 12-17 years: I10a-d Variable in public use data file: K10Q11; K10Q12; K10Q13; K10Q14
Denominator	Children age 0-17 years
Numerator/Response Categories	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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE SideWlks_17 = K10Q11. VARIABLE LABELS SideWlks_17 "Children who live in neighborhoods with sidewalks or walking paths". VALUE LABELS SideWlks_17 1 "Neighborhood contains sidewalks or walking paths" 2 "Neighborhood does not contain sidewalks or walking paths" 99 "Missing".  COMPUTE park_17 = K10Q12. VARIABLE LABELS park_17 "Children who live in neighborhoods with a park or playground area". VALUE LABELS park_17 1 "Neighborhood contains a park or playground area" 2 "Neighborhood does not contain a park or playground area" 99 "Missing".  COMPUTE RecCentr_17 = K10Q13. VARIABLE LABELS RecCentr_17 "Children who live in neighborhoods with recreation center, community center or Boys'/Girls' Club". VALUE LABELS RecCentr_17 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". </pre>	

COMPUTE library\_17 = K10Q14.

VARIABLE LABELS library\_17 "Children who live in neighborhoods with a library or bookmobile".

VALUE LABELS library\_17

1 "Neighborhood contains a library or bookmobile"

2 "Neighborhood does not contain a library or bookmobile"

99 "Missing".

MISSING VALUES SideWlks\_17 park\_17 RecCentr\_17 library\_17().

COUNT NbhdAmenities\_17=K10Q11 K10Q12 K10Q13 K10Q14 (1).

IF K10Q11=99 or K10Q12=99 or K10Q13=99 or K10Q14=99 NbhdAmenities\_17=99.

VARIABLE LABELS NbhdAmenities\_17 "Count of amenities in children's neighborhoods".

VALUE LABELS NbhdAmenities\_17

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\_17 (f3.0).

MISSING VALUES NbhdAmenities\_17 (99).

Indicator 7.5	Presence of detracting neighborhood elements (NbhdDetract_17)
<b>Description</b>	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?
<b>Survey Items Used</b>	Survey instrument item number for children age 0-5 years: I10e-g; for children age 6-11 years: I10e-g; for children age 12-17 years: I10e-g Variable in public use data file: K10Q20; K10Q22; K10Q23
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who live in neighborhoods with no detracting elements from the list of 3; Children who live in neighborhoods that have 1 detracting element from the list; Children who live in neighborhoods that have 2 detracting elements from the list; Children who 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>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE litter_17 = K10Q20. VARIABLE LABELS litter_17 "Children who live in neighborhoods with litter or garbage on the street or sidewalk". VALUE LABELS litter_17 1 "Neighborhood has litter or garbage on sidewalks and streets" 2 "Neighborhood does not have litter or garbage on sidewalks and streets" 99 "Missing".  COMPUTE housing_17 = K10Q22. VARIABLE LABELS housing_17 "Children who live in neighborhoods with poorly kept or rundown housing". VALUE LABELS housing_17 1 "Neighborhood has poorly kept or rundown housing" 2 "Neighborhood does not have poorly kept or dilapidated rundown housing" 99 "Missing".  COMPUTE vandal_17 = K10Q23. VARIABLE LABELS vandal_17 "Children who live in neighborhoods with vandalism such as broken windows or graffiti ". VALUE LABELS vandal_17 1 "Neighborhood has broken windows or graffiti" 2 "Neighborhood does not have broken windows or graffiti" 99 "Missing". </pre>	

```
COMPUTE NbhdDetract_17 = 999.  
  
COMPUTE validcomm = 0.  
COUNT validcomm=litter_17 housing_17 vandal_17 (1,2).  
  
COMPUTE comm_cond = 0.  
COUNT comm_cond=litter_17 housing_17 vandal_17 (1).  
VARIABLE LABELS comm_cond "Number of neighborhood condition Items".  
  
COMPUTE NbhdDetract_17 = 999.  
IF comm_cond = 3 NbhdDetract_17 = 3.  
IF comm_cond = 2 NbhdDetract_17 = 2.  
IF comm_cond = 1 NbhdDetract_17 = 1.  
IF comm_cond = 0 NbhdDetract_17 = 0.  
IF validcomm < 3 NbhdDetract_17 = 99.  
VARIABLE LABELS NbhdDetract_17 "Indicator 7.5: Presence of detracting neighborhood elements in the neighborhood".  
VALUE LABELS NbhdDetract_17  
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_17(99).  
FORMATS NbhdDetract_17(f4.0).  
EXECUTE.
```

# **2017 National Survey of Children's Health**

## **Family and Child Demographics and Subgroup Variables**

---



	<b>U.S. children in 3 age groups (age3_17)</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/Response Categories</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 2017 NSCH data set; aggregates into three groups. Age categories were created from initial screening questions asked for all children in the survey.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE SC AGE YEARS (0 thru 5=1) (6 thru 11=2) (12 thru 17=3) into age3_17 . VARIABLE LABELS age3_17 "Children's age in 3 categories". VALUE LABELS age3_17 1 "0-5 years old" 2 "6-11 years old" 3 "12-17 years old". EXECUTE . </pre> <p>***Child age re-grouped into 5 categories</p> <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_17 . VARIABLE LABELS age5_17 "Children's age in 5 categories". VALUE LABELS age5_17 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 (sex_17)</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/Response Categories</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 0.17% of missing values in 2017. The 2017 NSCH data set includes a single imputation variable (SC_SEX) for missing values.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE sex_17 = SC_SEX. VARIABLE LABELS sex_17 "Sex of the child". VALUE LABELS sex_17 1 "Male" 2 "Female" 99 "Missing". MISSING VALUES sex_17(99). FORMATS sex_17(f4.0). EXECUTE. </pre>	

<b>Race and ethnicity distribution of the child population (race4_17)</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 age 0-17 years
<b>Numerator/Response Categories</b>	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 are included as SC_HISPANIC_R. Hispanic origin and race information for the selected sample child were provided in the "Topical" public use file provided by the Census Bureau. 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 0.66% and race 0.43% missing values in 2017. The 2017 NSCH data set includes single imputed values for these missing cases in the variables SC_HISPANIC_R and SC_RACE_R.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE hispanic_17 = SC_HISPANIC_R. VARIABLE LABELS hispanic_17 "Hispanic origin of the child". VALUE LABELS hispanic_17 1 "Hispanic" 2 "Non-Hispanic" 99 "Missing". MISSING VALUES hispanic_17(99). FORMATS hispanic_17(f4.0). EXECUTE.  COMPUTE race4_17 = 999. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 1) race4_17 = 2. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 2) race4_17 = 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_17 = 4. IF (SC_HISPANIC_R = 1) race4_17 = 1. IF SC_HISPANIC_R=99 or SC_RACE_R = 99 race4_17 = 99. </pre>	

```
VARIABLE LABELS race4_17 "Race/ethnicity categories".  
VALUE LABELS race4_17  
1 "Hispanic"  
2 "White, non-Hispanic"  
3 "Black, non-Hispanic"  
4 "Other/Multi-racial, non-Hispanic"  
99 "Missing to Hispanic or Race or both".  
MISSING VALUES race4_17 (99).  
FORMATS race4_17 (f4.0).  
EXECUTE.
```

<b>Race and ethnicity distribution of the child population (raceAsia_17)</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 age 0-17 years
<b>Numerator/Response Categories</b>	Hispanic children; White, non-Hispanic children; Black, non-Hispanic children; Asian, 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 are included as SC_HISPANIC_R. Hispanic origin and race information for the selected sample child were provided in the "Topical" public use file provided by the Census Bureau. 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 0.66% and race 0.43% missing values in 2017. The 2017 NSCH data set includes single imputed values for these missing cases in the variables SC_HISPANIC_R and SC_RACE_R.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE raceASIA_17 = 999. IF SC_HISPANIC_R = 2 and SC_RACE_R = 1 raceASIA_17 = 2. IF SC_HISPANIC_R = 2 and SC_RACE_R = 2 raceASIA_17 = 3. IF SC_HISPANIC_R = 2 and SC_RACE_R = 4 raceASIA_17 = 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_17 = 5. IF SC_HISPANIC_R = 1 raceASIA_17 = 1. IF SC_HISPANIC_R=99 or SC_RACE_R = 99 raceASIA_17 = 99. VARIABLE LABELS raceASIA_17 "Race/ethnicity categories". VALUE LABELS raceASIA_17 1 "Hispanic" 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_17 (99). </pre>	

FORMATS raceASIA\_17 (f4.0).  
EXECUTE.

<b>Parental nativity (PrntNativity_17)</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,J1,J4; for children 6-11 years: H1,J1,J4; for children 12-17 years: H1,J1,J4 Variable in public use data file: HOUSE_GEN (derived); BORNUSA; A1_RELATION; A2_RELATION; A1_BORN; A2_BORN
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</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>	
This variable was derived using HOUSE_GEN variable in the public use files 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, parents are not listed. 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE HOUSE_GEN (1 thru 2=2) (3=1) (4=3) (99=99) into PrntNativity_17. VARIABLE LABELS PrntNativity_17 "Generational status of the parents - collapsed 1st and 2nd generational status of HH". VALUE LABELS PrntNativity_17 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_17(99). EXECUTE. </pre>	

<b>Primary household language (HHLanguage_17)</b>	
<b>Description</b>	What is the primary language spoken in home?
<b>Survey Items Used</b>	Screener Questionnaire item number (household section): 3 Variable in public use data file: HHLANGUAGE
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	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 is provided in the "Topical" public use file (HHLANGUAGE).	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE HHLANGUAGE (1=1) (2 thru 3=2) (99=99)into HHLanguage_17. VARIABLE LABELS HHLanguage_17 "Primary household language spoken in the household". VALUE LABELS HHLanguage_17 1 "English" 2 "Other than English" 99 "Missing". MISSING VALUES HHLanguage_17(99). FORMATS HHLanguage_17(f4.0). EXECUTE. </pre>	

<b>Primary household language for Hispanic children (hisplang_17)</b>	
<b>Description</b>	What is the primary language spoken in home for Hispanic children?
<b>Survey Items Used</b>	Screener Questionnaire item number: 1,2; 3 (household section) Variable in public use data file: SC_HISPANIC_R; HHLANGUAGE
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Primary household language is not English, among Hispanic children; Primary household language is English, among Hispanic children; 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 2017 NSCH indicate that it is a viable proxy measure.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE hisplang_17 = 999. IF (SC_HISPANIC_R= 1) and (HHLANGUAGE = 2 or (HHLANGUAGE = 3)) hisplang_17 = 1. IF (SC_HISPANIC_R = 1) and (HHLANGUAGE = 1) hisplang_17 = 2. IF SC_HISPANIC_R = 2 hisplang_17 = 3. IF HHLANGUAGE=99 or SC_HISPANIC_R=99 hisplang_17 = 99. *IF (SYSMIS(HHLANGUAGE)) or (SYSMIS(SC_HISPANIC_R)) hisplang_17 = 99. VARIABLE LABELS hisplang_17 "Primary household language parsed to Hispanic and non-Hispanic". VALUE LABELS hisplang_17 1 "Hispanic children, non-English PHH language" 2 "Hispanic children, English PHH language" 3 "Non-Hispanic child" 99 "Missing to any". MISSING VALUES hisplang_17 (99). FORMATS hisplang_17 (f4.0). </pre>	

<b>Family structure of child's household (famstruct_17)</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 (derived)
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</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 parent (mother or father); Other family type, no parent reported.
<b>Notes for Data-Users</b>	
<p>The composite measure of family structure was created by the Census Bureau (FAMILY_R) in the 2017 NSCH public use data files. Family type is characterized by number of parents or parental 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. "Family structure" refers to number and relationship between parents living in the household. Parents were identified if the reported adult(s) was/were biological/adoptive or step parent(s). Households identified as having two same sex mothers or fathers of the same type (biological/adoptive or step) were categorized to the appropriate two parent family. Single mother or father type was identified if the second adult response was "There is only one primary adult caregiver for this child" (A2_RELATION = 8) and first adult was female (A1_SEX = 2) or male (A1_SEX = 1) currently married, living apart, formerly married or never married.</p>	
<b>Revisions</b>	
<p>The measure category of single parent includes both single mother and single father in the 2017 NSCH; therefore, the results may be not be compared with the 2016 NSCH. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE FAMILY_R (1=1) (2=2) (3=1) (4=2) (5 thru 6=3) (7 thru 8=4) (99=99) into famstruct_17. VARIABLE LABELS famstruct_17 "Family structure". VALUE LABELS famstruct_17 1 "Two parents, currently married" 2 "Two parents, not currently married" 3 "Single parent (mother or father)" 4 "Other family type, no parent reported" 99 "Missing". MISSING VALUES famstruct_17(99). FORMATS famstruct_17 (F4.0). </pre>	

<b>Income level of child's household (povlev4_17)</b>	
<b>Description</b>	What is the income level (federal poverty level, FPL) of the household that this child lives in?
<b>Survey Items Used</b>	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_I1
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	0-99% FPL; 100-199% FPL; 200-399% FPL; 400% FPL or more
<b>Notes for Data-Users</b>	
<p>The child's household poverty level is derived from responses on the survey about family income. The poverty level variable had 16.03% missing values in 2017, which may result in biased estimates. Therefore, the missing values were imputed by the Census Bureau. The impact of missing values on population count estimates is available on the <a href="#">DRC website</a>.</p> <p>The 2017 NSCH topical public use file contains all 6 imputed FPL (FPL_I1-FPL_I6) variables.</p> <p>The poverty level variable povlev4_17 in the DRC 2017 NSCH data set was generated using a single imputation value from the 2017 data file (FPL_I1). Please note that poverty level estimates and confidence intervals based on single imputed income values may differ slightly from those obtained using multiple imputation methods. All six imputed poverty level variables are available in the DRC combined dataset for users who wish to estimate multiple imputed poverty level.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE FPL_I1 (0 thru 99=1) (100 thru 199=2) (200 thru 399=3) (400 thru HIGHEST=4) into povlev4_17. VARIABLE LABELS povlev4_17 "Poverty level of this household based on DHHS guidelines - Imputed". VALUE LABELS povlev4_17 1 "0-99% FPL" 2 "100-199% FPL" 3 "200-399% FPL" 4 "400% FPL or greater". FORMATS povlev4_17 (F4.0). </pre>	

<b>Income level of child's household - SCHIP groupings (povSCHIP_17)</b>	
<b>Description</b>	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?
<b>Survey Items Used</b>	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_I1
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	0-199% FPL; 200-299% FPL; 300-399% FPL; 400% FPL or more
<b>Notes for Data-Users</b>	
<p>The child's household poverty level is derived from responses on the survey about family income. The poverty level variable had 16.03% missing values in 2017, which may result in biased estimates. Therefore, the missing values were imputed by the Census Bureau. The impact of missing values on population count estimates is available on the <a href="#">DRC website</a>.</p> <p>The 2017 NSCH topical public use file contains all 6 imputed FPL (FPL_I1-FPL_I6) variables.</p> <p>The poverty level variable povlev4_17 in the DRC 2017 NSCH data set was generated using a single imputation value from the 2017 data file (FPL_I1). Please note that poverty level estimates and confidence intervals based on single imputed income values may differ slightly from those obtained using multiple imputation methods. All six imputed poverty level variables are available in the DRC combined dataset for users who wish to estimate multiple imputed poverty level.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE FPL_I1 (0 thru 199=1) (200 thru 299=2) (300 thru 399=3) (400 thru HIGHEST=4) into povSCHIP_17. VARIABLE LABELS povSCHIP_17 "Poverty level of this household based on DHHS guidelines - Imputed recoded into 4 categories based on SCHIP qualification". VALUE LABELS povSCHIP_17 1 "0-199% FPL" 2 "200-299% FPL" 3 "300-399% FPL" 4 "400% FPL or greater". FORMATS povSCHIP_17 (F4.0). </pre>	

<b>Highest education of adult in household (AdultEduc_17)</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: J18; for children 6-11 years: J18; for children 12-17 years: J18 Variable in public use data file: HIGRADE_TVIS (derived); A1_GRADE, A2_GRADE
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</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 who are identified as the child's primary caregiver(s) was considered for this measure. The highest level of A1_GRADE (imputed if missing) and A2_GRADE (unimputed if missing) is used to derive HIGRADE and HIGRADE_TVIS; if A2_GRADE is missing, only A1_GRADE is used for HIGRADE and HIGRADE_TVIS in 2017.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. The HIGRADE and HIGRADE_TVIS variables were derived based on unimputed variables (A1_GRADE and A2_GRADE) in 2016, however, A1_GRADE (imputed if missing) and A2_GRADE (unimputed if missing) were used to create these variables in 2017. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE HIGRADE_TVIS (99=99) (else=copy) into AdultEduc_17. VARIABLE LABELS AdultEduc_17 "Highest level of education among reported adults". VALUE LABELS AdultEduc_17 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_17(99). FORMATS AdultEduc_17(f4.0). EXECUTE. </pre>	

	<b>Children who were born in US (BornUSA_17)</b>
<b>Description</b>	Was this child born in the United States?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: H1; for children 6-11 years: H1; for children 12-17 years: H1 Variables in public use data file: BORNUSA
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who were born in US; Children who were born outside of US
<b>Notes for Data-Users</b>	
N/A	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE BORNUSA (1=1) (2=2) (99=99) into BornUSA_17. VARIABLE LABELS BornUSA_17 "Children who were born in US". VALUE LABELS BornUSA_17 1 "Children were born in US" 2 "Children were born outside of US" 99 "Missing". MISSING VALUES BornUSA_17(99). EXECUTE. </pre>	

	<b>Number of family members in the household (FamCount_17)</b>
<b>Description</b>	How many of the people living or staying in the child's household are family members?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: K2; for children 6-11 years: K2; for children 12-17 years: K2 Variable in public use data file: FAMCOUNT
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who live in the household with 1-2 family members; Children who live in the household with 3 family members; Children who live in the household with 4 family members; Children who live in the household with 5 family members; Children who live in the household with 6 or more family members
<b>Notes for Data-Users</b>	
In the question family is defined as "anyone related to this child by blood, marriage, adoption, or through foster care".	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE FAMCOUNT (1 thru 2 = 1) (3=2) (4=3) (5=4) (6 thru 8 = 5) (99=99) into FamCount_17. VARIABLE LABELS FamCount_17 "Number of family members in the household". VALUE LABELS FamCount_17 1 "1 or 2 people" 2 "3 people" 3 "4 people" 4 "5 people" 5 "6 or more people". MISSING VALUES FamCount_17(99). EXECUTE. </pre>	

<b>Military status of adult(s) in the household (MilitarySt_17)</b>	
<b>Description</b>	Does this child live in a household in which adult(s) have served on active duty in the US Armed Forces, Reserves, or the National Guard?
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: J11,J23; for children 6-11 years:J11,J23; for children 12-17 years: J11,J23 Variables in public use data file: A1_ACTIVE; A2_ACTIVE
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children who live in the household with adult(s) currently on active duty in the military; Children who live in the household with adult(s) who served on active duty in the past, but not currently; Children who live in the household with adult(s) on active duty for training in the Reserves or National Guard; Children who live in a household with adult(s) who have never served in the military
<b>Notes for Data-Users</b>	
The military status reported by Adult 1 and Adult 2 who are identified as the child's primary caregiver(s) were considered for this measure. The current and highest level of military involvement (i.e. current active duty) of adult 1 (A1_ACTIVE) and adult 2 (A2_ACTIVE) is used to categorize the military status of adults if there are two adults in the household.	
<b>Revisions</b>	
This item is new in the 2017 NSCH.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE MilitarySt_17=4. IF (A1_ACTIVE=2) or (A2_ACTIVE=2) MilitarySt_17=3. IF (A1_ACTIVE=4) or (A2_ACTIVE=4) MilitarySt_17=2. IF (A1_ACTIVE=3) or (A2_ACTIVE=3) MilitarySt_17=1. IF (A1_ACTIVE=99) and (A2_ACTIVE= 99 or A2_ACTIVE= 95) MilitarySt_17=99. VARIABLE LABELS MilitarySt_17 "Military status of adult(s) in the household". VALUE LABELS MilitarySt_17 1 "Now on active duty" 2 "On active duty in the past, but not now" 3 "Only on active duty for training in the Reserves or National Guard" 4 "Never served in the military" 99 "Missing". MISSING VALUES MilitarySt_17 (99). FORMATS MilitarySt_17 (F4.0). EXECUTE. </pre>	

## **Title V Block Grant Measures**

---

### **National Performance and Outcome Measures**



## National Performance Measures

<b>NPM 6</b>	<b>Developmental screening, age 9-35 months (npm6DSc_17)</b>
<b>Description</b>	Percent of children, ages 9 through 35 months, who received a developmental screening using a parent-completed screening tool in the past year
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C8 Variable in public use data file: K6Q12; K6Q13A; K6Q13B; K6Q14A; K6Q14B
<b>Denominator</b>	Children age 9-35 months
<b>Numerator/Response Categories</b>	Children whose parent did not complete a standardized developmental screening tool; Children whose parent completed a standardized developmental screening tool
<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. This measure uses age-appropriate questions to verify whether young children received standardized developmental, behavioral and social screening using a parent-reported, standardized screening tool or instrument. Parent respondents for all children between 9 months and 5 years old were asked the following 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). The measure is considered missing if both types of contents are missing.</p> <p>This 3-item measure to assess whether screening occurred was developed by the Child and Adolescent Health Measurement Initiative (CAHMI), with funding from the Commonwealth Fund and in conjunction with the Maternal and Child Health Bureau. Further information may be obtained on the CAHMI website or by contacting CAHMI at info@cahmi.org.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</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 K6Q13A = 99) and (K6Q13B = 1 or K6Q13B = 99) both_9to23 = 1. IF K6Q13A =99 and K6Q13B = 99 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" 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" </pre>	

90 "Children age 6-17 years".  
EXECUTE.

COMPUTE both\_24to35 = 999.  
IF K6Q14A=2 or K6Q14B=2 both\_24to35 = 2.  
IF (K6Q14A = 1 or K6Q14A = 99) and (K6Q14B = 1 or K6Q14B = 99) both\_24to35 = 1.  
IF K6Q14A = 99 and K6Q14B = 99 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\_17 = 999.  
IF both\_9to23 = 1 or both\_24to35 = 1 DevScrnng\_17 = 1.  
IF K6Q12 = 2 DevScrnng\_17 = 2.  
IF both\_9to23 = 2 or both\_24to35 = 2 DevScrnng\_17 = 2.  
IF both\_9to23 = 99 or both\_24to35 = 99 DevScrnng\_17 = 99.  
IF K6Q12 = 99 DevScrnng\_17 = 99.  
IF SC\_AGE\_LT9 = 1 or (SC\_AGE\_YEARS>2 and SC\_AGE\_YEARS<6) DevScrnng\_17 = 95.  
IF SC\_AGE\_YEARS > 5 DevScrnng\_17 = 90.  
VARIABLE LABELS DevScrnng\_17 "Indicator 4.10: Children who received a developmental screening using a parent-completed screening tool, age 9-35 months".  
VALUE LABELS DevScrnng\_17  
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\_17(90,95,99).  
EXECUTE.

COMPUTE npm6DSc\_17 = DevScrnng\_17.  
VARIABLE LABELS npm6DSc\_17 "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\_17  
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\_17(90,95,99).  
FORMATS npm6DSc\_17(f4.0).  
EXECUTE.

<b>NPM 8.1</b>	<b>Physical activity, age 6-11 years (npm8PhAc6to11_17)</b>
<b>Description</b>	Percent of children, ages 6 through 11, who are physically active at least 60 minutes per day
<b>Survey Items Used</b>	Survey instrument item number for children 6-11 years: G6 Variable name in public use data file: PHYSACTIV
<b>Denominator</b>	Children age 6-11 years
<b>Numerator/Response Categories</b>	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 measure was derived from a single item asked among children 6-17 years of age. However, the denominator of this measure is children age 6-11 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PhysAct_17 = PHYSACTIV. IF SC AGE YEARS &lt; 6 PhysAct_17 = 90. VARIABLE LABELS PhysAct_17 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_17 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_17(90,99). FORMATS PhysAct_17(f2.0). EXECUTE.  COMPUTE npm8PhAc6to11_17 = PhysAct_17. IF SC AGE YEARS &lt; 6 npm8PhAc6to11_17 = 90. IF SC AGE YEARS &gt; 11 npm8PhAc6to11_17 = 95. VARIABLE LABELS npm8PhAc6to11_17 "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_17 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years" 95 "Children age 12-17 years". </pre>	

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

MISSING VALUES npm8PhAc6to11\_17(90,95,99).

FORMATS npm8PhAc6to11\_17(f2.0).

EXECUTE.

<b>NPM 8.2</b>	<b>Physical activity, age 12-17 years (npm8PhAc12to17_17)</b>
<b>Description</b>	Percent of adolescents, ages 12 through 17, who are physically active at least 60 minutes per day
<b>Survey Items Used</b>	Survey instrument item number for children 12-17 years: G6 Variable name in public use data file: PHYSACTIV
<b>Denominator</b>	Children age 12-17 years
<b>Numerator/Response Categories</b>	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 measure was derived from a single item asked among children 6-17 years of age. However, the denominator of this measure is adolescents age 12-17 years.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PhysAct_17 = PHYSACTIV. IF SC AGE YEARS &lt; 6 PhysAct_17 = 90. VARIABLE LABELS PhysAct_17 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_17 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_17(90,99). FORMATS PhysAct_17(f2.0). EXECUTE.  COMPUTE npm8PhAc12to17_17 = PhysAct_17. IF SC AGE YEARS &lt; 6 npm8PhAc12to17_17 = 90. IF SC AGE YEARS &gt; 5 and SC AGE YEARS &lt; 12 npm8PhAc12to17_17 = 95. VARIABLE LABELS npm8PhAc12to17_17 "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_17 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". </pre>	

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

MISSING VALUES npm8PhAc12to17\_17(90,95,99).  
FORMATS npm8PhAc12to17\_17(f2.0).  
EXECUTE.

<b>NPM 9</b>	<b>Bully others, age 12-17 years (npm9bully_17)</b>
<b>Description</b>	Percent of adolescents, ages 12 through 17, who bully others
<b>Survey Items Used</b>	Survey instrument item number for children 12-17 years: A3g Variable name in public use data file: K7Q71_R
<b>Denominator</b>	Children age 12-17 years
<b>Numerator/Responsible Categories</b>	Adolescents, ages 12 through 17, who are reported by a parent/guardian to bully others
<b>Notes for Data-Users</b>	
This survey question asked, "How true are each of the following statements about this child: 'this child bullies others, picks on them, or excludes them?'". The numerator for this measure is defined by combining "definitely true" or "somewhat true" responses.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a> . Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K7Q71_R (1 thru 2=1) (3=2) (99=99) into bully_17. IF SC_AGE_YEARS &lt; 6 bully_17 = 90. VARIABLE LABELS bully_17 "Indicator 2.1: Children bully others, pick on them or exclude them, age 6-17 years". VALUE LABELS bully_17 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bully_17(90,99). EXECUTE.  COMPUTE npm9bully_17 = bully_17. IF SC_AGE_YEARS &lt; 6 npm9bully_17 = 90. IF SC_AGE_YEARS &gt; 5 and SC_AGE_YEARS &lt; 12 npm9bully_17 = 95. VARIABLE LABELS npm9bully_17 "National Performance Measure 9: Percent of adolescents, age 12-17 years, who bully others". VALUE LABELS npm9bully_17 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_17(90,95,99). FORMATS npm9bully_17(f4.0). EXECUTE. </pre>	

<b>NPM 9</b>	<b>Bullied, age 12-17 years (npm9bullied_17)</b>
<b>Description</b>	Percent of adolescents, ages 12 through 17, who are bullied
<b>Survey Items Used</b>	Survey instrument item number for children 12-17 years: A3g Variable name in public use data file: BULLIED
<b>Denominator</b>	Children age 12-17 years
<b>Numerator/Responsible Categories</b>	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 true are each of the following statements about this child: 'this child is bullied, picked on, or excluded by other children?'". The numerator for this measure is defined by combining "definitely true" or "somewhat true" responses.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. The wording of the stem question has changed in 2017. For more information about the changes, <a href="#">click here</a> . Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE BULLIED (1 thru 2=1) (3=2) (99=99) into bullied_17. IF SC_AGE_YEARS &lt; 6 bullied_17 = 90. VARIABLE LABELS bullied_17 "Indicator 2.2: Children who are bullied, picked on, or excluded by other children, age 6-17 years". VALUE LABELS bullied_17 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bullied_17(90,99). EXECUTE.  COMPUTE npm9bullied_17 = bullied_17. IF SC_AGE_YEARS &lt; 6 npm9bullied_17 = 90. IF SC_AGE_YEARS &gt; 5 and SC_AGE_YEARS &lt; 12 npm9bullied_17 = 95. VARIABLE LABELS npm9bullied_17 "National Performance Measure 9: Percent of adolescents, age 12-17 years, who are bullied". VALUE LABELS npm9bullied_17 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years" 95 "Children age 6-11 years". MISSING VALUES npm9bullied_17(90,95,99). FORMATS npm9bullied_17(f4.0). EXECUTE. </pre>	

<b>NPM 10</b>	<b>Preventive medical visit, age 12-17 years (npm10PrVi_17)</b>
<b>Description</b>	Percent of adolescents, ages 12 through 17, with a preventive medical visit in the past year
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children age 12-17 years
<b>Numerator/Response Categories</b>	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
<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>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrevMed_17 = 999. IF K4Q20R=2 or K4Q20R = 3 PrevMed_17 = 1. IF K4Q20R = 1 PrevMed_17 = 2. IF S4Q01 = 2 PrevMed_17 = 2. IF K4Q20R=99 PrevMed_17 = 99. IF S4Q01=99 PrevMed_17 = 99. VARIABLE LABELS PrevMed_17 "Indicator 4.1a: Children who had one or more preventive medical care visits during past 12 months". VALUE LABELS PrevMed_17 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing". MISSING VALUES PrevMed_17(99). FORMATS PrevMed_17(f2.0). EXECUTE.  COMPUTE npm10PrVi_17 = PrevMed_17. IF SC_AGE_YEARS &lt; 12 npm10PrVi_17 = 95. VARIABLE LABELS npm10PrVi_17 "National Performance Measure 10: Percent of adolescents, age 12-17 years, with a preventive medical visit in the past year". VALUE LABELS npm10PrVi_17 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing" 95 "Children age 0-11 years". MISSING VALUES npm10PrVi_17(95,99). </pre>	

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

FORMATS npm10PrVi\_17(f2.0).  
EXECUTE.

NPM 11	<b>Medical home, children with special health care needs (CSHCN) (npm11MHCSHCN_17)</b>
<b>Description</b>	Percent of children with special health care needs, ages 0 through 17, who have a medical home
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: C9,C10, D1-D4,D7-D12; for children 6-11 years: C7,C8,D1-D4,D7-D12; for children 12-17 years: C8,C9, D1-D4,D7-D12  Variable name in public use data file: K4Q01; K4Q02_R; K4Q04_R; K5Q10; K5Q11; K5Q40; K5Q41; K5Q42; K5Q43; K5Q44; K5Q20_R; K5Q21; K5Q22; K5Q30; K5Q31_R; K5Q32; S4Q01
<b>Denominator</b>	Children with special health care needs age 0-17 years
<b>Numerator/Response Categories</b>	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>	
The American Academy of Pediatrics specifies seven qualities essential to a medical home: 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. In the 2017 NSCH, the presence of a medical home was measured by a composite measure based on five components constructed from a total of 16 survey items. These components are: <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> 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. Further information about the Medical Home concept and measurement is available on the Data Resource Center <a href="#">Medical Home portal</a> . The medical home manual developed by the CAHMI is available on the <a href="#">DRC website</a> .	
<b>Revisions</b>	
In 2017, this measure did not change from the 2016 NSCH. The skip language in K5Q20_R's response option "Did not see more than one health care provider" which skips children away from Care Coordination questions was removed in 2017.  Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analysis.	

## SPSS Syntax and Annotation

```

COMPUTE PerDrNs_17 = 999.
IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_17 = 1.
IF K4Q04_R = 3 PerDrNs_17 = 2.
IF K4Q04_R=99 PerDrNs_17 = 99.
VARIABLE LABELS PerDrNs_17 "Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse".
VALUE LABELS PerDrNs_17
1 "Yes, have at least one personal doctor or nurse"
2 "Do not have a personal doctor or nurse"
99 "Missing".
MISSING VALUES PerDrNs_17(99).
FORMATS PerDrNs_17(f4.0).

COMPUTE UsualSck_17 = 999.
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_17 = 1.
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_17 = 2.
IF K4Q01=99 or K4Q02_R=99 UsualSck_17 = 99.
VARIABLE LABELS UsualSck_17 "Usual sources for sick care".
VALUE LABELS UsualSck_17
1 "Have usual sources for sick care"
2 "Do not have usual sources for sick care"
99 "Missing".

COMPUTE time_17 = 999.
IF S4Q01 = 2 time_17 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_17 = 3.
IF K5Q40 = 2 time_17 = 2.
IF K5Q40 = 1 time_17 = 1.
IF K5Q40 = 99 time_17 = 99.
VARIABLE LABELS time_17 "Doctors spent enough time with children".
VALUE LABELS time_17
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_17(99).

COMPUTE listen_17 = 999.
IF S4Q01 = 2 listen_17 = 0.
IF K5Q41 =3 or K5Q41 = 4 listen_17 = 3.
IF K5Q41 = 2 listen_17 = 2.
IF K5Q41 = 1 listen_17 = 1.
IF K5Q41 = 99 listen_17 = 99.
VARIABLE LABELS listen_17 "Doctors listened carefully to children's parents".
VALUE LABELS listen_17
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_17(99).

```

Title V Block Grant Measures – National Performance Measures

```
COMPUTE sensitiv_17 = 999.  
IF S4Q01 = 2 sensitiv_17 = 0.  
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_17 = 3.  
IF K5Q42 = 2 sensitiv_17 = 2.  
IF K5Q42 = 1 sensitiv_17 = 1.  
IF K5Q42 = 99 sensitiv_17 = 99.  
VARIABLE LABELS sensitiv_17 "Doctors showed sensitivity to children's family's values and customs".  
VALUE LABELS sensitiv_17  
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_17(99).
```

```
COMPUTE info_17 = 999.  
IF S4Q01 = 2 info_17 = 0.  
IF K5Q43 = 3 or K5Q43 = 4 info_17 = 3.  
IF K5Q43 = 2 info_17 = 2.  
IF K5Q43 = 1 info_17 = 1.  
IF K5Q43 = 99 info_17 = 99.  
VARIABLE LABELS info_17 "Doctors provided information specific to parents' concerns".  
VALUE LABELS info_17  
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_17(99).
```

```
COMPUTE partner_17 = 999.  
IF S4Q01 = 2 partner_17 = 0.  
IF K5Q44 = 3 or K5Q44 = 4 partner_17 = 3.  
IF K5Q44 = 2 partner_17 = 2.  
IF K5Q44 = 1 partner_17 = 1.  
IF K5Q44 = 99 partner_17 = 99.  
VARIABLE LABELS partner_17 "Doctors helped parents to feel like partners in child's care".  
VALUE LABELS partner_17  
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_17(99).
```

```
MISSING VALUES time_17 listen_17 sensitiv_17 info_17 partner_17().
```

```
COMPUTE FamCent_17 = 999.  
IF (time_17 = 3 or time_17=99) or (listen_17 = 3 or listen_17 =99) or (sensitiv_17 = 3 or sensitiv_17=99) or  
(info_17 = 3 or info_17=99) or  
(partner_17 = 3 or partner_17=99) FamCent_17 = 2.  
IF (time_17=1 or time_17=2 or time_17=99) and (listen_17=1 or listen_17=2 or listen_17=99) and  
(sensitiv_17=1 or sensitiv_17=2 or sensitiv_17=99) and  
(info_17=1 or info_17=2 or info_17=99) and (partner_17=1 or partner_17=2 or partner_17=99)  
FamCent_17 = 1.  
IF time_17 = 0 FamCent_17 = 0.  
IF time_17 = 99 and listen_17 = 99 and sensitiv_17 = 99 and info_17 = 99 and partner_17 = 99
```

Title V Block Grant Measures – National Performance Measures

FamCent\_17 = 99.  
VARIABLE LABELS FamCent\_17 "Indicator 4.12c: Medical Home Component: Family-centered care".  
VALUE LABELS FamCent\_17  
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 all".  
MISSING VALUES FamCent\_17(0,99).

COMPUTE NoRefPrb\_17 = K5Q11.  
IF K5Q10=99 NoRefPrb\_17 = 99.  
IF K5Q10 = 2 NoRefPrb\_17 = 0.  
VARIABLE LABELS NoRefPrb\_17 "Indicator 4.12d: Medical Home Component: Problems getting needed referrals, all children".  
VALUE LABELS NoRefPrb\_17  
0 "Did not need referrals during the past 12 months"  
1 "No problems getting referral, when needed"  
2 "Had a small problem getting referrals, when needed"  
3 "Had a big problem getting referrals, when needed"  
99 "Missing".  
MISSING VALUES NoRefPrb\_17(99).

COMPUTE DrComm\_17 = 999.  
IF K5Q30 = 1 DrComm\_17 = 1.  
IF K5Q30 = 2 DrComm\_17 = 2.  
IF K5Q30 = 3 or K5Q30 = 4 DrComm\_17 = 3.  
IF K5Q30 = 99 DrComm\_17 = 99.  
IF K5Q20\_R = 3 or S4Q01 = 2 DrComm\_17 = 0.  
VARIABLE LABELS DrComm\_17 "Satisfaction with communication among child's doctor and other health care provider".  
VALUE LABELS DrComm\_17  
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\_17().

COMPUTE CareHelp\_17 = 999.  
IF K5Q22 = 1 CareHelp\_17 = 1.  
IF K5Q20\_R = 1 and K5Q21 = 2 CareHelp\_17 = 1.  
IF K5Q22 = 2 or K5Q22 = 3 CareHelp\_17 = 2.  
IF K5Q21 = 99 or K5Q22 = 99 CareHelp\_17 = 99.  
IF K5Q20\_R = 99 CareHelp\_17 = 99.  
IF K5Q20\_R = 3 or S4Q01 = 2 CareHelp\_17 = 0.  
IF K5Q20\_R = 2 and K5Q21 = 2 CareHelp\_17 = 0.  
IF S4Q01 = 99 CareHelp\_17 = 99.  
VARIABLE LABELS CareHelp\_17 "Got all needed extra help with care coordination when needed".  
VALUE LABELS CareHelp\_17  
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\_17 = 999.  
IF S4Q01 = 2 or K5Q31\_R = 2 or K5Q31\_R = 3 OthComm\_17 = 0.  
IF K5Q32 = 1 OthComm\_17 = 1.

Title V Block Grant Measures – National Performance Measures

IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm\_17 = 2.  
IF K5Q32 = 99 OthComm\_17 = 99.  
IF K5Q31\_R = 99 OthComm\_17 = 99.  
VARIABLE LABELS OthComm\_17 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".  
VALUE LABELS OthComm\_17  
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\_17 DrComm\_17 OthComm\_17().

COMPUTE CareCoor\_17 = 999.  
IF (CareHelp\_17 = 2 or CareHelp\_17=99) or (DrComm\_17 = 2 or DrComm\_17 = 3 or DrComm\_17=99) or (OthComm\_17 = 2 or OthComm\_17=99) CareCoor\_17 = 2.  
IF (CareHelp\_17 = 0 or CareHelp\_17 = 1 or CareHelp\_17=99) and (DrComm\_17=0 or DrComm\_17 =1 or DrComm\_17=99) and (OthComm\_17 = 0 or OthComm\_17 = 1 or OthComm\_17=99) CareCoor\_17 = 1.  
IF (CareHelp\_17 = 0 or CareHelp\_17=99) and (DrComm\_17 = 0 or DrComm\_17=99) and (OthComm\_17 = 0 or OthComm\_17 = 99) CareCoor\_17 = 0.  
IF CareHelp\_17 = 99 and DrComm\_17 = 99 and OthComm\_17 = 99 CareCoor\_17 = 99.  
VARIABLE LABELS CareCoor\_17 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".  
VALUE LABELS CareCoor\_17  
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 all".  
MISSING VALUES CareCoor\_17(99).

MISSING VALUES PerDrNs\_17 UsualSck\_17 FamCent\_17 NoRefPrb\_17 CareCoor\_17().

COMPUTE MedHome\_17 = 999.  
IF (PerDrNs\_17 = 1 or PerDrNs\_17=99) and (UsualSck\_17 = 1 or UsualSck\_17=99) and (NoRefPrb\_17=1 or NoRefPrb\_17=0 or NoRefPrb\_17=99) and (FamCent\_17=1 or FamCent\_17=0 or FamCent\_17=99) and (CareCoor\_17=1 or CareCoor\_17=0 or CareCoor\_17=99) MedHome\_17 = 1.  
IF PerDrNs\_17 = 2 or UsualSck\_17 = 2 or (NoRefPrb\_17 = 2 or NoRefPrb\_17=3) or FamCent\_17 = 2 or CareCoor\_17 = 2 MedHome\_17 = 2.  
IF PerDrNs\_17 = 99 and UsualSck\_17 = 99 and (FamCent\_17 = 99 or FamCent\_17 = 0) and (NoRefPrb\_17 = 99 or NoRefPrb\_17=0) and (CareCoor\_17 = 99 or CareCoor\_17 = 0) MedHome\_17 = 99.  
VARIABLE LABELS MedHome\_17 "Indicator 4.12: Children receiving coordinated, ongoing, comprehensive care within a medical home".  
VALUE LABELS MedHome\_17  
1 "Care MEETS medical home criteria"  
2 "Care DOES NOT meet medical home criteria"  
99 "Missing to all".  
MISSING VALUES MedHome\_17(99).

COMPUTE npm11MHCSHCN\_17 = MedHome\_17.  
IF SC\_CSHCN = 2 npm11MHCSHCN\_17 = 95.  
VARIABLE LABELS npm11MHCSHCN\_17 "National Performance Measure 11: Percent of children with special health care needs, ages 0 through 17, who have a medical home".  
VALUE LABELS npm11MHCSHCN\_17  
1 "Care MEETS medical home criteria"  
2 "Care DOES NOT meet medical home criteria"  
99 "Missing to any"

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

95 "Non-CSHCN".  
MISSING VALUES npm11MHCSHCN\_17(95,99).  
FORMATS npm11MHCSHCN\_17(f4.0).  
EXECUTE.

NPM 11	<b>Medical home, children without special health care needs (Non-CSHCN) (npm11MHnonCSHCN_17)</b>
<b>Description</b>	Percent of children without special health care needs, ages 0 through 17, who have a medical home
<b>Survey Items Used</b>	<p>Survey instrument item number for children 0-5 years: C9,C10, D1-D4,D7-D12; for children 6-11 years: C7,C8,D1-D4,D7-D12; for children 12-17 years: C8,C9, D1-D4,D7-D12</p> <p>Variable name in public use data file: K4Q01; K4Q02_R; K4Q04_R; K5Q10; K5Q11; K5Q40; K5Q41; K5Q42; K5Q43; K5Q44; K5Q20_R; K5Q21; K5Q22; K5Q30; K5Q31_R; K5Q32; S4Q01</p>
<b>Denominator</b>	Children without special health care needs ages 0 through 17
<b>Numerator/Response Categories</b>	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 a medical home: 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. In the -2017 NSCH, the presence of a medical home was measured by a composite based on five components constructed from a total of 16 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. 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. Further information about the Medical Home concept and measurement is available on the Data Resource Center <a href="#">Medical Home portal</a>. The medical home manual developed by the CAHMI is available on the <a href="#">DRC website</a>.</p>	
<b>Revisions</b>	
<p>In 2017, this measure did not change from the 2016 NSCH. The skip language in K5Q20_R's response option "Did not see more than one health care provider" which skips children away from Care Coordination questions was removed in 2017.</p> <p>Due to changes in the survey's mode of data collection and sampling frame, as well as adjustments to item wording for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analysis.</p>	

**SPSS Syntax and Annotation**

```

COMPUTE PerDrNs_17 = 999.
IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_17 = 1.
IF K4Q04_R = 3 PerDrNs_17 = 2.
IF K4Q04_R=99 PerDrNs_17 = 99.
VARIABLE LABELS PerDrNs_17 "Indicator 4.12a: Medical Home Component: Children with a personal
doctor or nurse".
VALUE LABELS PerDrNs_17
1 "Yes, have at least one personal doctor or nurse"
2 "Do not have a personal doctor or nurse"
99 "Missing".
MISSING VALUES PerDrNs_17(99).
FORMATS PerDrNs_17(f4.0).

COMPUTE UsualSck_17 = 999.
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_17 = 1.
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_17 = 2.
IF K4Q01=99 or K4Q02_R=99 UsualSck_17 = 99.
VARIABLE LABELS UsualSck_17 "Usual sources for sick care".
VALUE LABELS UsualSck_17
1 "Have usual sources for sick care"
2 "Do not have usual sources for sick care"
99 "Missing".

COMPUTE time_17 = 999.
IF S4Q01 = 2 time_17 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_17 = 3.
IF K5Q40 = 2 time_17 = 2.
IF K5Q40 = 1 time_17 = 1.
IF K5Q40 = 99 time_17 = 99.
VARIABLE LABELS time_17 "Doctors spent enough time with children".
VALUE LABELS time_17
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_17(99).

COMPUTE listen_17 = 999.
IF S4Q01 = 2 listen_17 = 0.
IF K5Q41 =3 or K5Q41 = 4 listen_17 = 3.
IF K5Q41 = 2 listen_17 = 2.
IF K5Q41 = 1 listen_17 = 1.
IF K5Q41 = 99 listen_17 = 99.
VARIABLE LABELS listen_17 "Doctors listened carefully to children's parents".
VALUE LABELS listen_17
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_17(99).

```

Title V Block Grant Measures – National Performance Measures

```
COMPUTE sensitiv_17 = 999.  
IF S4Q01 = 2 sensitiv_17 = 0.  
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_17 = 3.  
IF K5Q42 = 2 sensitiv_17 = 2.  
IF K5Q42 = 1 sensitiv_17 = 1.  
IF K5Q42 = 99 sensitiv_17 = 99.  
VARIABLE LABELS sensitiv_17 "Doctors showed sensitivity to children's family's values and customs".  
VALUE LABELS sensitiv_17  
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_17(99).
```

```
COMPUTE info_17 = 999.  
IF S4Q01 = 2 info_17 = 0.  
IF K5Q43 = 3 or K5Q43 = 4 info_17 = 3.  
IF K5Q43 = 2 info_17 = 2.  
IF K5Q43 = 1 info_17 = 1.  
IF K5Q43 = 99 info_17 = 99.  
VARIABLE LABELS info_17 "Doctors provided information specific to parents' concerns".  
VALUE LABELS info_17  
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_17(99).
```

```
COMPUTE partner_17 = 999.  
IF S4Q01 = 2 partner_17 = 0.  
IF K5Q44 = 3 or K5Q44 = 4 partner_17 = 3.  
IF K5Q44 = 2 partner_17 = 2.  
IF K5Q44 = 1 partner_17 = 1.  
IF K5Q44 = 99 partner_17 = 99.  
VARIABLE LABELS partner_17 "Doctors helped parents to feel like partners in child's care".  
VALUE LABELS partner_17  
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_17(99).
```

```
MISSING VALUES time_17 listen_17 sensitiv_17 info_17 partner_17().
```

```
COMPUTE FamCent_17 = 999.  
IF (time_17 = 3 or time_17=99) or (listen_17 = 3 or listen_17 =99) or (sensitiv_17 = 3 or sensitiv_17=99) or  
(info_17 = 3 or info_17=99) or  
(partner_17 = 3 or partner_17=99) FamCent_17 = 2.  
IF (time_17=1 or time_17=2 or time_17=99) and (listen_17=1 or listen_17=2 or listen_17=99) and  
(sensitiv_17=1 or sensitiv_17=2 or sensitiv_17=99) and  
(info_17=1 or info_17=2 or info_17=99) and (partner_17=1 or partner_17=2 or partner_17=99)  
FamCent_17 = 1.  
IF time_17 = 0 FamCent_17 = 0.  
IF time_17 = 99 and listen_17 = 99 and sensitiv_17 = 99 and info_17 = 99 and partner_17 = 99
```

Title V Block Grant Measures – National Performance Measures

FamCent\_17 = 99.

VARIABLE LABELS FamCent\_17 "Indicator 4.12c: Medical Home Component: Family-centered care".

VALUE LABELS FamCent\_17

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 all".

MISSING VALUES FamCent\_17(0,99).

COMPUTE NoRefPrb\_17 = K5Q11.

IF K5Q10=99 NoRefPrb\_17 = 99.

IF K5Q10 = 2 NoRefPrb\_17 = 0.

VARIABLE LABELS NoRefPrb\_17 "Indicator 4.12d: Medical Home Component: Problems getting needed referrals, all children".

VALUE LABELS NoRefPrb\_17

0 "Did not need referrals during the past 12 months"

1 "No problems getting referral, when needed"

2 "Had a small problem getting referrals, when needed"

3 "Had a big problem getting referrals, when needed"

99 "Missing".

MISSING VALUES NoRefPrb\_17(99).

COMPUTE DrComm\_17 = 999.

IF K5Q30 = 1 DrComm\_17 = 1.

IF K5Q30 = 2 DrComm\_17 = 2.

IF K5Q30 = 3 or K5Q30 = 4 DrComm\_17 = 3.

IF K5Q30 = 99 DrComm\_17 = 99.

IF K5Q20\_R = 3 or S4Q01 = 2 DrComm\_17 = 0.

VARIABLE LABELS DrComm\_17 "Satisfaction with communication among child's doctor and other health care provider".

VALUE LABELS DrComm\_17

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\_17().

COMPUTE CareHelp\_17 = 999.

IF K5Q22 = 1 CareHelp\_17 = 1.

IF K5Q20\_R = 1 and K5Q21 = 2 CareHelp\_17 = 1.

IF K5Q22 = 2 or K5Q22 = 3 CareHelp\_17 = 2.

IF K5Q21 = 99 or K5Q22 =99 CareHelp\_17 = 99.

IF K5Q20\_R = 99 CareHelp\_17 = 99.

IF K5Q20\_R = 3 or S4Q01 = 2 CareHelp\_17 = 0.

IF K5Q20\_R = 2 and K5Q21 = 2 CareHelp\_17 = 0.

IF S4Q01 = 99 CareHelp\_17 = 99.

VARIABLE LABELS CareHelp\_17 "Got all needed extra help with care coordination when needed".

VALUE LABELS CareHelp\_17

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\_17 = 999.

IF S4Q01 = 2 or K5Q31\_R = 2 or K5Q31\_R = 3 OthComm\_17 = 0.

IF K5Q32 = 1 OthComm\_17 = 1.

Title V Block Grant Measures – National Performance Measures

IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm\_17 = 2.

IF K5Q32 = 99 OthComm\_17 = 99.

IF K5Q31\_R = 99 OthComm\_17 = 99.

VARIABLE LABELS OthComm\_17 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".

VALUE LABELS OthComm\_17

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\_17 DrComm\_17 OthComm\_17().

COMPUTE CareCoor\_17 = 999.

IF (CareHelp\_17 = 2 or CareHelp\_17=99) or (DrComm\_17 = 2 or DrComm\_17 = 3 or DrComm\_17=99) or (OthComm\_17 = 2 or OthComm\_17=99) CareCoor\_17 = 2.

IF (CareHelp\_17 = 0 or CareHelp\_17 = 1 or CareHelp\_17=99) and (DrComm\_17=0 or DrComm\_17 =1 or DrComm\_17=99) and (OthComm\_17 = 0 or OthComm\_17 = 1 or OthComm\_17=99) CareCoor\_17 = 1.

IF (CareHelp\_17 = 0 or CareHelp\_17=99) and (DrComm\_17 = 0 or DrComm\_17=99) and (OthComm\_17 = 0 or OthComm\_17 = 99) CareCoor\_17 = 0.

IF CareHelp\_17 = 99 and DrComm\_17 = 99 and OthComm\_17 = 99 CareCoor\_17 = 99.

VARIABLE LABELS CareCoor\_17 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".

VALUE LABELS CareCoor\_17

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 all".

MISSING VALUES CareCoor\_17(99).

MISSING VALUES PerDrNs\_17 UsualSck\_17 FamCent\_17 NoRefPrb\_17 CareCoor\_17().

COMPUTE MedHome\_17 = 999.

IF (PerDrNs\_17 = 1 or PerDrNs\_17=99) and (UsualSck\_17 = 1 or UsualSck\_17=99) and (NoRefPrb\_17=1 or NoRefPrb\_17 =0 or NoRefPrb\_17=99) and

(FamCent\_17=1 or FamCent\_17=0 or FamCent\_17=99) and (CareCoor\_17=1 or CareCoor\_17=0 or CareCoor\_17=99) MedHome\_17 = 1.

IF PerDrNs\_17 = 2 or UsualSck\_17 = 2 or (NoRefPrb\_17 = 2 or NoRefPrb\_17=3) or FamCent\_17 = 2 or CareCoor\_17 = 2 MedHome\_17 = 2.

IF PerDrNs\_17 = 99 and UsualSck\_17 = 99 and (FamCent\_17 = 99 or FamCent\_17 = 0) and (NoRefPrb\_17 = 99 or NoRefPrb\_17=0) and (CareCoor\_17 = 99 or CareCoor\_17 = 0) MedHome\_17 = 99.

VARIABLE LABELS MedHome\_17 "Indicator 4.12: Children receiving coordinated, ongoing, comprehensive care within a medical home".

VALUE LABELS MedHome\_17

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to all".

MISSING VALUES MedHome\_17(99).

COMPUTE npm11MHnonCSHCN\_17 = MedHome\_17.

IF SC\_CSHCN = 1 npm11MHnonCSHCN\_17 = 95.

VARIABLE LABELS npm11MHnonCSHCN\_17 "National Performance Measure 11: Percent of children without special health care needs, ages 0 through 17, who have a medical home".

VALUE LABELS npm11MHnonCSHCN\_17

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to any"

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

95 "CSHCN".  
MISSING VALUES npm11MHnonCSHCN\_17(95,99).  
FORMATS npm11MHnonCSHCN\_17(f4.0).  
EXECUTE.

NPM 12	<b>Transition to adult health care, CSHCN age 12-17 years (npm12TransCSHCN_17)</b>
<b>Description</b>	Percent of adolescents with special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care
<b>Survey Items Used</b>	Survey instrument item number for children 12-17 years: C4; D13, D14, D15c,d Variable in public use data file: DOCPRIVATE, K4Q20R, S4Q01; CHANGEAGE; GAINSKILLS; TREATCHILD; TREATADULT
<b>Denominator</b>	Children with special health care needs age 12-17 years
<b>Numerator/Response Categories</b>	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>	
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 their 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 health care. Respondents with "missing" to all items were set to missing. 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
*Transition Part A: Time alone with health care provider*	
<pre> COMPUTE TimeAlone_17 = 999. IF DOCPRIVATE = 1 TimeAlone_17 = 1. IF DOCPRIVATE = 2 TimeAlone_17 = 2. IF DOCPRIVATE = 99 TimeAlone_17 = 99. IF K4Q20R = 1 TimeAlone_17 = 2. IF S4Q01 =99 or K4Q20R = 99 TimeAlone_17 = 99. IF S4Q01 = 2 TimeAlone_17 = 2. IF SC_AGE_YEARS &lt; 12 TimeAlone_17 = 90. VARIABLE LABELS TimeAlone_17 "Children who had time alone with health care provider at last check-up, age 12-17 years". VALUE LABELS TimeAlone_17 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_17(). FORMATS TimeAlone_17(f2.0). </pre>	

EXECUTE.

\*Transition Part B: Active work with child\*

COMPUTE ActiveWork\_17 = 2.

IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork\_17 = 1.

IF (CHANGEAGE = 3 or CHANGEAGE = 99) and (GAINSKILLS =3 or GAINSKILLS = 99) ActiveWork\_17 = 99.

IF SC\_AGE\_YEARS < 12 ActiveWork\_17 = 90.

VARIABLE LABELS ActiveWork\_17 "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\_17

1 "Met the criteria"

2 "Did not met criteria"

99 "Missing/Don't know"

90 "Children age 0-11 years".

MISSING VALUES ActiveWork\_17().

FORMATS ActiveWork\_17(f2.0).

EXECUTE.

\*Transition Part C: Anticipatory guidance\*

COMPUTE TrtChild\_17 = TREATCHILD.

IF SC\_AGE\_YEARS < 12 TrtChild\_17 = 90.

VARIABLE LABELS TrtChild\_17 "Doctor or health care provider treat only children, age 12-17 years".

VALUE LABELS TrtChild\_17

1 "Yes"

2 "No"

99 "Missing"

90 "Children age 0-11 years".

COMPUTE TrtAdult\_17 = 999.

IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult\_17 = 1.

IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult\_17 = 2.

IF TREATCHILD = 99 or TREATADULT = 99 TrtAdult\_17 = 99.

IF TREATCHILD = 2 TrtAdult\_17 = 95.

IF SC\_AGE\_YEARS < 12 TrtAdult\_17 = 90.

VARIABLE LABELS TrtAdult\_17 "Provider discussed shift to adult health care providers if needed, age 12-17 years".

VALUE LABELS TrtAdult\_17

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\_17().

FORMATS TrtAdult\_17(f2.0).

EXECUTE.

COMPUTE Transition\_17 = 999.

IF (TimeAlone\_17 = 1 or TimeAlone\_17 =99) or (ActiveWork\_17 = 1 or ActiveWork\_17 =99) or (TrtAdult\_17 = 1 or TrtAdult\_17=95 or TrtAdult\_17=99) Transition\_17 = 1.

IF TimeAlone\_17 = 2 or ActiveWork\_17 = 2 or TrtAdult\_17 = 2 Transition\_17 = 2.

IF TimeAlone\_17 = 99 and ActiveWork\_17 = 99 and TrtAdult\_17 = 99 Transition\_17 = 99.

IF SC\_AGE\_YEARS < 12 Transition\_17 = 90.

VARIABLE LABELS Transition\_17 "Indicator 4.15: Adolescents who received services necessary to make

planning transitions to adult health care".

VALUE LABELS Transition\_17

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\_17(90,99).

FORMATS Transition\_17(f2.0).

EXECUTE.

COMPUTE npm12TransCSHCN\_17 = Transition\_17.

IF SC\_CSHCN = 2 npm12TransCSHCN\_17 = 95.

IF SC\_AGE\_YEARS < 12 npm12TransCSHCN\_17 = 90.

VARIABLE LABELS npm12TransCSHCN\_17 "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\_17

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\_17(90,95,99).

FORMATS npm12TransCSHCN\_17(f4.0).

EXECUTE.

NPM 12	<b>Transition to adult health care, Non-CSHCN age 12-17 years (npm12TransNonCSHCN_17)</b>
<b>Description</b>	Percent of adolescents without special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care
<b>Survey Items Used</b>	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
<b>Denominator</b>	Children without special health care needs age 12-17 years
<b>Numerator/Response Categories</b>	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>	
In order to meet the criteria for this measure, 12-17 years old non-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. 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 health care. Respondents with "missing" to all items were set to missing. 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.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<p>*Transition Part A: Time alone with health care provider*</p> <pre> COMPUTE TimeAlone_17 = 999. IF DOCPRIVATE = 1 TimeAlone_17 = 1. IF DOCPRIVATE = 2 TimeAlone_17 = 2. IF DOCPRIVATE = 99 TimeAlone_17 = 99. IF K4Q20R = 1 TimeAlone_17 = 2. IF S4Q01 =99 or K4Q20R = 99 TimeAlone_17 = 99. IF S4Q01 = 2 TimeAlone_17 = 2. IF SC_AGE_YEARS &lt; 12 TimeAlone_17 = 90. VARIABLE LABELS TimeAlone_17 "Children who had time alone with health care provider at last check-up, age 12-17 years". VALUE LABELS TimeAlone_17 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_17(). </pre>	

FORMATS TimeAlone\_17(f2.0).  
EXECUTE.

\*Transition Part B: Active work with child\*

```
COMPUTE ActiveWork_17 = 2.  
IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork_17 = 1.  
IF (CHANGEAGE = 3 or CHANGEAGE = 99) and (GAINSKILLS =3 or GAINSKILLS = 99) ActiveWork_17  
= 99.  
IF SC_AGE_YEARS < 12 ActiveWork_17 = 90.  
VARIABLE LABELS ActiveWork_17 "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_17  
1 "Met the criteria"  
2 "Did not met criteria"  
99 "Missing/Don't know"  
90 "Children age 0-11 years".  
MISSING VALUES ActiveWork_17().  
FORMATS ActiveWork_17(f2.0).  
EXECUTE.
```

\*Transition Part C: Anticipatory guidance\*

```
COMPUTE TrtChild_17 = TREATCHILD.  
IF SC_AGE_YEARS < 12 TrtChild_17 = 90.  
VARIABLE LABELS TrtChild_17 "Doctor or health care provider treat only children, age 12-17 years".  
VALUE LABELS TrtChild_17  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-11 years".
```

```
COMPUTE TrtAdult_17 = 999.  
IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult_17 = 1.  
IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult_17 = 2.  
IF TREATCHILD = 99 or TREATADULT = 99 TrtAdult_17 = 99.  
IF TREATCHILD = 2 TrtAdult_17 = 95.  
IF SC_AGE_YEARS < 12 TrtAdult_17 = 90.  
VARIABLE LABELS TrtAdult_17 "Provider discussed shift to adult health care providers if needed, age 12-  
17 years".  
VALUE LABELS TrtAdult_17  
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_17().  
FORMATS TrtAdult_17(f2.0).  
EXECUTE.
```

```
COMPUTE Transition_17 = 999.  
IF (TimeAlone_17 = 1 or TimeAlone_17 =99) or (ActiveWork_17 = 1 or ActiveWork_17 =99) or (TrtAdult_17  
= 1 or TrtAdult_17=95 or TrtAdult_17=99) Transition_17 = 1.  
IF TimeAlone_17 = 2 or ActiveWork_17 = 2 or TrtAdult_17 = 2 Transition_17 = 2.  
IF TimeAlone_17 = 99 and ActiveWork_17 = 99 and TrtAdult_17 = 99 Transition_17 = 99.  
IF SC_AGE_YEARS < 12 Transition_17 = 90.  
VARIABLE LABELS Transition_17 "Indicator 4.15: Adolescents who received services necessary to make
```

planning transitions to adult health care".

VALUE LABELS Transition\_17

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\_17(90,99).

FORMATS Transition\_17(f2.0).

EXECUTE.

COMPUTE npm12TransNonCSHCN\_17 = Transition\_17.

IF SC\_CSHCN = 1 npm12TransNonCSHCN\_17 = 95.

IF SC\_AGE\_YEARS < 12 npm12TransNonCSHCN\_17 = 90.

VARIABLE LABELS npm12TransNonCSHCN\_17 "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".

VALUE LABELS npm12TransNonCSHCN\_17

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 "CSHCN age 12-17 years"

90 "Children age 0-11 years".

MISSING VALUES npm12TransNonCSHCN\_17(90,95,99).

FORMATS npm12TransNonCSHCN\_17(f4.0).

EXECUTE.

<b>NPM 13.2</b>	<b>Preventive dental visit, age 1-17 years (npm13_2DePrev_17)</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 age 1-17 years
<b>Numerator/Response Categories</b>	Children who did not have preventive dental visits during the past 12 months; Children who had one or more preventive dental visits during 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</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE PrevDent_17 = 999. IF DENTISTVISIT = 2 or DENTISTVISIT = 3 PrevDent_17 = 1. IF DENTISTVISIT = 1 PrevDent_17 = 2. IF DENTISTVISIT = 99 PrevDent_17 = 99. IF K4Q30_R = 3 PrevDent_17 = 2. IF K4Q30_R = 99 PrevDent_17 = 99. IF SC_AGE_YEARS &lt; 1 PrevDent_17 = 95. VARIABLE LABELS PrevDent_17 "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_17 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES PrevDent_17(95,99). FORMATS PrevDent_17(f2.0).  COMPUTE npm13_2DePrev_17 = PrevDent_17. VARIABLE LABELS npm13_2DePrev_17 "National Performance Measure 13.2: Percent of children, age 1-17 years, who had a preventive dental visit in the past year". VALUE LABELS npm13_2DePrev_17 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES npm13_2DePrev_17(95,99). FORMATS npm13_2DePrev_17(f2.0). EXECUTE. </pre>	

NPM 14.2	<b>Someone living in the household smokes (npm14_2Smoke_17)</b>
<b>Description</b>	Percent of children, ages 0 through 17, who live in households where someone smokes
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: I2; for children 6-11 years: I2; for children 12-17 years: I2 Variable name in public use data file: K9Q40
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Responsible Categories</b>	Children who live in households where someone smokes; Children who live in households where no one smokes
<b>Notes for Data-Users</b>	
The Maternal and Child Health Bureau (MCHB) defines this measure as children who live in a household with someone who smokes. The measure does not specify if the smoker smokes in the house. The survey item used to create the measure asked whether anyone living in your household uses cigarettes, cigars, or pipe tobacco.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K9Q40 (1=1) (2=2) (99=99) into smoking_17. VARIABLE LABELS smoking_17 "Indicator 6.4: Children who live in households where someone uses cigarettes, cigars, or pipe tobacco". VALUE LABELS smoking_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES smoking_17(99). FORMATS smoking_17(f4.0). EXECUTE.  COMPUTE npm14_2Smoke_17 = smoking_17. VARIABLE LABELS npm14_2Smoke_17 "National Performance Measure 14.2: Percent of children, ages 0 through 17, who live in households where someone smokes". VALUE LABELS npm14_2Smoke_17 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES npm14_2Smoke_17(99). FORMATS npm14_2Smoke_17(f4.0). EXECUTE. </pre>	

<b>NPM 15</b>	<b>Adequate and continues insurance (npm15AdIns_17)</b>
<b>Description</b>	Percent of children, ages 0 through 17, who are continuously and adequately insured
<b>Survey Items Used</b>	Survey instrument item number for children 0-5 years: E1, E3, E5, E6, F1, F2; for children 6-11 years: E1, E3, E5, E6, F1, F2; for children 12-17 years: E1, E3, E5, E6, F1, F2 Variable in public use data file: CURRINS (derived); INSGAP (derived); K3Q20; K3Q22; K3Q21B; HOWMUCH
<b>Denominator</b>	Children age 0-17 years
<b>Numerator/Response Categories</b>	Children with adequate current insurance for their needs and insured all of past 12 months; Children with current insurance NOT adequate for their needs and/or had a gap in insurance coverage during the past 12 months
<b>Notes for Data-Users</b>	
To qualify this measure the child must meet the following two criteria: 1) having continuous insurance in the past 12 months, and 2) having current insurance which is adequate for the child's healthcare needs. The child's current insurance was considered adequate when the following criteria were met: (a) the child currently has health insurance coverage, AND (b) benefits usually or always meet child's needs, AND (c) the insurance usually or always allows the child to see needed providers, AND (d) the insurance either has no out-of-pocket expenses or out-of-pocket expenses are usually or always reasonable.	
The measure is only considered missing if both items are missing. Therefore, children with a valid, positive response to either portion of the measure and missing to the other portion are categorized as having adequate and continuous insurance.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE insurance_17 = 1. IF (InsGap_17 = 1 or InsGap_17 = 99) and (InsAdeq_17 = 1 or InsAdeq_17 =99) insurance_17 = 1. IF CurrIns_17 = 2 or InsGap_17 = 2 or InsAdeq_17 = 2 insurance_17 = 2. IF InsGap_17 = 99 and InsAdeq_17 = 99 insurance_17 = 99. VARIABLE LABELS insurance_17 "Indicator 3.4a: Children who are adequately and continuously insured; that is, is their current insurance adequate and were they insured for the entire past 12 months". VALUE LABELS insurance_17 1 "Current insurance is adequate and continuously insured in past year" 2 "Current insurance is inadequate and/or had gap in insurance coverage in past year" 99 "Missing to both". MISSING VALUES insurance_17 ()). FORMATS insurance_17 (f2.0).  COMPUTE npm15AdIns_17 = insurance_17. VARIABLE LABELS npm15AdIns_17 "National Performance Measure 15: Percent of children, ages 0 through 17, who are continuously and adequately insured". </pre>	

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

VALUE LABELS npm15AdIns\_17

1 "Current insurance is adequate and continuously insured in past year"

2 "Current insurance is inadequate and/or had gap in insurance coverage in past year"

99 "Missing to both questions".

MISSING VALUES npm15AdIns\_17 (99).

FORMATS npm15AdIns\_17 (F3.0).

EXECUTE.

## National Outcome Measures

<b>NOM 14</b>	Tooth decay/cavities, age 1-17 years (nom14TthDec_17)
<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 age 1-17 years
<b>Numerator</b>	Children, ages 1 through 17, who had decayed teeth or cavities in the past year
<b>Notes for Data-Users</b>	
This measure was derived from a single item.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE nom14TthDec_17 = CAVITIES. IF SC AGE YEARS &lt;1 nom14TthDec_17 = 95. VARIABLE LABELS nom14TthDec_17 "National Outcome Measure 14: Percent of children, ages 1 through 17, who had decayed teeth or cavities in the past year". VALUE LABELS nom14TthDec_17 1 "Yes, tooth decay or cavities" 2 "No tooth decay or cavities" 95 "Children age &lt;1 year" 99 "Missing". MISSING VALUES nom14TthDec_17(95,99). FORMATS nom14TthDec_17(f2.0). EXECUTE. </pre>	

<b>NOM 17.1</b>	<b>Children with special health care needs (nom17_1CSHCN_17)</b>
<b>Description</b>	Percent of children with special health care needs (CSHCN), ages 0 through 17
<b>Survey Items Used</b>	These items are asked among all children in the initial household screener questionnaire. The screener item numbers: 6,7,8,9,10 Variable in public use data file: SC_K2Q10; SC_K2Q11; SC_K2Q12; SC_K2Q13; SC_K2Q14; SC_K2Q15; SC_K2Q16; SC_K2Q17; SC_K2Q18; SC_K2Q19; SC_K2Q20; SC_K2Q21; SC_K2Q22; SC_K2Q23
<b>Denominator</b>	Children age 0-17 years
<b>Numerator</b>	Children, ages 0 through 17, who met the criteria for having a special health care need based on the CSHCN screener
<b>Notes for Data-Users</b>	
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 <a href="#">Child and Adolescent Health Measurement Initiative's website</a> .	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE rxmeds_17 = 2. IF ((SC_K2Q10 = 1) and (SC_K2Q11 = 1) and (SC_K2Q12 = 1)) rxmeds_17 = 1. VARIABLE LABELS rxmeds_17 "Children qualifying on the CSHCN Screener prescription medication criteria". VALUE LABELS rxmeds_17 1 "Meet screening criteria" 2 "Do not meet screening criteria". FORMATS rxmeds_17(f4.0). EXECUTE.  COMPUTE serve_17 = 2. If ((SC_K2Q13 = 1) and (SC_K2Q14 = 1) and (SC_K2Q15 = 1)) serve_17 = 1. VARIABLE LABELS serve_17 "Children qualifying on the CSHCN Screener for elevated use of services criteria". VALUE LABELS serve_17 1 "Meet screening criteria" 2 "Do not meet screening criteria". FORMATS serve_17(f4.0). EXECUTE. </pre>	

```

COMPUTE func_17 = 2.
IF ((SC_K2Q16 = 1) and (SC_K2Q17 = 1) and (SC_K2Q18 = 1)) func_17 = 1.
VARIABLE LABELS func_17 "Children qualifying on the CSHCN Screener functional limitations criteria".
VALUE LABELS func_17
1 "Meet screening criteria"
2 "Do not meet screening criteria".
EXECUTE.

COMPUTE therapy_17 = 2.
IF ((SC_K2Q19 = 1) and (SC_K2Q20 = 1) and (SC_K2Q21 = 1)) therapy_17 = 1.
VARIABLE LABELS therapy_17 "Children qualifying on the CSHCN Screener specialized therapy criteria".
VALUE LABELS therapy_17
1 "Meet screening criteria"
2 "Do not meet screening criteria".
FORMATS therapy_17(f4.0).
EXECUTE.

COMPUTE mhealth_17 = 2.
IF ((SC_K2Q22 = 1) and (SC_K2Q23 = 1)) mhealth_17 = 1.
VARIABLE LABELS mhealth_17 "Qualified on ongoing emotional, developmental or behavioral conditions".
VALUE LABELS mhealth_17
1 "Meet screening criteria"
2 "Do not meet screening criteria".
FORMATS mhealth_17(f4.0).
EXECUTE.

COUNT qualnum_17=rxmeds_17 serve_17 func_17 therapy_17 mhealth_17(1).
VARIABLE LABELS qualnum_17 "Number of qualifying CSHCN Screener answers".
VALUE LABELS qualnum_17
0 "No qualifying answers"
1 "One qualifying answer"
2 "Two qualifying answers"
3 "Three qualifying answers"
4 "Four qualifying answers"
5 "Five qualifying answers".
FORMATS qualnum_17 (f4.0).
EXECUTE.

COMPUTE CSHCN_17 = 999.
IF qualnum_17 = 0 CSHCN_17 = 2.
IF qualnum_17 > 0 CSHCN_17 = 1.
VARIABLE LABELS CSHCN_17 "Indicator 1.11: Children with special health care needs".
VALUE LABELS CSHCN_17
1 "CSHCN"
2 "Non-CSHCN".
FORMATS CSHCN_17 (f4.0).
EXECUTE.

COMPUTE nom17_1CSHCN = CSHCN_17.
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).

```

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

FORMATS nom17\_1CSHCN(f4.0).  
EXECUTE.

<b>NOM 17.2</b>	<b>Systems of care, children with special health care needs (nom17_2sysCSHCN_17)</b>
<b>Description</b>	Percent of children with special health care needs (CSHCN), ages 0 through 17, who receive care in a well-functioning system
<b>Survey Items Used</b>	Over 50 different survey questions are used to construct this measure.
<b>Denominator</b>	Children with special health care needs, ages 0 through 17
<b>Numerator</b>	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 receives care with medical home, child had a past-year preventive medical and dental visit, child has adequate insurance, and child did not have a time when he/she needed health care that was not received or was frustrated in receiving health care. 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. 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>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE insurance_17 = 1. IF (InsGap_17 = 1 or InsGap_17 = 99) and (InsAdeq_17 = 1 or InsAdeq_17 =99) insurance_17 = 1. IF CurrIns_17 = 2 or InsGap_17 = 2 or InsAdeq_17 = 2 insurance_17 = 2. IF InsGap_17 = 99 and InsAdeq_17 = 99 insurance_17 = 99. VARIABLE LABELS insurance_17 "Children who have adequate insurance and were covered entire year". VALUE LABELS insurance_17 1 "Have adequate insurance covered entire year" 2 "Do not have adequate insurance" 99 "Missing to both". MISSING VALUES insurance_17 ().  FORMATS insurance_17 (f2.0).  MISSING VALUES CurrIns_17 InsGap_17(99). MISSING VALUES InsAdeq_17(95,99).  MISSING VALUES PrevMed_17 PrevDent_17().  COMPUTE MedDentSyst_17 = 999. </pre>	

Title V Block Grant Measures - National Outcome Measures

IF (PrevMed\_17 = 1 or PrevMed\_17 = 99) and (PrevDent\_17=1 or PrevDent\_17=95 or PrevDent\_17=99) MedDentSyst\_17 = 1.  
IF PrevMed\_17 = 2 or PrevDent\_17 = 2 MedDentSyst\_17 = 2.  
IF PrevMed\_17 = 99 and (PrevDent\_17 = 99 or PrevDent\_17=95) MedDentSyst\_17 = 99.  
VARIABLE LABELS MedDentSyst\_17 "Indicator 4.3: Children received both preventive medical and dental care visits in past 12 months ".  
VALUE LABELS MedDentSyst\_17  
1 "Received preventive medical and dental care"  
2 "Did not receive preventive medical and dental care"  
99 "Missing to both".

MISSING VALUES PrevMed\_17(99).  
MISSING VALUES PrevDent\_17(95,99).

COMPUTE UnmetFrust\_17 = 999.  
IF (K4Q27 = 2 or K4Q27 =99) and (C4Q04 = 1 or C4Q04 = 2 or C4Q04 =99) UnmetFrust\_17 = 1.  
IF K4Q27 = 1 or (C4Q04 = 3 or C4Q04 = 4) UnmetFrust\_17 = 2.  
IF K4Q27 = 99 and C4Q04 = 99 UnmetFrust\_17 = 99.  
VARIABLE LABELS UnmetFrust\_17 "Children whose parents had difficulties in accessing care and always or usually frustrated in effort getting services for their children".  
VALUE LABELS UnmetFrust\_17  
1 "No unmet need and frustration"  
2 "Experienced unmet need and frustration (usually/alway frustrated)"  
99 "Missing".

MISSING VALUES ShareDec\_17 MedHome\_17 Insurance\_17 MedDentSyst\_17 UnmetFrust\_17 Transition\_17().

COMPUTE sys0to11care2\_17 = 999.  
IF (ShareDec\_17 = 0 or ShareDec\_17 = 1 or ShareDec\_17=99) and (MedHome\_17 = 1 or MedHome\_17 = 99) and (Insurance\_17 = 1 or Insurance\_17 = 99)  
and (MedDentSyst\_17 = 1 or MedDentSyst\_17=99) and (UnmetFrust\_17 = 1 or UnmetFrust\_17=99)  
sys0to11care2\_17 = 1.  
IF ShareDec\_17=2 or MedHome\_17 = 2 or Insurance\_17 = 2 or MedDentSyst\_17 = 2 or UnmetFrust\_17 = 2 sys0to11care2\_17 =2.  
IF (ShareDec\_17=0 or ShareDec\_17=99) and MedHome\_17 = 99 and Insurance\_17 = 99 and  
MedDentSyst\_17 = 99 and UnmetFrust\_17 = 99 sys0to11care2\_17 =99.  
IF SC\_AGE\_YEARS > 11 sys0to11care2\_17 = 95.  
VARIABLE LABELS sys0to11care2\_17 "Children ages 0-11 meeting one or more of five criteria for system of care".  
VALUE LABELS sys0to11care2\_17  
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\_17(99).  
EXECUTE.

COMPUTE sys12to17care2\_17 = 999.  
IF (ShareDec\_17 = 0 or ShareDec\_17 = 1 or ShareDec\_17=99) and (MedHome\_17 = 1 or MedHome\_17 = 99) and (Insurance\_17 = 1 or Insurance\_17 = 99)  
and (MedDentSyst\_17 = 1 or MedDentSyst\_17=99) and (UnmetFrust\_17 = 1 or UnmetFrust\_17=99) and  
(Transition\_17=1 or Transition\_17=99) sys12to17care2\_17 = 1.  
IF ShareDec\_17=2 or MedHome\_17 = 2 or Insurance\_17 = 2 or MedDentSyst\_17 = 2 or UnmetFrust\_17 = 2 or Transition\_17=2 sys12to17care2\_17 =2.  
IF (ShareDec\_17=0 or ShareDec\_17=99) and MedHome\_17 = 99 and Insurance\_17 = 99 and  
MedDentSyst\_17 = 99 and UnmetFrust\_17 = 99 and Transition\_17=99 sys12to17care2\_17 =99.

Title V Block Grant Measures - National Outcome Measures

```
IF SC_AGE_YEARS < 12 sys12to17care2_17 = 95.  
VARIABLE LABELS sys12to17care2_17 "Children ages 12-17 meeting one or more of five criteria for  
system of care".  
VALUE LABELS sys12to17care2_17  
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_17(99).  
EXECUTE.
```

```
MISSING VALUES sys0to11care2_17 sys12to17care2_17().
```

```
COMPUTE SystCare2_17=99.  
IF sys0to11care2_17 = 1 or sys12to17care2_17 = 1 SystCare2_17 =1.  
IF sys0to11care2_17 = 2 or sys12to17care2_17 = 2 SystCare2_17 =2.  
IF sys0to11care2_17 = 99 and sys12to17care2_17 = 99 SystCare2_17 =2.  
VARIABLE LABELS SystCare2_17 "Indicator 4.17: Percent of children received care in a well-functioning  
system".  
VALUE LABELS SystCare2_17  
1 "Received care in a well-functioning system"  
2 "Did not receive care in a well-functioning system"  
99 "Missing".  
MISSING VALUES SystCare2_17(99).  
EXECUTE.
```

```
COMPUTE nom17_2sysCSHCN_17 = SystCare2_17.  
IF SC_CSHCN = 2 nom17_2sysCSHCN_17 = 95.  
VARIABLE LABELS nom17_2sysCSHCN_17 "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".  
VALUE LABELS nom17_2sysCSHCN_17  
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_17(95,99).  
EXECUTE.
```

<b>NOM 17.3</b>	<b>Autism/ASD, age 3-17 years (nom17_3ASD_17)</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 age 3-17 years
<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. Last, even though the 2017 NSCH asked these questions among all children 0-17 years old, this measure only includes children 3 to 17 years old.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE autism_17 = 999. IF K2Q35A = 2 autism_17 = 1. IF K2Q35A = 1 and K2Q35B = 2 autism_17 = 2. IF K2Q35A = 1 and K2Q35B = 1 autism_17 = 3. IF K2Q35A=99 or K2Q35B=99 autism_17 = 99. IF SC_AGE_YEARS &lt; 3 autism_17 = 95. VARIABLE LABELS autism_17 "Children currently have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder, age 3-17 years". VALUE LABELS autism_17 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 nom17_3ASD_17 = autism_17. VARIABLE LABELS nom17_3ASD_17 "National Outcome Measure 17.3: Percent of children, ages 3 through 17, diagnosed with an autism spectrum disorder". VALUE LABELS nom17_3ASD_17 </pre>	

Title V Block Grant Measures - National Outcome Measures

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 nom17\_3ASD\_17(95,99).  
FORMATS nom17\_3ASD\_17(f4.0).  
EXECUTE.

<b>NOM 17.4</b>	<b>ADD/ADHD, age 3-17 years (nom17_4ADHD_17)</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 age 3-17 years
<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 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. Last, even though the 2017 NSCH asked these questions among all children 0-17 years old, this measure only includes children 3 to 17 years old.</p>	
<b>Revisions</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ADHD_17 = 999. IF K2Q31A = 2 ADHD_17 = 1. IF K2Q31A = 1 and K2Q31B = 2 ADHD_17 = 2. IF K2Q31A = 1 and K2Q31B = 1 ADHD_17 = 3. IF K2Q31A=99 or K2Q31B=99 ADHD_17 = 99. IF SC_AGE_YEARS &lt; 3 ADHD_17 = 95. VARIABLE LABELS ADHD_17 "Children currently have ADD or ADHD, age 3-17 years". VALUE LABELS ADHD_17 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 nom17_4ADHD_17 = ADHD_17. VARIABLE LABELS nom17_4ADHD_17 "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_17 </pre>	

Title V Block Grant Measures - National Outcome Measures

```
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 nom17_4ADHD_17(95.99).  
FORMATS nom17_4ADHD_17(f4.0).  
EXECUTE.
```

<b>NOM 18</b>	<b>Mental health treatment, age 3-17 years (nom18MHlth_17)</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>	Children age 3-17 years, 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/Response Categories</b>	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. 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 it", and "Did not receive mental health care, but did not need it" were combined to identify children who did not receive mental health care.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre>MISSING VALUES depress_17 anxiety_17 behavior_17.  COUNT ment3cond_17=depress_17 anxiety_17 behavior_17(3). IF depress_17=99 and anxiety_17 = 99 and behavior_17 =99 ment3cond_17 = 99. IF SC_AGE_YEARS &lt; 3 ment3cond_17 = 95. VARIABLE LABELS ment3cond_17 "Number of conditions".  COMPUTE nom18MHlth_17 = 999. IF ment3cond_17 &gt; 0 and K4Q22_R = 1 nom18MHlth_17 = 1. IF ment3cond_17 &gt; 0 and (K4Q22_R=2 or K4Q22_R=3) nom18MHlth_17 = 2. IF ment3cond_17 = 0 nom18MHlth_17 = 95. IF ment3cond_17 = 99 nom18MHlth_17 = 99. IF K4Q22_R = 99 nom18MHlth_17 = 99. IF SC_AGE_YEARS &lt; 3 nom18MHlth_17 = 95.  VARIABLE LABELS nom18MHlth_17 "National Outcome Measure 18: Percent of children, age 3-17 years, with a mental/behavioral condition who receive treatment or counseling". VALUE LABELS nom18MHlth_17 1 "Received treatment" 2 "Needed treatment, did not receive it" 99 "Missing"</pre>	

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

95 "Children age 0-2 years/Do not have any of 3 conditions".

MISSING VALUES nom18MHlth\_17(95,99).

FORMATS nom18MHlth\_17(f2.0).

EXECUTE.

NOM 19	Overall health status (nom19ChHSt_17)
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 age 0 through 17
Numerator/Response Categories	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, poor) into three response categories. Estimates may vary compared to similar indicators from other surveys elsewhere on the CAHMI website because of differences in survey wording and survey administration.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> RECODE K2Q01 (1 thru 2=1) (3=2) (4 thru 5=3) (99=99) into ChHlthSt_17. VARIABLE LABELS ChHlthSt_17 "Indicator 1.1: Children's overall health status". VALUE LABELS ChHlthSt_17 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES ChHlthSt_17(99). FORMATS ChHlthSt_17(f2.0). EXECUTE.  COMPUTE nom19ChHSt_17 = ChHlthSt_17. VARIABLE LABELS nom19ChHSt_17 "National Outcome Measure 19: Percent of children, ages 0 through 17, in excellent or very good health". VALUE LABELS nom19ChHSt_17 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES nom19ChHSt_17(99). FORMATS nom19ChHSt_17(f2.0) . EXECUTE. </pre>	

<b>NOM 20</b>	<b>Obesity, age 10-17 (nom20Obese_17)</b>
<b>Description</b>	Percent of 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 6-11 years: C4,5; for children 12-17 years: C5,6 Variable name in public use data file: BMICLASS
<b>Denominator</b>	Children age 10-17 years
<b>Numerator/Response Categories</b>	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. 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 <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. 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., using 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</b>	
<p>This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.</p>	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE BMI4_17 = BMICLASS. IF SC_AGE_YEARS &lt; 10 BMI4_17 = 90. VARIABLE LABELS BMI4_17 "Indicator 1.4: Weight status of children based on Body Mass Index for age - 4 categories, 10-17 years". VALUE LABELS BMI4_17 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_17(90,99). </pre>	

EXECUTE.

COMPUTE nom20obese\_17 = BMI4\_17.

VARIABLE LABELS nom20obese\_17 "National Outcome Measure 20: Percent of children, age 10-17 years, who are obese (BMI at or above the 95th percentile)".

VALUE LABELS nom20obese\_17

1 "Underweight (less than 5th percentile)"

2 "Normal 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\_17(90,99).

FORMATS nom20obese\_17(f4.0).

EXECUTE.

<b>NOM 25</b>	<b>Forgone health care (nom25ForgoneHC_17)</b>
<b>Description</b>	Percent of children, ages 0 through 17, who were not able to obtain needed health care in the last year
<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/Response Categories</b>	Children who received needed health care; Children who did not receive needed health care
<b>Notes for Data-Users</b>	
This measure was derived from a single item that asks whether the child at any time did not receive health care when needed. Health care includes medical care as well as other kinds of care like dental care, vision care, and mental health services.	
<b>Revisions</b>	
This measure did not change from the 2016 NSCH, therefore the results may be compared. Due to changes in the administration and sampling for the NSCH, results from surveys prior to 2016 are not directly comparable and should not be used to conduct trend analyses.	
<b>SPSS Syntax and Annotation</b>	
<pre> COMPUTE ForgoneCare_17 = K4Q27. VARIABLE LABELS ForgoneCare_17 "Children who needed health care but it was not received". VALUE LABELS ForgoneCare_17 1 "Did not receive needed health care" 2 "Received needed health care (or did not need health care)" 99 "Missing". MISSING VALUES ForgoneCare_17(99). EXECUTE.  COMPUTE nom25ForgoneHC_17 = ForgoneCare_17. VARIABLE LABELS nom25ForgoneHC_17 "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_17 1 "Needed care, but did not receive" 2 "Received needed care" 99 "Missing". MISSING VALUES nom25ForgoneHC_17(99). EXECUTE. </pre>	

## Appendix A: Unweighted Frequency Tables

### Child and Family Health Measures and Subgroups

---



**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.

## Physical, Oral Health and Functional Status

### ChHlthSt\_17 Indicator 1.1: Children's overall health status

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	19824	91.8	92.0	92.0
	2 Good	1446	6.7	6.7	98.7
	3 Fair or poor	279	1.3	1.3	100.0
	Total	21549	99.8	100.0	
Missing	99 Missing	50	.2		
Total		21599	100.0		

### TeethCond\_17 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	17139	79.4	82.8	82.8
	2 Good	2751	12.7	13.3	96.1
	3 Fair or poor	812	3.8	3.9	100.0
	Total	20702	95.8	100.0	
Missing	95 Children age less than year old or Children with no teeth	839	3.9		
	99 Missing	58	.3		
	Total	897	4.2		
	Total	21599	100.0		

### OralProb\_17 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	2275	10.5	11.0	11.0
	2 No oral health problems	18479	85.6	89.0	100.0
	Total	20754	96.1	100.0	
Missing	95 Children age less than 1 year	796	3.7		
	99 Missing to all	49	.2		
	Total	845	3.9		
Total		21599	100.0		

### toothache\_17 Children who had toothache during the past 12 months, age 1-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	526	2.4	2.5	2.5
	2 No	20123	93.2	97.5	100.0
	Total	20649	95.6	100.0	
Missing	95 Children age less than 1 year old	796	3.7		
	99 Missing	154	.7		
	Total	950	4.4		
Total		21599	100.0		

**gumbleed\_17 Children who had bleeding gum during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	312	1.4	1.5	1.5
	2 No	20265	93.8	98.5	100.0
	Total	20577	95.3	100.0	
Missing	95 Children age less than 1 year old	796	3.7		
	99 Missing	226	1.0		
	Total	1022	4.7		
Total		21599	100.0		

**cavities\_17 Children who had decayed teeth or cavities during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1914	8.9	9.3	9.3
	2 No	18693	86.5	90.7	100.0
	Total	20607	95.4	100.0	
Missing	95 Children age less than 1 year old	796	3.7		
	99 Missing	196	.9		
	Total	992	4.6		
Total		21599	100.0		

**BrstEver\_17 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	5180	24.0	84.9	84.9
	2 No	922	4.3	15.1	100.0
	Total	6102	28.3	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	99 Missing	59	.3		
	Total	15497	71.7		
Total		21599	100.0		

**ExBrstFd\_17 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	890	4.1	15.5	15.5
	2 Exclusively breastfed for first 6 months	1456	6.7	25.4	40.9
	3 Breastfed first six months, not exclusively	3344	15.5	58.3	99.2
	4 Breastfed, exclusivity not known	46	.2	.8	100.0
	Total	5736	26.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children less than 6 months	368	1.7		
	99 Missing	57	.3		
	Total	15863	73.4		
Total		21599	100.0		

**BMI4\_17 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)	697	3.2	6.4	6.4
	2 Healthy weight (5th to 84th percentile)	7174	33.2	66.2	72.6
	3 Overweight (85th to 94th percentile)	1533	7.1	14.1	86.8
	4 Obese (95th percentile or above)	1435	6.6	13.2	100.0
	Total	10839	50.2	100.0	
Missing	90 Children age 0-9 years	10284	47.6		
	99 Missing	476	2.2		
	Total	10760	49.8		
Total		21599	100.0		

**BMI3\_17 Indicator 1.4a: Weight status of children based on Body Mass Index for age - 3 categories, 10-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Underweight (less than 5th percentile)	697	3.2	6.4	6.4
	2 Healthy weight (5th to 84th percentile)	7174	33.2	66.2	72.6
	3 Overweight or obese (85th percentile or above)	2968	13.7	27.4	100.0
	Total	10839	50.2	100.0	
Missing	90 Children age 0-9 years	10284	47.6		
	99 Missing	476	2.2		
	Total	10760	49.8		
Total		21599	100.0		

**PhysAct\_17 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	1374	6.4	9.0	9.0
	2 1-3 days	5912	27.4	38.8	47.8
	3 4-6 days	4928	22.8	32.3	80.1
	4 Everyday	3025	14.0	19.9	100.0
	Total	15239	70.6	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	199	.9		
	Total	6360	29.4		
Total		21599	100.0		

**WgtConcn\_17 Indicator 1.6: Parental concern about their children's weight**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes, concerned it is too high	1563	7.2	7.3	7.3
	2 Yes, concerned it is too low	558	2.6	2.6	9.9
	3 No, not concerned	19277	89.2	90.1	100.0
	Total	21398	99.1	100.0	
Missing	99 Missing	201	.9		
Total		21599	100.0		

**LowBWght\_17 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)	1717	7.9	8.3	8.3
	2 Not born with a low birth weight	18954	87.8	91.7	100.0
	Total	20671	95.7	100.0	
Missing	99 Missing	928	4.3		
Total		21599	100.0		

**VeryLBWght\_17 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)	274	1.3	1.3	1.3
	2 Child was born with low birth weight (1500- <2500g)	1443	6.7	7.0	8.3
	3 Not born with a low birth weight	18954	87.8	91.7	100.0
Total		20671	95.7	100.0	
Missing	99 Missing	928	4.3		
Total		21599	100.0		

**BornPre\_17 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	2357	10.9	11.1	11.1
	2 No	18958	87.8	88.9	100.0
	Total	21315	98.7	100.0	
Missing	99 Missing	284	1.3		
Total		21599	100.0		

**Cond2more27\_17 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	12733	59.0	59.0	59.0
	2 Currently have 1 health condition	4396	20.4	20.4	79.3
	3 Currently have 2 or more health conditions	4470	20.7	20.7	100.0
Total		21599	100.0	100.0	

**allergies\_17 Children currently have allergies including food, drug, insect, or other**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	15649	72.5	72.7	72.7
	2 Ever told, but do not currently have condition	1159	5.4	5.4	78.1
	3 Currently have condition	4723	21.9	21.9	100.0
Total		21531	99.7	100.0	
Missing	99 Missing	68	.3		
Total		21599	100.0		

**arthritis\_17 Children currently have arthritis**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	21294	98.6	99.6	99.6
	2 Ever told, but do not currently have condition	16	.1	.1	99.7
	3 Currently have condition	60	.3	.3	100.0
	Total	21370	98.9	100.0	
Missing	99 Missing	229	1.1		
Total		21599	100.0		

**asthma\_17 Children currently have asthma**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	18803	87.1	88.0	88.0
	2 Ever told, but do not currently have condition	895	4.1	4.2	92.2
	3 Currently have condition	1657	7.7	7.8	100.0
	Total	21355	98.9	100.0	
Missing	99 Missing	244	1.1		
Total		21599	100.0		

**blood\_17 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	21391	99.0	99.4	99.4
	2 Ever told, but do not currently have condition	29	.1	.1	99.5
	3 Currently have condition	106	.5	.5	100.0
	Total	21526	99.7	100.0	
Missing	99 Missing	73	.3		
Total		21599	100.0		

**BrainInj\_17 Children currently have a brain injury or concussion**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	20534	95.1	95.5	95.5
	2 Ever told, but do not currently have condition	858	4.0	4.0	99.5
	3 Currently have condition	116	.5	.5	100.0
	Total	21508	99.6	100.0	
Missing	99 Missing	91	.4		
Total		21599	100.0		

**palsy\_17 Children currently have cerebral palsy**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	21449	99.3	99.6	99.6
	2 Ever told, but do not currently have condition	5	.0	.0	99.7
	3 Currently have condition	74	.3	.3	100.0
	Total	21528	99.7	100.0	
Missing	99 Missing	71	.3		
Total		21599	100.0		

**CystFib\_17 Children currently have cystic fibrosis**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	21510	99.6	100.0	100.0
	2 Ever told, but do not currently have condition	3	.0	.0	100.0
	3 Currently have condition	7	.0	.0	100.0
	Total	21520	99.6	100.0	
Missing	99 Missing	79	.4		
Total		21599	100.0		

**diabetes\_17 Children currently have diabetes**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	21423	99.2	99.6	99.6
	2 Ever told, but do not currently have condition	5	.0	.0	99.6
	3 Currently have condition	91	.4	.4	100.0
	Total	21519	99.6	100.0	
Missing	99 Missing	80	.4		
Total		21599	100.0		

**DownSynd\_17 Children currently have Down Syndrome**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	21494	99.5	99.8	99.8
	2 Ever told, but do not currently have condition	3	.0	.0	99.8
	3 Currently have condition	43	.2	.2	100.0
	Total	21540	99.7	100.0	
Missing	99 Missing	59	.3		
Total		21599	100.0		

**seizure\_17 Children currently have epilepsy or seizure disorder**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	21317	98.7	98.9	98.9
	2 Ever told, but do not currently have condition	95	.4	.4	99.4
	3 Currently have condition	137	.6	.6	100.0
	Total	21549	99.8	100.0	
Missing	99 Missing	50	.2		
Total		21599	100.0		

**genetic\_17 Children currently have a genetic or inherited condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	20751	96.1	96.5	96.5
	2 Ever told, but do not currently have condition	36	.2	.2	96.7
	3 Currently have condition	716	3.3	3.3	100.0
	Total	21503	99.6	100.0	
Missing	99 Missing	96	.4		
Total		21599	100.0		

**heart\_17 Children currently have a heart condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	21039	97.4	97.7	97.7
	2 Ever told, but do not currently have condition	228	1.1	1.1	98.7
	3 Currently have condition	271	1.3	1.3	100.0
	Total	21538	99.7	100.0	
Missing	99 Missing	61	.3		
Total		21599	100.0		

**headache\_17 Children currently have frequent severe headache, including migraine, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	17645	81.7	94.9	94.9
	2 Ever told, but do not currently have condition	248	1.1	1.3	96.2
	3 Currently have condition	701	3.2	3.8	100.0
	Total	18594	86.1	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	63	.3		
	Total	3005	13.9		
Total		21599	100.0		

**tourette\_17 Children currently have Tourette Syndrome, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	18549	85.9	99.7	99.7
	2 Ever told, but do not currently have condition	10	.0	.1	99.7
	3 Currently have condition	52	.2	.3	100.0
	Total	18611	86.2	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	46	.2		
	Total	2988	13.8		
Total		21599	100.0		

**anxiety\_17 Children currently have anxiety problems, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	16560	76.7	89.3	89.3
	2 Ever told, but do not currently have condition	229	1.1	1.2	90.5
	3 Currently have condition	1765	8.2	9.5	100.0
	Total	18554	85.9	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	103	.5		
	Total	3045	14.1		
Total		21599	100.0		

**depress\_17 Children currently have depression, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	17618	81.6	94.8	94.8
	2 Ever told, but do not currently have condition	180	.8	1.0	95.8
	3 Currently have condition	786	3.6	4.2	100.0
	Total	18584	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	73	.3		
	Total	3015	14.0		
Total		21599	100.0		

**behavior\_17 Children currently have behavioral or conduct problems, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	16806	77.8	90.5	90.5
	2 Ever told, but do not currently have condition	391	1.8	2.1	92.6
	3 Currently have condition	1379	6.4	7.4	100.0
	Total	18576	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	81	.4		
	Total	3023	14.0		
Total		21599	100.0		

**SubAbuse\_17 Children currently have substance abuse disorder, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	15247	70.6	99.7	99.7
	2 Ever told, but do not currently have condition	13	.1	.1	99.7
	3 Currently have condition	40	.2	.3	100.0
	Total	15300	70.8	100.0	
Missing	95 Children age 0-5 years	6161	28.5		
	99 Missing	138	.6		
	Total	6299	29.2		
Total		21599	100.0		

**DevDelay\_17 Children currently have any developmental delay, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	17215	79.7	92.7	92.7
	2 Ever told, but do not currently have condition	318	1.5	1.7	94.4
	3 Currently have condition	1035	4.8	5.6	100.0
	Total	18568	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	89	.4		
	Total	3031	14.0		
Total		21599	100.0		

**IntDisab\_17 Children currently have intellectual disability or mental retardation, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	18346	84.9	98.7	98.7
	2 Ever told, but do not currently have condition	6	.0	.0	98.7
	3 Currently have condition	240	1.1	1.3	100.0
	Total	18592	86.1	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	65	.3		
	Total	3007	13.9		
Total		21599	100.0		

**speech\_17 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	17038	78.9	91.6	91.6
	2 Ever told, but do not currently have condition	597	2.8	3.2	94.9
	3 Currently have condition	956	4.4	5.1	100.0
	Total	18591	86.1	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	66	.3		
	Total	3008	13.9		
Total		21599	100.0		

**learning\_17 Children currently have a learning disability, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	17145	79.4	92.2	92.2
	2 Ever told, but do not currently have condition	87	.4	.5	92.7
	3 Currently have condition	1356	6.3	7.3	100.0
	Total	18588	86.1	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	69	.3		
	Total	3011	13.9		
Total		21599	100.0		

**OthrMent\_17 Children currently have any other mental health condition, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	17492	81.0	94.1	94.1
	2 Ever told, but do not currently have condition	41	.2	.2	94.3
	3 Currently have condition	1051	4.9	5.7	100.0
	Total	18584	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	73	.3		
	Total	3015	14.0		
Total		21599	100.0		

**autism\_17 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	17988	83.3	96.8	96.8
	2 Ever told, but do not currently have condition	42	.2	.2	97.1
	3 Currently have condition	548	2.5	2.9	100.0
	Total	18578	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	79	.4		
	Total	3021	14.0		
Total		21599	100.0		

**ADHD\_17 Children currently have ADD or ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	16478	76.3	89.1	89.1
	2 Ever told, but do not currently have condition	157	.7	.8	89.9
	3 Currently have condition	1863	8.6	10.1	100.0
	Total	18498	85.6	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	159	.7		
	Total	3101	14.4		
Total		21599	100.0		

**hearing\_17 Children who have deafness or problems with hearing**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	237	1.1	1.1	1.1
	2 No	21234	98.3	98.9	100.0
	Total	21471	99.4	100.0	
Missing	99 Missing	128	.6		
Total		21599	100.0		

**vision\_17 "Children who have blindness or problems with seeing, even when wearing glasses"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	288	1.3	1.3	1.3
	2 No	21224	98.3	98.7	100.0
	Total	21512	99.6	100.0	
Missing	99 Missing	87	.4		
Total		21599	100.0		

**AllerSev\_17 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	16808	77.8	78.1	78.1
	2 Current condition, rated mild	2731	12.6	12.7	90.8
	3 Current condition, rated moderate/severe	1979	9.2	9.2	100.0
	Total	21518	99.6	100.0	
Missing	99 Missing	81	.4		
Total		21599	100.0		

**ArthrSev\_17 Parent-rated severity of current arthritis**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	21310	98.7	99.7	99.7
	2 Current condition, rated mild	26	.1	.1	99.8
	3 Current condition, rated moderate/severe	33	.2	.2	100.0
	Total	21369	98.9	100.0	
Missing	99 Missing	230	1.1		
Total		21599	100.0		

**AsthmSev\_17 Parent-rated severity of current asthma**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	19698	91.2	92.2	92.2
	2 Current condition, rated mild	1143	5.3	5.4	97.6
	3 Current condition, rated moderate/severe	512	2.4	2.4	100.0
	Total	21353	98.9	100.0	
Missing	99 Missing	246	1.1		
Total		21599	100.0		

**BloodSev\_17 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	21420	99.2	99.5	99.5
	2 Current condition, rated mild	77	.4	.4	99.9
	3 Current condition, rated moderate/severe	28	.1	.1	100.0
	Total	21525	99.7	100.0	
Missing	99 Missing	74	.3		
Total		21599	100.0		

**BrainSev\_17 Parent-rated severity of current brain injury, concussion, or head injury**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	21392	99.0	99.5	99.5
	2 Current condition, rated mild	43	.2	.2	99.7
	3 Current condition, rated moderate/severe	71	.3	.3	100.0
	Total	21506	99.6	100.0	
Missing	99 Missing	93	.4		
Total		21599	100.0		

**PalsySev\_17 Parent-rated severity of current cerebral palsy**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	21454	99.3	99.7	99.7
	2 Current condition, rated mild	35	.2	.2	99.8
	3 Current condition, rated moderate/severe	39	.2	.2	100.0
	Total	21528	99.7	100.0	
Missing	99 Missing	71	.3		
Total		21599	100.0		

**DiabetSev\_17 Parent-rated severity of current diabetes**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	21428	99.2	99.6	99.6
	2 Current condition, rated mild	20	.1	.1	99.7
	3 Current condition, rated moderate/severe	70	.3	.3	100.0
	Total	21518	99.6	100.0	
Missing	99 Missing	81	.4		
Total		21599	100.0		

**DownSSev\_17 Parent-rated severity of current Down Syndrome**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	21497	99.5	99.8	99.8
	2 Current condition, rated mild	14	.1	.1	99.9
	3 Current condition, rated moderate/severe	29	.1	.1	100.0
	Total	21540	99.7	100.0	
Missing	99 Missing	59	.3		
Total		21599	100.0		

**SeizSev\_17 Parent-rated severity of current epilepsy or seizure disorder**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	21412	99.1	99.4	99.4
	2 Current condition, rated mild	72	.3	.3	99.7
	3 Current condition, rated moderate/severe	63	.3	.3	100.0
	Total	21547	99.8	100.0	
Missing	99 Missing	52	.2		
Total		21599	100.0		

**GenetSev\_17 Parent-rated severity of current genetic or inherited condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	20787	96.2	96.7	96.7
	2 Current condition, rated mild	269	1.2	1.3	97.9
	3 Current condition, rated moderate/severe	444	2.1	2.1	100.0
	Total	21500	99.5	100.0	
Missing	99 Missing	99	.5		
Total		21599	100.0		

**HeartSev\_17 Parent-rated severity of current heart condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	21267	98.5	98.7	98.7
	2 Current condition, rated mild	215	1.0	1.0	99.7
	3 Current condition, rated moderate/severe	56	.3	.3	100.0
	Total	21538	99.7	100.0	
Missing	99 Missing	61	.3		
Total		21599	100.0		

**HeadSev\_17 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	17893	82.8	96.3	96.3
	2 Current condition, rated mild	326	1.5	1.8	98.0
	3 Current condition, rated moderate/severe	368	1.7	2.0	100.0
	Total	18587	86.1	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	70	.3		
	Total	3012	13.9		
Total		21599	100.0		

**TouretSev\_17 Parent-rated severity of current Tourette Syndrome, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	18559	85.9	99.7	99.7
	2 Current condition, rated mild	31	.1	.2	99.9
	3 Current condition, rated moderate/severe	20	.1	.1	100.0
	Total	18610	86.2	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	47	.2		
	Total	2989	13.8		
Total		21599	100.0		

**AnxietSev\_17 Parent-rated severity of current anxiety, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	16789	77.7	90.6	90.6
	2 Current condition, rated mild	840	3.9	4.5	95.1
	3 Current condition, rated moderate/severe	910	4.2	4.9	100.0
	Total	18539	85.8	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	118	.5		
	Total	3060	14.2		
Total		21599	100.0		

**DepresSev\_17 Parent-rated severity of current depression, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	17798	82.4	95.8	95.8
	2 Current condition, rated mild	408	1.9	2.2	98.0
	3 Current condition, rated moderate/severe	372	1.7	2.0	100.0
	Total	18578	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	79	.4		
	Total	3021	14.0		
Total		21599	100.0		

**BehavSev\_17 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	17197	79.6	92.7	92.7
	2 Current condition, rated mild	598	2.8	3.2	95.9
	3 Current condition, rated moderate/severe	766	3.5	4.1	100.0
	Total	18561	85.9	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	96	.4		
	Total	3038	14.1		
Total		21599	100.0		

**SubAbSev\_17 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	15260	70.7	99.7	99.7
	2 Current condition, rated mild	19	.1	.1	99.9
	3 Current condition, rated moderate/severe	21	.1	.1	100.0
	Total	15300	70.8	100.0	
Missing	95 Children age 0-5 years	6161	28.5		
	99 Missing	138	.6		
	Total	6299	29.2		
Total		21599	100.0		

**DevDelSev\_17 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	17533	81.2	94.5	94.5
	2 Current condition, rated mild	427	2.0	2.3	96.8
	3 Current condition, rated moderate/severe	599	2.8	3.2	100.0
	Total	18559	85.9	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	98	.5		
	Total	3040	14.1		
Total		21599	100.0		

**IntDisSev\_17 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	18352	85.0	98.7	98.7
	2 Current condition, rated mild	77	.4	.4	99.1
	3 Current condition, rated moderate/severe	162	.8	.9	100.0
	Total	18591	86.1	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	66	.3		
	Total	3008	13.9		
Total		21599	100.0		

**SpeechSev\_17 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	17635	81.6	94.9	94.9
	2 Current condition, rated mild	535	2.5	2.9	97.8
	3 Current condition, rated moderate/severe	416	1.9	2.2	100.0
	Total	18586	86.1	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	71	.3		
	Total	3013	13.9		
Total		21599	100.0		

**LearnSev\_17 Parent-rated severity of current learning disability, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	17232	79.8	92.8	92.8
	2 Current condition, rated mild	618	2.9	3.3	96.1
	3 Current condition, rated moderate/severe	728	3.4	3.9	100.0
	Total	18578	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	79	.4		
	Total	3021	14.0		
Total		21599	100.0		

**OthMHSev\_17 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	17533	81.2	94.4	94.4
	2 Current condition, rated mild	356	1.6	1.9	96.3
	3 Current condition, rated moderate/severe	682	3.2	3.7	100.0
	Total	18571	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	86	.4		
	Total	3028	14.0		
Total		21599	100.0		

**AutismSev\_17 Parent-rated severity of current autism, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	18030	83.5	97.1	97.1
	2 Current condition, rated mild	269	1.2	1.4	98.6
	3 Current condition, rated moderate/severe	268	1.2	1.4	100.0
	Total	18567	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	90	.4		
	Total	3032	14.0		
Total		21599	100.0		

**ADHDSev\_17 Parent-rated severity of current ADD/ADHD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	16635	77.0	90.1	90.1
	2 Current condition, rated mild	789	3.7	4.3	94.3
	3 Current condition, rated moderate/severe	1048	4.9	5.7	100.0
	Total	18472	85.5	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	185	.9		
	Total	3127	14.5		
Total		21599	100.0		

**Diff2more\_17 Indicator 1.10: Children who experience two or more functional difficulties from a list of 12 difficulties**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not have any difficulties	16087	74.5	74.6	74.6
	2 One functional difficulty	3501	16.2	16.2	90.8
	3 Two or more functional difficulties	1975	9.1	9.2	100.0
	Total	21563	99.8	100.0	
Missing	99	36	.2		
	Total	21599	100.0		

**DiffBreath\_17 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	1680	7.8	7.8	7.8
	2 No	19838	91.8	92.2	100.0
	Total	21518	99.6	100.0	
	99 Missing	81	.4		
Total		21599	100.0		

**DiffSwall\_17 Children who have had difficulty with eating or swallowing in the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	319	1.5	1.5	1.5
	2 No	21170	98.0	98.5	100.0
	Total	21489	99.5	100.0	
	99 Missing	110	.5		
Total		21599	100.0		

**DiffDigest\_17 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	1697	7.9	7.9	7.9
	2 No	19763	91.5	92.1	100.0
	Total	21460	99.4	100.0	
	99 Missing	139	.6		
Total		21599	100.0		

**DiffPain\_17 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	1404	6.5	6.5	6.5
	2 No	20076	92.9	93.5	100.0
	Total	21480	99.4	100.0	
Missing	99 Missing	119	.6		
	Total	21599	100.0		

**DiffHands\_17 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	393	1.8	6.4	6.4
	2 No	5735	26.6	93.6	100.0
	Total	6128	28.4	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	99 Missing	33	.2		
	Total	15471	71.6		
Total		21599	100.0		

**DiffCoor\_17 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	443	2.1	7.2	7.2
	2 No	5685	26.3	92.8	100.0
	Total	6128	28.4	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	99 Missing	33	.2		
	Total	15471	71.6		
Total		21599	100.0		

**DiffMem\_17 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	1528	7.1	10.0	10.0
	2 No	13731	63.6	90.0	100.0
	Total	15259	70.6	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	179	.8		
	Total	6340	29.4		
Total		21599	100.0		

**DiffWalk\_17 Children who have serious difficulty walking or climbing stairs, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	142	.7	.9	.9
	2 No	15121	70.0	99.1	100.0
	Total	15263	70.7	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	175	.8		
	Total	6336	29.3		
Total		21599	10.0		

**DiffDress\_17 Children who have difficulty dressing or bathing, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	231	1.1	1.5	1.5
	2 No	14974	69.3	98.5	100.0
	Total	15205	70.4	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	233	1.1		
	Total	6394	29.6		
Total		21599	100.0		

**DiffErrand\_17 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	367	1.7	4.2	4.2
	2 No	8395	38.9	95.8	100.0
	Total	8762	40.6	100.0	
Missing	90 Children age 0-11 years	12690	58.8		
	99 Missing	147	.7		
	Total	12837	59.4		
Total		21599	100.0		

**CSHCN\_17 Indicator 1.11: Children with special health care needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN	4912	22.7	22.7	22.7
	2 Non-CSHCN	16687	77.3	77.3	100.0
	Total	21599	100.0	100.0	

**rxmeds\_17 Children qualifying on the CSHCN Screener prescription medication criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	3670	17.0	17.0	17.0
	2 Do not meet screening criteria	17929	83.0	83.0	100.0
	Total	21599	100.0	100.0	

**serve\_17 Children qualifying on the CSHCN Screener for elevated use of services criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	2484	11.5	11.5	11.5
	2 Do not meet screening criteria	19115	88.5	88.5	100.0
	Total	21599	100.0	100.0	

**func\_17 Children qualifying on the CSHCN Screener functional limitations criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	1191	5.5	5.5	5.5
	2 Do not meet screening criteria	20408	94.5	94.5	100.0
	Total	21599	100.0	100.0	

**therapy\_17 Children qualifying on the CSHCN Screener specialized therapy criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	1197	5.5	5.5	5.5
	2 Do not meet screening criteria	20402	94.5	94.5	100.0
	Total	21599	100.0	100.0	

**mhealth\_17 Qualified on ongoing emotional, developmental or behavioral conditions**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	2127	9.8	9.8	9.8
	2 Do not meet screening criteria	19472	90.2	90.2	100.0
	Total	21599	100.0	100.0	

**mhneeds\_17 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)	2127	9.8	9.8	9.8
	2 CSHCN not qualifying on mhealth (no Q5)	2785	12.9	12.9	22.7
	3 Non-CSHCN	16687	77.3	77.3	100.0
	Total	21599	100.0	100.0	

**qualnum4\_17 Number of CSHCN Screener criteria CSHCN met**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Qualified on 1 screener criteria	2112	9.8	43.0	43.0
	2 Qualified on 2 screener criteria	1086	5.0	22.1	65.1
	3 Qualified on 3 screener criteria	809	3.7	16.5	81.6
	4 Qualified on 4 or 5 screener criteria	905	4.2	18.4	100.0
	Total	4912	22.7	100.0	
Missing	0 Non-CSHCN	16687	77.3		
Total		21599	100.0		

**CSHCNtype\_17 Children with specific types of special health care needs based on CSHCN screening criteria**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Non-CSHCN (no qualifying health needs on CSHCN Screener)	16687	77.3	77.3	77.3
	1 CSHCN - Functional limitations (alone or in combination with other qualifying needs)	1191	5.5	5.5	82.8
	2 CSHCN - Prescription medication only (no other qualifying needs on CSHCN Screener)	1563	7.2	7.2	90.0
	3 CSHCN – Above-routine use of services or use of specialized services (no other qualifying needs on CSHCN Screener)	820	3.8	3.8	93.8
	4 CSHCN - Prescription medication AND above-routine use of services	1338	6.2	6.2	100.0
	Total	21599	100.0	100.0	

**CSHCNComplex\_17 CSHCN status and complexity of health care needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN with more complex health needs	3349	15.5	15.5	15.5
	2 CSHCN with less complex health needs	1563	7.2	7.2	22.7
	3 Non-CSHCN	16687	77.3	77.3	100.0
	Total	21599	100.0	100.0	

**DailyAct\_17 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	4813	22.3	58.4	58.4
	2 Daily activities moderately affected some of time	2667	12.3	32.3	90.7
	3 Daily activities consistently affected, often a great deal	768	3.6	9.3	100.0
	Total	8248	38.2	100.0	
Missing	0 Do not have any conditions	13211	61.2		
	99 Missing to both items	140	.6		
	Total	13351	61.8		
Total		21599	100.0		

**Emotional and Mental Health****bully\_17 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	797	3.7	5.2	5.2
	2 Not true	14461	67.0	94.8	100.0
	Total	15258	70.6	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	180	.8		
	Total	6341	29.4		
Total		21599	100.0		

**bullied\_17 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	3550	16.4	23.3	23.3
	2 Not true	11684	54.1	76.7	100.0
	Total	15234	70.5	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	204	.9		
	Total	6365	29.5		
Total		21599	100.0		

**flrish0to5\_17 Indicator 2.3: Flourishing for young children, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true response to 0-2 items	436	2.0	7.5	7.5
	2 Definitely true response to 3 items	1349	6.2	23.3	30.9
	3 Definitely true response to all 4 items	3997	18.5	69.1	100.0
	Total	5782	26.8	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age <6 months	368	1.7		
	99 Missing to all 4 items	11	.1		
	Total	15817	73.2		
Total		21599	100.0		

**tender\_17 Children are affectionate and tender with parent, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	5475	25.3	94.9	94.9
	2 Somewhat true or Not true	294	1.4	5.1	100.0
	Total	5769	26.7	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age <6 months	368	1.7		
	99 Missing	24	.1		
	Total	15830	73.3		
		21599	100.0		

**resil0to5\_17 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	4164	19.3	72.4	72.4
	2 Somewhat true or Not true	1591	7.4	27.6	100.0
	Total	5755	26.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age <6 months	368	1.7		
	99 Missing	38	.2		
	Total	15844	73.4		
		21599	100.0		

**curious0to5\_17 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	5490	25.4	95.3	95.3
	2 Somewhat true or Not true	271	1.3	4.7	100.0
	Total	5761	26.7	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age <6 months	368	1.7		
	99 Missing	32	.1		
	Total	15838	73.3		
		21599	100.0		

**smile\_17 Children who smile and laugh a lot, age 6 months-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	5606	26.0	97.2	97.2
	2 Somewhat true or Not true	159	.7	2.8	100.0
	Total	5765	26.7	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age <6 months	368	1.7		
	99 Missing	28	.1		
	Total	15834	73.3		
		21599	100.0		

**flrish6to17\_17 Indicator 2.4: Flourishing for children and adolescents, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Definitely true response to 0-1 items	5028	23.3	32.6	32.6
	2.00 Definitely true response to 2 items	4183	19.4	27.1	59.8
	3.00 Definitely true response to all 3 items	6196	28.7	40.2	100.0
	Total	15407	71.3	100.0	
Missing	90.00 Children age 0-5 years	6161	28.5		
	99.00 Missing to all 3 items	31	.1		
	Total	6192	28.7		
		21599	100.0		

**curious6to17\_17 Children who show interest and curiosity in learning new things, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Definitely true	12805	59.3	83.3	83.3
	2.00 Somewhat true or Not true	2572	11.9	16.7	100.0
	Total	15377	71.2	100.0	
	90.00 Children age 0-5 years	6161	28.5		
Missing	99.00 Missing	61	.3		
	Total	6222	28.8		
		21599	100.0		

**finishes\_17 Children who work to finish the tasks they start, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Definitely true	9831	45.5	64.4	64.4
	2.00 Somewhat true or Not true	5439	25.2	35.6	100.0
	Total	15270	70.7	100.0	
	90.00 Children age 0-5 years	6161	28.5		
Missing	99.00 Missing	168	.8		
	Total	6329	29.3		
		21599	100.0		

**resil6to17\_17 Children who stay calm and in control when faced with a challenge, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Definitely true	7583	35.1	49.6	49.6
	2.00 Somewhat true	6620	30.6	43.3	93.0
	3.00 Not true	1070	5.0	7.0	100.0
	Total	15273	70.7	100.0	
Missing	90.00 Children age 0-5 years	6161	28.5		
	99.00 Missing	165	.8		
	Total	6326	29.3		
Total		21599	100.0		

**argue\_17 Indicator 2.5: Children who argue too much, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	1013	4.7	6.6	6.6
	2 Somewhat true	4003	18.5	26.2	32.8
	3 Not true	10256	47.5	67.2	100.0
	Total	15272	70.7	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	166	.8		
	Total	6327	29.3		
Total		21599	100.0		

**MakeFriend\_17 Indicator 2.6: Difficulties making and keeping friends, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No difficulty	11677	54.1	76.7	76.7
	2 A little difficulty	2796	12.9	18.4	95.0
	3 A lot of difficulty	760	3.5	5.0	100.0
	Total	15233	70.5	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	205	.9		
	Total	6366	29.5		
Total		21599	100.0		

**ADHDind\_17 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	16478	76.3	89.1	89.1
	2 Ever told, but do not currently have condition	157	.7	.8	89.9
	3 Currently have condition	1863	8.6	10.1	100.0
	Total	18498	85.6	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	159	.7		
	Total	3101	14.4		
Total		21599	100.0		

**ADHDSevInd\_17 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	16635	77.0	90.1	90.1
	2 Current condition, rated mild	789	3.7	4.3	94.3
	3 Current condition, rated moderate/severe	1048	4.9	5.7	100.0
	Total	18472	85.5	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	185	.9		
	Total	3127	14.5		
Total		21599	100.0		

**ADHDMed\_17 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	1180	5.5	6.4	6.4
	2 Currently have condition but not taking medication	670	3.1	3.6	10.0
	3 Do not currently have condition	16635	77.0	90.0	100.0
	Total	18485	85.6	100.0	
Missing	95 Children age 0-2 year	2942	13.6		
	99 Missing	172	.8		
	Total	3114	14.4		
Total		21599	100.0		

**ADHDBehTreat\_17 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	830	3.8	4.5	4.5
	2 Currently have condition but did not receive behavioral treatment	1026	4.8	5.5	10.0
	3 Do not currently have condition	16635	77.0	90.0	100.0
	Total	18491	85.6	100.0	
Missing	95 Children age 0-2 year	2942	13.6		
	99 Missing	166	.8		
	Total	3108	14.4		
Total		21599	100.0		

**AutismInd\_17 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	17988	83.3	96.8	96.8
	2 Ever told, but do not currently have condition	42	.2	.2	97.1
	3 Currently have condition	548	2.5	2.9	100.0
	Total	18578	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	79	.4		
	Total	3021	14.0		
Total		21599	100.0		

**ASDSelInd\_17 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	18030	83.5	97.1	97.1
	2 Current condition, rated mild	269	1.2	1.4	98.6
	3 Current condition, rated moderate/severe	268	1.2	1.4	100.0
	Total	18567	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	90	.4		
	Total	3032	14.0		
Total		21599	100.0		

**ASDMed\_17 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	177	.8	1.0	1.0
	2 Currently have condition but not taking medication	370	1.7	2.0	2.9
	3 Do not currently have condition or missing	18030	83.5	97.1	100.0
	Total	18577	86.0	100.0	
Missing	95 Children age 0-2 year	2942	13.6		
	99 Missing	80	.4		
	Total	3022	14.0		
Total		21599	100.0		

**ASDBehTreat\_17 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	330	1.5	1.8	1.8
	2 Currently have condition but did not receive behavioral treatment	215	1.0	1.2	2.9
	3 Do not currently have condition	18030	83.5	97.1	100.0
	Total	18575	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	82	.4		
	Total	3024	14.0		
Total		21599	100.0		

**ASDAge\_17 Indicator 2.8d: Age of diagnosis for autism/ASD, age 3-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-2 years	119	.6	21.1	21.1
	2 3-5 years	241	1.1	42.7	63.7
	3 Older than 5 years	205	.9	36.3	100.0
	Total	565	2.6	100.0	
Missing	995 Children age 0-2 year	2942	13.6		
	998 Never told that child has autism/ASD	17988	83.3		
	999 Don't know/Missing	104	.5		
	Total	21034	97.4		
Total		21599	100.0		

**ASDDrType\_17 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	78	.4	13.9	13.9
	2 Specialist	210	1.0	37.3	51.2
	3 Psychologist/Counselor (school or non-school)	168	.8	29.8	81.0
	4 Psychiatrist	60	.3	10.7	91.7
Missing	5 Other health care provider	47	.2	8.3	100.0
	Total	563	2.6	100.0	
	95 Children age 0-2 year	2942	13.6		
	96 Never told that child has ASD	17988	83.3		
Total	99 Don't Know/Missing	106	.5		
	Total	21036	97.4		
Total		21599	100.0		

**MedEmotion\_17 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	1884	8.7	10.2	10.2
	2 No	16589	76.8	89.8	100.0
	Total	18473	85.5	100.0	
Missing	90 Children age 0-2 years	2942	13.6		
	99 Missing	184	.9		
	Total	3126	14.5		
Total		21599	100.0		

**Health Insurance Coverage****CurrIns\_17 Indicator 3.1: Health insurance status at time of survey**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Insured at time of survey (does not include Indian Health Service or a religious health share)	20675	95.7	96.1	96.1
	2 Not insured or only insured through Indian Health Service or a religious health share at time of survey	844	3.9	3.9	100.0
	Total	21519	99.6	100.0	
Missing	99 Missing	80	.4		
	Total	21599	100.0		

**InsGap\_17 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	20244	93.7	94.4	94.4
	2 Child had a gap in coverage	1191	5.5	5.6	100.0
	Total	21435	99.2	100.0	
Missing	99 Missing	164	.8		
	Total	21599	100.0		

**NoCovEmp\_17 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	346	1.6	30.4	30.4
	2 Gap not related to employment change	794	3.7	69.6	100.0
	Total	1140	5.3	100.0	
Missing	95 Insured continuously all year	20244	93.7		
	99 Missing	215	1.0		
	Total	20459	94.7		
Total		21599	100.0		

**NoCovOverdue\_17 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	56	.3	4.9	4.9
	2 Gap not related to overdue premium	1084	5.0	95.1	100.0
	Total	1140	5.3	100.0	
Missing	95 Insured continuously all year	20244	93.7		
	99 Missing	215	1.0		
	Total	20459	94.7		
Total		21599	100.0		

**NoCovUnafford\_17 Dropped health insurance coverage because it was unaffordable**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to unaffordability	223	1.0	19.6	19.6
	2 Gap not related to unaffordability	917	4.2	80.4	100.0
	Total	1140	5.3	100.0	
Missing	95 Insured continuously all year	20244	93.7		
	99 Missing	215	1.0		
	Total	20459	94.7		
Total		21599	100.0		

**NoCovBenInadeq\_17 Dropped health insurance coverage because benefits were inadequate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to inadequacy of coverage	77	.4	6.8	6.8
	2 Gap not due to inadequacy of coverage	1063	4.9	93.2	100.0
	Total	1140	5.3	100.0	
Missing	95 Insured continuously all year	20244	93.7		
	99 Missing	215	1.0		
	Total	20459	94.7		
Total		21599	100.0		

**NoCovProvInadeq\_17 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	52	.2	4.6	4.6
	2 Gap not related to inadequacy of provider options	1088	5.0	95.4	100.0
	Total	1140	5.3	100.0	
Missing	95 Insured continuously all year	20244	93.7		
	99 Missing	215	1.0		
	Total	20459	94.7		
Total		21599	100.0		

**NoCovRenew\_17 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	250	1.2	21.9	21.9
	2 Gap not related to renewal or application process	890	4.1	78.1	100.0
	Total	1140	5.3	100.0	
Missing	95 Insured continuously all year	20244	93.7		
	99 Missing	215	1.0		
	Total	20459	94.7		
Total		21599	100.0		

**InsType\_17 Indicator 3.3: Type of current health insurance**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Public only (government assistance)	4202	19.5	19.7	19.7
	2 Private only (privately purchased, including through ACA marketplace, through employer, or TRICARE)	15406	71.3	72.4	92.1
	3 Public and private	831	3.8	3.9	96.0
	4 Uninsured	844	3.9	4.0	100.0
	Total	21283	98.5	100.0	
Missing	99 Missing	316	1.5		
Total		21599	100.0		

**InsAdeq\_17 Indicator 3.4: Adequacy of current Insurance coverage**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Current insurance adequate for child's needs	14713	68.1	71.3	71.3
	2 Current insurance NOT adequate for child's needs	5936	27.5	28.7	100.0
	Total	20649	95.6	100.0	
Missing	95 Uninsured	844	3.9		
	99 Missing to all questions	106	.5		
	Total	950	4.4		
Total		21599	100.0		

**benefits\_17 Current insurance coverage meets child's health needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	13382	62.0	65.1	65.1
	2 Usually	5833	27.0	28.4	93.5
	3 Sometimes or never	1330	6.2	6.5	100.0
	Total	20545	95.1	100.0	
Missing	95 Uninsured	844	3.9		
	99 Missing	210	1.0		
	Total	1054	4.9		
Total		21599	100.0		

**allows\_17 Current insurance coverage allows child to see needed provider**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	16015	74.1	78.0	78.0
	2 Usually	3779	17.5	18.4	96.4
	3 Sometimes or never	743	3.4	3.6	100.0
	Total	20537	95.1	100.0	
Missing	95 Uninsured	844	3.9		
	99 Missing	218	1.0		
	Total	1062	4.9		
Total		21599	100.0		

**expense\_17 Current insurance coverage has reasonable out of pocket costs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No out of pocket expenses	4463	20.7	21.8	21.8
	1 Always	3804	17.6	18.6	40.5
	2 Usually	6695	31.0	32.8	73.2
	3 Sometimes or never	5464	25.3	26.8	100.0
Missing	Total	20426	94.6	100.0	
	95 Uninsured	844	3.9		
	99 Missing	329	1.5		
Total	Total	1173	5.4		
		21599	100.0		

**insurance\_17 Indicator 3.4a: Children who are adequately and continuously insured; that is, is their current insurance adequate and were they insured for the entire past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Current insurance is adequate and continuously insured in past year	14506	67.2	67.4	67.4
	2 Current insurance is inadequate and/or had gap in insurance coverage in past year	7025	32.5	32.6	100.0
	Total	21531	99.7	100.0	
Missing	99 Missing to both	68	.3		
	Total	21599	100.0		

**InsMentH\_17 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	1742	8.1	46.2	46.2
	2 Usually	1022	4.7	27.1	73.4
	3 Sometimes or never	1004	4.6	26.6	100.0
	Total	3768	17.4	100.0	
	95 Children age 0-2 years	2942	13.6		
Missing	96 Did not receive mental health services/Uninsured at time of the survey	14687	68.0		
	99 Missing	202	.9		
	Total	17831	82.6		
Total		21599	100.0		

**OutOfPckt\_17 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	10884	50.4	51.1	51.1
	2 \$250 - \$499	3710	17.2	17.4	68.5
	3 \$500 - \$999	2891	13.4	13.6	82.1
	4 \$1000 - \$5000	3272	15.1	15.4	97.5
	5 More than \$5000	535	2.5	2.5	100.0
	Total	21292	98.6	100.0	
Missing	99 Missing	307	1.4		
	Total	21599	100.0		

**Health Care Access and Quality****MedCare\_17 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	19060	88.2	88.3	88.3
	2 Did not receive any medical care	2527	11.7	11.7	100.0
	Total	21587	99.9	100.0	
Missing	99 Missing	12	.1		
Total		21599	100.0		

**PrevMed\_17 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	18233	84.4	85.0	85.0
	2 No preventive care visits	3205	14.8	15.0	100.0
	Total	21438	99.3	100.0	
	99 Missing	161	.7		
Total		21599	100.0		

**VisitTime\_17 Indicator 4.1b: Time with doctor during last preventive check-up**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 10 minutes	3073	14.2	16.9	16.9
	2 10-20 minutes	11744	54.4	64.6	81.5
	3 More than 20 minutes	3372	15.6	18.5	100.0
	Total	18189	84.2	100.0	
Missing	95 No preventive care visits during last 12 months	3205	14.8		
	99 Missing	205	.9		
	Total	3410	15.8		
Total		21599	100.0		

**PrivateTalk\_17 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	3853	17.8	53.7	53.7
	2 No	3321	15.4	46.3	100.0
	Total	7174	33.2	100.0	
Missing	90 Children age 0-11 years	12690	58.8		
	95 No preventive care visits in past 12 months	1565	7.2		
	99 Missing	170	.8		
	Total	14425	66.8		
Total		21599	100.0		

**DentCare\_17 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 a dentist	17416	80.6	83.9	83.9
	2 Saw other oral health care provider	392	1.8	1.9	85.8
	3 No dental or oral health care visits	2953	13.7	14.2	100.0
	Total	20761	96.1	100.0	
Missing	95 Children less than 1 year old	796	3.7		
	99 Missing	42	.2		
	Total	838	3.9		
Total		21599	100.0		

**PrevDent\_17 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	17320	80.2	83.7	83.7
	2 No preventive dental visits	3381	15.7	16.3	100.0
	Total	20701	95.8	100.0	
Missing	95 Children less than 1 year old	796	3.7		
	99 Missing	102	.5		
	Total	898	4.2		
Total		21599	100.0		

**DentCheck\_17 Children who had dental check up visits during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received dental check-up	16283	75.4	78.9	78.9
	2 Received preventive dental care, but not dental check-up	961	4.4	4.7	83.6
	3 Did not receive preventive dental care	3381	15.7	16.4	100.0
	Total	20625	95.5	100.0	
Missing	95 Children age 0-1 year	796	3.7		
	99 Missing/Don't know	178	.8		
	Total	974	4.5		
Total		21599	100.0		

**DentCleaning\_17 Children who had dental cleaning during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Had dental cleaning	16086	74.5	78.0	78.0
	2 Received preventive dental care, but not dental cleaning	1159	5.4	5.6	83.6
	3 Did not receive preventive dental care	3381	15.7	16.4	100.0
	Total	20626	95.5	100.0	
Missing	95 Children age 0-1 year	796	3.7		
	99 Missing/Don't know	177	.8		
	Total	973	4.5		
Total		21599	100.0		

**DentInstruct\_17 Children who had dental instruction during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received instruction on oral health care	10128	46.9	49.1	49.1
	2 Received preventive dental care, but not instruction on oral health care	7112	32.9	34.5	83.6
	3 Did not receive preventive dental care	3381	15.7	16.4	100.0
	Total	20621	95.5	100.0	
Missing	95 Children age 0-1 year	796	3.7		
	99 Missing/Don't know	182	.8		
	Total	978	4.5		
Total		21599	100.0		

**DentXray\_17 Children who had dental X-ray during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Had dental X-ray	10753	49.8	52.1	52.1
	2 Received preventive dental care, but not X-ray	6486	30.0	31.5	83.6
	3 Did not receive preventive dental care	3381	15.7	16.4	100.0
	Total	20620	95.5	100.0	
Missing	95 Children age 0-1 year	796	3.7		
	99 Missing/Don't know	183	.8		
	Total	979	4.5		
Total		21599	100.0		

**fluoride\_17 Children who had fluoride treatment during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received fluoride treatment	10870	50.3	52.7	52.7
	2 Received preventive dental care, but not fluoride treatment	6371	29.5	30.9	83.6
	3 Did not receive preventive dental care	3381	15.7	16.4	100.0
	Total	20622	95.5	100.0	
Missing	95 Children age 0-1 year	796	3.7		
	99 Missing/Don't know	181	.8		
	Total	977	4.5		
Total		21599	100.0		

**sealant\_17 Children who had sealant during the past 12 months, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Had dental sealant	4073	18.9	19.8	19.8
	2 Received preventive dental care, but not dental sealant	13163	60.9	63.8	83.6
	3 Did not receive preventive dental care	3381	15.7	16.4	100.0
	Total	20617	95.5	100.0	
Missing	95 Children age 0-1 year	796	3.7		
	99 Missing/Don't know	186	.9		
	Total	982	4.5		
Total		21599	100.0		

**MedDentCare\_17 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	15486	71.7	72.5	72.5
	2 Did not receive preventive medical and dental care	5871	27.2	27.5	100.0
	Total	21357	98.9	100.0	
	99 Missing to any	242	1.1		
Total		21599	100.0		

**MentHCare\_17 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 Yes, received mental health care	2234	10.3	12.0	12.0
	2 No, but needed to see a mental health professional	378	1.8	2.0	14.1
	3 No, did not need to see a mental health professional	15963	73.9	85.9	100.0
	Total	18575	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	82	.4		
	Total	3024	14.0		
Total		21599	100.0		

**MentHProb\_17 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	1488	6.9	58.1	58.1
	2 Received or needed mental health care but had a small problem getting it	734	3.4	28.7	86.8
	3 Received or needed mental health care but had a big problem getting it	337	1.6	13.2	100.0
	Total	2559	11.8	100.0	
Missing	95 Did not need to see a mental health professional	15963	73.9		
	96 Children age 0-2 years	2942	13.6		
	99 Missing	135	.6		
	Total	19040	88.2		
Total		21599	100.0		

**SpecCare\_17 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	3657	16.9	17.1	17.1
	2 No, but needed to see a specialist	325	1.5	1.5	18.6
	3 No, did not need to see a specialist	17454	80.8	81.4	100.0
	Total	21436	99.2	100.0	
Missing	99 Missing	163	.8		
	Total	21599	100.0		

**SpCareProb\_17 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	2891	13.4	74.3	74.3
	2 Received or needed specialist care but had a small problem getting it	802	3.7	20.6	94.9
	3 Received or needed specialist care but had a big problem getting it	197	.9	5.1	100.0
	Total	3890	18.0	100.0	
Missing	95 Did not need care from a specialist	17454	80.8		
	99 Missing	255	1.2		
	Total	17709	82.0		
Total		21599	100.0		

**VisnTest\_17 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	15657	72.5	72.7	72.7
	2 Did not receive vision screening	5874	27.2	27.3	100.0
	Total	21531	99.7	100.0	
	99 Missing	68	.3		
Total		21599	100.0		

**EyeDoctor\_17 Children who received vision screening at an eye specialist**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received vision screening at eye specialist	9288	43.0	43.2	43.2
	2 Received vision screening, but not at eye specialist	6314	29.2	29.4	72.6
	3 Did not receive vision screening	5874	27.2	27.4	100.0
	Total	21476	99.4	100.0	
Missing	99 Missing	123	.6		
Total		21599	100.0		

**EyePedOffice\_17 Children who received vision screening at pediatrician or general doctor**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received vision screening at pediatrician or general doctor	6228	28.8	29.0	29.0
	2 Received vision screening, but not at pediatrician or general doctor	9374	43.4	43.6	72.6
	3 Did not receive vision screening	5874	27.2	27.4	100.0
	Total	21476	99.4	100.0	
Missing	99 Missing	123	.6		
Total		21599	100.0		

**EyeClinic\_17 Children who received vision screening at a clinic or health center**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received vision screening at clinic	526	2.4	2.4	2.4
	2 Received vision screening, but not at clinic	15076	69.8	70.2	72.6
	3 Did not receive vision screening	5874	27.2	27.4	100.0
	Total	21476	99.4	100.0	
Missing	99 Missing	123	.6		
Total		21599	100.0		

**EyeSchool\_17 Children who received vision screening at school**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received vision screening at school	3453	16.0	16.1	16.1
	2 Received vision screening, but not at school	12149	56.2	56.6	72.6
	3 Did not receive vision screening	5874	27.2	27.4	100.0
	Total	21476	99.4	100.0	
Missing	99 Missing	123	.6		
Total		21599	100.0		

**ERVisit\_17 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 Never	17773	82.3	82.6	82.6
	2 1 time	2988	13.8	13.9	96.5
	3 2 or more times	763	3.5	3.5	100.0
	Total	21524	99.7	100.0	
Missing	99 Missing	75	.3		
Total		21599	100.0		

**AlterHC\_17 Indicator 4.8: Use of alternative health care or treatment during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1886	8.7	8.8	8.8
	2 No	19511	90.3	91.2	100.0
	Total	21397	99.1	100.0	
	99 Missing	202	.9		
Total		21599	100.0		

**DrAskConc\_17 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	2308	10.7	38.8	38.8
	2 No	3637	16.8	61.2	100.0
	Total	5945	27.5	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Did not use any of 4 services	201	.9		
	99 Missing	15	.1		
	Total	15654	72.5		
	Total	21599	100.0		

**DevScrnng\_17 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 Parent completed developmental screening	848	3.9	37.2	37.2
	2 Parent did not complete developmental screening	1433	6.6	62.8	100.0
	Total	2281	10.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-8 months or 3-5 years	3800	17.6		
	99 Missing	80	.4		
	Total	19318	89.4		
	Total	21599	100.0		

**SpecServ\_17 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 special services	1598	7.4	7.5	7.5
	2 Do not currently receive special services	19742	91.4	92.5	100.0
	Total	21340	98.8	100.0	
	99 Missing	259	1.2		
Total		21599	100.0		

**SpSerAge\_17 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	982	4.5	28.9	28.9
	2 At age 3-5 years old	1379	6.4	40.6	69.4
	3 At age 6-17 years old	1039	4.8	30.6	100.0
	Total	3400	15.7	100.0	
Missing	0 Never received the services	17846	82.6		
	99 Missing	353	1.6		
	Total	18199	84.3		
	Total	21599	100.0		

**MedHome\_17 Indicator 4.12: Children receiving coordinated, ongoing, comprehensive care within a medical home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Care MEETS medical home criteria	11707	54.2	54.2	54.2
	2 Care DOES NOT meet medical home criteria	9876	45.7	45.8	100.0
	Total	21583	99.9	100.0	
Missing	99 Missing to all	16	.1		
Total		21599	100.0		

**PerDrNs\_17 Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes, have at least one personal doctor or nurse	16704	77.3	77.7	77.7
	2 Do not have a personal doctor or nurse	4806	22.3	22.3	100.0
	Total	21510	99.6	100.0	
Missing	99 Missing	89	.4		
Total		21599	100.0		

**UsualSck\_17 Indicator 4.12b: Medical Home Component: Usual sources for sick care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have usual sources for sick care	17631	81.6	82.6	82.6
	2 Do not have usual sources for sick care	3718	17.2	17.4	100.0
	Total	21349	98.8	100.0	
Missing	99 Missing	250	1.2		
Total		21599	100.0		

**UsualPrev\_17 Usual sources for preventive care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have usual sources for preventive care	20144	93.3	93.9	93.9
	2 Do not have usual sources for preventive care	1314	6.1	6.1	100.0
	Total	21458	99.3	100.0	
Missing	99 Missing	141	.7		
Total		21599	100.0		

**FamCent\_17 Indicator 4.12c: Medical Home Component: Family-centered care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received family-centered care	17009	78.7	89.9	89.9
	2 Did not receive family-centered care	1916	8.9	10.1	100.0
	Total	18925	87.6	100.0	
Missing	0 Did not have health care visit in the past 12 months	2527	11.7		
99 Missing to all		147	.7		
Total		2674	12.4		
Total		21599	100.0		

**time\_17 Doctors spent enough time with children**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	12681	58.7	67.1	67.1
	2 Usually	4991	23.1	26.4	93.6
	3 Sometimes or never	1218	5.6	6.4	100.0
	Total	18890	87.5	100.0	
Missing	0 Did not have a health care visit in the past 12 months	2527	11.7		
	99 Missing	182	.8		
	Total	2709	12.5		
Total		21599	100.0		

**listen\_17 Doctors listened carefully to children's parents**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	14056	65.1	74.5	74.5
	2 Usually	4081	18.9	21.6	96.2
	3 Sometimes or never	720	3.3	3.8	100.0
	Total	18857	87.3	100.0	
Missing	0 Did not have a health care visit in the past 12 months	2527	11.7		
	99 Missing	215	1.0		
	Total	2742	12.7		
Total		21599	100.0		

**sensitiv\_17 Doctors showed sensitivity to children's family's values and customs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	14622	67.7	77.6	77.6
	2 Usually	3477	16.1	18.5	96.1
	3 Sometimes or never	742	3.4	3.9	100.0
	Total	18841	87.2	100.0	
Missing	0 Did not have a health care visit in the past 12 months	2527	11.7		
	99 Missing	231	1.1		
	Total	2758	12.8		
Total		21599	100.0		

**info\_17 Doctors provided information specific to parents' concerns**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	14413	66.7	76.6	76.6
	2 Usually	3714	17.2	19.7	96.4
	3 Sometimes or never	679	3.1	3.6	100.0
	Total	18806	87.1	100.0	
Missing	0 Did not have a health care visit in the past 12 months	2527	11.7		
	99 Missing	266	1.2		
	Total	2793	12.9		
Total		21599	100.0		

**partner\_17 Doctors helped parents to feel like partners in child's care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	14386	66.6	76.4	76.4
	2 Usually	3575	16.6	19.0	95.4
	3 Sometimes or never	860	4.0	4.6	100.0
	Total	18821	87.1	100.0	
Missing	0 Did not have a health care visit in the past 12 months	2527	11.7		
	99 Missing	251	1.2		
	Total	2778	12.9		
Total		21599	100.0		

**NoRefPrb\_17 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	17354	80.3	80.7	80.7
	1 No problems getting referral, when needed	3426	15.9	15.9	96.6
	2 Had a small problem getting referrals, when needed	589	2.7	2.7	99.3
	3 Had a big problem getting referrals, when needed	144	.7	.7	100.0
	Total	21513	99.6	100.0	
Missing	99 Missing	86	.4		
	Total	21599	100.0		

**CareCoor\_17 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	8582	39.7	39.8	39.8
	1 Received all needed components of care coordination	9680	44.8	44.9	84.7
	2 Did not receive one or more elements of coordination	3300	15.3	15.3	100.0
	Total	21562	99.8	100.0	
Missing	99 Missing to all	37	.2		
	Total	21599	100.0		

**HelpCoord\_17 Family gets help with coordinating child's health care among those who needed**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1982	9.2	15.6	15.6
	2 No	10689	49.5	84.4	100.0
	Total	12671	58.7	100.0	
Missing	95 Did not see more than one health care provider in past 12 months	8823	40.8		
	99 Missing	105	.5		
	Total	8928	41.3		
Total		21599	100.0		

**ExtraHelp\_17 Family needed extra help to coordinate child's health care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	872	4.0	6.9	6.9
	2 No	11811	54.7	93.1	100.0
	Total	12683	58.7	100.0	
	95 Did not see more than one health care provider in past 12 months	8823	40.8		
Missing	99 Missing	93	.4		
	Total	8916	41.3		
		21599	100.0		
<b>AllExtraHelp_17 Got all needed extra help with care coordination</b>					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Usually got help that was needed	210	1.0	24.3	24.3
	2 Sometimes got help that was needed	384	1.8	44.4	68.7
	3 Never got help that was needed	271	1.3	31.3	100.0
	Total	865	4.0	100.0	
Missing	95 Did not see more than one health care provider/did not need extra help	20634	95.5		
	99 Missing	100	.5		
	Total	20734	96.0		
Total		21599	100.0		

**DrComm\_17 "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	8823	40.8	41.1	41.1
	1 Very satisfied	9641	44.6	44.9	86.0
	2 Somewhat satisfied	2619	12.1	12.2	98.2
	3 Somewhat dissatisfied/Very dissatisfied	393	1.8	1.8	100.0
Missing	Total	21476	99.4	100.0	
	99 Missing	123	.6		
Total		21599	100.0		

**OtherComm\_17 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	1930	8.9	10.2	10.2
	2 Doctors did not communicate with school etc. or No communication needed	17060	79.0	89.8	100.0
	Total	18990	87.9	100.0	
Missing	95 Did not have any health care visit in past 12 months	2527	11.7		
	99 Missing	82	.4		
	Total	2609	12.1		
Total		21599	100.0		

**SatOthComm\_17 Satisfaction with communication of child's doctors with his/her school, etc**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very satisfied	1475	6.8	76.8	76.8
	2 Less than very satisfied	445	2.1	23.2	100.0
	Total	1920	8.9	100.0	
	95 Did not have any health care visit in past 12 months	2527	11.7		
Missing	96 Doctors did not communicate with child's school, etc or No communication needed	17060	79.0		
	99 Missing	92	.4		
	Total	19679	91.1		
		21599	100.0		

**ShareDec\_17 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	16782	77.7	78.0	78.0
	1 Families usually or always feel that they are partners in decision making	4180	19.4	19.4	97.4
	2 Families never/sometimes feel that they are partners in decision making	560	2.6	2.6	100.0
	Total	21522	99.6	100.0	
Missing	99 Missing	77	.4		
	Total	21599	100.0		

**DiscussOpt\_17 Doctors discussed range of health care/treatment options**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	3431	15.9	72.6	72.6
	2 Usually	935	4.3	19.8	92.4
	3 Never/Sometimes	359	1.7	7.6	100.0
	Total	4725	21.9	100.0	
Missing	0 No decisions needed	14255	66.0		
	95 Did not have a health care visit	2527	11.7		
	99 Missing	92	.4		
	Total	16874	78.1		
Total		21599	100.0		

**RaiseConc\_17 Doctors made it easy for parents to raise concerns or disagree with recommendations**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	3391	15.7	71.8	71.8
	2 Usually	942	4.4	20.0	91.8
	3 Never/Sometimes	387	1.8	8.2	100.0
	Total	4720	21.9	100.0	
Missing	0 No decisions needed	14255	66.0		
	95 Did not have a health care visit	2527	11.7		
	99 Missing	97	.4		
	Total	16879	78.1		
Total		21599	100.0		

**BestChoice\_17 Doctors worked with parents to decide together health care/treatment options**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	3495	16.2	73.9	73.9
	2 Usually	918	4.3	19.4	93.3
	3 Never/Sometimes	318	1.5	6.7	100.0
	Total	4731	21.9	100.0	
Missing	0 No decisions needed	14255	66.0		
	95 Did not have a health care visit	2527	11.7		
	99 Missing	86	.4		
	Total	16868	78.1		
Total		21599	100.0		

**Transition\_17 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	1620	7.5	18.3	18.3
	2 Did not receive services necessary for transition to adult health care	7241	33.5	81.7	100.0
	Total	8861	41.0	100.0	
Missing	90 Children age 0-11 years	12690	58.8		
	99 Missing to all	48	.2		
	Total	12738	59.0		
		21599	100.0		

**TimeAlone\_17 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	3853	17.8	44.1	44.1
	2 Did not have time alone with provider/Did not have preventive check-up	4886	22.6	55.9	100.0
	Total	8739	40.5	100.0	
Missing	90 Children age 0-11 years	12690	58.8		
	99 Missing	170	.8		
	Total	12860	59.5		
		21599	100.0		

**ActiveWork\_17 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	4731	21.9	60.9	60.9
	2 Did not met criteria	3039	14.1	39.1	100.0
	Total	7770	36.0	100.0	
Missing	90 Children age 0-11 years	12690	58.8		
	99 Missing/Don't know	1139	5.3		
	Total	13829	64.0		
		21599	100.0		

**TrtAdult\_17 Provider discussed shift to adult health care providers if needed, age 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1025	4.7	20.2	20.2
	2 No	4056	18.8	79.8	100.0
	Total	5081	23.5	100.0	
	90 Children age 0-11 years	12690	58.8		
Missing	95 Discussion not needed or sees provider who can transition	3571	16.5		
	99 Missing	257	1.2		
	Total	16518	76.5		
		21599	100.0		

**ChngeAge\_17 Doctor worked with child to understand health care changes: understanding changes in privacy, consent, access to information, or decision-making**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2353	10.9	26.9	26.9
	2 No	4540	21.0	51.9	78.8
	3 Don't Know	1852	8.6	21.2	100.0
	Total	8745	40.5	100.0	
Missing	90 Children age 0-11 years	12690	58.8		
	99 Missing	164	.8		
	Total	12854	59.5		
		21599	100.0		

**PlanFuture\_17 Doctor worked with child to plan for future about education, work, relationships, and development of independent living skills**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2818	13.0	32.2	32.2
	2 No	4465	20.7	51.1	83.3
	3 Don't know	1458	6.8	16.7	100.0
	Total	8741	40.5	100.0	
Missing	90 Children 0-11 years of age	12690	58.8		
	99 Missing	168	.8		
	Total	12858	59.5		
		21599	100.0		

**PosChoice\_17 Doctor worked with child to make positive choices: by eating healthy, getting regular exercise, not using tobacco, alcohol or other drugs, or delaying sexual activity**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	6453	29.9	74.0	74.0
	2 No	1529	7.1	17.5	91.5
	3 Don't know	743	3.4	8.5	100.0
	Total	8725	40.4	100.0	
Missing	90 Children 0-11 years of age	12690	58.8		
	99 Missing	184	.9		
	Total	12874	59.6		
		21599	100.0		

**GainSkill\_17 Doctor worked with child to gain skills to manage health: understanding current health needs, knowing what to do in a medical emergency, or taking medications he or she may need**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4458	20.6	51.2	51.2
	2 No	2836	13.1	32.5	83.7
	3 Don't know	1421	6.6	16.3	100.0
	Total	8715	40.3	100.0	
Missing	90 Children 0-11 years of age	12690	58.8		
	99 Missing	194	.9		
	Total	12884	59.7		
Total		21599	100.0		

**InsNeeds\_17 Children whose family know how their child will be insured or someone discussed with them about insurance coverage as the child becomes an adult**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Know how child will be insured or have discussed	5379	24.9	61.7	61.7
	2 Do not know and have not discussed	3332	15.4	38.3	100.0
	Total	8711	40.3	100.0	
	90 Children 0-11 years of age	12690	58.8		
Missing	99 Missing	198	.9		
	Total	12888	59.7		
	Total	21599	100.0		

**PlanUptd\_17 Child has an up-to-date written plan to meet her/his specific health care needs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Child has an up-to-date written plan	559	2.6	6.4	6.4
	2 Child does not have up-to-date written plan	8209	38.0	93.6	100.0
	Total	8768	40.6	100.0	
	90 Children age 0-11 years	12690	58.8		
Missing	99 Missing to any questions	141	.7		
	Total	12831	59.4		
	Total	21599	100.0		

**sys0to11care2\_17 Children ages 0-11 meeting one or more of five criteria for system of care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received care in a well-functioning system	3705	17.2	29.2	29.2
	2 Did not receive care in a well-functioning system	8983	41.6	70.8	100.0
	Total	12688	58.7	100.0	
	90 Children age 12-17 years	8909	41.2		
Missing	99 Missing	2	.0		
	Total	8911	41.3		
	Total	21599	100.0		

**sys12to17care2\_17 Children ages 12-17 meeting one or more of five criteria for system of care**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received care in a well-functioning system	645	3.0	7.2	7.2
	2 Did not receive care in a well-functioning system	8263	38.3	92.8	100.0
	Total	8908	41.2	100.0	
	90 Children age 0-11 years	12690	58.8		
Missing	99 Missing	1	.0		
	Total	12691	58.8		
	Total	21599	100.0		

**SystCare2\_17 Indicator 4.17: Percent of children received care in a well-functioning system**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received care in a well-functioning system	4350	20.1	20.1	20.1
	2 Did not receive care in a well-functioning system	17246	79.8	79.9	100.0
	Total	21596	100.0	100.0	
Missing	99 Missing	3	.0		
Total		21599	100.0		

**ForgoneCare\_17 Children who needed health care but it was not received**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed health care	505	2.3	2.3	2.3
	2 Received needed health care (or did not need health care)	21016	97.3	97.7	100.0
	Total	21521	99.6	100.0	
Missing	99 Missing	78	.4		
Total		21599	100.0		

**ForgoneMed\_17 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	171	.8	.8	.8
	2 Received needed medical care (or did not need medical care)	21343	98.8	99.2	100.0
	Total	21514	99.6	100.0	
Missing	99 Missing	85	.4		
Total		21599	100.0		

**ForgoneDent\_17 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	227	1.1	1.1	1.1
	2 Received needed dental care (or did not need dental care)	20493	94.9	98.9	100.0
	Total	20720	95.9	100.0	
Missing	95 Children age less than 1 year old	796	3.7		
	99 Missing	83	.4		
Total		879	4.1		
Total		21599	100.0		

**ForgoneVis\_17 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	103	.5	.5	.5
	2 Received needed vision care (or did not need vision care)	21411	99.1	99.5	100.0
	Total	21514	99.6	100.0	
Missing	99 Missing	85	.4		
Total		21599	100.0		

**ForgoneHear\_17 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	31	.1	.1	.1
	2 Received needed hearing care (or did not need hearing care)	21483	99.5	99.9	100.0
	Total	21514	99.6	100.0	
Missing	99 Missing	85	.4		
Total		21599	100.0		

**ForgoneMH\_17 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	167	.8	.9	.9
	2 Received needed mental health care (or did not need mental health care)	18413	85.2	99.1	100.0
	Total	18580	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	77	.4		
	Total	3019	14.0		
Total		21599	100.0		

**ineligible\_17 Did not receive needed health care because the child was not eligible**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	151	.7	30.4	30.4
	2 Did not experience this difficulty	345	1.6	69.6	100.0
	Total	496	2.3	100.0	
Missing	95 Received needed health care (or did not need health care)	21016	97.3		
	99 Missing	87	.4		
	Total	21103	97.7		
Total		21599	100.0		

**unavailable\_17 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	118	.5	23.8	23.8
	2 Did not experience this difficulty	378	1.8	76.2	100.0
	Total	496	2.3	100.0	
Missing	95 Received needed health care (or did not need health care)	21016	97.3		
	99 Missing	87	.4		
	Total	21103	97.7		
Total		21599	100.0		

**appointment\_17 Did not receive needed health care because there were problems getting an appointment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	183	.8	36.9	36.9
	2 Did not experience this difficulty	313	1.4	63.1	100.0
	Total	496	2.3	100.0	
Missing	95 Received needed health care (or did not need health care)	21016	97.3		
	99 Missing	87	.4		
	Total	21103	97.7		
Total		21599	100.0		

**transport\_17 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	65	.3	13.1	13.1
	2 Did not experience this difficulty	431	2.0	86.9	100.0
	Total	496	2.3	100.0	
Missing	95 Received needed health care (or did not need health care)	21016	97.3		
	99 Missing	87	.4		
	Total	21103	97.7		
Total		21599	100.0		

**NotOpen\_17 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	64	.3	12.9	12.9
	2 Did not experience this difficulty	432	2.0	87.1	100.0
	Total	496	2.3	100.0	
Missing	95 Received needed health care (or did not need health care)	21016	97.3		
	99 Missing	87	.4		
	Total	21103	97.7		
Total		21599	100.0		

**CostIssue\_17 Did not receive needed health care due to issues related to cost**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	316	1.5	63.7	63.7
	2 Did not experience this difficulty	180	.8	36.3	100.0
	Total	496	2.3	100.0	
Missing	95 Received needed health care (or did not need health care)	21016	97.3		
	99 Missing	87	.4		
	Total	21103	97.7		
Total		21599	100.0		

**MedBills\_17 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	4780	22.1	22.4	22.4
	1 Had problems paying medical bills	2343	10.8	11.0	33.4
	2 Did not have problems paying medical bills	14226	65.9	66.6	100.0
Missing	Total	21349	98.8	100.0	
	99 Missing	250	1.2		
	Total	21599	100.0		

**frustrated\_17 Indicator 4.20: Family often frustrated in efforts to get services for their children during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never frustrated	18055	83.6	84.0	84.0
	2 Sometimes frustrated	2964	13.7	13.8	97.8
	3 Usually/always frustrated	465	2.2	2.2	100.0
Missing	Total	21484	99.5	100.0	
	99 Missing	115	.5		
	Total	21599	100.0		

## Community and School Activities

**SpEducPln\_17 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	1941	9.0	9.4	9.4
	2 No	18770	86.9	90.6	100.0
	Total	20711	95.9	100.0	
	95 Children under 1 year old	796	3.7		
	99 Missing	92	.4		
	Total	888	4.1		
Total		21599	100.0		

**SpEdAge\_17 Indicator 5.1a: Age started special education or early intervention plan, age 1-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 At age less than 3 years old	549	2.5	19.0	19.0
	2 At age 3-5 years old	1028	4.8	35.5	54.4
	3 At age 6-17 years old	1320	6.1	45.6	100.0
	Total	2897	13.4	100.0	
	0 Never received the services	17748	82.2		
	95 Children less than 1 year old	796	3.7		
Missing	99 Missing	158	.7		
	Total	18702	86.6		
		21599	100.0		

**SchlEngage\_17 Indicator 5.2: School engagement, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true to both items	10259	47.5	67.0	67.0
	2 Definitely true to at least one item	4203	19.5	27.5	94.5
	3 Not true to any item	842	3.9	5.5	100.0
	Total	15304	70.9	100.0	
	90 Children age 0-5 years	6161	28.5		
	99 Missing	134	.6		
Missing	Total	6295	29.1		
		21599	100.0		

**cares\_17 Children who care about doing well in school, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	11790	54.6	77.4	77.4
	2 Somewhat true	3023	14.0	19.8	97.2
	3 Not true	421	1.9	2.8	100.0
	Total	15234	70.5	100.0	
	90 Children age 0-5 years	6161	28.5		
	99 Missing	204	.9		
Missing	Total	6365	29.5		
		21599	100.0		

**homework\_17 Children who do all required homework, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	11281	52.2	74.0	74.0
	2 Somewhat true	3266	15.1	21.4	95.5
	3 Not true	691	3.2	4.5	100.0
	Total	15238	70.5	100.0	
	90 Children age 0-5 years	6161	28.5		
Missing	99 Missing	200	.9		
	Total	6361	29.5		
		21599	100.0		

**ReptGrade\_17 Indicator 5.3: Children repeated any grades since starting kindergarten, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	780	3.6	5.1	5.1
	2 No	14405	66.7	94.9	100.0
	Total	15185	70.3	100.0	
	90 Children age 0-5 years	6161	28.5		
	99 Missing	253	1.2		
Missing	Total	6414	29.7		
		21599	100.0		

**SchlMiss\_17 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	4129	19.1	27.2	27.2
	2 1 - 3 days	7134	33.0	47.0	74.2
	3 4 - 6 days	2401	11.1	15.8	90.0
	4 7 - 10 days	939	4.3	6.2	96.2
	5 11 or more days	574	2.7	3.8	100.0
	Total	15177	70.3	100.0	
Missing	6 This child was not enrolled in school	55	.3		
	90 Children age 0-5 years	6161	28.5		
	99 Missing	206	1.0		
	Total	6422	29.7		
Total		21599	100.0		

**AftSchAct\_17 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	13001	60.2	85.3	85.3
	2 Do not participate in extracurricular activities	2242	10.4	14.7	100.0
	Total	15243	70.6	100.0	
	90 Children age 0-5 years	6161	28.5		
Missing	99 Missing to all	195	.9		
	Total	6356	29.4		
		21599	100.0		

**sports\_17 Participation in sports teams or sports lessons after school or on weekends**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Participated in activity	9926	46.0	65.4	65.4
	2 Did not participate	5250	24.3	34.6	100.0
	Total	15176	70.3	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	262	1.2		
	Total	6423	29.7		
Total		21599	100.0		

**clubs\_17 Participation in clubs or organizations after school or on weekends**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Participated in activity	9075	42.0	60.2	60.2
	2 Did not participate	5991	27.7	39.8	100.0
	Total	15066	69.8	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	372	1.7		
	Total	6533	30.2		
Total		21599	100.0		

**lessons\_17 Participation in any other organized activities or lessons, such as music, dance, language or other arts**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Participated in activity	7743	35.8	51.6	51.6
	2 Did not participate	7273	33.7	48.4	100.0
	Total	15016	69.5	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	422	2.0		
	Total	6583	30.5		
Total		21599	100.0		

**EventPart\_17 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	13344	61.8	87.8	87.8
	2 Sometimes	1070	5.0	7.0	94.8
	3 Rarely or Never	789	3.7	5.2	100.0
Missing	Total	15203	70.4	100.0	
	90 Children age 0-5 years	6161	28.5		
	99 Missing	235	1.1		
Total	Total	6396	29.6		
Total		21599	100.0		

**volunteer\_17 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	7629	35.3	50.6	50.6
	2 No	7448	34.5	49.4	100.0
	Total	15077	69.8	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	361	1.7		
	Total	6522	30.2		
Total		21599	100.0		

**workpay\_17 Indicator 5.8: Work for pay outside home, 12-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Worked for pay	4067	18.8	46.6	46.6
	2 Did not work for pay	4655	21.6	53.4	100.0
	Total	8722	40.4	100.0	
Missing	90 Children age 0-11 years	12690	58.8		
	99 Missing	187	.9		
	Total	12877	59.6		
Total		21599	100.0		

**mentor\_17 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	13938	64.5	92.9	92.9
	2 No	1059	4.9	7.1	100.0
	Total	14997	69.4	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	441	2.0		
	Total	6602	30.6		
Total		21599	100.0		

**StartSchl\_17 Children who started school including homeschooling, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes, preschool	1643	7.6	52.1	52.1
	2 Yes, kindergarten	745	3.4	23.6	75.7
	3 Yes, first grade	32	.1	1.0	76.7
Missing	4 No	735	3.4	23.3	100.0
	Total	3155	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Total	95 Children age 0-2 years	2942	13.6		
	99 Missing	64	.3		
	Total	18444	85.4		
Total		21599	100.0		

**LearnThings\_17 Parental concern about child's learning to do things for him or herself, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very concerned	156	.7	4.9	4.9
	2 Somewhat concerned	265	1.2	8.4	13.3
	3 Not at all concerned	2734	12.7	86.7	100.0
Missing	Total	3155	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
Total	99 Missing	64	.3		
	Total	18444	85.4		
		21599	100.0		

**confident\_17 Parent's confidence level for child's readiness to be in school, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Completely confident	2343	10.8	74.2	74.2
	2 Mostly confident	558	2.6	17.7	91.9
	3 Somewhat confident	182	.8	5.8	97.7
	4 Not at all confident	73	.3	2.3	100.0
	Total	3156	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	63	.3		
	Total	18443	85.4		
		21599	100.0		

**RecogBegin\_17 Ability to recognize beginning sound of a word, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	1481	6.9	47.0	47.0
	2 Most of the time	962	4.5	30.5	77.6
	3 About half the time	231	1.1	7.3	84.9
	4 Sometimes	301	1.4	9.6	94.5
	5 Never	174	.8	5.5	100.0
	Total	3149	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	70	.3		
	Total	18450	85.4		
Total		21599	100.0		

**RecogLetter\_17 Recognize letters of alphabet, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of them	1605	7.4	50.9	50.9
	2 Most of them	680	3.1	21.6	72.4
	3 About half of them	241	1.1	7.6	80.1
	4 Some of them	520	2.4	16.5	96.6
	5 None of them	108	.5	3.4	100.0
	Total	3154	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	65	.3		
	Total	18445	85.4		
Total		21599	100.0		

**RhymeWord\_17 Ability to rhyme words, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2265	10.5	71.9	71.9
	2 No	884	4.1	28.1	100.0
	Total	3149	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	70	.3		
Missing	Total	18450	85.4		
		21599	100.0		

**ClearExp\_17 Ability to explain things child has seen or done, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	1517	7.0	48.2	48.2
	2 Most of the time	1278	5.9	40.6	88.7
	3 About half the time	173	.8	5.5	94.2
	4 Sometimes	105	.5	3.3	97.6
	5 Never	77	.4	2.4	100.0
	Total	3150	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	69	.3		
	Total	18449	85.4		
		21599	100.0		

**WriteName\_17 Ability to write his/her first name, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	1455	6.7	46.2	46.2
	2 Most of the time	330	1.5	10.5	56.7
	3 About half the time	161	.7	5.1	61.8
	4 Sometimes	312	1.4	9.9	71.8
	5 Never	889	4.1	28.2	100.0
	Total	3147	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	72	.3		
	Total	18452	85.4		
		21599	100.0		

**CountTo\_17 Child can count how high, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all or can count up to five	166	.8	5.3	5.3
	2 Up to ten	633	2.9	20.0	25.3
	3 Up to 20	1307	6.1	41.4	66.7
	4 Up to 50	390	1.8	12.3	79.0
	5 Up to 100 or more	662	3.1	21.0	100.0
	Total	3158	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	61	.3		
	Total	18441	85.4		
		21599	100.0		

**RecogShapes\_17 Child recognizes basic shapes, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	2288	10.6	72.7	72.7
	2 Most of the time	590	2.7	18.7	91.4
	3 About half the time	99	.5	3.1	94.5
	4 Sometimes	125	.6	4.0	98.5
	5 Never	47	.2	1.5	100.0
	Total	3149	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	70	.3		
	Total	18450	85.4		
		21599	100.0		

**color\_17 Child can identify colors red, yellow, blue, and green by name, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes, all of them	2905	13.4	92.3	92.3
	2.00 Yes, some of them	219	1.0	7.0	99.2
	3.00 No, none of them	24	.1	.8	100.0
	Total	3148	14.6	100.0	
Missing	90.00 Children age 0-2 years	15438	71.5		
	95.00 Children age 6-17 years	2942	13.6		
	99.00 Missing	71	.3		
	Total	18451	85.4		
Total		21599	100.0		

**distracted\_17 Child often easily distracted, 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	93	.4	3.0	3.0
	2 Most of the time	282	1.3	9.0	11.9
	3 About half the time	720	3.3	22.9	34.8
	4 Sometimes	1884	8.7	59.8	94.6
	5 Never	171	.8	5.4	100.0
	Total	3150	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	69	.3		
	Total	18449	85.4		
Total		21599	100.0		

**WorkToFin\_17 Children often keeps working at something until he or she is finished, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	316	1.5	10.0	10.0
	2 Most of the time	1686	7.8	53.5	63.5
	3 About half the time	751	3.5	23.8	87.3
	4 Sometimes	369	1.7	11.7	99.0
	5 Never	31	.1	1.0	100.0
	Total	3153	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	66	.3		
	Total	18446	85.4		
Total		21599	100.0		

**SimpleInst\_17 Child often can follow instructions to complete a simple task, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	1185	5.5	37.6	37.6
	2 Most of the time	1562	7.2	49.6	87.2
	3 About half the time	260	1.2	8.3	95.5
	4 Sometimes	131	.6	4.2	99.6
	5 Never	12	.1	.4	100.0
	Total	3150	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	System	69	.3		
	Total	18449	85.4		
Total		21599	100.0		

**UsePencil\_17 How child holds pencil, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Uses fingers to hold the pencil	2375	11.0	75.5	75.5
	2 Grips the pencil in his or her fist	728	3.4	23.2	98.7
	3 This child cannot hold a pencil	41	.2	1.3	100.0
	Total	3144	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	75	.3		
	Total	18455	85.4		
Total		21599	100.0		

**PlayWell\_17 Child plays well with others, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	1223	5.7	38.9	38.9
	2 Most of the time	1669	7.7	53.0	91.9
	3 About half the time	152	.7	4.8	96.7
	4 Sometimes	94	.4	3.0	99.7
	5 Never	9	.0	.3	100.0
	Total	3147	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	72	.3		
	Total	18452	85.4		
Total		21599	100.0		

**NewActivity\_17 Child becomes angry or anxious when going from one activity to another, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	31	.1	1.0	1.0
	2 Most of the time	98	.5	3.1	4.1
	3 About half the time	229	1.1	7.3	11.4
	4 Sometimes	1701	7.9	54.1	65.4
	5 Never	1087	5.0	34.6	100.0
	Total	3146	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	73	.3		
	Total	18453	85.4		
Total		21599	100.0		

**HurtSad\_17 Child shows concern when others are hurt or unhappy, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	1247	5.8	39.6	39.6
	2 Most of the time	1410	6.5	44.8	84.4
	3 About half the time	243	1.1	7.7	92.1
	4 Sometimes	218	1.0	6.9	99.0
	5 Never	31	.1	1.0	100.0
	Total	3149	14.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 Missing	70	.3		
	Total	18450	85.4		
Total		21599	100.0		

**CalmDown\_17 Child can calm down when excited or all wound up, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	372	1.7	11.8	11.8
	2 Most of the time	1647	7.6	52.4	64.2
	3 About half the time	718	3.3	22.8	87.1
	4 Sometimes	370	1.7	11.8	98.9
	5 Never	36	.2	1.1	100.0
	Total	3143	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	76	.4		
	Total	18456	85.4		
		21599	100.0		

**temper\_17 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 Always	63	.3	2.0	2.0
	2 Most of the time	309	1.4	9.8	11.8
	3 About half the time	544	2.5	17.3	29.1
	4 Sometimes	1928	8.9	61.3	90.5
	5 Never	300	1.4	9.5	100.0
	Total	3144	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	75	.3		
	Total	18455	85.4		
		21599	100.0		

**MakeFr3to5\_17 Child has difficulty making and keeping friends**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No difficulty	2639	12.2	83.9	83.9
	2 A little difficulty	421	1.9	13.4	97.3
	3 A lot of difficulty	84	.4	2.7	100.0
	Total	3144	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-2 years	2942	13.6		
	99 No valid response	75	.3		
Missing	Total	18455	85.4		
		21599	100.0		

**SitStill1\_17 Child often able to sit still, age 3-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	442	2.0	14.1	14.1
	2 Most of the time	1672	7.7	53.2	67.3
	3 About half the time	607	2.8	19.3	86.6
	4 Sometimes	376	1.7	12.0	98.5
	5 Never	46	.2	1.5	100.0
	Total	3143	14.6	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	76	.4		
	Total	18456	85.4		
		21599	100.0		

## Family Health and Activities

**MothPhyH\_17 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	14302	66.2	73.3	73.3
	2 Good	4204	19.5	21.6	94.9
	3 Fair or poor	995	4.6	5.1	100.0
	Total	19501	90.3	100.0	
Missing	95 No mother in the household	1630	7.5		
	99 Missing	468	2.2		
	Total	2098	9.7		
Total		21599	100.0		

**FathPhyH\_17 Indicator 6.1a: 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	12826	59.4	73.6	73.6
	2 Good	3800	17.6	21.8	95.4
	3 Fair or poor	805	3.7	4.6	100.0
	Total	17431	80.7	100.0	
Missing	95 No father in the household	3707	17.2		
	99 Missing	461	2.1		
	Total	4168	19.3		
Total		21599	100.0		

**MotherMH\_17 Indicator 6.2: Mental 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	15036	69.6	77.2	77.2
	2 Good	3504	16.2	18.0	95.2
	3 Fair or poor	945	4.4	4.8	100.0
	Total	19485	90.2	100.0	
Missing	95 No mother in the household	1630	7.5		
	99 Missing	484	2.2		
	Total	2114	9.8		
Total		21599	100.0		

**FatherMH\_17 Indicator 6.2a: 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	14200	65.7	81.6	81.6
	2 Good	2566	11.9	14.7	96.3
	3 Fair or poor	636	2.9	3.7	100.0
	Total	17402	80.6	100.0	
Missing	95 No father in the household	3707	17.2		
	99 Missing	490	2.3		
	Total	4197	19.4		
Total		21599	100.0		

**MotherHSt\_17 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	12894	59.7	66.4	66.4
	2 One or both of physical & mental health are NOT excellent/very good	6535	30.3	33.6	100.0
	Total	19429	90.0	100.0	
	95 No biological, adoptive, step or foster mother in household	1630	7.5		
Missing	99 Missing	540	2.5		
	Total	2170	10.0		
		21599	100.0		
Total					

**FatherHSt\_17 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	11943	55.3	68.8	68.8
	2 One or both of physical & mental health are NOT excellent/very good	5416	25.1	31.2	100.0
	Total	17359	80.4	100.0	
	95 No biological, adoptive, step or foster father in household	3707	17.2		
Missing	99 Missing	533	2.5		
	Total	4240	19.6		
		21599	100.0		
Total					

**smoking\_17 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	2988	13.8	14.0	14.0
	2 No	18313	84.8	86.0	100.0
	Total	21301	98.6	100.0	
	99 Missing	298	1.4		
Total		21599	100.0		

**SmkInside\_17 Indicator 6.4a: Someone smokes inside the home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No one smokes in the household	18313	84.8	86.1	86.1
	2 Someone smokes, not inside the house	2609	12.1	12.3	98.4
	3 Someone smokes inside the house	346	1.6	1.6	100.0
	Total	21268	98.5	100.0	
Missing	99 Missing	331	1.5		
	Total	21599	100.0		

**WrkngPoor\_17 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	1920	8.9	9.1	9.1
	2 Do not live in 'working poor' household	19226	89.0	90.9	100.0
	Total	21146	97.9	100.0	
	99 Missing	453	2.1		
Total		21599	100.0		

**Shareideas\_17 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	10261	47.5	67.5	67.5
	2 Somewhat well	4289	19.9	28.2	95.7
	3 Not very well or Not very well at all	653	3.0	4.3	100.0
	Total	15203	70.4	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	235	1.1		
	Total	6396	29.6		
Total		21599	100.0		

**Shareideas2\_17 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	10261	47.5	67.5	67.5
	2 Somewhat well/Not very well or Not very well at all	4942	22.9	32.5	100.0
	Total	15203	70.4	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	235	1.1		
	Total	6396	29.6		
Total		21599	100.0		

**readto\_17 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 No days	297	1.4	4.9	4.9
	2 1-3 days	1650	7.6	27.0	31.9
	3 4-6 days	1258	5.8	20.6	52.5
	4 Every day	2904	13.4	47.5	100.0
Missing	Total	6109	28.3	100.0	
	90 Children age 6-17 years	15438	71.5		
	99 Missing	52	.2		
Total	Total	15490	71.7		
		21599	100.0		

**SingStory\_17 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 No days	183	.8	3.0	3.0
	2 1-3 days	1411	6.5	23.1	26.1
	3 4-6 days	1182	5.5	19.4	45.5
	4 Every day	3327	15.4	54.5	100.0
Missing	Total	6103	28.3	100.0	
	90 Children age 6-17 years	15438	71.5		
	99 Missing	58	.3		
Total	Total	15496	71.7		
		21599	100.0		

**MealTogether\_17 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	638	3.0	3.0	3.0
	1 1-3 days	5423	25.1	25.5	28.5
	2 4-6 days	7130	33.0	33.5	62.0
	3 Every day	8087	37.4	38.0	100.0
	Total	21278	98.5	100.0	
Missing	99 Missing	321	1.5		
Total		21599	100.0		

**TVwatch\_17 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	1789	8.3	8.4	8.4
	1 Watch TV less than 1 hour per day	4304	19.9	20.1	28.5
	2 Watch TV 1 hour per day	5898	27.3	27.6	56.0
	3 Watch TV 2-3 hours per day	7895	36.6	36.9	92.9
	4 Watch TV 4 hours or more per day	1513	7.0	7.1	100.0
	Total	21399	99.1	100.0	
Missing	99 Missing	200	.9		
Total		21599	100.0		

**CompElDev\_17 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	3235	15.0	15.1	15.1
	1 Use electronic devices less than 1 hour per day	4199	19.4	19.6	34.7
	2 Use electronic devices 1 hour per day	4592	21.3	21.5	56.2
	3 Use electronic devices 2-3 hours per day	6833	31.6	31.9	88.1
	4 Use electronic devices 4 hours or more per day	2543	11.8	11.9	100.0
	Total	21402	99.1	100.0	
Missing	99 Missing	197	.9		
Total		21599	100.0		

**FamResilience\_17 Indicator 6.12: Family flourishing composite measure**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All or most of the time to 0-1 items	1255	5.8	5.9	5.9
	2 All or most of the time to 2-3 items	2319	10.7	10.9	16.8
	3 All or most of the time to all 4 items	17728	82.1	83.2	100.0
	Total	21302	98.6	100.0	
Missing	99 Missing to all 4 items	297	1.4		
Total		21599	100.0		

**TalkAbout\_17 Talk together about what to do when the family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	10779	49.9	50.8	50.8
	2 Most of the time	8369	38.7	39.4	90.2
	3 Some/None of the time	2085	9.7	9.8	100.0
	Total	21233	98.3	100.0	
Missing	99 Missing	366	1.7		
Total		21599	100.0		

**WrkToSolve\_17 Work together to solve the problem when your family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	10630	49.2	50.2	50.2
	2 Most of the time	8520	39.4	40.2	90.4
	3 Some/None of the time	2038	9.4	9.6	100.0
	Total	21188	98.1	100.0	
Missing	99 Missing	411	1.9		
Total		21599	100.0		

**strengths\_17 Know we have strengths to draw on when the family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	11673	54.0	55.2	55.2
	2 Most of the time	7654	35.4	36.2	91.3
	3 Some/None of the time	1835	8.5	8.7	100.0
	Total	21162	98.0	100.0	
Missing	99 Missing	437	2.0		
Total		21599	100.0		

**hopeful\_17 Stay hopeful even in difficult times when the family faces problems**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	11395	52.8	53.7	53.7
	2 Most of the time	8607	39.8	40.5	94.2
	3 Some/None of the time	1228	5.7	5.8	100.0
	Total	21230	98.3	100.0	
Missing	99 Missing	369	1.7		
Total		21599	100.0		

**ACE2more\_17 Indicator 6.13: Children experienced two or more adverse childhood experiences**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No adverse childhood experiences	12616	58.4	59.3	59.3
	2 Experienced 1 adverse childhood experience	4692	21.7	22.1	81.4
	3 Experienced 2 or more adverse childhood experiences	3965	18.4	18.6	100.0
	Total	21273	98.5	100.0	
Missing	99 Missing to all 9 items	326	1.5		
Total		21599	100.0		

**ACEincome\_17 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	9667	44.8	45.6	45.6
	2 Rarely hard to get by on family income	7411	34.3	35.0	80.6
	3 Somewhat often hard to get by on family income	3097	14.3	14.6	95.2
	4 Very often hard to get by on family income	1026	4.8	4.8	100.0
Missing	Total	21201	98.2	100.0	
Missing	99 Missing	398	1.8		
Total		21599	100.0		

**ACEdivorce\_17 Adverse childhood experience: parent or guardian divorced or separated**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	4657	21.6	22.2	22.2
	2 Did not experience this adverse childhood experience	16359	75.7	77.8	100.0
	Total	21016	97.3	100.0	
Missing	99 Missing	583	2.7		
Total		21599	100.0		

**ACEdeath\_17 Adverse childhood experience: parent or guardian died**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	659	3.1	3.1	3.1
	2 Did not experience this adverse childhood experience	20324	94.1	96.9	100.0
	Total	20983	97.1	100.0	
Missing	99 Missing	616	2.9		
Total		21599	100.0		

**ACEjail\_17 Adverse childhood experience: parent or guardian served time in jail**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	1299	6.0	6.2	6.2
	2 Did not experience this adverse childhood experience	19682	91.1	93.8	100.0
	Total	20981	97.1	100.0	
Missing	99 Missing	618	2.9		
Total		21599	100.0		

**ACEdomviol\_17 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	1029	4.8	4.9	4.9
	2 Did not experience this adverse childhood experience	19905	92.2	95.1	100.0
	Total	20934	96.9	100.0	
Missing	99 Missing	665	3.1		
Total		21599	100.0		

**ACEneighviol\_17 Adverse childhood experience: victim/witness of neighborhood violence**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	783	3.6	3.7	3.7
	2 Did not experience this adverse childhood experience	20162	93.3	96.3	100.0
	Total	20945	97.0	100.0	
Missing	99 Missing	654	3.0		
Total		21599	100.0		

**ACEmhealth\_17 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	1733	8.0	8.3	8.3
	2 Did not experience this adverse childhood experience	19183	88.8	91.7	100.0
	Total	20916	96.8	100.0	
Missing	99 Missing	683	3.2		
Total		21599	100.0		

**ACEdrug\_17 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	1896	8.8	9.1	9.1
	2 Did not experience this adverse childhood experience	19029	88.1	90.9	100.0
	Total	20925	96.9	100.0	
Missing	99 Missing	674	3.1		
Total		21599	100.0		

**ACEdiscrim\_17 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	621	2.9	3.0	3.0
	2 Did not experience this adverse childhood experience	20362	94.3	97.0	100.0
	Total	20983	97.1	100.0	
Missing	99 Missing	616	2.9		
Total		21599	100.0		

**ParAggrav\_17 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 aggravation from parenting	1064	4.9	5.0	5.0
	2 Parent seldom feels aggravation from parenting	20345	94.2	95.0	100.0
	Total	21409	99.1	100.0	
Missing	99 Missing to all 3 items	190	.9		
Total		21599	100.0		

**DiffCare\_17 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	14247	66.0	66.7	66.7
	2 Rarely	4029	18.7	18.9	85.5
	3 Sometimes	2252	10.4	10.5	96.1
Missing	4 Usually or always	835	3.9	3.9	100.0
Total		21363	98.9	100.0	
Total	99 Missing	236	1.1		
Total		21599	100.0		

**bother\_17 Parent felt child does things that bother them during the past month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never	9842	45.6	46.1	46.1
	2 Rarely	7464	34.6	35.0	81.1
	3 Sometimes	3515	16.3	16.5	97.6
	4 Usually or always	519	2.4	2.4	100.0
	Total	21340	98.8	100.0	
Missing	99 Missing	259	1.2		
Total		21599	100.0		

**angry\_17 Parent felt angry with child during the past month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never	7428	34.4	34.8	34.8
	2 Rarely	10059	46.6	47.1	82.0
	3 Sometimes	3701	17.1	17.3	99.3
	4 Usually or always	148	.7	.7	100.0
	Total	21336	98.8	100.0	
Missing	99 Missing	263	1.2		
Total		21599	100.0		

**EmSupport\_17 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	17410	80.6	81.5	81.5
	2 No	3945	18.3	18.5	100.0
	Total	21355	98.9	100.0	
Missing	99 Missing	244	1.1		
	Total	21599	100.0		

**EmSSpouse\_17 Children whose parents had day-to-day emotional support with parenting or raising children from their spouse**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received emotional support from spouse	14329	66.3	67.7	67.7
	2 Received emotional support, but not from spouse	2894	13.4	13.7	81.4
	3 Did not receive emotional support in the past 12 months	3945	18.3	18.6	100.0
	Total	21168	98.0	100.0	
	99 Missing	431	2.0		
Total		21599	100.0		

**EmSFamily\_17 Children whose parents received day-to-day emotional support with parenting or raising children from other family member or close friend**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received emotional support from other family member or close friend	15383	71.2	72.7	72.7
	2 Received emotional support, but not from other family member or close friend	1840	8.5	8.7	81.4
	3 Did not receive emotional support in the past 12 months	3945	18.3	18.6	100.0
	Total	21168	98.0	100.0	
	99 Missing	431	2.0		
Total		21599	100.0		

**EmSProvider\_17 Children whose parents received day-to-day emotional support with parenting or raising children from health care provider**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received emotional support from a health care provider	4687	21.7	22.1	22.1
	2 Received emotional support, but not from a health care provider	12536	58.0	59.2	81.4
	3 Did not receive emotional support in the past 12 months	3945	18.3	18.6	100.0
	Total	21168	98.0	100.0	
Missing	99 Missing	431	2.0		
Total		21599	100.0		

**EmSWorship\_17 Children whose parents received day-to-day emotional support with parenting or raising children from place of worship or religious leader**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received emotional support from a place of worship	5002	23.2	23.6	23.6
	2 Received emotional support, but not from a place of worship	12221	56.6	57.7	81.4
	3 Did not receive emotional support in the past 12 months	3945	18.3	18.6	100.0
	Total	21168	98.0	100.0	
Missing	99 Missing	431	2.0		
Total		21599	100.0		

**EmSSupGrp\_17 Children whose parents received day-to-day emotional support with parenting or raising children from support or advocacy group related to specific health condition**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received emotional support from advocacy or support group	628	2.9	3.0	3.0
	2 Received emotional support, but not from advocacy or support group	16595	76.8	78.4	81.4
	3 Did not receive emotional support in the past 12 months	3945	18.3	18.6	100.0
	Total	21168	98.0	100.0	
Missing	99 Missing	431	2.0		
Total		21599	100.0		

**EmSPeer\_17 Children whose parents received day-to-day emotional support with parenting or raising children from peer support group**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received emotional support from a peer group	2110	9.8	10.0	10.0
	2 Received emotional support, but not from a peer group	15113	70.0	71.4	81.4
	3 Did not receive emotional support in the past 12 months	3945	18.3	18.6	100.0
	Total	21168	98.0	100.0	
Missing	99 Missing	431	2.0		
Total		21599	100.0		

**EmSMental\_17 Children whose parents received day-to-day emotional support with parenting or raising children from counselor or other mental health professional**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received emotional support from a mental health professional	1708	7.9	8.1	8.1
	2 Received emotional support, but not from a mental health professional	15515	71.8	73.3	81.4
	3 Did not receive emotional support in the past 12 months	3945	18.3	18.6	100.0
	Total	21168	98.0	100.0	
Missing	99 Missing	431	2.0		
Total		21599	100.0		

**ParCoping\_17 Indicator 6.16: Coping with day-to-day demands of raising children**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very well	13930	64.5	65.1	65.1
	2 Somewhat well	7202	33.3	33.6	98.7
	3 Not very well or Not very well at all	279	1.3	1.3	100.0
	Total	21411	99.1	100.0	
Missing	99 Missing	188	.9		
Total		21599	100.0		

**JobChange\_17 Indicator 6.17: Job change because problems with child care, age 0-5 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	497	2.3	8.2	8.2
	2 No	5583	25.8	91.8	100.0
	Total	6080	28.1	100.0	
	90 Children age 6-17 years	15438	71.5		
Missing	99 Missing	81	.4		
Total		15519	71.9		
Total		21599	100.0		

**StopCutWork\_17 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	1002	4.6	4.7	4.7
	2 Employment not affected	20371	94.3	95.3	100.0
	Total	21373	99.0	100.0	
	99 Missing to both	226	1.0		
Total		21599	100.0		

**AvoidChng\_17 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	1534	7.1	7.2	7.2
	2 No	19741	91.4	92.8	100.0
	Total	21275	98.5	100.0	
	99 Missing	324	1.5		
Total		21599	100.0		

**HomeCare\_17 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	1056	4.9	33.0	33.0
	2 Less than 1 hour per week	1179	5.5	36.8	69.8
	3 1-4 hours per week	524	2.4	16.4	86.2
	4 5-10 hours per week	154	.7	4.8	91.0
	5 11 or more hours per week	287	1.3	9.0	100.0
	Total	3200	14.8	100.0	
Missing	95 Do not need health care provided on a weekly basis	18168	84.1		
	99 Missing	231	1.1		
	Total	18399	85.2		
Total		21599	100.0		

**TimeCoord\_17 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	729	3.4	23.8	23.8
	2 Less than 1 hour per week	1706	7.9	55.7	79.5
	3 1-4 hours per week	508	2.4	16.6	96.1
	4 5-10 hours per week	56	.3	1.8	98.0
	5 11 or more hours per week	62	.3	2.0	100.0
	Total	3061	14.2	100.0	
Missing	95 Do not need health care provided on a weekly basis	18320	84.8		
	99 Missing	218	1.0		
	Total	18538	85.8		
Total		21599	100.0		

**Care10hrs\_17 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	3692	17.1	60.8	60.8
	2 No	2384	11.0	39.2	100.0
	Total	6076	28.1	100.0	
	90 Children age 6-17 years	15438	71.5		
	99 Missing	85	.4		
	Total	15523	71.9		
Total		21599	100.0		

**SleepPos\_17 Indicator 6.22: Sleep position, age less than 12 month**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 On his or her back	579	2.7	76.3	76.3
	2 On his or her side	91	.4	12.0	88.3
	3 On his or her stomach	89	.4	11.7	100.0
	Total	759	3.5	100.0	
	90 Children age 1-17 years	20803	96.3		
	99 Missing	37	.2		
Missing	Total	20840	96.5		
	Total	21599	100.0		

**BedTime\_17 Indicator 6.24: Go to bed at the same time on weeknights**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	6908	32.0	32.2	32.2
	2 Usually	12315	57.0	57.5	89.7
	3 Sometimes	1640	7.6	7.7	97.4
	4 Rarely or never	564	2.6	2.6	100.0
	Total	21427	99.2	100.0	
Missing	99 Missing	172	.8		
Total		21599	100.0		

**HrsSleep\_17 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	14361	66.5	68.0	68.0
	2 Child sleeps less than recommended age-appropriate hours	6763	31.3	32.0	100.0
	Total	21124	97.8	100.0	
	95 Children less than 4 months old	255	1.2		
	99 Missing	220	1.0		
Missing	Total	475	2.2		
		21599	100.0		

**FoodSit\_17 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	15623	72.3	73.8	73.8
	2 We could always afford enough to eat but not always the kinds of food we should eat	4672	21.6	22.1	95.8
	3 Sometimes we could not afford enough to eat	725	3.4	3.4	99.2
	4 Often we could not afford enough to eat	159	.7	.8	100.0
	Total	21179	98.1	100.0	
Missing	99 Missing	420	1.9		
Total		21599	100.0		

**FoodCash\_17 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	16009	74.1	75.4	75.4
	1 Received 1-2 types of assistance	4574	21.2	21.5	96.9
	2 Received 3-4 types of assistance	655	3.0	3.1	100.0
	Total	21238	98.3	100.0	
	99 Missing	361	1.7		
Total		21599	100.0		

**WIC\_17 Someone in the family received benefits from the WIC Program during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1290	6.0	6.1	6.1
	2 No	19817	91.7	93.9	100.0
	Total	21107	97.7	100.0	
	99 Missing	492	2.3		
	Total	21599	100.0		
Missing					

**CashAss\_17 Someone in the family received cash assistance from government during the past 12 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	489	2.3	2.3	2.3
	2 No	20604	95.4	97.7	100.0
	Total	21093	97.7	100.0	
Missing	99 Missing	506	2.3		
	Total	21599	100.0		

**FoodStamp\_17 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 Yes	2236	10.4	10.6	10.6
	2 No	18869	87.4	89.4	100.0
	Total	21105	97.7	100.0	
Missing	System	494	2.3		
	Total	21599	100.0		

**MealFree\_17 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	4217	19.5	20.0	20.0
	2 No	16876	78.1	80.0	100.0
	Total	21093	97.7	100.0	
Missing	99 Missing	506	2.3		
	Total	21599	100.0		

**Neighborhood Safety and Support****NbhdSupp\_17 Child live is a supportive neighborhood**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Live in supportive neighborhoods	12703	58.8	60.6	60.6
	2 Do not live in supportive neighborhoods	8257	38.2	39.4	100.0
	Total	20960	97.0	100.0	
Missing	99 Missing to any	639	3.0		
	Total	21599	100.0		

**NbhdSafe\_17 Indicator 7.2: Children live in safe neighborhoods**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely agree	14766	68.4	69.9	69.9
	2 Somewhat agree	5680	26.3	26.9	96.8
	3 Somewhat/Definitely disagree	685	3.2	3.2	100.0
Missing	Total	21131	97.8	100.0	
	99 Missing	468	2.2		
Total		21599	100.0		

**SchISafe\_17 Indicator 7.3: Children who are safe at schools, age 6-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely agree	11611	53.8	77.3	77.3
	2 Somewhat agree	3146	14.6	21.0	98.3
	3 Somewhat or definitely disagree	255	1.2	1.7	100.0
	Total	15012	69.5	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	99 Missing	426	2.0		
	Total	6587	30.5		
Total		21599	100.0		

**NbhdAmenities\_17 Count of amenities in children's neighborhoods**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Neighborhood does not contain any amenities	2509	11.6	12.0	12.0
	1 Neighborhood contains 1 amenity	2295	10.6	11.0	23.0
	2 Neighborhood contains 2 amenities	3606	16.7	17.3	40.2
	3 Neighborhood contains 3 amenities	4630	21.4	22.2	62.4
	4 Neighborhood contains all 4 amenities	7860	36.4	37.6	100.0
	Total	20900	96.8	100.0	
Missing	99 Missing to any of the questions	699	3.2		
	Total	21599	100.0		

**SideWlk\_17 Children who live in neighborhoods with sidewalks or walking paths**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood contains sidewalks or walking paths	15296	70.8	72.1	72.1
	2 Neighborhood does not contain sidewalks or walking paths	5906	27.3	27.9	100.0
	Total	21202	98.2	100.0	
	99 Missing	397	1.8		
Total		21599	100.0		

**park\_17 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	15721	72.8	74.3	74.3
	2 Neighborhood does not contain a park or playground area	5436	25.2	25.7	100.0
	Total	21157	98.0	100.0	
	99 Missing	442	2.0		
Total		21599	100.0		

**RecCentr\_17 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	10258	47.5	48.5	48.5
	2 Neighborhood does not contain a recreation center, community center or Boys'/Girls' Club	10872	50.3	51.5	100.0
	Total	21130	97.8	100.0	
	99 Missing	469	2.2		
Total		21599	100.0		

**library\_17 Children who live in neighborhoods with a library or bookmobile**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Neighborhood contains a library or bookmobile	14278	66.1	67.6	67.6
	2 Neighborhood does not contain a library or bookmobile	6842	31.7	32.4	100.0
	Total	21120	97.8	100.0	
	99 Missing	479	2.2		
Total		21599	100.0		

**NbhdDetract\_17 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	16512	76.4	78.4	78.4
	1 Neighborhood has 1 detracting element	2936	13.6	13.9	92.4
	2 Neighborhood has 2 detracting elements	961	4.4	4.6	97.0
	3 Neighborhood has 3 detracting elements	639	3.0	3.0	100.0
	Total	21048	97.4	100.0	
Missing	99 Missing to any of the questions	551	2.6		
Total		21599	100.0		

**litter\_17 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	3264	15.1	15.4	15.4
	2 Neighborhood does not have litter or garbage on sidewalks and streets	17883	82.8	84.6	100.0
	Total	21147	97.9	100.0	
	99 Missing	452	2.1		
Total		21599	100.0		

**housing\_17 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	2388	11.1	11.3	11.3
	2 Neighborhood does not have poorly kept or dilapidated rundown housing	18775	86.9	88.7	100.0
	Total	21163	98.0	100.0	
	99 Missing	436	2.0		
Total		21599	100.0		

**vandal\_17 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	1189	5.5	5.6	5.6
	2 Neighborhood does not have broken windows or graffiti	20001	92.6	94.4	100.0
	Total	21190	98.1	100.0	
	99 Missing	409	1.9		
Total		21599	100.0		

## Child and Family Demographics and Subgroups

age3\_17 Children's age in 3 categories

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-5 years old	6161	28.5	28.5	28.5
	2 6-11 years old	6529	30.2	30.2	58.8
	3 12-17 years old	8909	41.2	41.2	100.0
	Total	21599	100.0	100.0	

age5\_17 Children's age in 5 categories

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-3 years old	4016	18.6	18.6	18.6
	2 4-7 years old	4133	19.1	19.1	37.7
	3 8-11 years old	4541	21.0	21.0	58.8
	4 12-14 years old	3976	18.4	18.4	77.2
	5 15-17 years old	4933	22.8	22.8	100.0
	Total	21599	100.0	100.0	

sex\_17 Sex of the child

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Male	11067	51.2	51.2	51.2
	2 Female	10532	48.8	48.8	100.0
	Total	21599	100.0	100.0	

race4\_17 Race/ethnicity categories

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic	2470	11.4	11.4	11.4
	2 White, non-Hispanic	14902	69.0	69.0	80.4
	3 Black, non-Hispanic	1365	6.3	6.3	86.7
	4 Other/Multi-racial, non-Hispanic	2862	13.3	13.3	100.0
	Total	21599	100.0	100.0	

raceASIA\_17 Race/ethnicity categories

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic	2470	11.4	11.4	11.4
	2 White, non-Hispanic	14902	69.0	69.0	80.4
	3 Black, non-Hispanic	1365	6.3	6.3	86.7
	4 Asian, non-Hispanic	1099	5.1	5.1	91.8
	5 Other/Multi-racial, non-Hispanic	1763	8.2	8.2	100.0
	Total	21599	100.0	100.0	

**race7\_17 Race/ethnicity categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic	2470	11.4	11.5	11.5
	2 White, non-Hispanic	14902	69.0	69.6	81.1
	3 Black, non-Hispanic	1365	6.3	6.4	87.5
	4 Asian, non-Hispanic	1099	5.1	5.1	92.6
	5 American Indian or Alaska Native Non-Hispanic	112	.5	.5	93.1
	6 Native Hawaiian and Other Pacific Islander Non-Hispanic	49	.2	.2	93.3
	7 Multi-Race Non-Hispanic	1426	6.6	6.7	100.0
	Total	21423	99.2	100.0	
Missing	96 Other Non-Hispanic	176	.8		
Total		21599	100.0		

**PrntNativity\_17 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)	16600	76.9	77.6	77.6
	2 Any parent born outside of the US (1st and 2nd generation HH)	3628	16.8	17.0	94.5
	3 Other (child born in United States, parents are not listed)	1174	5.4	5.5	100.0
	Total	21402	99.1	100.0	
	99 Missing	197	.9		
Total		21599	100.0		

**HHLanguage\_17 Primary household language spoken in the household**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 English	20076	92.9	93.6	93.6
	2 Other than English	1382	6.4	6.4	100.0
	Total	21458	99.3	100.0	
	99 Missing	141	.7		
Total		21599	100.0		

**hisplang\_17 Primary household language parsed to Hispanic and non-Hispanic**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic children, non-English PHH language	679	3.1	3.2	3.2
	2 Hispanic children, English PHH language	1745	8.1	8.1	11.3
	3 Non-Hispanic child	19034	88.1	88.7	100.0
	Total	21458	99.3	100.0	
	99 Missing to any	141	.7		
Total		21599	100.0		

**famstruct\_17 Family structure**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Two parents, currently married	15649	72.5	73.7	73.7
	2 Two parents, not currently married	1411	6.5	6.6	80.4
	3 Single parent (mother or father)	3242	15.0	15.3	95.7
	4 Other family type, no parent reported	922	4.3	4.3	100.0
	Total	21224	98.3	100.0	
Missing	99 Missing	375	1.7		
Total		21599	100.0		

**povlev4\_17 Poverty level of this household based on DHHS guidelines - Imputed**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-99% FPL	2722	12.6	12.6	12.6
	2 100-199% FPL	3250	15.0	15.0	27.6
	3 200-399% FPL	6547	30.3	30.3	58.0
	4 400% FPL or greater	9080	42.0	42.0	100.0
	Total	21599	100.0	100.0	

**povSCHIP\_17 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	5972	27.6	27.6	27.6
	2 200-299% FPL	3381	15.7	15.7	43.3
	3 300-399% FPL	3166	14.7	14.7	58.0
	4 400% FPL or greater	9080	42.0	42.0	100.0
	Total	21599	100.0	100.0	

**AdultEduc\_17 Highest level of education among reported adults**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than high school	447	2.1	2.1	2.1
	2 High school or GED	2670	12.4	12.4	14.4
	3 Some college or technical school	5022	23.3	23.3	37.7
	4 College degree or higher	13460	62.3	62.3	100.0
	Total	21599	100.0	100.0	

**BornUSA\_17 Children who were born in US**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Children were born in US	20807	96.3	96.8	96.8
	2.00 Children were born outside of US	692	3.2	3.2	100.0
	Total	21499	99.5	100.0	
	99.00 Missing	100	.5		
Total		21599	100.0		

**FamCount\_17 Number of family members in the household**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 1 or 2 people	1246	5.8	5.9	5.9
	2.00 3 people	6912	32.0	32.8	38.7
	3.00 4 people	8073	37.4	38.3	77.1
	4.00 5 people	3387	15.7	16.1	93.1
	5.00 6 or more people	1443	6.7	6.9	100.0
	Total	21061	97.5	100.0	
Missing	99.00	538	2.5		
Total		21599	100.0		

**MilitarySt\_17 Military status of adult(s) in the household**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Now on active duty	325	1.5	1.5	1.5
	2 On active duty in the past, but not now	1920	8.9	9.1	10.6
	3 Only on active duty for training in the Reserves or National Guard	409	1.9	1.9	12.5
	4 Never served in the military	18496	85.6	87.5	100.0
	Total	21150	97.9	100.0	
	99 Missing	449	2.1		
Total		21599	100.0		

## Appendix B: Unweighted Frequency Tables

### Title V Services Block Grant Measures

---



**TITLE V SERVICES BLOCK GRANT MEASURES****National Performance Measures**

**npm6DSc\_17 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	848	3.9	37.2	37.2
	2 Parent did not complete developmental screening	1433	6.6	62.8	100.0
	Total	2281	10.6	100.0	
Missing	90 Children age 6-17 years	15438	71.5		
	95 Children age 0-8 months or 3-5 years	3800	17.6		
	99 Missing	80	.4		
	Total	19318	89.4		
Total		21599	100.0		

**npm8PhAc6to11\_17 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 days	278	1.3	4.3	4.3
	2 1-3 days	2459	11.4	38.1	42.4
	3 4-6 days	2091	9.7	32.4	74.9
	4 Everyday	1620	7.5	25.1	100.0
	Total	6448	29.9	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	95 Children age 12-17 years	8909	41.2		
	99 Missing	81	.4		
	Total	15151	70.1		
Total		21599	100.0		

**npm8PhAc12to17\_17 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	1096	5.1	12.5	12.5
	2 1-3 days	3453	16.0	39.3	51.7
	3 4-6 days	2837	13.1	32.3	84.0
	4 Everyday	1405	6.5	16.0	100.0
	Total	8791	40.7	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	95 Children age 6-11 years	6529	30.2		
	99 Missing	118	.5		
	Total	12808	59.3		
Total		21599	100.0		

**npm9bullied\_17 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	1955	9.1	22.3	22.3
	2 Not true	6826	31.6	77.7	100.0
	Total	8781	40.7	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	95 Children age 6-11 years	6529	30.2		
	99 Missing	128	.6		
Total	Total	12818	59.3		
		21599	100.0		

**npm9bully\_17 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	407	1.9	4.6	4.6
	2 Not true	8385	38.8	95.4	100.0
	Total	8792	40.7	100.0	
Missing	90 Children age 0-5 years	6161	28.5		
	95 Children age 6-11 years	6529	30.2		
	99 Missing	117	.5		
Total	Total	12807	59.3		
		21599	100.0		

**npm10PrVi\_17 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	7264	33.6	82.3	82.3
	2 No preventive care visits	1565	7.2	17.7	100.0
	Total	8829	40.9	100.0	
Missing	95 Children age 0-11 years	12690	58.8		
	99 Missing	80	.4		
	Total	12770	59.1		
Total		21599	100.0		

**npm11MHCSHCN\_17 National Performance Measure 11: Percent of children with 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	2378	11.0	48.4	48.4
	2 Care DOES NOT meet medical home criteria	2533	11.7	51.6	100.0
	Total	4911	22.7	100.0	
Missing	95 Non-CSHCN	16687	77.3		
	99 Missing to any	1	.0		
	Total	16688	77.3		
Total		21599	100.0		

**npm11MHnonCSHCN\_17 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	9329	43.2	56.0	56.0
	2 Care DOES NOT meet medical home criteria	7343	34.0	44.0	100.0
	Total	16672	77.2	100.0	
	95 CSHCN	4912	22.7		
Missing	99 Missing to any	15	.1		
	Total	4927	22.8		
	Total	21599	100.0		

**npm12TransCSHCN\_17 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	515	2.4	20.4	20.4
	2 Did not receive services necessary for transition to adult health care	2012	9.3	79.6	100.0
	Total	2527	11.7	100.0	
	90 Children age 0-11 years	12690	58.8		
Missing	95 Non-CSHCN age 12-17 years	6371	29.5		
	99 Missing to any	11	.1		
	Total	19072	88.3		
Total		21599	100.0		

**npm12TransNonCSHCN\_17 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	1105	5.1	17.4	17.4
	2 Did not receive services necessary for transition to adult health care	5229	24.2	82.6	100.0
	Total	6334	29.3	100.0	
	90 Children age 0-11 years	12690	58.8		
Missing	95 CSHCN age 12-17 years	2538	11.8		
	99 Missing to any	37	.2		
	Total	15265	70.7		
Total		21599	100.0		

**npm13\_2DePrev\_17 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	17320	80.2	83.7	83.7
	2 No preventive dental visits	3381	15.7	16.3	100.0
	Total	20701	95.8	100.0	
	95 Children less than 1 year old	796	3.7		
Missing	99 Missing	102	.5		
	Total	898	4.2		
	Total	21599	100.0		

**npm14\_2Smoke\_17 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	2988	13.8	14.0	14.0
	2 No	18313	84.8	86.0	100.0
	Total	21301	98.6	100.0	
Missing	99 Missing	298	1.4		
Total		21599	100.0		

**npm15AdIns\_17 National Performance Measure 15: Percent of children, ages 0 through 17, who are continuously and adequately insured**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Current insurance is adequate and continuously insured in past year	14506	67.2	67.4	67.4
	2 Current insurance is inadequate and/or had gap in insurance coverage in past year	7025	32.5	32.6	100.0
	Total	21531	99.7	100.0	
Missing	99 Missing to both questions	68	.3		
Total		21599	100.0		

## National Outcome Measures

**nom14TthDec\_17 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	1914	8.9	9.3	9.3
	2 No tooth decay or cavities	18693	86.5	90.7	100.0
	Total	20607	95.4	100.0	
Missing	95 Children age <1 year	796	3.7		
	99 Missing	196	.9		
	Total	992	4.6		
Total		21599	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	4912	22.7	22.7	22.7
	2 Non-CSHCN	16687	77.3	77.3	100.0
	Total	21599	100.0	100.0	

**nom17\_2sysCSHCN\_17 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 Receive care in a well-functioning system	785	3.6	16.0	16.0
	2 Do not receive care in a well-functioning system	4127	19.1	84.0	100.0
	Total	4912	22.7	100.0	
Missing	95 Non-CSHCN	16687	77.3		
Total		21599	100.0		

**nom17\_3ASD\_17 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 Do not have condition	17988	83.3	96.8	96.8
	2 Ever told, but do not currently have condition	42	.2	.2	97.1
	3 Currently have condition	548	2.5	2.9	100.0
	Total	18578	86.0	100.0	
Missing	95 Children age 0-2 years	2942	13.6		
	99 Missing	79	.4		
	Total	3021	14.0		
Total		21599	100.0		

**nom17\_4ADHD\_17 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 Do not have condition	16478	76.3	76.3	76.3
	2 Ever told, but do not currently have condition	157	.7	.7	77.0
	3 Currently have condition	1863	8.6	8.6	85.6
	95 Children age 0-2 years	2942	13.6	13.6	99.3
	99 Missing	159	.7	.7	100.0
	Total	21599	100.0	100.0	

**nom18MHlth\_17 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	1485	6.9	54.9	54.9
	2 Needed treatment, did not receive it	1222	5.7	45.1	100.0
	Total	2707	12.5	100.0	
	95 Children age 0-2 years/Do not have any of 3 conditions	18800	87.0		
Missing	99 Missing	92	.4		
	Total	18892	87.5		
	Total	21599	100.0		

**nom19ChHSt\_17 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	19824	91.8	92.0	92.0
	2 Good	1446	6.7	6.7	98.7
	3 Fair or poor	279	1.3	1.3	100.0
	Total	21549	99.8	100.0	
Missing	99 Missing	50	.2		
	Total	21599	100.0		

**nom20obese\_17 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)	697	3.2	6.4	6.4
	2 Normal weight (5th to 84th percentile)	7174	33.2	66.2	72.6
	3 Overweight (85th to 94th percentile)	1533	7.1	14.1	86.8
	4 Obese (95th percentile or above)	1435	6.6	13.2	100.0
	Total	10839	50.2	100.0	
Missing	90 Children age 0-9 years	10284	47.6		
	99 Missing	476	2.2		
	Total	10760	49.8		
Total		21599	100.0		

**nom25ForgoneHC\_17 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 Needed care, but did not receive	505	2.3	2.3	2.3
	2 Received needed care	21016	97.3	97.7	100.0
	Total	21521	99.6	100.0	
Missing	99 Missing	78	.4		
Total		21599	100.0		

## **Appendix C:**

### **Notes on the redesign of the 2016 NSCH**

---



## Notes on the redesign of the 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 and the increasing proportion of children living in cell-phone only households. The rise of mobile phone use made the previous design and administration of the NSCH increasingly difficult. The 2011/12 NSCH included cell phone sampling to address this issue. However, sampling cell phones comes with complications of its own: it is more expensive, and people are less likely to complete a survey on their mobile phone as compared to a landline telephone. 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 redesigned NSCH 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 redesigned NSCH contains the Children with Special Health Care Needs Screener so that the survey will still provide valuable data on CSHCN.

As part of the redesign, the Maternal and Child Health Bureau (MCHB) consulted with other federal agencies that conducted household surveys. Additionally, MCHB convened a panel of federal and non-federal 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. These experts considered the following questions: 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 redesigned NSCH sampled eligible households and children in a different manner from previous surveys. Instead of using telephone numbers, people were sampled using residential addresses. MCHB partnered with the United States Census Bureau to conduct the survey because the Census Bureau has extensive experience conducting address-based surveys. See the 2017 NSCH sampling and administration diagram on the [DRC website](#). Additional details on survey design and administration are available on the [US Census website](#).

More information about the redesign of the survey is 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. 2018, Volume 22, Issue 8, pp 1093–1102

## **Appendix D:**

### **Methods Notes on Imputation of Missing Values**

#### **Household Income Missing Values**

---



## Methods Notes on Imputation of Missing Values

In the 2017 NSCH, family income, household count, and respondent education (Adult 1) variables were multiply imputed. All six imputed poverty level variables (FPL\_I1-FPL\_I6), along with the first implicate of Adult 1 education and family count variables, and single imputed variables for child's sex, race and Hispanic origin are included in the public use file provided by the Census Bureau.

### *Missing or Invalid Responses to Income Questions*

The 2017 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, item non-response was higher for the NSCH question on total combined household income during the previous calendar year, as compared to other survey items. 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 2017, 16.03% of completed topical questionnaires 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 it 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 income (federal poverty level) variables ("povlev4\_17" and "povSCHIP\_17") in the DRC 2017 NSCH data set were generated using a single imputation value from the 2017 NSCH Topical public use data file provided by the Census Bureau (FPL\_I1). 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.

Additional information about imputation for the NSCH may be found at:

<https://www.census.gov/content/dam/Census/programs-surveys/nsch/tech-documentation/methodology/2017-NSCH-Methodology-Report.pdf> and  
<https://www.census.gov/content/dam/Census/programs-surveys/nsch/tech-documentation/methodology/2017-NSCH-Analysis-with-Imputed-Data-Guide.pdf>

SAS and Stata data files with imputed FPL estimates can be downloaded from the Census Bureau's website: <https://www.census.gov/data/datasets/2017/demo/nsch/nsch2017.html>