



2016-2017 National Survey of Children's Health (2 Years Combined Data Set)

SPSS CODEBOOK FOR DATA USERS:

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

Version 1.0: January 2019



A project of the Child and Adolescent Health Measurement Initiative



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INTRODUCTION

Purpose of the 2016-2017 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 2016-2017 (two years combined) National Survey of Children's Health (NSCH) located online at www.childhealthdata.org. The combined data from two years of the NSCH allows Title V programs and researchers to obtain both national and state-level estimates for measures that are not possible with smaller sample sizes from just one year alone. The increased sample size allows for more precise estimates in some cases and allows for estimates of low prevalence measures (e.g. autism spectrum disorder) that would otherwise not be possible.

The purpose of the DRC codebook is to serve as a resource for researchers and analysts interested in understanding how these measures are conceptualized, constructed and interpreted. This codebook complements the DRC 2016-2017 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.

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 2016 NSCH was conducted from June 2016 through February 2017. The 2017 survey was conducted from August 2017 to February 2018. A total of 71,811 surveys were completed nationally by parents/caregivers of children and youth for the 2016-2017 combined NSCH. The 2016-2017 combined data set contains approximately 1,400 surveys per state (state range: 1,070 to 1,784). For the 2016 survey, a total of 50,212 surveys were completed - approximately 985 in each state, ranging from 638 to 1,351. For the 2017 survey, 21,599 surveys were completed, ranging from 343 to 470 in each state. 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. Participants could also request a paper copy of the screener and topical questionnaire if they did not wish to complete it online. 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. 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 NSCH Methodology Reports ([2016](#) and [2017](#)).

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, it is not possible to compare estimates from the redesigned survey to those from previous iterations of the NSCH or NS-CSHCN conducted prior to 2016, nor is it possible to conduct related trend analyses with data from prior to 2016. Therefore, data from this combined data set cannot be compared to previous versions of the NSCH. Data from the single year 2017 NSCH can be compared to the single year 2016 NSCH. The "What's new and changed in the 2017 National Survey of Children's Health as compared to the 2016 NSCH" is available on the [DRC website](#). 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 2016 and 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 2016-2017 (two years combined) NSCH Data

Combined data set

A combined data set is one where two or more data sets from individual survey rounds (in this case, the 2016 and 2017 NSCH) are combined into one data set. The 2016 and 2017 NSCH data files were appended using a unique household identifier (HHID). Only items that are the same across both data sets are included in the DRC-produced combined data set. 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.

Weighting

Each record in the individual 2016 and 2017 NSCH public release data sets is assigned a single sampling weight (variable name FWC, which is not included in the combined data set for data analysis accuracy purposes). In the combined 2016-2017 data set, each individual survey weight has been divided by two (FWC/2). The combined data set provided by CAHMI's DRC includes the adjusted weight variable "fwc_1617".

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 [2016](#) and [2017](#) National Survey of Children's Health Methodology Reports and Source and Accuracy Statements ([2016](#) and [2017](#)), and [Guide to Analysis of Multi-Year NSCH Data](#) 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 following:

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

Cluster: HHID (unique household identifier)

Weight: fwc_1617

Additional information about stratum identifiers for specific statistical software (Stata and SPSS-callable SUDAAN) is available in the NSCH [Methodology Reports](#) and [Guide to Analysis of Multi-Year NSCH Data](#) provided 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.**

State data availability

Due to the increased sample size of the combined 2016-2017 NSCH data set (compared with the single year data alone), state-level data is available for many indicators/items and Title V Services Block Grant National Performance and Outcome Measures. 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. 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

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, MT, NE, NH, NM, ND, OR, SD, UT, VT, WV, WI, WY in 2016 in addition MA, MN, OK, WA in 2017.
- **Asian:** AL, AR, ID, IN, LA, ME, MS, MO, MT, NE, NM, ND, OK, SC, SD, TN, UT, VT, WV, WY in 2016; in addition AZ, CO, DC, IA, KS, KY, MN, NH, NC, OH, OR, PA, RI, WI in 2017.
- **Hispanic Origin:** AL, ME, MS, VT, WV in 2016; in addition NH, ND, SD in 2017.

Substate data availability

The 2016 and 2017 National Surveys of Children’s Health report 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 [2016](#) and [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 (5.8% unweighted) of children age 10–17, nationwide (2016–2017 NSCH). The impact of missing values on population count estimates is available on the [DRC website](#).

The SPSS data files for the 2016–2017 combined 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">• The item is not applicable to the respondent, as determined by a previous answer to a root question.• 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.)
99 or 999	Missing in error	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% (2017) to 18.56% (2016) missing values which may result in biased estimates. Therefore, the missing values were imputed in each individual survey year by Census. The impact of missing values on population count estimates is available on the [DRC website](#).

The 2016 NSCH topical public data file provided by the US Census Bureau has the derived poverty level variable that included values based on the first of six imputations (FPL_I). A separate data file and documentation contains all six imputations for the poverty level variable and is available on the United States [Census Bureau website](#). The 2017 NSCH topical public use file contains all six imputed FPL (FPL_I1-FPL_I6) variables. **All six imputed poverty level variables are available in the DRC combined data set for users who wish to estimate multiple imputed poverty level.**

The 2016 and 2017 data files also offer several other imputed variables, such as child's sex (SC_SEX), race (SC_RACE_R, SC_RACEASIA, SC_RACEAIAN), Hispanic origin (SC_HISPANIC), household size (HHSIZE_I) and Adult 1'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.**

The implicate data file for the 2016 NSCH with six imputed values for poverty level ratio is available on the Census Bureau's website, at <https://census.gov/programs-surveys/nsch/data/nsch2016.html>. Additional information about the multiple imputation can be found on the [Census Bureau's NSCH webpage](#).

Verification of variables constructed using Codebook syntax

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

The list of variables for the 2016-2017 combined data set is available in the compressed folder you have downloaded along with this codebook.

2016-2017 Combined National Survey of Children's Health

Child and Family Health Measures



Physical, Oral Health and Functional Status

Indicator 1.1	Health status (ChHlthSt_1617)
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
Notes for Data-Users	
This measure combines five response categories (excellent, very good, good, fair, and poor) into three response categories. Estimates may vary compared to similar indicators from other surveys provided elsewhere on the CAHMI website because of differences in survey wording and survey administration.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
RECODE K2Q01 (1 thru 2=1) (3=2) (4 thru 5=3) (99=99) into ChHlthSt_1617. VARIABLE LABELS ChHlthSt_1617 "Indicator 1.1: Children's overall health status". VALUE LABELS ChHlthSt_1617 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES ChHlthSt_1617(99). FORMATS ChHlthSt_1617(f2.0). EXECUTE.	

Indicator 1.2	Condition of teeth, age 1-17 years (TeethCond_1617)
Description	How would you describe the condition of this child's teeth?
Survey Items Used	Survey instrument item number for children 0-5 years: A2; for children 6-11 years: A2; for children 12-17 years: A2 Variable in public use data file: K2Q01_D
Denominator	Children age 1-17 years
Numerator/Response Categories	Children who have excellent or very good teeth; Children who have good teeth; Children who have fair or poor teeth
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> RECODE K2Q01_D (1 thru 2=1) (3=2) (4 thru 5=3) (6=95) (99=99) into TeethCond_1617. IF SC_AGE_YEARS < 1 TeethCond_1617 = 95. VARIABLE LABELS TeethCond_1617 "Indicator 1.2: Overall condition of children's teeth, age 1-17 years". VALUE LABELS TeethCond_1617 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_1617(95,99). FORMATS TeethCond_1617(f4.0). EXECUTE. </pre>	

Indicator 1.2a	Oral health problems, age 1-17 years (OralProb_1617)
Description	During the past 12 months, has this child had oral health problems such as toothaches, bleeding gums or decayed teeth or cavities?
Survey Items Used	Survey instrument item number for children 0-5 years: 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
Denominator	Children age 1-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. In 2011/12, a single question asked if a child had a toothache, decayed teeth, or cavities. In 2016, two separate questions asked whether the child had a "toothache" or "decayed teeth or cavities" in the past 12 months. Additionally, a third question asked whether the child had bleeding gums in the past 12 months. The 2016 and 2017 items capture frequent or chronic difficulty rather than any experience in the past year. There were changes to the wording of this question in 2016. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre>COUNT ctOralProb_1617 = TOOTHACHES GUMBLEED CAVITIES(1). IF TOOTHACHES = 99 and GUMBLEED =99 and CAVITIES = 99 ctOralProb_1617 = 99. IF SC_AGE_YEARS < 1 ctOralProb_1617 = 95. VARIABLE LABELS ctOralProb_1617 "Number of oral health problems, age 1-17 years". VALUE LABELS ctOralProb_1617 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_1617 = 999. IF ctOralProb_1617 = 0 OralProb_1617 = 2. IF ctOralProb_1617 > 0 OralProb_1617 = 1. IF ctOralProb_1617 = 99 OralProb_1617 = 99. IF SC_AGE_YEARS < 1 OralProb_1617 = 95. VARIABLE LABELS OralProb_1617 "Indicator 1.2a: Oral health problems: toothache, bleeding gums, and/or decayed teeth or cavities, age 1-17 years". VALUE LABELS OralProb_1617</pre>	

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_1617(95,99).
FORMATS OralProb_1617(f2.0).
EXECUTE.

COMPUTE toothache_1617 = TOOTHACHES.
IF SC_AGE_YEARS < 1 toothache_1617 = 95.
VARIABLE LABELS toothache_1617 "Children who had toothache during the past 12 months, age 1-17 years".
VALUE LABELS toothache_1617
1 "Yes"
2 "No"
95 "Children age less than 1 year old"
99 "Missing".
MISSING VALUES toothache_1617(95,99).
EXECUTE.

COMPUTE gumbleed_1617 = GUMBLEED.
IF SC_AGE_YEARS < 1 gumbleed_1617 = 95.
VARIABLE LABELS gumbleed_1617 "Children who had bleeding gum during the past 12 months, age 1-17 years".
VALUE LABELS gumbleed_1617
1 "Yes"
2 "No"
95 "Children age less than 1 year old"
99 "Missing".
MISSING VALUES gumbleed_1617(95,99).
EXECUTE.

COMPUTE cavities_1617 = CAVITIES.
IF SC_AGE_YEARS < 1 cavities_1617 = 95.
VARIABLE LABELS cavities_1617 "Children who had decayed teeth or cavities during the past 12 months, age 1-17 years".
VALUE LABELS cavities_1617
1 "Yes"
2 "No"
95 "Children age less than 1 year old"
99 "Missing".
MISSING VALUES cavities_1617(95,99).
EXECUTE.

Indicator 1.3	Breastfed ever, age 0-5 years (BrstEver_1617)
Description	Was this child ever breastfed or fed breast milk?
Survey Items Used	Survey instrument item number for children 0-5 years: B4 Variable name in public use data file: K6Q40
Denominator	Children age 0-5 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE BrstEver_1617 = K6Q40. IF SC_AGE_YEARS > 5 BrstEver_1617 = 90. VARIABLE LABELS BrstEver_1617 "Indicator 1.3: Children who were ever breastfed or fed breast milk, age 0-5 years". VALUE LABELS BrstEver_1617 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES BrstEver_1617(90,99). FORMATS BrstEver_1617(f4.0). EXECUTE. </pre>	

Indicator 1.3a	Exclusively breastfed first 6 months, age 6 months-5 years (ExBrstFd_1617)
Description	Was this child exclusively breastfed for 6 months?
Survey Items Used	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
Denominator	Children age 6 months - 5 years
Numerator/Response Categories	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
Notes for Data-Users	
<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>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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>	
SPSS Syntax and Annotation	
<pre> COMPUTE BrstStop_1617 = 999. IF BREASTFEDEND_MO_S < 6 BrstStop_1617 = 1. IF BREASTFEDEND_MO_S >= 6 OR K6Q41R_STILL = 1 BrstStop_1617 = 2. IF K6Q40 = 2 BrstStop_1617 = 95. IF BREASTFEDEND_MO_S = 99 BrstStop_1617 = 99. IF SC_AGE_YEARS > 5 BrstStop_1617 = 90. VARIABLE LABELS BrstStop_1617 "Age in months of when stopped breastfeeding". VALUE LABELS BrstStop_1617 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_1617 = 999. IF FRSTFORMULA_MO_S < 6 FedForm_1617 = 1. IF FRSTFORMULA_MO_S >= 6 or K6Q42R_NEVER = 1 FedForm_1617 = 2. IF FRSTFORMULA_MO_S=99 FedForm_1617 = 99. IF SC_AGE_YEARS > 5 FedForm_1617 = 90. </pre>	

```
VARIABLE LABELS FedForm_1617 "Age in months when first fed formula".
VALUE LABELS FedForm_1617
1 "Earlier than 6 months"
2 "6 months or after or never fed formula"
99 "Missing"
90 "Children age 6-17 years".
```

```
COMPUTE FedOther_1617=999.
IF FRSTSOLIDS_MO_S < 6 FedOther_1617 = 1.
IF FRSTSOLIDS_MO_S >= 6 or K6Q43R_NEVER = 1 FedOther_1617 = 2.
IF FRSTSOLIDS_MO_S=99 FedOther_1617 = 99.
IF SC_AGE_YEARS > 5 FedOther_1617 = 90.
```

```
VARIABLE LABELS FedOther_1617 "Age in months when first fed other food".
VALUE LABELS FedOther_1617
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_1617 = 4.
IF BrstStop_1617 = 2 and FedForm_1617 = 2 and FedOther_1617 = 2 ExBrstFd_1617 = 2.
IF BrstStop_1617 = 1 or FedForm_1617 = 1 or FedOther_1617 = 1 ExBrstFd_1617 = 3.
IF K6Q40=99 ExBrstFd_1617 = 99.
IF SC_AGE_LT6 = 1 ExBrstFd_1617 = 95.
IF SC_AGE_YEARS > 5 ExBrstFd_1617 = 90.
VARIABLE LABELS ExBrstFd_1617 "Indicator 1.3a: Exclusively breastfed or given breast milk for first 6 months, age 6 months-5 years".
VALUE LABELS ExBrstFd_1617
1 "Never breastfed or given breast milk"
2 "Exclusively breastfed for first 6 months"
3 "Breastfed, NOT exclusively for first 6 months"
4 "Breastfed, exclusivity not known"
99 "Missing"
95 "Children less than 6 months"
90 "Children age 6-17 years".
MISSING VALUES ExBrstFd_1617(90,95,99).
EXECUTE.
```

Indicator 1.4	Weight status (BMI) in 4 categories, age 10-17 years (BMI4_1617)
Description	What is the weight status of this child based on Body Mass Index (BMI)-for-age?
Survey Items Used	Survey instrument item number for children 0-5 years: C5,C4; for children 6-11 years: C5,C4; for children 12-17 years: C6,C5 Variable name in public use file: BMICLASS
Denominator	Children age 10-17 years
Numerator/Response Categories	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)
Notes for Data-Users	
<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 CDC website.</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>	
Revisions	
<p>In 2017, this measure 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.</p> <p>In 2016, there were changes to the wording of this question. For more information about the changes, click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE BMI4_1617 = BMICLASS. IF SC_AGE_YEARS < 10 BMI4_1617 = 90. VARIABLE LABELS BMI4_1617 "Indicator 1.4: Weight status of children based on Body Mass Index for age - 4 categories, 10-17 years". VALUE LABELS BMI4_1617 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)" </pre>	

99 "Missing"
90 "Children age 0-9 years".
MISSING VALUES BMI4_1617(90,99).
EXECUTE.

Indicator 1.4a	Weight status (BMI) in 3 categories, age 10-17 years (BMI3_1617)
Description	Is this child currently overweight or obese, based on Body Mass Index (BMI)-for-age?
Survey Items Used	Survey instrument item number for children 0-5 years: C5,C4; for children 6-11 years: C5,C4; for children 12-17 years: C6,C5 Variable in public use file: BMICLASS
Denominator	Children age 10-17 years
Numerator/Response Categories	Children underweight (less than 5th percentile); Children with healthy weight (5th to 84th percentile); Overweight or obese children (85th or above)
Notes for Data-Users	
<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 CDC website.</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>	
Revisions	
<p>In 2017, this measure 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.</p> <p>In 2016, there were changes to the wording of this question. For more information about the changes, click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE BMI3_1617 = 999. IF BMICLASS = 1 BMI3_1617 = 1. IF BMICLASS = 2 BMI3_1617 = 2. IF BMICLASS = 3 or BMICLASS = 4 BMI3_1617 = 3. IF BMICLASS=99 BMI3_1617 = 99. IF SC_AGE_YEARS < 10 BMI3_1617 = 90. VARIABLE LABELS BMI3_1617 "Indicator 1.4a: Weight status of children based on Body Mass Index for age - 3 categories, 10-17 years". VALUE LABELS BMI3_1617 1 "Underweight (less than 5th percentile)" </pre>	

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2 "Healthy weight (5th to 84th percentile)"
3 "Overweight or obese (85th percentile or above)"
99 "Missing"
90 "Children age 0-9 years".
MISSING VALUES BMI3_1617(90,99).
EXECUTE.

Indicator 1.5	Physical activity, age 6-17 years (PhysAct_1617)
Description	During the past week, on how many days did this child exercise, play a sport, or participate in physical activity for at least 60 minutes?
Survey Items Used	Survey instrument item number: for children 6-11 years: G6; for children 12-17 years: G6 Variable in public use data file: PHYSACTIV
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This question is asked for children between 6 and 17 years of age.	
Revisions	
In 2017, this measure 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. The content of this measure substantially changed in 2016. The 2011/12 NSCH asked if a child regularly completed 20 minutes/day of physical activity. The 2016 NSCH asked if a child regularly completes 60 minutes/day of physical activity, reflecting National Performance Measure #8. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. In the 2016 and 2017 NSCH, response options changed to fixed categories.	
SPSS Syntax and Annotation	
<pre> COMPUTE PhysAct_1617 = PHYSACTIV. IF SC_AGE_YEARS < 6 PhysAct_1617 = 90. VARIABLE LABELS PhysAct_1617 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_1617 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_1617(90,99). FORMATS PhysAct_1617(f2.0). EXECUTE. </pre>	

Indicator 1.6	Concerns about current weight (WgtConcn_1617)
Description	Are you concerned about this child's weight?
Survey Items Used	Survey instrument item number for children 0-5 years: C6; for children 6-11 years: C6; for children 12-17 years: C7 Variable in public use data file: WGTCNC
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE WgtConcn_1617 = WGTCNC. VARIABLE LABELS WgtConcn_1617 "Indicator 1.6: Parental concern about their children's weight". VALUE LABELS WgtConcn_1617 1 "Yes, concerned it is too high" 2 "Yes, concerned it is too low" 3 "No, not concerned" 99 "Missing". MISSING VALUES WgtConcn_1617(99). FORMATS WgtConcn_1617(f2.0). EXECUTE. </pre>	

Indicator 1.7	Low birth weight (LowBWght_1617)
Description	Was this child born with a low birth weight, that is, he or she weighed less than 2500 grams at birth?
Survey Items Used	Survey instrument item number for children 0-5 years: B2; for children 6-11 years: B2; for children 12-17 years: B2 Variable in public use data file: BIRTHWT_L
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who were born with a low birth weight (2500 grams or less); Children who were not born with a low birth weight
Notes for Data-Users	
The public use data file provided by the Census Bureau includes several variables indicating the child's birth weight status: BIRTHWT_OZ_S, BIRTHWT, BIRTHWT_VL and BIRTHWT_L. The detailed birth weight in ounces is available in the standardized variable BIRTHWT_OZ_S. The variable BIRTHWT categorizes children's birth weight into three categories: very low birth weight, low birth weight, and not low birth weight. BIRTHWT_VL and BIRTHWT_L variables are binary variables defining whether the child was born with low or very low birth weight.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE LowBWght_1617 = BIRTHWT_L. VARIABLE LABELS LowBWght_1617 "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_1617 1 "Children born with low birth weight (<2500g)" 2 "Children not born with low birth weight" 99 "Missing". MISSING VALUES LowBWght_1617(999). EXECUTE. </pre>	

Indicator 1.7a	Low or very low birth weight (VeryLBWght_1617)
Description	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?
Survey Items Used	Survey instrument item number for children 0-5 years: B2; for children 6-11 years: B2; for children 12-17 years: B2 Variable in public use data file: BIRTHWT (derived)
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who were born with a very low birth weight (less than 1500 grams); Children who were born with a low birth weight (1500-2500 grams); Children who were not born with a low birth weight
Notes for Data-Users	
The public use data file provided by the Census Bureau includes several variables indicating the child's birth weight status: BIRTHWT_OZ_S, BIRTHWT, BIRTHWT_VL and BIRTHWT_L. The detailed birth weight in ounces is available in the standardized variable BIRTHWT_OZ_S. The variable BIRTHWT categorizes children's birth weight into three categories: very low birth weight, low birth weight, and not low birth weight. BIRTHWT_VL and BIRTHWT_L variables are binary variables defining whether the child was born with low or very low birth weight.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE VeryLBWght_1617 = BIRTHWT. VARIABLE LABELS VeryLBWght_1617 "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_1617 1 "Children born with very low birth weight (<1500g)" 2 "Children born with low birth weight (1500-<2500g)" 3 "Children not born with low birth weight" 99 "Missing". MISSING VALUES VeryLBWght_1617(99). EXECUTE. </pre>	

Indicator 1.8	Premature birth (BornPre_1617)
Description	Was this child born more than 3 weeks before his or her due date?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who were born premature (more than 3 weeks before their due date); Children who were not born premature
Notes for Data-Users	
The measure was derived from a single item.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE BornPre_1617 = K2Q05. VARIABLE LABELS BornPre_1617 "Indicator 1.8: Children who were born premature, that is more than 3 weeks before their due date". VALUE LABELS BornPre_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES BornPre_1617(99). EXECUTE. </pre>	

Indicator 1.9	One or more health conditions (Cond2more27_1617)
Description	Does this child currently have one or more health conditions from a list of 26 (27 for children age 6-17 years) conditions?
Survey Items Used	Survey instrument item number for children 0-5 years: A5, A6-A28, A33; for children 6-11 years: A5d,e, A6-A29, A34; for children 12-17 years: A5e,f, A6-A29, A34 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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who do not have current health conditions; Children with one current health condition; Children with two or more current health conditions
Notes for Data-Users	
<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>	
Revisions	
<p>In 2017, this measure 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.</p> <p>In the 2011/12 NSCH, 18 conditions were asked. In 2016, the following conditions were added: allergies (including food, drug, insect or other); blood disorders; cystic fibrosis; Down syndrome; genetic or inherited</p>	

condition; heart condition; frequent or severe headaches including migraine; substance abuse; and other mental health problems. Additionally, the question about arthritis was previously asked as bone or joint problems in the 2011/12 NSCH.

SPSS Syntax and Annotation

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COMPUTE allergies_1617 = 999.
IF ALLERGIES = 2 allergies_1617 = 1.
IF ALLERGIES = 1 and ALLERGIES_CURR = 2 allergies_1617 = 2.
IF ALLERGIES = 1 and ALLERGIES_CURR = 1 allergies_1617 = 3.
IF ALLERGIES=99 or ALLERGIES_CURR=99 allergies_1617 = 99.
VARIABLE LABELS allergies_1617 "Children who currently have allergies including food, drug, insect, or other".
VALUE LABELS allergies_1617
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE arthritis_1617 = 999.
IF ARTHRITIS = 2 arthritis_1617 = 1.
IF ARTHRITIS = 1 and ARTHRITIS_CURR = 2 arthritis_1617 = 2.
IF ARTHRITIS = 1 and ARTHRITIS_CURR = 1 arthritis_1617 = 3.
IF ARTHRITIS=99 or ARTHRITIS_CURR=99 arthritis_1617 = 99.
VARIABLE LABELS arthritis_1617 "Children who currently have arthritis".
VALUE LABELS arthritis_1617
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE asthma_1617 = 99.
IF K2Q40A = 2 asthma_1617 = 1.
IF K2Q40A = 1 and K2Q40B = 2 asthma_1617 = 2.
IF K2Q40A = 1 and K2Q40B = 1 asthma_1617 = 3.
IF K2Q40A=99 or K2Q40B=99 asthma_1617 = 99.
VARIABLE LABELS asthma_1617 "Children who currently have asthma".
VALUE LABELS asthma_1617
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE blood_1617 = 999.
IF BLOOD = 2 blood_1617 = 1.
IF BLOOD = 1 and BLOOD_CURR = 2 blood_1617 = 2.
IF BLOOD = 1 and BLOOD_CURR = 1 blood_1617 = 3.
IF BLOOD=99 or BLOOD_CURR=99 blood_1617 = 99.
VARIABLE LABELS blood_1617 "Children who currently have blood disorders such as sickle cell disease, thalassemia, or hemophilia".
VALUE LABELS blood_1617
1 "Do not have condition"

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2 "Ever told, but do not currently have condition"
 3 "Currently have condition"
 99 "Missing".

COMPUTE BrainInj_1617 = 999.
 IF K2Q46A = 2 BrainInj_1617 = 1.
 IF K2Q46A = 1 and K2Q46B = 2 BrainInj_1617 = 2.
 IF K2Q46A = 1 and K2Q46B = 1 BrainInj_1617 = 3.
 IF K2Q46A=99 or K2Q46B=99 BrainInj_1617 = 99.
 VARIABLE LABELS BrainInj_1617 "Children who currently have a brain injury or concussion".
 VALUE LABELS BrainInj_1617
 1 "Do not have condition"
 2 "Ever told, but do not currently have condition"
 3 "Currently have condition"
 99 "Missing".

COMPUTE palsy_1617 = 999.
 IF K2Q61A = 2 palsy_1617 = 1.
 IF K2Q61A = 1 and K2Q61B = 2 palsy_1617 = 2.
 IF K2Q61A = 1 and K2Q61B = 1 palsy_1617 = 3.
 IF K2Q61A=99 or K2Q61B=99 palsy_1617 = 99.
 VARIABLE LABELS palsy_1617 "Children who currently have cerebral palsy".
 VALUE LABELS palsy_1617
 1 "Do not have condition"
 2 "Ever told, but do not currently have condition"
 3 "Currently have condition"
 99 "Missing".

COMPUTE CystFib_1617 = 999.
 IF CYSTFIB = 2 CystFib_1617 = 1.
 IF CYSTFIB = 1 and CYSTFIB_CURR = 2 CystFib_1617 = 2.
 IF CYSTFIB = 1 and CYSTFIB_CURR = 1 CystFib_1617 = 3.
 IF CYSTFIB=99 or CYSTFIB_CURR=99 CystFib_1617 = 99.
 VARIABLE LABELS CystFib_1617 "Children who currently have cystic fibrosis".
 VALUE LABELS CystFib_1617
 1 "Do not have condition"
 2 "Ever told, but do not currently have condition"
 3 "Currently have condition"
 99 "Missing".

COMPUTE diabetes_1617 = 999.
 IF K2Q41A = 2 diabetes_1617 = 1.
 IF K2Q41A = 1 and K2Q41B = 2 diabetes_1617 = 2.
 IF K2Q41A = 1 and K2Q41B = 1 diabetes_1617 = 3.
 IF K2Q41A=99 or K2Q41B=99 diabetes_1617 = 99.
 VARIABLE LABELS diabetes_1617 "Children who currently have diabetes".
 VALUE LABELS diabetes_1617
 1 "Do not have condition"
 2 "Ever told, but do not currently have condition"
 3 "Currently have condition"
 99 "Missing".

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COMPUTE DownSynd_1617 = 999.
IF DOWNSYN = 2 DownSynd_1617 = 1.
IF DOWNSYN = 1 and DOWNSYN_CURR = 2 DownSynd_1617 = 2.
IF DOWNSYN = 1 and DOWNSYN_CURR = 1 DownSynd_1617 = 3.
IF DOWNSYN=99 or DOWNSYN_CURR=99 DownSynd_1617 = 99.
VARIABLE LABELS DownSynd_1617 "Children who currently have Down Syndrome".
VALUE LABELS DownSynd_1617
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE seizure_1617 = 999.
IF K2Q42A = 2 seizure_1617 = 1.
IF K2Q42A = 1 and K2Q42B = 2 seizure_1617 = 2.
IF K2Q42A = 1 and K2Q42B = 1 seizure_1617 = 3.
IF K2Q42A=99 or K2Q42B=99 seizure_1617 = 99.
VARIABLE LABELS seizure_1617 "Children who currently have epilepsy or seizure disorder".
VALUE LABELS seizure_1617
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE genetic_1617 = 999.
IF GENETIC = 2 genetic_1617 = 1.
IF GENETIC = 1 and GENETIC_CURR = 2 genetic_1617 = 2.
IF GENETIC = 1 and GENETIC_CURR = 1 genetic_1617 = 3.
IF GENETIC=99 or GENETIC_CURR=99 genetic_1617 = 99.
VARIABLE LABELS genetic_1617 "Children who currently have a genetic or inherited condition".
VALUE LABELS genetic_1617
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE heart_1617 = 999.
IF HEART = 2 heart_1617 = 1.
IF HEART = 1 and HEART_CURR = 2 heart_1617 = 2.
IF HEART = 1 and HEART_CURR = 1 heart_1617 = 3.
IF HEART=99 or HEART_CURR=99 heart_1617 = 99.
VARIABLE LABELS heart_1617 "Children who currently have a heart condition".
VALUE LABELS heart_1617
1 "Do not have condition"
2 "Ever told, but do not currently have condition"
3 "Currently have condition"
99 "Missing".

COMPUTE headache_1617 = 999.
IF HEADACHE = 2 headache_1617 = 1.
IF HEADACHE = 1 and HEADACHE_CURR = 2 headache_1617 = 2.
IF HEADACHE = 1 and HEADACHE_CURR = 1 headache_1617 = 3.

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IF HEADACHE=99 or HEADACHE_CURR=99 headache_1617 = 99.
IF SC AGE YEARS < 3 headache_1617 = 95.
VARIABLE LABELS headache_1617 "Children who currently have frequent severe headache, including migraine, age 3-17 years".
VALUE LABELS headache_1617
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_1617 = 999.
IF K2Q38A = 2 tourette_1617 = 1.
IF K2Q38A = 1 and K2Q38B = 2 tourette_1617 = 2.
IF K2Q38A = 1 and K2Q38B = 1 tourette_1617 = 3.
IF K2Q38A=99 or K2Q38B=99 tourette_1617 = 99.
IF SC AGE YEARS < 3 tourette_1617 = 95.
VARIABLE LABELS tourette_1617 "Children who currently have Tourette Syndrome, age 3-17 years".
VALUE LABELS tourette_1617
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_1617 = 999.
IF K2Q33A = 2 anxiety_1617 = 1.
IF K2Q33A = 1 and K2Q33B = 2 anxiety_1617 = 2.
IF K2Q33A = 1 and K2Q33B = 1 anxiety_1617 = 3.
IF K2Q33A=99 or K2Q33B=99 anxiety_1617 = 99.
IF SC AGE YEARS < 3 anxiety_1617 = 95.
VARIABLE LABELS anxiety_1617 "Children who currently have anxiety problems, age 3-17 years".
VALUE LABELS anxiety_1617
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_1617 = 999.
IF K2Q32A = 2 depress_1617 = 1.
IF K2Q32A = 1 and K2Q32B = 2 depress_1617 = 2.
IF K2Q32A = 1 and K2Q32B = 1 depress_1617 = 3.
IF K2Q32A=99 or K2Q32B=99 depress_1617 = 99.
IF SC AGE YEARS < 3 depress_1617 = 95.
VARIABLE LABELS depress_1617 "Children who currently have depression, age 3-17 years".
VALUE LABELS depress_1617
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".

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COMPUTE behavior_1617 = 999.
IF K2Q34A = 2 behavior_1617 = 1.
IF K2Q34A = 1 and K2Q34B = 2 behavior_1617 = 2.
IF K2Q34A = 1 and K2Q34B = 1 behavior_1617 = 3.
IF K2Q34A=99 or K2Q34B=99 behavior_1617 = 99.
IF SC_AGE_YEARS < 3 behavior_1617 = 95.
VARIABLE LABELS behavior_1617 "Children who currently have behavioral or conduct problems, age 3-17 years".
VALUE LABELS behavior_1617
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_1617 = 999.
IF SUBABUSE = 2 SubAbuse_1617 = 1.
IF SUBABUSE = 1 and SUBABUSE_CURR = 2 SubAbuse_1617 = 2.
IF SUBABUSE = 1 and SUBABUSE_CURR = 1 SubAbuse_1617 = 3.
IF SUBABUSE=99 or SUBABUSE_CURR=99 SubAbuse_1617 = 99.
IF SC_AGE_YEARS < 6 SubAbuse_1617 = 95.
VARIABLE LABELS SubAbuse_1617 "Children who currently have substance abuse disorder, age 6-17 years".
VALUE LABELS SubAbuse_1617
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_1617 = 999.
IF K2Q36A = 2 DevDelay_1617 = 1.
IF K2Q36A = 1 and K2Q36B = 2 DevDelay_1617 = 2.
IF K2Q36A = 1 and K2Q36B = 1 DevDelay_1617 = 3.
IF K2Q36A=99 or K2Q36B=99 DevDelay_1617 = 99.
IF SC_AGE_YEARS < 3 DevDelay_1617 = 95.
VARIABLE LABELS DevDelay_1617 "Children who currently have any developmental delay, age 3-17 years".
VALUE LABELS DevDelay_1617
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_1617 = 999.
IF K2Q60A = 2 IntDisab_1617 = 1.
IF K2Q60A = 1 and K2Q60B = 2 IntDisab_1617 = 2.
IF K2Q60A = 1 and K2Q60B = 1 IntDisab_1617 = 3.
IF K2Q60A=99 or K2Q60B=99 IntDisab_1617 = 99.
IF SC_AGE_YEARS < 3 IntDisab_1617 = 95.

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```

VARIABLE LABELS IntDisab_1617 "Children who currently have intellectual disability or mental retardation,
age 3-17 years".
VALUE LABELS intdisab_1617
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_1617 = 999.
IF K2Q37A = 2 speech_1617 = 1.
IF K2Q37A = 1 and K2Q37B = 2 speech_1617 = 2.
IF K2Q37A = 1 and K2Q37B = 1 speech_1617 = 3.
IF K2Q37A=99 or K2Q37B=99 speech_1617 = 99.
IF SC AGE YEARS < 3 speech_1617 = 95.

VARIABLE LABELS speech_1617 "Children who currently have any stuttering, stammering, or other speech
problems, age 3-17 years".
VALUE LABELS speech_1617
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_1617 = 999.
IF K2Q30A = 2 learning_1617 = 1.
IF K2Q30A = 1 and K2Q30B = 2 learning_1617 = 2.
IF K2Q30A = 1 and K2Q30B = 1 learning_1617 = 3.
IF K2Q30A=99 or K2Q30B=99 learning_1617 = 99.
IF SC AGE YEARS < 3 learning_1617 = 95.

VARIABLE LABELS learning_1617 "Children who currently have a learning disability, age 3-17 years".
VALUE LABELS learning_1617
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_1617 = 999.
IF ANYOTHER = 2 OthrMent_1617 = 1.
IF ANYOTHER = 1 and ANYOTHER_CURR = 2 OthrMent_1617 = 2.
IF ANYOTHER = 1 and ANYOTHER_CURR = 1 OthrMent_1617 = 3.
IF ANYOTHER=99 or ANYOTHER_CURR=99 OthrMent_1617 = 99.
IF SC AGE YEARS < 3 OthrMent_1617 = 95.

VARIABLE LABELS OthrMent_1617 "Children who currently have any other mental health condition, age 3-
17 years".
VALUE LABELS OthrMent_1617
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_1617 = 999.

*IF (SYSMIS(K2Q35A)) or (SYSMIS(K2Q35B)) autism_1617 = 99.

IF K2Q35A = 2 autism_1617 = 1.

IF K2Q35A = 1 and K2Q35B = 2 autism_1617 = 2.

IF K2Q35A = 1 and K2Q35B = 1 autism_1617 = 3.

IF K2Q35A=99 or K2Q35B=99 autism_1617 = 99.

IF SC_AGE_YEARS < 3 autism_1617 = 95.

VARIABLE LABELS autism_1617 "Children who currently have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder, age 3-17 years".

VALUE LABELS autism_1617

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_1617 = 999.

IF K2Q31A = 2 ADHD_1617 = 1.

IF K2Q31A = 1 and K2Q31B = 2 ADHD_1617 = 2.

IF K2Q31A = 1 and K2Q31B = 1 ADHD_1617 = 3.

IF K2Q31A=99 or K2Q31B=99 ADHD_1617 = 99.

IF SC_AGE_YEARS < 3 ADHD_1617 = 95.

VARIABLE LABELS ADHD_1617 "Children who currently have ADD or ADHD, age 3-17 years".

VALUE LABELS ADHD_1617

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 hearing_1617 = K2Q43B.

VARIABLE LABELS hearing_1617 "Children who have deafness or problems with hearing".

VALUE LABELS hearing_1617

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES hearing_1617(99).

COMPUTE vision_1617 = BLINDNESS.

VARIABLE LABELS vision_1617 "Children who have blindness or problems with seeing, even when wearing glasses".

VALUE LABELS vision_1617

1 "Yes"

2 "No"

99 "Missing".

MISSING VALUES vision_1617(99).

ISSING VALUES allergies_1617 arthritis_1617 asthma_1617 blood_1617 BrainInj_1617 palsy_1617

CystFib_1617 diabetes_1617 DownSynd_1617 seizure_1617

genetic_1617 heart_1617 headache_1617 tourette_1617 anxiety_1617 depress_1617 behavior_1617

DevDelay_1617 intdisab_1617 speech_1617

```

learning_1617 OthrMent_1617 autism_1617 ADHD_1617 subabuse_1617 hearing_1617 vision_1617().

COUNT CondCnt27_1617 = allergies_1617 arthritis_1617 asthma_1617 blood_1617 BrainInj_1617
palsy_1617 CystFib_1617 diabetes_1617 DownSynd_1617 seizure_1617
genetic_1617 heart_1617 headache_1617 tourette_1617 anxiety_1617 depress_1617 behavior_1617
DevDelay_1617 intdisab_1617 speech_1617 learning_1617 OthrMent_1617 autism_1617 ADHD_1617
subabuse_1617(3).

IF hearing_1617 = 1 CondCnt27_1617 = CondCnt27_1617 + 1.
IF vision_1617 = 1 CondCnt27_1617 = CondCnt27_1617 + 1.
IF allergies_1617=99 and arthritis_1617=99 and asthma_1617=99 and blood_1617=99 and
BrainInj_1617=99 and palsy_1617=99 and CystFib_1617=99 and diabetes_1617=99 and
DownSynd_1617=99 and seizure_1617=99 and genetic_1617=99 and heart_1617=99 and
headache_1617=99 and tourette_1617>=95 and anxiety_1617>=95 and depress_1617>=95 and
behavior_1617>=95 and DevDelay_1617>=95 and intdisab_1617>=95 and speech_1617>=95 and
learning_1617>=95 and OthrMent_1617=99 and autism_1617>=95 and ADHD_1617>=95 and
hearing_1617=99 and vision_1617=99 and subabuse_1617=99 CondCnt27_1617=99.

VARIABLE LABELS CondCnt27_1617 "Number of CURRENT health conditions reported from a list of 27".

COMPUTE Cond2more27_1617 = 999.
IF CondCnt27_1617 = 0 Cond2more27_1617 = 1.
IF CondCnt27_1617 = 1 Cond2more27_1617 = 2.
IF CondCnt27_1617 >= 2 Cond2more27_1617 = 3.
IF CondCnt27_1617=99 Cond2more27_1617 = 99.

VARIABLE LABELS Cond2more27_1617 "Indicator 1.9: Children with one or more current health conditions
out of 27 conditions".
VALUE LABELS Cond2more27_1617
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_1617(99).
EXECUTE.

```

	Severity of current health conditions
Description	How severe are this child's conditions, if the child currently has conditions, from a list of 24 conditions?
Survey Items Used	Survey instrument item number for children 0-5 years: A5, A6-A28, A33; for children 6-11 years: A5d,e, A6-A29, A34; for children 12-17 years: A5e,f, A6-A29, A34 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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who do not currently have condition; Children who currently have condition rated as mild; Children who currently have condition rated as moderate/severe
Notes for Data-Users	
All information about children's health conditions from the 2017 NSCH is based on parent recollection and is not independently verified.	
Revisions	
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.	
SPSS Syntax and Annotation	
<pre> COMPUTE AllerSev_1617 =999. IF ALLERGIES_DESC = 1 AllerSev_1617 = 2. IF ALLERGIES_DESC=2 or ALLERGIES_DESC=3 AllerSev_1617 = 3. IF allergies_1617 = 1 or allergies_1617 = 2 AllerSev_1617 = 1. IF ALLERGIES = 99 or ALLERGIES_CURR = 99 or ALLERGIES_DESC = 99 AllerSev_1617 = 99. VARIABLE LABELS AllerSev_1617 "Parent-rated severity of current allergies including food, drug, insect, or other". VALUE LABELS AllerSev_1617 1 "Does not currently have condition" 2 "Current condition, rated mild" 3 "Current condition, rated moderate/severe" 99 "Missing". MISSING VALUES AllerSev_1617(99). </pre>	

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COMPUTE ArthrSev_1617 = 999.
IF ARTHRITIS_DESC = 1 ArthrSev_1617 = 2.
IF ARTHRITIS_DESC = 4 ArthrSev_1617 = 3.
IF arthritis_1617 = 1 or arthritis_1617 = 2 ArthrSev_1617 = 1.
IF ARTHRITIS = 99 or ARTHRITIS_CURR = 99 or ARTHRITIS_DESC = 99 ArthrSev_1617 = 99.
VARIABLE LABELS ArthrSev_1617 "Parent-rated severity of current arthritis".
VALUE LABELS ArthrSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES ArthrSev_1617(99).

COMPUTE AsthmSev_1617 = 999.
IF K2Q40C = 1 AsthmSev_1617 = 2.
IF K2Q40C =2 or K2Q40C=3 AsthmSev_1617 = 3.
IF asthma_1617 = 1 or asthma_1617 = 2 AsthmSev_1617 = 1.
IF K2Q40A =99 or K2Q40B = 99 or K2Q40C = 99 AsthmSev_1617 = 99.
VARIABLE LABELS AsthmSev_1617 "Parent-rated severity of current asthma".
VALUE LABELS AsthmSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES AsthmSev_1617(99).

COMPUTE BloodSev_1617 = 999.
IF BLOOD_DESC = 1 BloodSev_1617 = 2.
IF BLOOD_DESC =2 or BLOOD_DESC=3 BloodSev_1617 = 3.
IF blood_1617 = 1 or blood_1617 = 2 BloodSev_1617 = 1.
IF BLOOD =99 or BLOOD_CURR = 99 or BLOOD_DESC = 99 BloodSev_1617 = 99.
VARIABLE LABELS BloodSev_1617 "Parent-rated severity of current blood disorders (such as sickle cell disease, thalassemia, or hemophilia)".
VALUE LABELS BloodSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES BloodSev_1617(99).

COMPUTE BrainSev_1617 = 999.
IF K2Q46C = 1 BrainSev_1617 = 2.
IF K2Q46C =2 or K2Q46C=3 BrainSev_1617 = 3.
IF BrainInj_1617 = 1 or BrainInj_1617 = 2 BrainSev_1617 = 1.
IF K2Q46A = 99 or K2Q46B = 99 or K2Q46C = 99 BrainSev_1617 = 99.
VARIABLE LABELS BrainSev_1617 "Parent-rated severity of current brain injury, concussion, or head injury".
VALUE LABELS BrainSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES BrainSev_1617(99).

COMPUTE PalsySev_1617 = 999.
IF CERPALS_DESC = 1 PalsySev_1617 = 2.
IF CERPALS_DESC = 2 or CERPALS_DESC=3 PalsySev_1617 = 3.

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IF palsy_1617 = 1 or palsy_1617 = 2 PalsySev_1617 = 1.
IF K2Q61A = 99 or K2Q61B = 99 or CERPALS_DESC = 99 PalsySev_1617 = 99.
VARIABLE LABELS PalsySev_1617 "Parent-rated severity of current cerebral palsy".
VALUE LABELS PalsySev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES PalsySev_1617(99).

COMPUTE DiabetSev_1617 = 999.
IF K2Q41C = 1 DiabetSev_1617 = 2.
IF K2Q41C=2 or K2Q41C=3 DiabetSev_1617 = 3.
IF diabetes_1617 = 1 or diabetes_1617 = 2 DiabetSev_1617 = 1.
IF K2Q41A =99 or K2Q41B = 99 or K2Q41C = 99 DiabetSev_1617 = 99.
VARIABLE LABELS DiabetSev_1617 "Parent-rated severity of current diabetes".
VALUE LABELS DiabetSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES DiabetSev_1617(99).

COMPUTE DownSSev_1617 = 999.
IF DOWNSYN_DESC = 1 DownSSev_1617 = 2.
IF DOWNSYN_DESC = 4 DownSSev_1617 = 3.
IF DownSynd_1617= 1 or DownSynd_1617 = 2 DownSSev_1617 = 1.
IF DOWNSYN =99 or DOWNSYN_CURR = 99 or DOWNSYN_DESC = 99 DownSSev_1617 = 99.
VARIABLE LABELS DownSSev_1617 "Parent-rated severity of current Down Syndrome".
VALUE LABELS DownSSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES DownSSev_1617(99).

COMPUTE SeizSev_1617 = 999.
IF K2Q42C = 1 SeizSev_1617 = 2.
IF K2Q42C =2 or K2Q42C=3 SeizSev_1617 = 3.
IF seizure_1617= 1 or seizure_1617 = 2 SeizSev_1617 = 1.
IF K2Q42A = 99 or K2Q42B = 99 or K2Q42C = 99 SeizSev_1617 = 99.
VARIABLE LABELS SeizSev_1617 "Parent-rated severity of current epilepsy or seizure disorder".
VALUE LABELS SeizSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES SeizSev_1617(99).

COMPUTE GenetSev_1617 = 999.
IF GENETIC_DESC = 1 GenetSev_1617 = 2.
IF GENETIC_DESC =2 or GENETIC_DESC=3 GenetSev_1617 = 3.
IF genetic_1617= 1 or genetic_1617 = 2 GenetSev_1617 = 1.
IF GENETIC = 99 or GENETIC_CURR = 99 or GENETIC_DESC = 99 GenetSev_1617 = 99.
VARIABLE LABELS GenetSev_1617 "Parent-rated severity of current genetic or inherited condition".
VALUE LABELS GenetSev_1617
1 "Does not currently have condition"

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2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES GenetSev_1617(99).

COMPUTE HeartSev_1617 = 999.
IF HEART_DESC = 1 HeartSev_1617 = 2.
IF HEART_DESC = 2 or HEART_DESC =3 HeartSev_1617 = 3.
IF heart_1617= 1 or heart_1617 = 2 HeartSev_1617 = 1.
IF HEART = 99 or HEART_CURR = 99 or HEART_DESC = 99 HeartSev_1617 = 99.
VARIABLE LABELS HeartSev_1617 "Parent-rated severity of current heart condition".
VALUE LABELS HeartSev_1617
1 "Does not currently have condition"
2 "Current condition, rated mild"
3 "Current condition, rated moderate/severe"
99 "Missing".
MISSING VALUES HeartSev_1617(99).

COMPUTE HeadSev_1617 = 999.
IF HEADACHE_DESC = 1 HeadSev_1617 = 2.
IF HEADACHE_DESC = 2 or HEADACHE_DESC =3 HeadSev_1617 = 3.
IF headache_1617= 1 or headache_1617 = 2 HeadSev_1617 = 1.
IF HEADACHE = 99 or HEADACHE_CURR = 99 or HEADACHE_DESC = 99 HeadSev_1617 = 99.
IF SC_AGE_YEARS < 3 HeadSev_1617 = 95.
VARIABLE LABELS HeadSev_1617 "Parent-rated severity of current frequent or severe headaches
including migraine, age 3-17 years".
VALUE LABELS HeadSev_1617
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_1617(95,99).

COMPUTE TouretSev_1617 = 999.
IF K2Q38C = 1 TouretSev_1617 = 2.
IF K2Q38C = 4 TouretSev_1617 = 3.
IF tourette_1617= 1 or tourette_1617 = 2 TouretSev_1617 = 1.
IF K2Q38A = 99 or K2Q38B = 99 or K2Q38C = 99 TouretSev_1617 = 99.
IF SC_AGE_YEARS < 3 TouretSev_1617 = 95.
VARIABLE LABELS TouretSev_1617 "Parent-rated severity of current Tourette Syndrome, age 3-17 years".
VALUE LABELS TouretSev_1617
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_1617(95,99).

COMPUTE AnxietSev_1617 = 999.
IF K2Q33C = 1 AnxietSev_1617 = 2.
IF K2Q33C = 2 or K2Q33C=3 AnxietSev_1617 = 3.
IF anxiety_1617= 1 or anxiety_1617 = 2 AnxietSev_1617 = 1.
IF K2Q33A = 99 or K2Q33B = 99 or K2Q33C = 99 AnxietSev_1617 = 99.
IF SC_AGE_YEARS < 3 AnxietSev_1617 = 95.
VARIABLE LABELS AnxietSev_1617 "Parent-rated severity of current anxiety, age 3-17 years".
VALUE LABELS AnxietSev_1617

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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_1617(95,99).

COMPUTE DepresSev_1617 = 999.
 IF K2Q32C = 1 DepresSev_1617 = 2.
 IF K2Q32C = 2 or K2Q32C =3 DepresSev_1617 = 3.
 IF depress_1617= 1 or depress_1617 = 2 DepresSev_1617 = 1.
 IF K2Q32A =99 or K2Q32B = 99 or K2Q32C = 99 DepresSev_1617 = 99.
 IF SC_AGE_YEARS < 3 DepresSev_1617 = 95.
 VARIABLE LABELS DepresSev_1617 "Parent-rated severity of current depression, age 3-17 years".
 VALUE LABELS DepresSev_1617
 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_1617(95,99).

COMPUTE BehavSev_1617 = 999.
 IF K2Q34C = 1 BehavSev_1617 = 2.
 IF K2Q34C = 2 or K2Q34C =3 BehavSev_1617 = 3.
 IF behavior_1617= 1 or behavior_1617 = 2 BehavSev_1617 = 1.
 IF K2Q34A = 99 or K2Q34B = 99 or K2Q34C = 99 BehavSev_1617 = 99.
 IF SC_AGE_YEARS < 3 BehavSev_1617 = 95.
 VARIABLE LABELS BehavSev_1617 "Parent-rated severity of current behavioral or conduct problems, age 3-17 years".
 VALUE LABELS BehavSev_1617
 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_1617(95,99).

COMPUTE SubAbSev_1617 = 999.
 IF SUBABUSE_DESC = 1 SubAbSev_1617 = 2.
 IF SUBABUSE_DESC = 2 or SUBABUSE_DESC = 3 SubAbSev_1617 = 3.
 IF subabuse_1617= 1 or subabuse_1617 = 2 SubAbSev_1617 = 1.
 IF SUBABUSE = 99 or SUBABUSE_CURR = 99 or SUBABUSE_DESC = 99 SubAbSev_1617 = 99.
 IF SC_AGE_YEARS < 6 SubAbSev_1617 = 95.
 VARIABLE LABELS SubAbSev_1617 "Parent-rated severity of current substance abuse disorder, age 6-17 years".
 VALUE LABELS SubAbSev_1617
 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_1617(95,99).

COMPUTE DevDelSev_1617 = 999.
 IF K2Q36C = 1 DevDelSev_1617 = 2.
 IF K2Q36C = 2 or K2Q36C = 3 DevDelSev_1617 = 3.

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IF devdelay_1617= 1 or devdelay_1617 = 2 DevDelSev_1617 = 1.
IF K2Q36A = 99 or K2Q36B = 99 or K2Q36C = 99 DevDelSev_1617 = 99.
IF SC_AGE_YEARS < 3 DevDelSev_1617 = 95.
VARIABLE LABELS DevDelSev_1617 "Parent-rated severity of child's developmental delay, age 3-17 years".
VALUE LABELS DevDelSev_1617
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_1617(95,99).

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```

COMPUTE IntDisSev_1617 = 999.
IF K2Q60C = 1 IntDisSev_1617 = 2.
IF K2Q60C = 2 or K2Q60C=3 IntDisSev_1617 = 3.
IF intdisab_1617= 1 or intdisab_1617 = 2 IntDisSev_1617 = 1.
IF K2Q60A = 99 or K2Q60B = 99 or K2Q60C = 99 IntDisSev_1617 = 99.
IF SC_AGE_YEARS < 3 IntDisSev_1617 = 95.
VARIABLE LABELS IntDisSev_1617 "Parent-rated severity of current intellectual disability or mental retardation, age 3-17 year".
VALUE LABELS IntDisSev_1617
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_1617(95,99).

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```

COMPUTE SpeechSev_1617 = 999.
IF K2Q37C = 1 SpeechSev_1617 = 2.
IF K2Q37C = 2 or K2Q37C = 3 SpeechSev_1617 = 3.
IF speech_1617= 1 or speech_1617 = 2 SpeechSev_1617 = 1.
IF K2Q37A = 99 or K2Q37B = 99 or K2Q37C =99 SpeechSev_1617 = 99.
IF SC_AGE_YEARS < 3 SpeechSev_1617 = 95.
VARIABLE LABELS SpeechSev_1617 "Parent-rated severity of current speech or other language disorder, age 3-17 years".
VALUE LABELS SpeechSev_1617
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_1617(95,99).

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COMPUTE LearnSev_1617 = 999.
IF K2Q30C = 1 LearnSev_1617 = 2.
IF K2Q30C = 2 or K2Q30C= 3 LearnSev_1617 = 3.
IF learning_1617= 1 or learning_1617 = 2 LearnSev_1617 = 1.
IF K2Q30A = 99 or K2Q30B = 99 or K2Q30C = 99 LearnSev_1617 = 99.
IF SC_AGE_YEARS < 3 LearnSev_1617 = 95.
VARIABLE LABELS LearnSev_1617 "Parent-rated severity of current learning disability, age 3-17 years".
VALUE LABELS LearnSev_1617
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_1617(95,99).

COMPUTE OthMHSev_1617 = 999.

IF ANYOTHER_DESC = 1 OthMHSev_1617 = 2.

IF ANYOTHER_DESC = 2 or ANYOTHER_DESC =3 OthMHSev_1617 = 3.

IF OthrMent_1617= 1 or OthrMent_1617 = 2 OthMHSev_1617 = 1.

IF ANYOTHER = 99 or ANYOTHER_CURR = 99 or ANYOTHER_DESC = 99 OthMHSev_1617 = 99.

IF SC_AGE_YEARS < 3 OthMHSev_1617 = 95.

VARIABLE LABELS OthMHSev_1617 "Parent-rated severity of current other mental health condition, age 3-17 years".

VALUE LABELS OthMHSev_1617

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_1617(95,99).

COMPUTE AutismSev_1617 = 999.

IF K2Q35C = 1 AutismSev_1617 = 2.

IF K2Q35C = 2 or K2Q35C=3 AutismSev_1617 = 3.

IF autism_1617= 1 or autism_1617 = 2 AutismSev_1617 = 1.

IF K2Q35A = 99 or K2Q35B = 99 or K2Q35C = 99 AutismSev_1617 = 99.

IF SC_AGE_YEARS < 3 AutismSev_1617 = 95.

VARIABLE LABELS AutismSev_1617 "Parent-rated severity of current autism, age 3-17 years".

VALUE LABELS AutismSev_1617

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_1617(95,99).

COMPUTE ADHDSev_1617 = 999.

IF K2Q31C = 1 ADHDSev_1617 = 2.

IF K2Q31C = 2 or K2Q31C= 3 ADHDSev_1617 = 3.

IF ADHD_1617= 1 or ADHD_1617 = 2 ADHDSev_1617 = 1.

IF K2Q31A = 99 or K2Q31B = 99 or K2Q31C = 99 ADHDSev_1617 = 99.

IF SC_AGE_YEARS < 3 ADHDSev_1617 = 95.

VARIABLE LABELS ADHDSev_1617 "Parent-rated severity of current ADD/ADHD, age 3-17 years".

VALUE LABELS ADHDSev_1617

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_1617(95,99).

Indicator 1.10	One or more functional difficulties (Diff2more_1617)
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
Notes for Data-Users	
This measure was scored as the count of difficulties children experience from a list of 12 functional difficulties. The difficulties are asked about in 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.	
Revisions	
In 2017, this measure 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. Prior to the 2016 NSCH, functional difficulty items were asked in the 2009/10 National Survey of Children with Special Health Care Needs. However, several new items were included in 2016 NSCH, including serious difficulty concentrating, remembering, or making decisions and difficulty doing errands alone (such as visiting a doctor's office or shopping). The wording of the questions which ask about difficulty with walking or climbing stairs and difficulty with dressing or bathing were substantively changed in 2016. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE DiffBreath_1617 = BREATHING. VARIABLE LABELS DiffBreath_1617 "Children who have experienced breathing or other respiratory problems (such as wheezing or shortness of breath) in the past 12 months". VALUE LABELS DiffBreath_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES DiffBreath_1617(99). FORMATS DiffBreath_1617(f4.0). EXECUTE. COMPUTE DiffSwall_1617 = SWALLOWING. </pre>	

```
VARIABLE LABELS DiffSwall_1617 "Children who have had difficulty with eating or swallowing in the past 12 months".  
VALUE LABELS DiffSwall_1617  
1 "Yes"  
2 "No"  
99 "Missing".  
MISSING VALUES DiffSwall_1617(99).  
FORMATS DiffSwall_1617(f4.0).  
EXECUTE.  
  
COMPUTE DiffDigest_1617 = STOMACH.  
VARIABLE LABELS DiffDigest_1617 "Children who have had digesting food, including stomach/intestinal problems, constipation, or diarrhea in the past 12 months".  
VALUE LABELS DiffDigest_1617  
1 "Yes"  
2 "No"  
99 "Missing".  
MISSING VALUES DiffDigest_1617(99).  
FORMATS DiffDigest_1617(f4.0).  
EXECUTE.  
  
COMPUTE DiffPain_1617 = PHYSICALPAIN.  
VARIABLE LABELS DiffPain_1617 "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_1617  
1 "Yes"  
2 "No"  
99 "Missing".  
MISSING VALUES DiffPain_1617(99).  
FORMATS DiffPain_1617(f4.0).  
EXECUTE.  
  
COMPUTE DiffHands_1617 = HANDS.  
IF SC_AGE_YEARS > 5 DiffHands_1617 = 90.  
VARIABLE LABELS DiffHands_1617 "Children who have had difficulty using their hands in the past 12 months, age 0-5 years".  
VALUE LABELS DiffHands_1617  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 6-17 years".  
MISSING VALUES DiffPain_1617(99).  
FORMATS DiffPain_1617(f4.0).  
EXECUTE.  
  
COMPUTE DiffCoor_1617 = COORDINATION.  
IF SC_AGE_YEARS > 5 DiffCoor_1617 = 90.  
VARIABLE LABELS DiffCoor_1617 "Children who have had difficulty with coordination or moving around in the past 12 months, age 0-5 years".  
VALUE LABELS DiffCoor_1617  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 6-17 years".  
MISSING VALUES DiffPain_1617(99).  
FORMATS DiffPain_1617(f4.0).  
EXECUTE.
```

```
COMPUTE DiffMem_1617 = MEMORYCOND.  
IF SC_AGE_YEARS < 6 DiffMem_1617 = 90.  
VARIABLE LABELS DiffMem_1617 "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_1617  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-5 years".  
MISSING VALUES DiffMem_1617(99).  
FORMATS DiffMem_1617(f4.0).  
EXECUTE.
```

```
COMPUTE DiffWalk_1617 = WALKSTAIRS.  
IF SC_AGE_YEARS < 6 DiffWalk_1617 = 90.  
VARIABLE LABELS DiffWalk_1617 "Children who have serious difficulty walking or climbing stairs, age 6-  
17 years".  
VALUE LABELS DiffWalk_1617  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-5 years".  
MISSING VALUES DiffPain_1617(99).  
FORMATS DiffPain_1617(f4.0).  
EXECUTE.
```

```
COMPUTE DiffDress_1617 = DRESSING.  
IF SC_AGE_YEARS < 6 DiffDress_1617 = 90.  
VARIABLE LABELS DiffDress_1617 "Children who have difficulty dressing or bathing, age 6-17 years".  
VALUE LABELS DiffDress_1617  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-5 years".  
MISSING VALUES DiffDress_1617(99).  
FORMATS DiffDress_1617(f4.0).  
EXECUTE.
```

```
COMPUTE DiffErrand_1617 = ERRANDALONE.  
IF SC_AGE_YEARS < 12 DiffErrand_1617 = 90.  
VARIABLE LABELS DiffErrand_1617 "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_1617  
1 "Yes"  
2 "No"  
99 "Missing"  
90 "Children age 0-11 years".  
MISSING VALUES DiffErrand_1617(99).  
FORMATS DiffErrand_1617(f4.0).  
EXECUTE.
```

```
COMPUTE hearing_1617 = K2Q43B.  
VARIABLE LABELS hearing_1617 "Children who have deafness or problems with hearing".  
VALUE LABELS hearing_1617  
1 "Yes"  
2 "No"
```

```
99 "Missing".
MISSING VALUES hearing_1617(99).
FORMATS hearing_1617(f4.0).
EXECUTE.

COMPUTE vision_1617 = BLINDNESS.
VARIABLE LABELS vision_1617 "Children who have blindness or problems with seeing, even when
wearing glasses".
VALUE LABELS vision_1617
1 "Yes"
2 "No"
99 "Missing".
MISSING VALUES vision_1617(99).
FORMATS vision_1617(f4.0).
EXECUTE.

COMPUTE Diff2more_1617=999.
IF cntdiff = 0 Diff2more_1617 = 0.
IF cntdiff = 1 Diff2more_1617 = 1.
IF cntdiff >1 Diff2more_1617 = 2.
IF cntdiff =99 Diff2more_1617 = 99.
VARIABLE LABELS Diff2more_1617 "Indicator 1.10: Children who experience two or more functional
difficulties from a list of 12 difficulties".
VALUE LABELS Diff2more_1617
0 "Did not have any difficulties"
1 "One functional difficulty"
2 "Two or more functional difficulties"
99 "Missing to all".
MISSING VALUES Diff2more_1617(99).
FORMATS Diff2more_1617(f4.0).
EXECUTE.
```

Indicator 1.11	Children with special health care needs (CSHCN_1617)
Description	Does this child have special health care needs?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<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 Child and Adolescent Health Measurement Initiative's website.</p>	
Revisions	
<p>In 2017, this measure 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.</p> <p>In the 2016 and 2017 NSCH, the CSHCN Screener questions were asked among all children in the household before the full topical questionnaire was sent to the household. Only one selected child's CSHCN Screener responses are included in the final public use topical file. The public use screener files are available at Census website.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE rxmeds_1617 = 2. IF ((SC_K2Q10 = 1) and (SC_K2Q11 = 1) and (SC_K2Q12 = 1)) rxmeds_1617 = 1. VARIABLE LABELS rxmeds_1617 "Children qualifying on the CSHCN Screener prescription medication criteria". VALUE LABELS rxmeds_1617 1 "Meet screening criteria" 2 "Do not meet screening criteria". MISSING VALUES rxmeds_1617(99). FORMATS rxmeds_1617(f4.0). EXECUTE. </pre>	

```

COMPUTE serve_1617 = 2.
IF ((SC_K2Q13 = 1) and (SC_K2Q14 = 1) and (SC_K2Q15 = 1)) serve_1617 = 1.
VARIABLE LABELS serve_1617 "Children qualifying on the CSHCN Screener for elevated use of services criteria".
VALUE LABELS serve_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
MISSING VALUES serve_1617(99).
FORMATS serve_1617(f4.0).
EXECUTE.

COMPUTE func_1617 = 2.
IF ((SC_K2Q16 = 1) and (SC_K2Q17 = 1) and (SC_K2Q18 = 1)) func_1617 = 1.
VARIABLE LABELS func_1617 "Children qualifying on the CSHCN Screener functional limitations criteria".
VALUE LABELS func_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
EXECUTE.

COMPUTE therapy_1617 = 2.
IF ((SC_K2Q19 = 1) and (SC_K2Q20 = 1) and (SC_K2Q21 = 1)) therapy_1617 = 1.
VARIABLE LABELS therapy_1617 "Children qualifying on the CSHCN Screener specialized therapy criteria".
VALUE LABELS therapy_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
MISSING VALUES therapy_1617(99).
FORMATS therapy_1617(f4.0).
EXECUTE.

COMPUTE mhealth_1617 = 2.
IF ((SC_K2Q22 = 1) and (SC_K2Q23 = 1)) mhealth_1617 = 1.
VARIABLE LABELS mhealth_1617 "Qualified on ongoing emotional, developmental or behavioral conditions".
VALUE LABELS mhealth_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
MISSING VALUES mhealth_1617(99).
FORMATS mhealth_1617(f4.0).
EXECUTE.

COUNT qualnum_1617=rxmeds_1617 serve_1617 func_1617 therapy_1617 mhealth_1617(1).
VARIABLE LABELS qualnum_1617 "Number of qualifying CSHCN Screener answers".
VALUE LABELS qualnum_1617
0 "No qualifying answers"
1 "One qualifying answer"
2 "Two qualifying answers"
3 "Three qualifying answers"
4 "Four qualifying answers"
5 "Five qualifying answers"
99 "Missing to all 5 items".
FORMATS qualnum_1617 (f4.0).
EXECUTE.

COMPUTE CSHCN_1617 = 999.
IF qualnum_1617 = 0 CSHCN_1617 = 2.
IF qualnum_1617 > 0 CSHCN_1617 = 1.
VARIABLE LABELS CSHCN_1617 "Indicator 1.11: Children with special health care needs".

```

VALUE LABELS CSHCN_1617

1 "CSHCN"

2 "Non-CSHCN".

FORMATS CSHCN_1617 (f4.0).

EXECUTE.

RECODE qualnum_1617

(4 thru 5=4) (else=copy) into qualnum4_1617.

VARIABLE LABELS qualnum4_1617 "Number of CSHCN Screener criteria CSHCN met".

VALUE LABELS qualnum4_1617

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_1617(0).

EXECUTE.

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

COMPUTE CSHCNtype_1617 = 0.

IF ((func_1617 = 1)) and ((serve_1617 = 1) or (therapy_1617 = 1) or (rxmeds_1617 = 1) or (mhealth_1617 = 1)) CSHCNtype_1617 = 1.

IF ((func_1617 = 1)) and ((serve_1617 = 2) or (therapy_1617 = 2) or (rxmeds_1617 = 2) or (mhealth_1617 = 2)) CSHCNtype_1617 = 1.

IF (func_1617 = 2) and ((rxmeds_1617 = 1) and ((serve_1617 = 2) or (therapy_1617 = 2) or (mhealth_1617 = 2))) CSHCNtype_1617 = 2.

IF (func_1617 = 2) and ((rxmeds_1617 = 2)) and ((serve_1617 = 1) or (therapy_1617 = 1) or (mhealth_1617 = 1)) CSHCNtype_1617 = 3.

IF (func_1617 = 2) and ((rxmeds_1617 = 1)) and ((serve_1617 = 1) or (therapy_1617 = 1) or (mhealth_1617 = 1)) CSHCNtype_1617 = 4.

VARIABLE LABELS CSHCNtype_1617 "Children with specific types of special health care needs based on CSHCN screening criteria".

VALUE LABELS CSHCNtype_1617

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_1617 (f4.0).

EXECUTE.

***CSHCN status and complexity of health care needs

RECODE CSHCNtype_1617 (0=3) (1=1) (2=2) (3=1) (4=1) into CSHCNComplex_1617.

VARIABLE LABELS CSHCNComplex_1617 "CSHCN status and complexity of health care needs".

VALUE LABELS CSHCNComplex_1617

1 "CSHCN with more complex health needs"

2 "CSHCN with less complex health needs"

3 "Non-CSHCN".

FORMATS CSHCNComplex_1617(f4.0).

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

COMPUTE mhneeds_1617 = 999.

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IF (CSHCN_1617 = 2) mhneeds_1617 = 3.
IF (CSHCN_1617 = 1 and mhealth_1617 = 2) mhneeds_1617 = 2.
IF (CSHCN_1617 = 1 and mhealth_1617 = 1) mhneeds_1617 = 1.
VARIABLE LABELS mhneeds_1617 "CSHCN with and without ongoing emotional, developmental and/or behavioral health special needs ".
VALUE LABELS mhneeds_1617
1 "CSHCN qualifying on mental health criteria"
2 "CSHCN NOT qualifying on mental health criteria"
3 "Non-CSHCN".

Indicator 1.12	Effect of conditions on daily activities (DailyAct_1617)
Description	Does this child have health conditions that consistently and often greatly affect their daily activities during the past 12 months?
Survey Items Used	Survey instrument item number for children 0-5 years: A36, A37; for children 6-11 years: A37, A38; for children 12-17 years: A37, A38 Variables in public use data file: HCABILITY; HCEXTENT
Denominator	Children age 0-17 years who have any condition
Numerator/Response Categories	Do not have conditions; Daily activities never affected; Daily activities moderately affected some of the time; Daily activities consistently affected, often a great deal;
Notes for Data-Users	
This indicator combines the concepts of "how often" and "how much" children's conditions affect their daily activities. For example: a child may have asthma attacks only rarely; however, when such attacks occur they may greatly affect the child's abilities to do daily activities. Children whose conditions "consistently, and often greatly, affect their daily activities" are those with responses of "Usually or Always" on A36 (0-5 years), A37 (6-17 years) AND/OR a response of "A great deal" on A37 (0-5 years), A38 (6-17 years). Valid responses on both items are required.	
Revisions	
In 2017, this measure 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. Prior to the 2016 NSCH, these questions were asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of the questions in the 2016 NSCH. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE DailyAct_1617 = 999. IF HCABILITY = 1 DailyAct_1617 = 0. IF HCABILITY = 2 DailyAct_1617 = 1. IF HCABILITY = 3 or (HCEXTENT = 1 or HCEXTENT = 2) DailyAct_1617 = 2. IF HCABILITY = 4 or HCABILITY=5 DailyAct_1617 = 3. IF HCEXTENT = 3 DailyAct_1617 = 3. IF HCABILITY=99 and HCEXTENT=99 DailyAct_1617 = 99. VARIABLE LABELS DailyAct_1617 "Indicator 1.12: Extent to which children's health conditions affect their daily activities, among children who have any condition". VALUE LABELS DailyAct_1617 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_1617(0,99). EXECUTE. </pre>	

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Indicator 2.1	Bully others, age 6-17 years (bully_1617)
Description	How true is the following statement about this child: child bullies others, picks on them, or excludes them?
Survey Items Used	Survey instrument item number for children 6-11 years: A3g; for children 12-17 years: A3g Variable name in public use data file: K7Q71_R
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<p>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.</p> <p>This question is asked for children between 6 and 17 years of age.</p>	
Revisions	
<p>In 2017, the content of this measure did not change from the 2016 NSCH. The wording of the stem question changed in 2017. For more information about the changes, click here. 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> <p>In 2016, response options changed from "Never, rarely, sometimes, usually, or always true" (2011/12 NSCH) to "Definitely true, somewhat true, or not true."</p>	
SPSS Syntax and Annotation	
<pre> RECODE K7Q71_R (1 thru 2=1) (3=2) (99=99) into bully_1617. IF SC_AGE_YEARS < 6 bully_1617 = 90. VARIABLE LABELS bully_1617 "Indicator 2.1: Children bully others, pick on them or exclude them, age 6-17 years". VALUE LABELS bully_1617 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bully_1617(90,99). EXECUTE. </pre>	

Indicator 2.2	Bullied, age 6-17 years (bullied_1617)
Description	How true is the following statement about this child: child is bullied, picked on, or excluded by other children?
Survey Items Used	Survey instrument item number for children 6-11 years: A3f; for children 12-17 years: A3f Variable name in public use data file: BULLIED
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<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 is asked for children between 6 and 17 years of age.</p>	
Revisions	
<p>In 2017, the content of this measure did not change from the 2016 NSCH. The wording of the stem question changed in 2017. For more information about the changes, click here.</p> <p>This item was new in the 2016 NSCH.</p>	
SPSS Syntax and Annotation	
<pre> RECODE BULLIED (1 thru 2=1) (3=2) (99=99) into bullied_1617. IF SC_AGE_YEARS < 6 bullied_1617 = 90. VARIABLE LABELS bullied_1617 "Indicator 2.2: Children who are bullied, picked on, or excluded by other children, age 6-17 years". VALUE LABELS bullied_1617 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bullied_1617(90,99). EXECUTE. </pre>	

Indicator 2.3	Flourishing for young children, age 6 months-5 years (flrish0to5_1617)
Description	Is this young child flourishing?
Survey Items Used	Survey instrument item number for children 0-5 years: A3a-d Variables in public use data file: K6Q70_R; K6Q71_R; K6Q72_R; K6Q73_R
Denominator	Children age 6 months-5 years
Numerator/Response Categories	Children who met 0-2 flourishing items; Children who met 3 flourishing items; Children who met all 4 flourishing items
Notes for Data-Users	
<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 interest in this concept.</p>	
Revisions	
<p>In 2017, the content of this measure did not change from the 2016 NSCH. The wording of the stem question has changed in 2017. For more information about the changes, click here. 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> <p>Response options "Never, rarely, sometimes, usually, or always true" in the 2011 NSCH were changed to "Definitely true, somewhat true, or not true" in the 2016 NSCH.</p>	
SPSS Syntax and Annotation	
<pre> RECODE K6Q70_R (1=1) (2 thru 3 =2) (99=99) into tender_1617. IF SC_AGE_YEARS > 5 tender_1617 = 90. IF SC_AGE_LT6 = 1 tender_1617 = 95. VARIABLE LABELS tender_1617 "Children are affectionate and tender with parent, age 6 months-5 years". VALUE LABELS tender_1617 1 "Definitely true" 2 "Somewhat true or Not true" 90 "Children age 6-17 years" 95 "Children age <6 months" 99 "Missing". MISSING VALUES tender_1617(90,95,99). EXECUTE. RECODE K6Q73_R (1=1) (2 thru 3 =2) (99=99) into resil0to5_1617. IF SC_AGE_YEARS > 5 resil0to5_1617 = 90. </pre>	

```

IF SC_AGE_LT6 = 1 resil0to5_1617 = 95.
VARIABLE LABELS resil0to5_1617 "Children who bounce back quickly when things don't go his/her way,
age 6 months-5 years".
VALUE LABELS resil0to5_1617
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_1617(90,95,99).
EXECUTE.

```

```

RECODE K6Q71_R
(1=1) (2 thru 3 =2) (99=99) into curious0to5_1617.
IF SC_AGE_YEARS > 5 curious0to5_1617 = 90.
IF SC_AGE_LT6 = 1 curious0to5_1617 = 95.
VARIABLE LABELS curious0to5_1617 "Children who show interest and curiosity in learning new things,
age 6 months-5 years".
VALUE LABELS curious0to5_1617
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_1617(90,99).
EXECUTE.

```

```

RECODE K6Q72_R
(1=1) (2 thru 3 =2) (99=99) into smile_1617.
IF SC_AGE_YEARS > 5 smile_1617 = 90.
IF SC_AGE_LT6 = 1 smile_1617 = 95.
VARIABLE LABELS smile_1617 "Children who smile and laugh a lot, age 6 months-5 years".
VALUE LABELS smile_1617
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_1617(90,99).
EXECUTE.

```

```

COUNT flrsh0to5ct=tender_1617 resil0to5_1617 curious0to5_1617 smile_1617(1).
IF tender_1617=99 and resil0to5_1617=99 and curious0to5_1617=99 and smile_1617=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_1617.
VARIABLE LABELS flrish0to5_1617 "Indicator 2.3: Flourishing for young children, age 6 months-5 years".
VALUE LABELS flrish0to5_1617
1 "Definitely true response to 0-2 items"
2 "Definitely true response to 3 items"

```

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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_1617(90,95,99).
EXECUTE.

Indicator 2.4	Flourishing for children and adolescents, age 6-17 years (flrish6to17_1617)
Description	Is this child or adolescent flourishing?
Survey Items Used	Survey instrument item number: for children 6-11 years: A3a-c; for children 12-17 years: A3a-c Variables in public use data file: K7Q84_R; K6Q71_R; K7Q85_R
Denominator	Children age 6-17 years
Numerator/Response Categories	Children who met 0-1 flourishing items; Children who met 2 flourishing items; Children who met all 3 flourishing items
Notes for Data-Users	
<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>	
Revisions	
<p>In 2017, the content of this measure did not change from the 2016 NSCH. The wording of the stem question changed in 2017. For more information about the changes, click here. 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> <p>Response options "Never, rarely, sometimes, usually, or always true" in the 2011 NSCH were changed to "Definitely true, somewhat true, or not true" in the 2016 NSCH.</p>	
SPSS Syntax and Annotation	
<pre> RECODE K6Q71_R (1=1) (2 thru 3 =2) (99=99) into curious6to17_1617. IF SC_AGE_YEARS < 6 curious6to17_1617=90. VARIABLE LABELS curious6to17_1617 "Children who show interest and curiosity in learning new things, age 6-17 years". VALUE LABELS curious6to17_1617 1 "Definitely true" 2 "Somewhat true or Not true" 90 "Children age 0-5 years" 99 "Missing". MISSING VALUES curious6to17_1617(90,99). EXECUTE. RECODE K7Q84_R (1=1) (2 thru 3 =2) (99=99) into finishes_1617. IF SC_AGE_YEARS < 6 finishes_1617=90. VARIABLE LABELS finishes_1617 "Children who work to finish the tasks they start, age 6-17 years". </pre>	

VALUE LABELS finishes_1617

1 "Definitely true"

2 "Somewhat true or Not true"

90 "Children age 0-5 years"

99 "Missing".

MISSING VALUES finishes_1617(90,99).

EXECUTE.

COMPUTE resil6to17_1617 = K7Q85_R.

IF SC_AGE_YEARS < 6 resil6to17_1617=90.

VARIABLE LABELS resil6to17_1617 "Children who stay calm and in control when faced with a challenge, age 6-17 years".

VALUE LABELS resil6to17_1617

1 "Definitely true"

2 "Somewhat true"

3 "Not true"

90 "Children age 0-5 years"

99 "Missing".

MISSING VALUES resil6to17_1617(90,99).

EXECUTE.

MISSING VALUES finishes_1617 resil6to17_1617 curious6to17_1617().

COUNT flrsh6to17ct = finishes_1617 resil6to17_1617 curious6to17_1617 (1).

IF finishes_1617=99 and resil6to17_1617=99 and curious6to17_1617=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_1617.

VARIABLE LABELS flrish6to17_1617 "Indicator 2.4: Flourishing for children and adolescents, age 6-17 years".

VALUE LABELS flrish6to17_1617

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_1617 (90,99).

EXECUTE.

Indicator 2.5	Argue too much, age 6-17 years (argue_1617)
Description	How well does this phrase describe this child: this child argues too much?
Survey Items Used	Survey instrument item number: for children 6-11 years: A3h; for children 12-17 years: A3h Variable in public use data file: K7Q70_R
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This question is asked for children between 6 and 17 years of age.	
Revisions	
In 2017, the content of this measure did not change from the 2016 NSCH. The wording of the stem question changed in 2017. For more information about the changes, click here . 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. Response options "Never, rarely, sometimes, usually, or always true" in the 2011 NSCH were changed to "Definitely true, somewhat true, or not true" in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE argue_1617 = K7Q70_R. IF SC_AGE_YEARS < 6 argue_1617 = 90. VARIABLE LABELS argue_1617 "Indicator 2.5: Children who argue too much, age 6-17 years". VALUE LABELS argue_1617 1 "Definitely true" 2 "Somewhat true" 3 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES argue_1617(90,99). FORMATS argue_1617(f2.0). EXECUTE. </pre>	

Indicator 2.6	Making and keeping friends, age 6-17 years (MakeFriend_1617)
Description	Compared to other children his or her age, how much difficulty does this child have making or keeping friends?
Survey Items Used	Survey instrument item number: for children 6-11 years: G7; for children 12-17 years: G7 Variable in public use data file: MAKEFRIEND
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This question is asked among children between 3 and 17 years of age. However, the denominator of this measure is children ages 6-17 years.	
Revisions	
In 2017, this measure 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. Prior to the 2016 NSCH, these questions were asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of the questions in the 2016 NSCH. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE MakeFriend_1617 = MAKEFRIEND. IF SC_AGE_YEARS < 6 MakeFriend_1617 = 90. VARIABLE LABELS MakeFriend_1617 "Indicator 2.6: Difficulties making and keeping friends, age 6-17 years". VALUE LABELS MakeFriend_1617 1 "No difficulty" 2 "A little difficulty" 3 "A lot of difficulty" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES MakeFriend_1617(90,99). FORMATS MakeFriend_1617(f2.0). EXECUTE. </pre>	

Indicator 2.7	Prevalence of ADD/ADHD, age 3-17 years (ADHDind_1617)
Description	Does this child currently have Attention Deficit Disorder (ADD) or Attention-Deficit/Hyperactivity Disorder (ADHD)?
Survey Items Used	Survey instrument item number: for children 0-5 years: A33; for children 6-11 years: A34; for children 12-17 years: A34 Variable in public use data file: K2Q31A; K2Q31B
Denominator	Children age 3-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<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" to having "ever been told" that a child has a specific health condition does not indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p> <p>The 2016 and 2017 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.</p>	
Revisions	
<p>In 2017, this measure 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.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE ADHDind_1617= 999. IF K2Q31A = 2 ADHDind_1617= 1. IF K2Q31A = 1 and K2Q31B = 2 ADHDind_1617= 2. IF K2Q31A = 1 and K2Q31B = 1 ADHDind_1617= 3. IF K2Q31A=99 or K2Q31B=99 ADHDind_1617= 99. IF SC_AGE_YEARS < 3 ADHDind_1617= 95. VARIABLE LABELS ADHDind_1617 "Indicator 2.7: Children who currently have ADD or ADHD, age 3-17 years". VALUE LABELS ADHDind_1617 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_1617(95,99). FORMATS ADHDind_1617(f2.0). EXECUTE. </pre>	

Indicator 2.7a	Parent-rated severity of ADD/ADHD, age 3-17 years (ADHDSelInd_1617)
Description	Would you describe this child's current Attention Deficit Disorder (ADD) or Attention-Deficit/Hyperactivity Disorder (ADHD) as mild, moderate or severe?
Survey Items Used	Survey instrument item number for children 0-5 years: A33; for children 6-11 years: A34; for children 12-17 years: A34 Variable in public use data file: K2Q31A; K2Q31B; K2Q31C
Denominator	Children age 3-17 years
Numerator/Response Categories	Children who do not currently have ADD/ADHD; Children with mild current ADD/ADHD; Children with moderate or severe current ADD/ADHD
Notes for Data-Users	
All information about children's health conditions from the NSCH is based on parent report. The 2016 and 2017 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE ADHDSelInd_1617 = 999. IF K2Q31C = 1 ADHDSelInd_1617 = 2. IF K2Q31C = 2 or K2Q31C= 3 ADHDSelInd_1617 = 3. IF ADHD_1617= 1 or ADHD_1617 = 2 ADHDSelInd_1617 = 1. IF K2Q31A = 99 or K2Q31B = 99 or K2Q31C = 99 ADHDSelInd_1617 = 99. IF SC_AGE_YEARS < 3 ADHDSelInd_1617 = 95. VARIABLE LABELS ADHDSelInd_1617 "Indicator 2.7a: Parent-rated severity of current ADD/ADHD, age 3-17 years". VALUE LABELS ADHDSelInd_1617 1 "Do 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 ADHDSelInd_1617(95,99). FORMATS ADHDSelInd_1617(f2.0). EXECUTE. </pre>	

Indicator 2.7b	Medication for ADD/ADHD, age 3-17 years (ADHDMed_1617)
Description	Is this child currently taking medication for ADD or ADHD?
Survey Items Used	Survey instrument item number for children 0-5 years: A34; for children 6-11 years: A35; for children 12-17 years: A35 Variable name in public use data file: K2Q31D; K2Q31A; K2Q31B
Denominator	Children age 3-17 years
Numerator/Responsible Categories	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
Notes for Data-Users	
<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>Please note that in the NSCH all information about children's health conditions from the NSCH is based on parent recollection and is not independently verified. The 2016 and 2017 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years."</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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>	
SPSS Syntax and Annotation	
<pre> COMPUTE ADHDMed_1617 = 999. IF K2Q31D = 1 ADHDMed_1617 = 3. IF K2Q31D = 2 ADHDMed_1617 = 2. IF K2Q31A=99 or K2Q31B=99 or K2Q31D=99 ADHDMed_1617 = 99. IF K2Q31A = 2 or (K2Q31A = 1 and K2Q31B = 2) ADHDMed_1617 = 1. IF SC_AGE_YEARS < 3 ADHDMed_1617 = 95. VARIABLE LABELS ADHDMed_1617 "Indicator 2.7b: Children currently taking medication for ADD or ADHD, age 3-17 years". VALUE LABELS ADHDMed_1617 1 "Do not currently have condition" 2 "Currently have condition but not taking medication" 3 "Currently have condition and taking medication" 99 "Missing" 95 "Children age 0-2 year". MISSING VALUES ADHDMed_1617(95,99). EXECUTE. </pre>	

Indicator 2.7c	Received behavioral treatment for ADD/ADHD, age 3-17 years (ADHDBehTreat_1617)
Description	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?
Survey Items Used	Survey instrument item number for children 0-5 years: A35; for children 6-11 years: A36; for children 12-17 years: A36 Variable in public use data file: ADDTREAT; K2Q31A; K2Q31B
Denominator	Children age 3-17 years
Numerator/Response Categories	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
Notes for Data-Users	
All information about children's health conditions from the NSCH is based on parent report. The 2016 and 2017 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
Revisions	
In 2017, this measure 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. Prior to the 2016 NSCH, this question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of the questions in the 2016 NSCH. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE ADHDBehTreat_1617 = 999. IF ADDTREAT = 1 ADHDBehTreat_1617 = 3. IF ADDTREAT = 2 ADHDBehTreat_1617 = 2. IF K2Q31A=99 or K2Q31B=99 or ADDTREAT=99 ADHDBehTreat_1617 = 99. IF K2Q31A = 2 or (K2Q31A = 1 and K2Q31B = 2) ADHDBehTreat_1617 = 1. IF SC_AGE_YEARS < 3 ADHDBehTreat_1617 = 95. VARIABLE LABELS ADHDBehTreat_1617 "Indicator 2.7c: Received behavioral treatment for ADD/ADHD, age 3-17 years". VALUE LABELS ADHDBehTreat_1617 1 "Do not currently have condition" 2 "Currently have condition but did not receive behavioral treatment" 3 "Currently have condition and received behavioral treatment" 99 "Missing" 95 "Children age 0-2 year". MISSING VALUES ADHDBehTreat_1617(95,99). EXECUTE. </pre>	

Indicator 2.8	Prevalence of autism/ASD, age 3-17 years (AutismInd_1617)
Description	Does this child currently have Autism or Autism Spectrum Disorder (ASD) including Asperger's Disorder, Pervasive Developmental Disorder?
Survey Items Used	Survey instrument item number: for children 0-5 years: A28; for children 6-11 years: A29; for children 12-17 years: A29 Variable in public use data file: K2Q35A; K2Q35B
Denominator	Children age 3-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<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" to having "ever been told" that a child has a specific health condition does not indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p> <p>The 2016 and 2017 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.</p>	
Revisions	
<p>In 2017, this measure 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.</p> <p>There were changes to the wording of this question in 2016. For more information about the changes click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE AutismInd_1617 = 999. IF K2Q35A = 2 AutismInd_1617 = 1. IF K2Q35A = 1 and K2Q35B = 2 AutismInd_1617 = 2. IF K2Q35A = 1 and K2Q35B = 1 AutismInd_1617 = 3. IF K2Q35A=99 or K2Q35B=99 AutismInd_1617 = 99. IF SC_AGE_YEARS < 3 AutismInd_1617 = 95. VARIABLE LABELS AutismInd_1617 "Indicator 2.8: Children who currently have autism or Autism Spectrum Disorder, age 3-17 years". VALUE LABELS AutismInd_1617 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_1617(95,99). FORMATS AutismInd_1617(f2.0). EXECUTE. </pre>	

Indicator 2.8a	Parent-rated severity of autism/ASD, age 3-17 years (ASDSevInd_1617)
Description	Would you describe this child's current Autism or Autism Spectrum Disorder as mild, moderate or severe?
Survey Items Used	Survey instrument item number: for children 0-5 years: A28; for children 6-11 years: A29; for children 12-17 years: A29 Variable in public use data file: K2Q35A; K2Q35B; K2Q35C
Denominator	Children age 3-17 years
Numerator/Response Categories	Children who do not currently have autism/ASD; Children who currently have mild autism/ASD; Children who currently have moderate/severe autism/ASD
Notes for Data-Users	
<p>All information about children's health conditions from the 2017 NSCH is based on parent recollection and is not independently verified.</p> <p>The 2017 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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> <p>There were changes to the wording of this question in 2016. For more information about the changes click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE ASDSevInd_1617 = 999. IF K2Q35C = 1 ASDSevInd_1617 = 2. IF K2Q35C = 2 or K2Q35C =3 ASDSevInd_1617 = 3. IF autism_1617= 1 or autism_1617 = 2 ASDSevInd_1617 = 1. IF K2Q35A = 99 or K2Q35B = 99 or K2Q35C = 99 ASDSevInd_1617 = 99. IF SC_AGE_YEARS < 3 ASDSevInd_1617 = 95. VARIABLE LABELS ASDSevInd_1617 "Indicator 2.8a: Parent-rated severity of current autism, age 3-17 years". VALUE LABELS ASDSevInd_1617 1 "Do not currently have condition" 2 "Current condition, rated mild" 3 "Current condition, rated moderate/severe" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES ASDSevInd_1617(95,99). FORMATS ASDSevInd_1617(f2.0). EXECUTE. </pre>	

Indicator 2.8b	Medication for autism/ASD, age 3-17 years (ASDMed_1617)
Description	Is this child currently taking medication for Autism, ASD, Asperger's Disorder or PDD?
Survey Items Used	Survey instrument item number for children 0-5 years: A28, A31; for children 6-11 years: A28, A32; for children 12-17 years: A28, A32 Variables in public use data file: AUTISMMED; K2Q35A; K2Q35B
Denominator	Children age 3-17 years
Numerator/Response Categories	Children who currently have autism/ASD and are taking medication; Children who currently have autism/ASD but are not taking medication; Children who do not currently have autism/ASD
Notes for Data-Users	
<p>This measure was based on three questions that 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 recollection and is not independently verified. These questions were asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</p> <p>This item was new in the 2016 NSCH.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE ASDMed_1617= 999. IF AUTISMMED = 1 ASDMed_1617 = 3. IF AUTISMMED = 2 ASDMed_1617 = 2. IF K2Q35B = 99 or K2Q35A = 99 or AUTISMMED = 99 ASDMed_1617 = 99. IF K2Q35A = 2 or (K2Q35A = 1 and K2Q35B = 2) ASDMed_1617 = 1. IF SC_AGE_YEARS < 3 ASDMed_1617 = 95. VARIABLE LABELS ASDMed_1617 "Indicator 2.8b: Children currently taking medication for autism/ASD, age 3-17 years". VALUE LABELS ASDMed_1617 1 "Do not currently have condition" 2 "Currently have condition but not taking medication" 3 "Currently have condition and taking medication" 99 "Missing" 95 "Children age 0-2 year". MISSING VALUES ASDMed_1617(95,99). EXECUTE. </pre>	

Indicator 2.8c	Received behavioral treatment for autism/ASD, age 3-17 years (ASDBehTreat_1617)
Description	At any time during the past 12 months, did this child receive behavioral treatment for Autism, ASD, Asperger's Disorder or PDD, such as training or an intervention that you or this child received to help with his or her behavior?
Survey Items Used	Survey instrument item number for children 0-5 years: A32; for children 6-11 years: A33; for children 12-17 years: A33 Variables in public use data file: AUTISMTRAT'; K2Q35A; K2Q35B
Denominator	Children age 3-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was based on three questions that 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". All information about children's health conditions from the NSCH is based on parent recollection and is not independently verified. These questions were asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE ASDBehTreat_1617 = 999. IF AUTISMTRAT = 1 ASDBehTreat_1617 = 3. IF AUTISMTRAT = 2 ASDBehTreat_1617 = 2. IF K2Q35B = 99 or K2Q35A = 99 or AUTISMTRAT = 99 ASDBehTreat_1617 = 99. IF K2Q35A = 2 or (K2Q35A = 1 and K2Q35B = 2) ASDBehTreat_1617 = 1. IF SC_AGE_YEARS < 3 ASDBehTreat_1617 = 95. VARIABLE LABELS ASDBehTreat_1617 "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_1617 1 "Do not currently have condition" 2 "Currently have condition but did not receive behavioral treatment" 3 "Currently have condition and received behavioral treatment" 99 "Missing" 95 "Children age 0-2 years". MISSING VALUES ASDBehTreat_1617(95,99). EXECUTE. </pre>	

Indicator 2.8d	Age of diagnosis for autism/ASD, age 3-17 years (ASDAge_1617)
Description	How old was this child when a doctor or other health care provider first told you that he or she had Autism, ASD, Asperger's Disorder or PDD?
Survey Items Used	Survey instrument item number: for children 0-5 years: A29; for children 6-11 years: A30; for children 12-17 years: A30; Variables in public use data file: K2Q35A_1_YEARS; K2Q35A
Denominator	Children age 3-17 years who have been diagnosed with ASD
Numerator/Response Categories	Diagnosed at birth to 2 years; Diagnosed 3-5 years of age; Diagnosed at 6-17 years of age
Notes for Data-Users	
All information about children's health conditions from the NSCH is based on parent recollection and is not independently verified. These questions were asked among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> RECODE K2Q35A_1_YEARS (0 thru 2 =1) (3 thru 5=2) (6 thru 17=3) (99=999) (else=copy) into ASDAge_1617. IF K2Q35A = 2 ASDAge_1617 = 998. IF SC_AGE_YEARS < 3 ASDAge_1617 = 995. VARIABLE LABELS ASDAge_1617 "Indicator 2.8d: Age of diagnosis for autism/ASD, age 3-17 years". VALUE LABELS ASDAge_1617 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_1617(995,998,999). EXECUTE. </pre>	

Indicator 2.8e	Type of doctor or health care provider first to tell that child had autism/ASD, age 3-17 years (ASDDrType_1617)
Description	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?
Survey Items Used	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
Denominator	Children age 3-17 years who have been diagnosed autism/ASD
Numerator/Response Categories	Primary care provider; Specialist; Psychologist/counselor (school or non-school); Psychiatrist; Other doctor or health care provider
Notes for Data-Users	
All information about children's health conditions from the 2017 NSCH is based on parent recollection and is not independently verified.	
Revisions	
In 2017, this measure 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. In 2016, response options for this item have changed from previous years of the survey. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> RECODE K2Q35D (1=1) (2=2) (3 thru 4=3) (5=4) (6=5) (7=99) (else=copy) into ASDDrType_1617. IF K2Q35D=99 ASDDrType_1617 = 99. IF K2Q35D = 7 ASDDrType_1617 = 99. IF K2Q35A = 2 ASDDrType_1617 = 96. IF SC_AGE_YEARS < 3 ASDDrType_1617 = 95. VARIABLE LABELS ASDDrType_1617 "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_1617 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_1617(95,96,99). EXECUTE. </pre>	

Indicator 2.9	Medication for ADD/ADHD, ASD, or difficulties with emotions, concentration, or behavior, age 3-17 years (MedEmotion_1617)
Description	Is this child taking medication for ADD/ADHD, ASD, or difficulties with emotions, concentration, or behavior?
Survey Items Used	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; AUTISM MED; K2Q31D
Denominator	Children age 3-17 years
Numerator/Response Categories	Children currently taking medication for emotions/concentration/behavior (including ASD and ADD/ADHD); Children who are not taking medication for emotions/concentration/behavior
Notes for Data-Users	
This measure combines responses to three questions: whether children with current autism/ASD are using medication, whether children with current ADD/ADHD are using medication, and whether children not on medication for ASD or ADD/ADHD have taken medication for other emotional/behavioral/concentration issues during the past 12 months. A "Yes" to any of these questions qualifies. Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, the questions about medication use for ADD/ADHD and emotion, concentration or behavior were asked among children age 2-17 years. "Medication for ASD" was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE MedEmotion_1617 = 999. IF K4Q23 = 99 MedEmotion_1617 = 99. IF K4Q23 = 2 MedEmotion_1617 = 2. IF K4Q23 = 1 MedEmotion_1617 = 1. IF K2Q31D = 1 MedEmotion_1617 = 1. IF AUTISM MED = 1 MedEmotion_1617 = 1. IF SC_AGE_YEARS < 3 MedEmotion_1617 = 90. VARIABLE LABELS MedEmotion_1617 "Indicator 2.9: Children who are taking medication for autism/ASD, ADHD, emotions, concentration or behavior, age 3-17 years". VALUE LABELS MedEmotion_1617 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-2 years". MISSING VALUES MedEmotion_1617(90,99). FORMATS MedEmotion_1617(f2.0). EXECUTE. </pre>	

Health Insurance Coverage

Indicator 3.1	Current health insurance status (CurreIns_1617)
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: CURREINS
Denominator	Children age 0-17 years
Numerator/Response Categories	Children currently insured, Children currently not insured
Notes for Data-Users	
<p>This measure was derived using the constructed CURREINS variable provided in both the 2016 and 2017 NSCH public use data files. The CURREINS 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.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. The 2011/12 NSCH defined health insurance coverage as "health insurance, prepaid plans such as HMOs, or government plans such as Medicaid". In the 2016 and 2017 NSCH, the current insurance question is asked among children who answered "Yes, but the child had a gap in coverage" or "No" to the question "During the past 12 months, was this child EVER covered by ANY kind of health insurance or health coverage plan?" (K3Q04_R) followed by a question that asks about the type of health insurance and insurance coverage plan. For more information about the changes, click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE CurreIns_1617 = CURREINS. VARIABLE LABELS CurreIns_1617 "Indicator 3.1: Health insurance status at time of survey". VALUE LABELS CurreIns_1617 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_1617(99). FORMATS CurreIns_1617(f4.0). EXECUTE. </pre>	

Indicator 3.2	Consistency of insurance coverage (InsGap_1617)
Description	Did this child have consistent health insurance coverage during the past 12 months?
Survey Items Used	Survey instrument item number for children 0-5 years: E1,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
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<p>This measure is derived using the constructed variable INSGAP variable provided in both the 2016 and 2017 NSCH public use data files. 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>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. In the 2011/12 NSCH, a question whether the child was currently insured was asked first. This was followed by a question about whether the child had periods with no insurance coverage. Children with gaps in their health insurance coverage were defined by combining responses to whether the child currently had health insurance coverage (K3Q01) and whether currently insured children had periods with no insurance (K3Q03) but did take into account the type of insurance. In the 2016 NSCH, those children with only Indian Health Service or health care sharing ministry were set to missing (considered not to be currently insured).</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE InsGap_1617 = 999. IF INSGAP = 1 InsGap_1617 = 1. IF INSGAP = 2 or INSGAP = 3 InsGap_1617 = 2. IF CURRINS = 2 InsGap_1617 = 2. IF INSGAP = 99 InsGap_1617 = 99. VARIABLE LABELS InsGap_1617 "Indicator 3.2: Children who had consistent health insurance coverage during the past 12 months". VALUE LABELS InsGap_1617 1 "Insured continuously all year" 2 "Child had a gap in coverage" 99 "Missing". MISSING VALUES InsGap_1617(99). FORMATS InsGap_1617(f4.0). </pre>	

EXECUTE.

*Reasons not covered by health insurance

COMPUTE NoCovEmp_1617 = K12Q01_A.

IF INSGAP = 1 NoCovEmp_1617 = 95.

IF INSGAP=99 NoCovEmp_1617 = 99.

VARIABLE LABELS NoCovEmp_1617 "Child was not covered by health insurance due to change in parent's employment status".

VALUE LABELS NoCovEmp_1617

1 "Gap related to employment change"

2 "Gap not related to employment change"

95 "Insured continuously all year"

99 "Missing".

MISSING VALUES NoCovEmp_1617(95,99).

COMPUTE NoCovOverdue_1617 = K12Q01_B.

IF INSGAP = 1 NoCovOverdue_1617 = 95.

IF INSGAP=99 NoCovOverdue_1617 = 99.

VARIABLE LABELS NoCovOverdue_1617 "Child was not covered by health insurance because of cancellation due to overdue premium".

VALUE LABELS NoCovOverdue_1617

1 "Gap related to overdue premium"

2 "Gap not related to overdue premium"

95 "Insured continuously all year"

99 "Missing".

MISSING VALUES NoCovOverdue_1617(95,99).

COMPUTE NoCovUnafford_1617 = K12Q01_C.

IF INSGAP = 1 NoCovUnafford_1617 = 95.

IF INSGAP=99 NoCovUnafford_1617 = 99.

VARIABLE LABELS NoCovUnafford_1617 "Dropped health insurance coverage because it was unaffordable".

VALUE LABELS NoCovUnafford_1617

1 "Gap related to unaffordability"

2 "Gap not related to unaffordability"

95 "Insured continuously all year"

99 "Missing".

MISSING VALUES NoCovUnafford_1617(95,99).

COMPUTE NoCovBenInadeq_1617 = K12Q01_D.

IF INSGAP = 1 NoCovBenInadeq_1617 = 95.

IF INSGAP=99 NoCovBenInadeq_1617 = 99.

VARIABLE LABELS NoCovBenInadeq_1617 "Dropped health insurance coverage because benefits were inadequate".

VALUE LABELS NoCovBenInadeq_1617

1 "Gap related to inadequacy of coverage"

2 "Gap not due to inadequacy of coverage"

95 "Insured continuously all year"

99 "Missing".

MISSING VALUES NoCovBenInadeq_1617(95,99).

COMPUTE NoCovProvInadeq_1617 = K12Q01_E.

IF INSGAP = 1 NoCovProvInadeq_1617 = 95.

IF INSGAP=99 NoCovProvInadeq_1617 = 99.

VARIABLE LABELS NoCovProvInadeq_1617 "Dropped health insurance coverage because choice of health care provider was inadequate".

VALUE LABELS NoCovProvInadeq_1617

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1 "Gap related to provider options"
2 "Gap not related to inadequacy of provider options"
95 "Insured continuously all year"
99 "Missing".
MISSING VALUES NoCovProvInadeq_1617(95,99).

COMPUTE NoCovRenew_1617 = K12Q01_F.
IF INSGAP = 1 NoCovRenew_1617 = 95.
IF INSGAP=99 NoCovRenew_1617 = 99.
VARIABLE LABELS NoCovRenew_1617 "Child was not covered by insurance due to problems with application or renewal process".
VALUE LABELS NoCovRenew_1617
1 "Gap related to renewal or application process"
2 "Gap not related to renewal or application process"
95 "Insured continuously all year"
99 "Missing".
MISSING VALUES NoCovRenew_1617(95,99).

Indicator 3.3	Type of health insurance (InsType_1617)
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
Notes for Data-Users	
<p>This measure was derived using the constructed INSTYPE variable provided in both the 2016 and 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".</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH. However, in 2017, the category "Insured, type unknown" was dropped from INSTYPE derived variable.</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. In the 2011/12 NSCH, public insurance was defined as "Medicaid or the State Children's Health Insurance Program, SCHIP" -- and named the Medicaid and/or SCHIP programs within the state the child resided in. Children who were insured but did not have public insurance were coded as having private insurance coverage. In the 2016 and 2017 NSCH, parents who indicated that their child is currently covered by any kind of health insurance/coverage were able to select the type of insurance from a list, with an open-ended field for "other insurance type". Responses to the open-ended field were recoded to "other public insurance", "other private insurance", "coverage through the Affordable Care Act" and a "religious health share". These recoded types of health insurance coverage were grouped into existent insurance categories when appropriate.</p>	
SPSS Syntax and Annotation	
<pre> RECODE INSTYPE (5=4) (4=99) (else=copy) into instype_1617. VARIABLE LABELS instype_1617 "Indicator 3.3: Type of current health insurance". VALUE LABELS instype_1617 1 "Public only (government assistance)" 2 "Private only (privately purchased, including through ACA marketplace, through employer, or TRICARE)" 3 "Public and private" 4 "Uninsured" </pre>	

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99 "Missing".  
MISSING VALUES instype_1617(99).  
FORMATS instype_1617(f4.0).  
EXECUTE.
```

Indicator 3.4	Adequacy of current insurance (InsAdeq_1617)
Description	Is this child's current insurance coverage usually/always adequate to meet his/her needs?
Survey Items Used	Survey instrument item number for children 0-5 years: E3, E5, E6, F1, F2; for children 6-11 years: E3, E5, E6, F1, F2; for children 12-17 years: E3, E5, E6, F1, F2 Variable in public use data file: CURREINS; K3Q20; K3Q22; K3Q21B; HOWMUCH
Denominator	Children age 0-17 years who are currently insured
Numerator/Response Categories	Child's current insurance is adequate for child's needs; Child's current insurance is NOT adequate for child's needs
Notes for Data-Users	
Five questions were used to create this measure: current health insurance coverage (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.	
Revisions	
In 2017, this measure 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. The 2011/12 NSCH asked whether parents paid any money for their children's health care. The 2016 and 2017 NSCH allow parents to report how much money they paid in categorical amounts. Then, for those parents who paid any amount out of pocket, they were asked how often the costs were reasonable. In 2016, there were changes to the wording of this question. For more information about the changes click here .	
SPSS Syntax and Annotation	
RECODE K3Q20 (1=1) (2=2) (3 thru 4=3) (99=99) into benefits_1617. IF CURREINS = 99 benefits_1617=99. IF CURREINS = 2 benefits_1617=95. VARIABLE LABELS benefits_1617 "Current insurance coverage meets child's health needs". VALUE LABELS benefits_1617 1 "Always" 2 "Usually" 3 "Sometimes or never" 99 "Missing" 95 "Uninsured". MISSING VALUES benefits_1617 (95,99). FORMATS benefits_1617 (f3.0). EXECUTE. RECODE K3Q22 (1=1) (2=2) (3 thru 4=3) (99=99) into allows_1617. IF CURREINS = 99 allows_1617 = 99.	

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IF CURRINS = 2 allows_1617=95.
VARIABLE LABELS allows_1617 "Current insurance coverage allows child to see needed provider".
VALUE LABELS allows_1617
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing"
95 "Uninsured".
MISSING VALUES allows_1617 (95,99).
FORMATS allows_1617 (f3.0).
EXECUTE.

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COMPUTE expense_1617 = 999.
IF K3Q21B = 1 expense_1617 = 1.
IF K3Q21B = 2 expense_1617 = 2.
IF (K3Q21B = 3 or K3Q21B = 4) expense_1617 = 3.
IF K3Q21B = 99 expense_1617=99.
IF HOWMUCH = 1 expense_1617 = 0.
IF CURRINS = 99 expense_1617 = 99.
IF CURRINS = 2 expense_1617=95.
VARIABLE LABELS expense_1617 "Current insurance out-of-pocket expenses are reasonable". VALUE
LABELS expense_1617
0 'No out of pocket expenses'
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing"
95 "Uninsured".
MISSING VALUES expense_1617 (95,99).
FORMATS expense_1617 (f3.0).

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COMPUTE InsAdeq_1617=999.
IF (benefits_1617 = 1 or benefits_1617 = 2 or benefits_1617 = 99) and (allows_1617 = 1 or allows_1617 =
2 or allows_1617 = 99) and (expense_1617 = 1 or expense_1617 =2 or expense_1617 = 99)
InsAdeq_1617 = 1.
IF expense_1617 = 0 InsAdeq_1617 = 1.
IF benefits_1617 = 3 or allows_1617 = 3 or expense_1617 = 3 InsAdeq_1617 = 2.
IF benefits_1617 = 99 and allows_1617 = 99 and expense_1617 = 99 InsAdeq_1617 = 99.
IF CURRINS = 2 InsAdeq_1617 = 95.
VARIABLE LABELS InsAdeq_1617 "Indicator 3.4: Adequacy of current Insurance coverage".
VALUE LABELS InsAdeq_1617
1 "Insurance is adequate for child's health needs"
2 "Insurance is NOT adequate for child's health needs"
99 "Missing to all questions"
95 "Uninsured".
MISSING VALUES InsAdeq_1617(95,99).
FORMATS InsAdeq_1617(f4.0).
EXECUTE.

```

Indicator 3.4a	Adequate and continuous insurance (Insurance_1617)
Description	Is this child adequately insured: current insurance is adequate and insured entire year during the past 12 months?
Survey Items Used	Survey instrument item number for children 0-5 years: E1, E3, E5, E6, 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
Denominator	Children age 0-17 years
Numerator/Responsible Categories	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
Notes for Data-Users	
<p>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.</p> <p>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.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. In the 2011/12 NSCH, this question asked whether families paid any money for their children's health care. The 2016 NSCH asked parents to report how much money they paid in categorical responses. The question then asked how often the costs were reasonable among those parents who paid any amount out-of-pocket. For more information on content changes, click here. Additionally, in the 2016 NSCH, consistency of health insurance during the past 12 months is included in the scoring of the measure.</p>	
SPSS Syntax and Annotation	
<pre>COMPUTE insurance_1617 = 1. IF (InsGap_1617 = 1 or InsGap_1617 = 99) and (InsAdeq_1617 = 1 or InsAdeq_1617 =99) insurance_1617 = 1. IF CurreIns_1617 = 2 or InsGap_1617 = 2 or InsAdeq_1617 = 2 insurance_1617 = 2. IF InsGap_1617 = 99 and InsAdeq_1617 = 99 insurance_1617 = 99. VARIABLE LABELS insurance_1617 "Indicator 3.4a: Children who are continuously and adequately insured". VALUE LABELS insurance_1617</pre>	

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1 "Currently insured, consistently insured and insurance is adequate"
2 "Not currently insured, had coverage gap or inadequate insurance"
99 "Missing to both".
MISSING VALUES insurance_1617(99).
FORMATS insurance_1617 (f2.0).

Indicator 3.5	Insurance coverage for mental health care, age 3-17 years (InsMentH_1617)
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. The 2016 and 2017 NSCH asked this question among all children, including children <3 years old. However, the denominator of this measure is children ages 3-17 years.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> RECODE MENBEVCOV (1=1) (2=2) (3 thru 4=3) (5=96) (99=99) into InsMentH_1617. IF CURRINS = 2 InsMentH_1617 = 96. IF CURRINS = 99 InsMentH_1617 = 99. IF SC_AGE_YEARS < 3 InsMentH_1617 = 95. VARIABLE LABELS InsMentH_1617 "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_1617 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_1617(95,96,99). FORMATS InsMentH_1617(f4.0). EXECUTE. </pre>	

Indicator 3.6	Out-of-pocket cost for medical and health care (OutOfPckt_1617)
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/Response 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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. Prior to the 2016 NSCH, these questions were asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of the questions in the 2016 NSCH. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> RECODE HOWMUCH (1 thru 2=1) (3=2) (4=3) (5=4) (6=5) (99=99) into OutOfPckt_1617. VARIABLE LABELS OutOfPckt_1617 "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_1617 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_1617(99). FORMATS OutOfPckt_1617(f4.0). EXECUTE. </pre>	

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Indicator 4.1	Medical care visit (MedCare_1617)
Description	During the past 12 months, did this child see a doctor, nurse, or other health care professional for sick-child care, well-child check-ups, physical exams, hospitalizations or any other kind of medical care?
Survey Items Used	Survey instrument item number: for children 0-5 years: C1; for children 6-11 years: C1; for children 12-17 years: C1 Variable in public use data file: S4Q01
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. For more information about the wording changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE MedCare_1617 = S4Q01. VARIABLE LABELS MedCare_1617 "Indicator 4.1: Children who received any type of medical care during the past 12 months". VALUE LABELS MedCare_1617 1 "Received medical care" 2 "Did not receive any medical care" 99 "Missing". MISSING VALUES MedCare_1617(99). FORMATS MedCare_1617(f2.0). EXECUTE. </pre>	

Indicator 4.1a	Preventive medical visit (PrevMed_1617)
Description	During the past 12 months, how many times did this child visit a doctor, nurse, or other health care professional to receive a preventive check-up?
Survey Items Used	Survey instrument item number for children 0-5 years: C2, C1; for children 6-11 years: C2, C1; for children 12-17 years: C2, C1 Variable in public use data file: S4Q01; K4Q20R
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who had one or more preventive medical visits in the past 12 months; Children who did not have preventive medical visits during past 12 months
Notes for Data-Users	
This question was asked among children who had a health care visit in the past 12 months.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. The 2011/12 NSCH asked parents to report the number of preventive medical care visits during the past 12 months, and the response was reported as a continuous number. Response options were reported as categorical (0, 1 or 2 or more) in the 2016 NSCH. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE PrevMed_1617 = 999. IF K4Q20R=2 or K4Q20R = 3 PrevMed_1617 = 1. IF K4Q20R = 1 PrevMed_1617 = 2. IF S4Q01 = 2 PrevMed_1617 = 2. IF K4Q20R=99 PrevMed_1617 = 99. IF S4Q01=99 PrevMed_1617 = 99. VARIABLE LABELS PrevMed_1617 "Indicator 4.1a: Children who had one or more preventive medical care visits during past 12 months". VALUE LABELS PrevMed_1617 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing". MISSING VALUES PrevMed_1617(99). FORMATS PrevMed_1617(f2.0). EXECUTE. </pre>	

Indicator 4.1b	Time with doctor during the preventive medical visit (VisitTime_1617)
Description	Thinking about the last time you took this child for a preventive check-up, about how long was the doctor or health care provider who examined this child in the room with you?
Survey Items Used	Survey instrument item number for children 0-5 years: C3; for children 6-11 years: C3; for children 12-17 years: C3 Variable in public use data file: DOCROOM
Denominator	Children age 0-17 years who had a preventive medical visit in the past 12 months
Numerator/Response Categories	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
Notes for Data-Users	
This survey question was asked among children who had a health care visit in the past 12 months.	
Revisions	
In 2017, the content of this measure did not change from the 2016 NSCH. In 2017, a skip pattern changed to capture health care experiences for the LAST preventive care visit among children who had any medical visit in the past 12 months. Even if respondents reported 0 (zero) preventive visits, there is no longer a skip pattern to direct them away from the time spent question. However, the denominator of this measure remained the same as the 2016 NSCH "Children who had any preventive medical visit in the past 12 months" in the combined data set. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> MISSING VALUES PrevMed_1617(). COMPUTE VisitTime_1617 = DOCROOM IF PrevMed_1617 = 2 VisitTime_1617 = 95. IF PrevMed_1617 = 99 VisitTime_1617 = 99. VARIABLE LABELS VisitTime_1617 "Indicator 4.1b: Time with doctor during last preventive check-up". VALUE LABELS VisitTime_1617 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_1617(95,99). EXECUTE. </pre>	

Indicator 4.1c	Doctor spoke with child privately, age 12-17 years (PrivateTalk_1617)
Description	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?
Survey Items Used	Survey instrument item number for children 12-17 years: C4 Variable in public use data file: DOCPRIVATE; SC_AGE_YEARS
Denominator	Children age 12-17 years who had a preventive medical visit in the past 12 months
Numerator/Response Categories	Children who had preventive visits and doctor spoke with them privately without an adult in the rooms; Children who had preventive visits and doctor did not spoke with them privately without an adult in the room
Notes for Data-Users	
This survey question was only asked among children 12-17 years who had a health care visit in the past 12 months.	
Revisions	
In 2017, the content of this measure did not change from the 2016 NSCH. In 2017, a skip pattern changed to capture health care experiences for the LAST preventive care visit among children who had any medical visit in the past 12 months. Even if respondents reported 0 (zero) preventive visits, there is no longer a skip pattern to direct them away from answering the privacy question. However, the denominator of this measure remained the same as the 2016 NSCH "Children who had any preventive medical visit in the past 12 months" in the combined data set. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre>MISSING VALUES PrevMed_1617(). COMPUTE PrivateTalk_1617 = DOCPRIVATE. IF PrevMed_1617 = 2 PrivateTalk_1617 = 95. IF PrevMed_1617 = 99 PrivateTalk_1617 = 99. IF SC_AGE_YEARS < 12 PrivateTalk_1617 = 90. VARIABLE LABELS PrivateTalk_1617 "Indicator 4.1c: Doctor spoke with child privately without an adult in the room during last preventive check-up, age 12-17 years". VALUE LABELS PrivateTalk_1617 1 "Yes" 2 "No" 99 "Missing" 95 "No preventive care visits in past 12 months" 90 "Children age 0-11 years". MISSING VALUES PrivateTalk_1617(90,95,99). FORMATS PrivateTalk_1617(f2.0). EXECUTE.</pre>	

Indicator 4.2	Dentist visit, age 1-17 years (DentCare_1617)
Description	During the past 12 months, did this child see a dentist or other oral health care provider for any kind of dental or oral health care?
Survey Items Used	Survey instrument item number for children 0-5 years: C15; for children 6-11 years: C13; for children 12-17 years: C14 Variable in public use data file: K4Q30_R
Denominator	Children age 1-17 years
Numerator/Response Categories	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
Notes for Data-Users	
Children younger than one year of age were not included in this measure.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. For more information about the content changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE DentCare_1617 = K4Q30_R. IF SC_AGE_YEARS < 1 DentCare_1617 = 95. VARIABLE LABELS DentCare_1617 "Indicator 4.2: Children who received any type of dental care during the past 12 months, age 1-17 years". VALUE LABELS DentCare_1617 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_1617(95,99). FORMATS DentCare_1617(f2.0). EXECUTE. </pre>	

Indicator 4.2a	Preventive dental care, age 1-17 years (PrevDent_1617)
Description	During the past 12 months, did this child see a dentist or other oral health care provider for preventive dental care, such as check-ups, dental cleanings, dental sealants, or fluoride treatments?
Survey Items Used	Survey instrument item number: for children 0-5 years: C15, C16; for children 6-11 years: C13, C14; for children 12-17 years: C14, C15 Variable in public use file: K4Q30_R; DENTISTVISIT
Denominator	Children age 1-17 years
Numerator/Response Categories	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
Notes for Data-Users	
Children younger than one year of age are not included in this measure. Children who have had a dental cleaning, X-ray, check-up, or fluoride treatment were classified as having a preventative dental visit.	
Revisions	
In 2017, this measure 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. The 2011/12 NSCH asked parents to report the number of preventive dental visits during the past 12 months, and the response was reported as a continuous number. Response options were reported as categorical (No visit, 1 visit or 2 or more visits) in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE PrevDent_1617 = 999. IF DENTISTVISIT = 2 or DENTISTVISIT = 3 PrevDent_1617 = 1. IF DENTISTVISIT = 1 PrevDent_1617 = 2. IF DENTISTVISIT = 99 PrevDent_1617 = 99. IF K4Q30_R = 3 PrevDent_1617 = 2. IF K4Q30_R = 99 PrevDent_1617 = 99. IF SC_AGE_YEARS < 1 PrevDent_1617 = 95. VARIABLE LABELS PrevDent_1617 "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_1617 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES PrevDent_1617(95,99). FORMATS PrevDent_1617(f2.0). EXECUTE. ***Type of preventive dental services received COMPUTE DentCheck_1617=999. IF DENTALSERV1 = 1 DentCheck_1617 =1. IF DENTALSERV1 = 2 DentCheck_1617 =2. </pre>	

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IF DENTISTVISIT = 1 or K4Q30_R = 3 DentCheck_1617 = 3.
IF DENTISTVISIT = 99 and DENTALSERV1 = 2 DentCheck_1617 = 99.
IF K4Q30_R = 99 DentCheck_1617 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and
DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentCheck_1617 = 99.
IF SC_AGE_YEARS < 1 DentCheck_1617 = 95.
VARIABLE LABELS DentCheck_1617 "Children who had dental check up visits during the past 12
months, age 1-17 years".
VALUE LABELS DentCheck_1617
1 "Yes, had dental check-up"
2 "Yes, had preventive care, but not dental check-up"
3 "No preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES DentCheck_1617(99,95).

COMPUTE DentCleaning_1617 = 999.
IF DENTALSERV2 = 1 DentCleaning_1617 =1.
IF DENTALSERV2 = 2 DentCleaning_1617 = 2.
IF DENTISTVISIT = 1 or K4Q30_R = 3 DentCleaning_1617 = 3.
IF DENTISTVISIT = 99 and DENTALSERV2 = 2 DentCleaning_1617 = 99.
IF K4Q30_R = 99 DentCleaning_1617 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and
DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentCleaning_1617 = 99.
IF SC_AGE_YEARS < 1 DentCleaning_1617 = 95.
VARIABLE LABELS DentCleaning_1617 "Children who had dental cleaning during the past 12 months,
age 1-17 years".
VALUE LABELS DentCleaning_1617
1 "Yes, had dental cleaning"
2 "Yes, had preventive care, but not dental cleaning"
3 "No preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES DentCleaning_1617(99,95).

COMPUTE DentInstruct_1617 =999.
IF DENTALSERV3 = 1 DentInstruct_1617 =1.
IF DENTALSERV3 = 2 DentInstruct_1617 = 2.
IF DENTISTVISIT = 1 or K4Q30_R = 3 DentInstruct_1617 = 3.
IF DENTISTVISIT = 99 and DENTALSERV3 = 2 DentInstruct_1617 = 99.
IF K4Q30_R = 99 DentInstruct_1617 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and
DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentInstruct_1617 = 99.
IF SC_AGE_YEARS < 1 DentInstruct_1617 = 95.
VARIABLE LABELS DentInstruct_1617 "Children who had dental instruction during the past 12 months,
age 1-17 years".
VALUE LABELS DentInstruct_1617
1 "Yes, had dental instruction"
2 "Yes, had preventive care, but not dental instruction"
3 "No preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES DentInstruct_1617(99,95).

COMPUTE DentXray_1617 = 999.
IF DENTALSERV4 = 1 DentXray_1617 =1.
IF DENTALSERV4 = 2 DentXray_1617 = 2.

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IF DENTISTVISIT = 1 or K4Q30_R = 3 DentXray_1617 = 3.
IF DENTISTVISIT = 99 and DENTALSERV4 = 2 DentXray_1617 = 99.
IF K4Q30_R = 99 DentXray_1617 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and
DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) DentXray_1617 = 99.
IF SC_AGE_YEARS < 1 DentXray_1617 = 95.
VARIABLE LABELS DentXray_1617 "Children who had dental X-ray during the past 12 months, age 1-17
years".
VALUE LABELS DentXray_1617
1 "Yes, had dental X-ray"
2 "Yes, had preventive care, but not dental X-ray"
3 "No preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES DentXray_1617(99,95).

COMPUTE fluoride_1617 =999.
IF DENTALSERV5 = 1 fluoride_1617 =1.
IF DENTALSERV5 = 2 fluoride_1617 = 2.
IF DENTISTVISIT = 1 or K4Q30_R = 3 fluoride_1617 = 3.
IF DENTISTVISIT = 99 and DENTALSERV5 = 2 fluoride_1617 = 99.
IF K4Q30_R = 99 fluoride_1617 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and
DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) fluoride_1617 = 99.
IF SC_AGE_YEARS < 1 fluoride_1617 = 95.
VARIABLE LABELS fluoride_1617 "Children who had fluoride treatment during the past 12 months, age
1-17 years".
VALUE LABELS fluoride_1617
1 "Yes, had dental fluoride treatment"
2 "Yes, had preventive care but not dental fluoride treatment"
3 "No preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES fluoride_1617(99,95).

COMPUTE sealant_1617 = 999.
IF DENTALSERV6 = 1 sealant_1617 =1.
IF DENTALSERV6 = 2 sealant_1617 = 2.
IF DENTISTVISIT = 1 or K4Q30_R = 3 sealant_1617 = 3.
IF DENTISTVISIT = 99 and DENTALSERV6 = 2 sealant_1617 = 99.
IF K4Q30_R = 99 sealant_1617 = 99.
IF DENTALSERV7=1 and (DENTALSERV1=2 and DENTALSERV2=2 and DENTALSERV3=2 and
DENTALSERV4=2 and DENTALSERV5=2 and DENTALSERV6=2) sealant_1617 = 99.
IF SC_AGE_YEARS < 1 sealant_1617 = 95.
VARIABLE LABELS sealant_1617 "Children who had sealant during the past 12 months, age 1-17
years".
VALUE LABELS sealant_1617
1 "Yes, had sealant"
2 "Yes, had preventive care, but not sealant"
3 "No preventive dental care"
99 "Missing/Don't know"
95 "Children age 0-1 year".
MISSING VALUES sealant_1617(99,95).

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Indicator 4.3	Received both preventive medical and dental care (MedDentCare_1617)
Description	During the past 12 months, did this child receive both routine preventive medical and dental care visits?
Survey Items Used	Survey instrument item number for children 0-5 years: C2,C1,C15,C16; for children 6-11 years: C1,C2,C13,C14; for children 12-17 years: C1,C2,C14,C15 Variables in public use data file: S4Q01; K4Q20R; K4Q30_R; DENTISTVISIT
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of the questions. For more information about the changes click here .	
SPSS Syntax and Annotation	
<pre> MISSING VALUES PrevMed_1617 PrevDent_1617(). COMPUTE MedDentCare_1617 = 999. IF PrevMed_1617 = 1 and (PrevDent_1617=1 or PrevDent_1617=95) MedDentCare_1617 = 1. IF PrevMed_1617 = 2 or PrevDent_1617 = 2 MedDentCare_1617 = 2. IF PrevMed_1617 = 99 or PrevDent_1617 = 99 MedDentCare_1617 = 99. VARIABLE LABELS MedDentCare_1617 "Indicator 4.3: Children who received both preventive medical and dental care visits in past 12 months". VALUE LABELS MedDentCare_1617 1 "Received both preventive care" 2 "Did not receive both preventive care" 99 "Missing to any". MISSING VALUES MedDentCare_1617(99). FORMATS MedDentCare_1617(f2.0). EXECUTE. </pre>	

Indicator 4.4	Received mental health care, age 3-17 years (MentHCare_1617)
Description	During the past 12 months, has this child received any treatment or counseling from a mental health professional?
Survey Items Used	Survey instrument item number for children 0-5 years: C18; for children 6-11 years: C16; for children 12-17 years: C17 Variable in public use data file: K4Q22_R
Denominator	Children age 3-17 years
Numerator/Responsible Categories	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
Notes for Data-Users	
This measure is derived from a single item which asks about whether the child received any treatment or counseling from a medical health professional.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, this question was asked among children 2-17 years, and the denominator of this measure was children age 2-17 who were found to have an emotional, developmental, or behavioral problem from the CSHCN Screener. The 2016 NSCH question was asked among all children 0-17 years, and the "No" response from the 2011/12 NSCH was broken into 2 responses in the 2016 NSCH: "No, but needed to see a mental health professional" and "No, did not need to see a mental health professional".	
SPSS Syntax and Annotation	
<pre> COMPUTE MentHCare_1617 = K4Q22_R. IF SC_AGE_YEARS < 3 MentHCare_1617 = 95. VARIABLE LABELS MentHCare_1617 "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_1617 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_1617(95,99). FORMATS MentHCare_1617(f2.0). EXECUTE. </pre>	

Indicator 4.4a	Problems obtaining mental health care, age 3-17 years (MentHProb_1617)
Description	How much of a problem was it to get the mental health treatment or counseling that this child needed?
Survey Items Used	Survey instrument item number for children 0-5 years: C19; for children 6-11 years: C17; for children 12-17 years: C18 Variable in public use data file: K4Q22_R; TREATNEED
Denominator	Children age 3-17 years who needed any mental health treatment or counseling
Numerator/Response Categories	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
Notes for Data-Users	
The denominator of this measure is based on the response to the question that 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.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE MentHProb_1617 = TREATNEED. IF K4Q22_R = 3 MentHProb_1617 = 95. IF K4Q22_R = 99 MentHProb_1617 = 99. IF SC_AGE_YEARS < 3 MentHProb_1617 = 96. VARIABLE LABELS MentHProb_1617 "Indicator 4.4a: Problems obtaining mental health care among those who received or needed care, age 3-17 years". VALUE LABELS MentHProb_1617 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_1617(95,96,99). FORMATS MentHProb_1617(f2.0). EXECUTE. </pre>	

Indicator 4.5	Received care from a specialist doctor (SpecCare_1617)
Description	During the past 12 months, did this child see a specialist other than a mental health professional?
Survey Items Used	Survey instrument item number for children 0-5 years: C21; for children 6-11 years: C19; for children 12-17 years: C20 Variable in public use data file: K4Q24_R
Denominator	Children age 0-17 years
Numerator/Response Categories	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;
Notes for Data-Users	
This measure is derived from a single item which asks whether the child received any treatment or counseling from a medical health professional (K4Q24_R).	
Revisions	
In 2017, this measure 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. The "No" response from the 2011/12 NSCH was broken into 2 responses in the 2016 NSCH: "No, but needed to see a specialist" and "No, did not need to see a specialist".	
SPSS Syntax and Annotation	
<pre> COMPUTE SpecCare_1617 = K4Q24_R. VARIABLE LABELS SpecCare_1617 "Indicator 4.5: Received care from a specialist doctor other than a mental health professional during the past 12 months". VALUE LABELS SpecCare_1617 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_1617(99). FORMATS SpecCare_1617(f2.0). EXECUTE. </pre>	

Indicator 4.5a	Problems obtaining specialist care (SpCareProb_1617)
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 that 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	
In 2017, this measure did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE SpCareProb_1617 = K4Q26. IF K4Q24_R = 3 SpCareProb_1617 = 95. IF K4Q24_R = 99 SpCareProb_1617 = 99. VARIABLE LABELS SpCareProb_1617 "Indicator 4.5a: Problem obtaining specialist care among those who received specialist care during the past 12 months". VALUE LABELS SpCareProb_1617 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_1617(95,99). FORMATS SpCareProb_1617(f2.0). EXECUTE. </pre>	

Indicator 4.6	Vision test (VisnTest_1617)
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
Notes for Data-Users	
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?"	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE VisnTest_1617 = K4Q31_R. VARIABLE LABELS VisnTest_1617 "Indicator 4.6: Children who received vision screening ever (0-5 years)/ during the past 2 years (6-17 years)". VALUE LABELS VisnTest_1617 1 "Received vision screening" 2 "Did not receive vision screening" 99 "Missing". MISSING VALUES VisnTest_1617(99). FORMATS VisnTest_1617(f4.0). EXECUTE. </pre>	

Indicator 4.7	Hospital emergency room visit (ERVisit_1617)
Description	During the past 12 months, how many times did this child visit a hospital emergency room?
Survey Items Used	Survey instrument item number for children 0-5 years: C28; for children 6-11 years: C26; for children 12-17 years: C27 Variable in public use data file: HOSPITALER
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who had no hospital emergency room visit; Children who had 1 hospital emergency room visit; Children who had 2 or more hospital emergency room visit
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. Response options for the measure did change from No visits, 1 visits, and 2 or more visits to Never, 1 time, and 2 or more times in the 2017 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. Prior to the 2016 NSCH, this question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). The 2009/10 NS-CSHCN asked parents to report the number of hospital emergency room visits during the past 12 months/since birth, and the response was reported as a continuous number. Response options were reported as categorical (No visit, 1 visit or 2 or more visits) in the 2016 NSCH. For more information about the change click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE ERVisit_1617 = HOSPITALER. VARIABLE LABELS ERVisit_1617 "Indicator 4.7: Number of hospital emergency room visits for any health reason in the past 12 months". VALUE LABELS ERVisit_1617 1 "Never" 2 "1 time" 3 "2 or more times" 99 "Missing". MISSING VALUES ERVisit_1617(99). FORMATS ERVisit_1617(f2.0). EXECUTE. </pre>	

Indicator 4.8	Alternative health care or treatment (AlterHC_1617)
Description	During the past 12 months, did this child use any type of alternative health care or treatment?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children used any type of alternative health care or treatment; Children did not use any type of alternative health care or treatment
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure 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. Prior to the 2016 NSCH, this question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were wording changes to this question in 2016. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE AlterHC_1617 = ALTHEALTH. VARIABLE LABELS AlterHC_1617 "Indicator 4.8: Use of alternative health care or treatment during the past 12 months". VALUE LABELS AlterHC_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES AlterHC_1617(99). FORMATS AlterHC_1617(f2.0). EXECUTE. </pre>	

Indicator 4.9	Doctor asked about parental concerns, age 0-5 years (DrAskConc_1617)
Description	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?
Survey Items Used	Survey instrument item number for children 0-5 years: C7 Variable in public use data file: K6Q10
Denominator	Children age 0-5 years who used a health service in the past 12 months
Numerator/Response Categories	Children who had doctor visit during which parents were asked about concerns; Children who had doctor visit, but parents were not asked about concerns
Notes for Data-Users	
This indicator measures the prevalence of developmental surveillance among young children. This survey item asks parents whether they were asked by a health professional about their concerns regarding their child's learning, development, or behavior. This question was asked among all children age 0-5 years, and the denominator of this measure is children age 0-5 years who received any of the four services: medical care, dental care, mental health care or a specialist care in the past 12 months.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE Ct1NumbSer_1617 = 0. IF S4Q01 = 1 Ct1NumbSer_1617 = Ct1NumbSer_1617 + 1. IF (K4Q30_R=1 or K4Q30_R=2) Ct1NumbSer_1617 = Ct1NumbSer_1617 + 1. IF K4Q22_R = 1 Ct1NumbSer_1617 = Ct1NumbSer_1617 + 1. IF K4Q24_R = 1 Ct1NumbSer_1617 = Ct1NumbSer_1617 + 1. IF S4Q01 = 99 and K4Q30_R = 99 and K4Q22_R = 99 and K4Q24_R = 99 Ct1NumbSer_1617 = 99. VARIABLE LABELS Ct1NumbSer_1617 "Count of number of services used, not including did not see but needed to see MH or specialist". VALUE LABELS Ct1NumbSer_1617 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_1617 = 2. IF Ct1NumbSer_1617 > 0 Num1Service_1617 = 1. IF S4Q01 = 99 and K4Q30_R = 99 and K4Q22_R = 99 and K4Q24_R = 99 Num1Service_1617 = 99. VARIABLE LABELS Num1Service_1617 "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_1617 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

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COMPUTE DrAskConc_1617 = K6Q10.  
IF Ct1NumbSer_1617 < 1 or Ct1NumbSer_1617 = 99 DrAskConc_1617=95.  
IF SC_AGE_YEARS > 5 DrAskConc_1617 = 90.  
VARIABLE LABELS DrAskConc_1617 "Indicator 4.9: Doctor asked about parental concerns about the  
child's learning, development, or behavior, age 0-5 years".  
VALUE LABELS DrAskConc_1617  
1 "Yes"  
2 "No"  
99 "Missing"  
95 "Did not use any of 4 services"  
90 "Children age 6-17 years".  
MISSING VALUES DrAskConc_1617(90,95,99).  
EXECUTE.
```

Indicator 4.10	Developmental screening, age 9-35 months (DevScrnnng_1617)
Description	Did this child receive a developmental screening using a parent-completed screening tool?
Survey Items Used	Survey instrument item number for children 0-5 years: C8 Variable in public use data file: K6Q12; K6Q13A; K6Q13B; K6Q14A; K6Q14B
Denominator	Children age 9-35 months
Numerator/Response Categories	Children whose parent completed standardized developmental screening tool; Children whose parent did not complete a standardized developmental screening tool
Notes for Data-Users	
<p>The AAP recommends that all children should be screened for developmental delays during their regular well-check visits at 9, 18, 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>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. In the 2011/12 NSCH, developmental screening questions were asked among children 10 months to 71 months (5 years) who received one or more types of services: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES>0). In the 2016 and 2017 NSCH, these questions were asked among children 9-71 months. However, the denominator of this measure changed to all children 9-35 months to align with the AAP/Bright Futures screening recommendations. For more information on content changes, click here.</p>	
SPSS Syntax and Annotation	
<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 > 1 and SC_AGE_YEARS < 6 both_9to23 = 95. IF SC_AGE_YEARS > 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" </pre>	

95 "Children age 0-8 months or 2-5 years"

90 "Children age 6-17 years".

EXECUTE.

COMPUTE both_24to35 = 999.

IF K6Q14A=2 or K6Q14B=2 both_24to35 = 2.

IF (K6Q14A = 1 or 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_1617 = 999.

IF both_9to23 = 1 or both_24to35 = 1 DevScrnng_1617 = 1.

IF K6Q12 = 2 DevScrnng_1617 = 2.

IF both_9to23 = 2 or both_24to35 = 2 DevScrnng_1617 = 2.

IF both_9to23 = 99 or both_24to35 = 99 DevScrnng_1617 = 99.

IF K6Q12 = 99 DevScrnng_1617 = 99.

IF SC_AGE_LT9 = 1 or (SC_AGE_YEARS>2 and SC_AGE_YEARS<6) DevScrnng_1617 = 95.

IF SC_AGE_YEARS > 5 DevScrnng_1617 = 90.

VARIABLE LABELS DevScrnng_1617 "Indicator 4.10: Children who received a developmental screening using a parent-completed screening tool, age 9-35 months".

VALUE LABELS DevScrnng_1617

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_1617(90,95,99).

EXECUTE.

Indicator 4.11	Special services for developmental needs (SpecServ_1617)
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
Notes for Data-Users	
N/A	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, this question was not asked if the child had never been diagnosed with ASD or a developmental delay. There were changes to the wording of this question in 2016. For more information about the changes click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE SpecServ_1617 = K4Q38. IF K4Q36 = 2 SpecServ_1617 = 2. IF K4Q36 = 99 SpecServ_1617 = 99. VARIABLE LABELS SpecServ_1617 "Indicator 4.11: Children currently receive special services to meet child's developmental needs such as speech, occupational or behavioral therapy". VALUE LABELS SpecServ_1617 1 "Currently receive special services" 2 "Do not currently receive special services" 99 "Missing". MISSING VALUES SpecServ_1617(99). FORMATS SpecServ_1617(f2.0). EXECUTE.</pre>	

Indicator 4.11a	Age started receiving special services for developmental needs (SpSerAge_1617)
Description	How old was this child, in years, when he or she began receiving special services?
Survey Items Used	Survey instrument item number for children 0-5 years: C33; for children 6-11 years: C31; for children 12-17 years: C32 Variable in public use data file: K4Q37
Denominator	Children age 0-17 years who ever received special services
Numerator/Response Categories	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
Notes for Data-Users	
This question was only asked among children who ever received special services to meet their developmental needs.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, this question was not asked if the child had never been diagnosed with ASD or developmental delay.	
SPSS Syntax and Annotation	
<pre> RECODE K4Q37 (0 thru 2=1) (3 thru 5=2) (6 thru 17=3) (99=99) into SpSerAge_1617. IF K4Q37 = 99 SpSerAge_1617 = 99. IF K4Q36 = 2 SpSerAge_1617 = 0. IF K4Q36 = 99 SpSerAge_1617 = 99. VARIABLE LABELS SpSerAge_1617 "Indicator 4.11a: Age start receiving special services to meet child's developmental needs such as speech, occupational or behavioral therapy". VALUE LABELS SpSerAge_1617 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_1617(0,99). FORMATS SpSerAge_1617(f2.0). EXECUTE. </pre>	

Indicator 4.12	Medical home (MedHome_1617)
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
Notes for Data-Users	
<p>The American Academy of Pediatrics specifies seven qualities essential to medical home care: accessible, family-centered, continuous, comprehensive, coordinated, compassionate and culturally effective care. Ideally, medical home care is delivered within the context of a trusting and collaborative relationship between the child's family and a competent health professional who is familiar with the child and family and the child's health history. In the 2016 and 2017 combined 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"> - Personal doctor or nurse (Indicator 4.12a: PerDrNs_1617) - Usual source for sick care (Indicator 4.12b: UsualSck_1617) - Family-centered care (Indicator 4.12c: FamCent_1617) - Problems getting needed referrals (Indicator 4.12d: NoRefPrb_1617) - Effective Care Coordination when needed. (Indicator 4.12e: CareCoor_1617) <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 at the CAHMI website. The medical home manual developed by the CAHMI is available here.</p>	
Revisions	
<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. In the 2016 NSCH, there are a few changes to the Medical Home composite measure compared to the 2011/12 NSCH:</p> <p>(1) Usual source for care subcomponent: Even though the 2016 and 2017 NSCH now ask about a usual source for preventive care, this subcomponent still only includes the usual source for sick care items. Additionally, in the 2016 and 2017 NSCH, the response options for the follow up item about the type of</p>	

places child usually goes for sick care do not include "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".

(2) Care coordination subcomponent: In the 2011/12 NSCH, the care coordination component was measured among all children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES>1). In the 2016 and 2017 NSCH, the number of children who needed care coordination was defined based on the parent's response to the question: "Does anyone help you to arrange or coordinate care among different doctors or services that this child uses?" If the parent responded, "Did not see more than one health care provider in past 12 months" to the question (K5Q20_R), it was assumed the child did not need care coordination.

(3) In the 2011/12 NSCH, when any component of medical home was missing, the entire composite medical home measure was considered missing. In the NSCH 2016 and 2017, the composite medical home measure is only considered missing if all components are missing. Therefore, children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home. For more information on content changes, [click here](#).

SPSS Syntax and Annotation

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

```
COMPUTE PerDrNs_1617 = 999.
IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_1617 = 1.
IF K4Q04_R = 3 PerDrNs_1617 = 2.
IF K4Q04_R=99 PerDrNs_1617 = 99.
VARIABLE LABELS PerDrNs_1617 "Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse".
VALUE LABELS PerDrNs_1617
1 "Yes, have at least one personal doctor or nurse"
2 "Do not have a personal doctor or nurse"
99 "Missing".
MISSING VALUES PerDrNs_1617(99).
FORMATS PerDrNs_1617(f4.0).
```

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

```
COMPUTE UsualSck_1617 = 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_1617 = 1.
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_1617 = 2.
IF K4Q01=99 or K4Q02_R=99 UsualSck_1617 = 99.
VARIABLE LABELS UsualSck_1617 "indicator 4.12b: Usual sources for sick care".
VALUE LABELS UsualSck_1617
1 "Have usual sources for sick care"
2 "Do not have usual sources for sick care"
99 "Missing".
MISSING VALUES UsualSck_1617(99).
```

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

```
COMPUTE time_1617 = 999.
IF S4Q01 = 2 time_1617 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_1617 = 3.
IF K5Q40 = 2 time_1617 = 2.
IF K5Q40 = 1 time_1617 = 1.
IF K5Q40 = 99 time_1617 = 99.
VARIABLE LABELS time_1617 "Doctors spent enough time with children".
```

```

VALUE LABELS time_1617
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_1617(99).

COMPUTE listen_1617 = 999.
IF S4Q01 = 2 listen_1617 = 0.
IF K5Q41 = 3 or K5Q41 = 4 listen_1617 = 3.
IF K5Q41 = 2 listen_1617 = 2.
IF K5Q41 = 1 listen_1617 = 1.
IF K5Q41 = 99 listen_1617 = 99.
VARIABLE LABELS listen_1617 "Doctors listened carefully to children's parents".
VALUE LABELS listen_1617
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_1617(99).

COMPUTE sensitiv_1617 = 999.
IF S4Q01 = 2 sensitiv_1617 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_1617 = 3.
IF K5Q42 = 2 sensitiv_1617 = 2.
IF K5Q42 = 1 sensitiv_1617 = 1.
IF K5Q42 = 99 sensitiv_1617 = 99.
VARIABLE LABELS sensitiv_1617 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_1617
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_1617(99).

COMPUTE info_1617 = 999.
IF S4Q01 = 2 info_1617 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_1617 = 3.
IF K5Q43 = 2 info_1617 = 2.
IF K5Q43 = 1 info_1617 = 1.
IF K5Q43 = 99 info_1617 = 99.
VARIABLE LABELS info_1617 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_1617
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_1617(99).

COMPUTE partner_1617 = 999.
IF S4Q01 = 2 partner_1617 = 0.
IF K5Q44 = 3 or K5Q44 = 4 partner_1617 = 3.
IF K5Q44 = 2 partner_1617 = 2.

```

```

IF K5Q44 = 1 partner_1617 = 1.
IF K5Q44 = 99 partner_1617 = 99.
VARIABLE LABELS partner_1617 "Doctors helped parents to feel like partners in child's care".
VALUE LABELS partner_1617
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_1617(99).

COMPUTE FamCent_1617 = 999.
IF (time_1617 = 3 or time_1617=99) or (listen_1617 = 3 or listen_1617 =99) or (sensitiv_1617 = 3 or
sensitiv_1617=99) or (info_1617 = 3 or info_1617=99) or
(partner_1617 = 3 or partner_1617=99) FamCent_1617 = 2.
IF (time_1617=1 or time_1617=2 or time_1617=99) and (listen_1617=1 or listen_1617=2 or listen_1617=99)
and (sensitiv_1617=1 or sensitiv_1617=2 or sensitiv_1617=99) and
(info_1617=1 or info_1617=2 or info_1617=99) and (partner_1617=1 or partner_1617=2 or
partner_1617=99) FamCent_1617 = 1.
IF time_1617 = 0 FamCent_1617 = 0.
IF time_1617 = 99 and listen_1617 = 99 and sensitiv_1617 = 99 and info_1617 = 99 and partner_1617 = 99
FamCent_1617 = 99.
VARIABLE LABELS FamCent_1617 "Indicator 4.12c: Medical Home Component: Family-centered care".
VALUE LABELS FamCent_1617
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_1617(0,99)

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

RECODE K5Q11
(else=copy) into NoRefPrb_1617.
IF K5Q10=99 NoRefPrb_1617 = 99.
IF K5Q10 = 2 NoRefPrb_1617 = 0.
VARIABLE LABELS NoRefPrb_1617 "Indicator 4.12d: Medical Home Component: Problems getting needed
referrals, all children".
VALUE LABELS NoRefPrb_1617
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_1617(99).

***Indicator 4.12e: Medical Home Component: Effective care coordination, all children

COMPUTE DrComm_1617 = 999.
IF K5Q30 = 1 DrComm_1617 = 1.
IF K5Q30 = 2 DrComm_1617 = 2.
IF K5Q30 = 3 or K5Q30 = 4 DrComm_1617 = 3.
IF K5Q30 = 99 DrComm_1617 = 99.
IF K5Q20_R = 3 or S4Q01 = 2 DrComm_1617 = 0.
VARIABLE LABELS DrComm_1617 "Satisfaction with communication among child's doctor and other health
care provider".
VALUE LABELS DrComm_1617

```

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_1617().

COMPUTE CareHelp_1617 = 999.
 IF K5Q22 = 1 CareHelp_1617 = 1.
 IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_1617 = 1.
 IF K5Q22 = 2 or K5Q22 = 3 CareHelp_1617 = 2.
 IF K5Q21 = 99 or K5Q22 = 99 CareHelp_1617 = 99.
 IF K5Q20_R = 99 CareHelp_1617 = 99.
 IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_1617 = 0.
 IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_1617 = 0.
 IF S4Q01 = 99 CareHelp_1617 = 99.
 VARIABLE LABELS CareHelp_1617 "Got all needed extra help with care coordination when needed".
 VALUE LABELS CareHelp_1617
 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_1617 = 999.
 IF S4Q01 = 2 or K5Q31_R = 2 or K5Q31_R = 3 OthComm_1617 = 0.
 IF K5Q32 = 1 OthComm_1617 = 1.
 IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm_1617 = 2.
 IF K5Q32 = 99 OthComm_1617 = 99.
 IF K5Q31_R = 99 OthComm_1617 = 99.
 VARIABLE LABELS OthComm_1617 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".
 VALUE LABELS OthComm_1617
 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_1617 DrComm_1617 OthComm_1617().

*** Indicator 4.12e: Medical Home Component: Effective care coordination, all children

COMPUTE CareCoor_1617 = 999.
 IF (CareHelp_1617 = 2 or CareHelp_1617=99) or (DrComm_1617 = 2 or DrComm_1617 = 3 or DrComm_1617=99) or (OthComm_1617 = 2 or OthComm_1617=99) CareCoor_1617 = 2.
 IF (CareHelp_1617 = 0 or CareHelp_1617 = 1 or CareHelp_1617=99) and (DrComm_1617=0 or DrComm_1617 =1 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 1 or OthComm_1617=99) CareCoor_1617 = 1.
 IF (CareHelp_1617 = 0 or CareHelp_1617=99) and (DrComm_1617 = 0 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 99) CareCoor_1617 = 0.
 IF CareHelp_1617 = 99 and DrComm_1617 = 99 and OthComm_1617 = 99 CareCoor_1617 = 99.
 VARIABLE LABELS CareCoor_1617 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".
 VALUE LABELS CareCoor_1617
 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_1617(99).

***Medical Home

COMPUTE MedHome_1617 = 999.

IF (PerDrNs_1617 = 1 or PerDrNs_1617=99) and (UsualSck_1617 = 1 or UsualSck_1617=99) and
(NoRefPrb_1617=1 or NoRefPrb_1617 =0 or NoRefPrb_1617=99) and

(FamCent_1617=1 or FamCent_1617=0 or FamCent_1617=99) and (CareCoor_1617=1 or
CareCoor_1617=0 or CareCoor_1617=99) MedHome_1617 = 1.

IF PerDrNs_1617 = 2 or UsualSck_1617 = 2 or (NoRefPrb_1617 = 2 or NoRefPrb_1617=3) or
FamCent_1617 = 2 or CareCoor_1617 = 2 MedHome_1617 = 2.

IF PerDrNs_1617 = 99 and UsualSck_1617 = 99 and (FamCent_1617 = 99 or FamCent_1617 = 0) and
(NoRefPrb_1617 = 99 or NoRefPrb_1617=0) and (CareCoor_1617 = 99 or CareCoor_1617 = 0)
MedHome_1617 = 99.

VARIABLE LABELS MedHome_1617 "Indicator 4.12: Children receiving coordinated, ongoing,
comprehensive care within a medical home".

VALUE LABELS MedHome_1617

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to all".

MISSING VALUES MedHome_1617(99).

Indicator 4.12a	Personal doctor or nurse (PerDrNs_1617)
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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE PerDrNs_1617 = 999. IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_1617 = 1. IF K4Q04_R = 3 PerDrNs_1617 = 2. IF K4Q04_R=99 PerDrNs_1617 = 99. VARIABLE LABELS PerDrNs_1617 "Indicator 4.12a: Medical Home Component: Children with a personal doctor or nurse". VALUE LABELS PerDrNs_1617 1 "Yes, have at least one personal doctor or nurse" 2 "Do not have a personal doctor or nurse" 99 "Missing". MISSING VALUES PerDrNs_1617(99). FORMATS PerDrNs_1617(f4.0). </pre>	

Indicator 4.12b	Usual source for sick care (UsualSck_1617)
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
Notes for Data-Users	
<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>	
Revisions	
<p>In 2017, the content of this measure did not change from the 2016 NSCH. The stem question for K4Q02_R changed to ask places child usually goes "first" when the child is sick in the 2017 NSCH.</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. In 2016, response options for K4Q01 changed from "Yes", "No", and "There is more than one place" to "Yes" and "No". In addition, response options for the follow-up item which asks about the type of places the child usually goes for sick care (K4Q02_R) no longer includes the response options, "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE UsualSck_1617 = 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_1617 = 1. IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_1617 = 2. IF K4Q01=99 or K4Q02_R=99 UsualSck_1617 = 99. VARIABLE LABELS UsualSck_1617 "Indicator 4.12b: Usual sources for sick care". VALUE LABELS UsualSck_1617 1 "Have usual sources for sick care" 2 "Do not have usual sources for sick care" 99 "Missing". MISSING VALUES UsualSck_1617(99). </pre>	

Indicator 4.12c	Family-centered care (FamCent_1617)
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
Notes for Data-Users	
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.	
Revisions	
In 2017, the content of this measure did not change from the 2016 NSCH. The question changed to ask places child usually goes "first" when the child is sick in the 2017 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. In the NSCH 2011/12, the composite family-centered care measure was considered missing if any item has missing data. In the 2016, the measure is only considered missing if all items are missing.	
SPSS Syntax and Annotation	
<pre> COMPUTE time_1617 = 999. IF S4Q01 = 2 time_1617 = 0. IF K5Q40 = 3 or K5Q40 = 4 time_1617 = 3. IF K5Q40 = 2 time_1617 = 2. IF K5Q40 = 1 time_1617 = 1. IF K5Q40 = 99 time_1617 = 99. VARIABLE LABELS time_1617 "Doctors spent enough time with children". VALUE LABELS time_1617 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_1617(99). COMPUTE listen_1617 = 999. IF S4Q01 = 2 listen_1617 = 0. </pre>	

```

IF K5Q41 =3 or K5Q41 = 4 listen_1617 = 3.
IF K5Q41 = 2 listen_1617 = 2.
IF K5Q41 = 1 listen_1617 = 1.
IF K5Q41 = 99 listen_1617 = 99.
VARIABLE LABELS listen_1617 "Doctors listened carefully to children's parents".
VALUE LABELS listen_1617
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_1617(99).

COMPUTE sensitiv_1617 = 999.
IF S4Q01 = 2 sensitiv_1617 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_1617 = 3.
IF K5Q42 = 2 sensitiv_1617 = 2.
IF K5Q42 = 1 sensitiv_1617 = 1.
IF K5Q42 = 99 sensitiv_1617 = 99.
VARIABLE LABELS sensitiv_1617 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_1617
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_1617(99).

COMPUTE info_1617 = 999.
IF S4Q01 = 2 info_1617 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_1617 = 3.
IF K5Q43 = 2 info_1617 = 2.
IF K5Q43 = 1 info_1617 = 1.
IF K5Q43 = 99 info_1617 = 99.
VARIABLE LABELS info_1617 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_1617
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_1617(99).

COMPUTE partner_1617 = 999.
IF S4Q01 = 2 partner_1617 = 0.
IF K5Q44 = 3 or K5Q44 = 4 partner_1617 = 3.
IF K5Q44 = 2 partner_1617 = 2.
IF K5Q44 = 1 partner_1617 = 1.
IF K5Q44 = 99 partner_1617 = 99.
VARIABLE LABELS partner_1617 "Doctors helped parents to feel like partners in child's care".
VALUE LABELS partner_1617
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_1617(99).

```

```
COMPUTE FamCent_1617 = 999.  
IF (time_1617 = 3 or time_1617=99) or (listen_1617 = 3 or listen_1617 =99) or (sensitiv_1617 = 3 or  
sensitiv_1617=99) or (info_1617 = 3 or info_1617=99) or  
(partner_1617 = 3 or partner_1617=99) FamCent_1617 = 2.  
IF (time_1617=1 or time_1617=2 or time_1617=99) and (listen_1617=1 or listen_1617=2 or  
listen_1617=99) and (sensitiv_1617=1 or sensitiv_1617=2 or sensitiv_1617=99) and  
(info_1617=1 or info_1617=2 or info_1617=99) and (partner_1617=1 or partner_1617=2 or  
partner_1617=99) FamCent_1617 = 1.  
IF time_1617 = 0 FamCent_1617 = 0.  
IF time_1617 = 99 and listen_1617 = 99 and sensitiv_1617 = 99 and info_1617 = 99 and partner_1617 =  
99 FamCent_1617 = 99.  
VARIABLE LABELS FamCent_1617 "Indicator 4.12c: Medical Home Component: Family-centered care".  
VALUE LABELS FamCent_1617  
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_1617(0,99).
```

Indicator 4.12d	Problems getting referrals (NoRefPrb_1617)
Description	During the past 12 months, did this child have problems to get referrals to see any doctors or receive any services?
Survey Items Used	Survey instrument item number for children 0-5 years: D2,D3; for children 6-11 years: D2,D3; for children 12-17 years: D2,D3 Variable in public use data file: K5Q10; K5Q11
Denominator	Children age 0-17 years
Numerator/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
Notes for Data-Users	
This measure is one of the five components of the composite Medical Home measure, and was derived based on K5Q10 - "needed referral to doctors or health services during the past 12 months" and K5Q11 – "how much of a problem was it to get the referral?". Those who needed referrals ("Yes" to K5Q10=1) were coded according to whether they had "no problems" (K5Q11=1), a "big" problem (K5Q11=2), or a "small" problem getting them (K5Q11=3). Children whose response for K5Q10 was "No" (K5Q10=2) were coded as not needing referrals.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE NoRefPrb_1617 = K5Q11. IF K5Q10=99 NoRefPrb_1617 = 99. IF K5Q10 = 2 NoRefPrb_1617 = 0. VARIABLE LABELS NoRefPrb_1617 "Indicator 4.12d: Medical Home Component: Problems getting needed referrals, all children". VALUE LABELS NoRefPrb_1617 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_1617(99). </pre>	

Indicator 4.12e	Effective care coordination (CareCoor_1617)
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
Notes for Data-Users	
<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>	
Revisions	
<p>In 2017, the content of this measure did not change from the 2016 NSCH. In 2017, the skip pattern changed so that it no longer instructs respondents to skip the follow-up questions if the response to the question "Does anyone help you arrange or coordinate this child's care among the different doctors or services that this child uses?" is "Did not see more than one health care provider in the past 12 months".</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. In the 2011/12 NSCH, this question was asked among children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care that was set in the survey instrument programming (NUMB_SERVICES>1). In the 2016 NSCH, this question was asked among all children who had a health care visit during the past 12 months, and included a response option: "Did not see more than one health care provider in past 12 months". The follow-up questions K5Q21, K5Q22, and K5Q30 were asked if responses to K5Q20_R were "Yes" or "No" (K5Q20_R=1 or K5Q20_R=2) indicating that they saw more than one health care provider.</p> <p>In the NSCH 2011/12, the composite care coordination measure was considered missing if any component has missing data. In the 2016, the measure is only considered missing if all components are missing.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE DrComm_1617 = 999. IF K5Q30 = 1 DrComm_1617 = 1. IF K5Q30 = 2 DrComm_1617 = 2. IF K5Q30 = 3 or K5Q30 = 4 DrComm_1617 = 3. IF K5Q30 = 99 DrComm_1617 = 99. IF K5Q20_R = 3 or S4Q01 = 2 DrComm_1617 = 0. VARIABLE LABELS DrComm_1617 "Satisfaction with communication among child's doctor and other </pre>	

health care provider".

VALUE LABELS DrComm_1617

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_1617().

COMPUTE CareHelp_1617 = 999.

IF K5Q22 = 1 CareHelp_1617 = 1.

IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_1617 = 1.

IF K5Q22 = 2 or K5Q22 = 3 CareHelp_1617 = 2.

IF K5Q21 = 99 or K5Q22 = 99 CareHelp_1617 = 99.

IF K5Q20_R = 99 CareHelp_1617 = 99.

IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_1617 = 0.

IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_1617 = 0.

IF S4Q01 = 99 CareHelp_1617 = 99.

VARIABLE LABELS CareHelp_1617 "Got all needed extra help with care coordination when needed".

VALUE LABELS CareHelp_1617

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_1617 = 999.

IF S4Q01 = 2 or K5Q31_R = 2 or K5Q31_R = 3 OthComm_1617 = 0.

IF K5Q32 = 1 OthComm_1617 = 1.

IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm_1617 = 2.

IF K5Q32 = 99 OthComm_1617 = 99.

IF K5Q31_R = 99 OthComm_1617 = 99.

VARIABLE LABELS OthComm_1617 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".

VALUE LABELS OthComm_1617

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".

COMPUTE CareCoor_1617 = 999.

IF (CareHelp_1617 = 2 or CareHelp_1617=99) or (DrComm_1617 = 2 or DrComm_1617 = 3 or DrComm_1617=99) or (OthComm_1617 = 2 or OthComm_1617=99) CareCoor_1617 = 2.

IF (CareHelp_1617 = 0 or CareHelp_1617 = 1 or CareHelp_1617=99) and (DrComm_1617=0 or DrComm_1617 =1 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 1 or OthComm_1617=99) CareCoor_1617 = 1.

IF (CareHelp_1617 = 0 or CareHelp_1617=99) and (DrComm_1617 = 0 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 99) CareCoor_1617 = 0.

IF CareHelp_1617 = 99 and DrComm_1617 = 99 and OthComm_1617 = 99 CareCoor_1617 = 99.

VARIABLE LABELS CareCoor_1617 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".

VALUE LABELS CareCoor_1617

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_1617(99).

Indicator 4.14	Shared decision-making (ShareDec_1617)
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 decisions needed
Notes for Data-Users	
<p>This measure is based on whether the child has a family who usually or always feels that doctors or other health care providers: 1) discuss with parents a range of options to consider for their child's health care or treatment; 2) make it easy to raise concerns or disagree with recommendations for the child's health; and 3) work together to decide health care and treatment choices would be best for the child. Children with a valid, positive response (usually or always) to at least one component and the remainder of the components were missing are categorized as families feel that they are partners in decision making.</p> <p>The question was asked only if child had a health care visit in the past 12 months and whether decisions about child's health care services or treatment were needed.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. Prior to the 2016 NSCH, this measure was available in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). The items used to develop this measure were revised substantially between 2009/10 NS-CSHCN and the 2016 NSCH. In the 2016 NSCH, a filter question asked whether any decisions were needed about the child's health care services during the past 12 months. Then, they were asked questions to assess if they felt like a partner in the decision making. For more information about the changes click here.</p> <p>In the NSCH 2011/12, the composite shared decision-making measure was considered missing if any component has missing data. In the 2016, the measure is only considered missing if all components are missing.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE DiscussOpt_1617 = 999. IF DECISIONS = 2 DiscussOpt_1617 = 0. IF DISCUSSOPT = 1 DiscussOpt_1617 = 1. IF DISCUSSOPT = 2 DiscussOpt_1617 = 2. IF DISCUSSOPT = 3 or DISCUSSOPT = 4 DiscussOpt_1617 = 3. IF DISCUSSOPT = 99 DiscussOpt_1617 = 99. IF S4Q01=2 DiscussOpt_1617 = 95. VARIABLE LABELS DiscussOpt_1617 "Doctors discussed range of health care/treatment options". </pre>	

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VALUE LABELS DiscussOpt_1617
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES DiscussOpt_1617(0,95,99).
FORMATS DiscussOpt_1617(f2.0).
EXECUTE.

COMPUTE RaiseConc_1617 = 999.
IF DECISIONS = 2 RaiseConc_1617 = 0.
IF RAISECONC = 1 RaiseConc_1617 = 1.
IF RAISECONC = 2 RaiseConc_1617 = 2.
IF RAISECONC = 3 or RAISECONC = 4 RaiseConc_1617 = 3.
IF RAISECONC = 99 RaiseConc_1617 = 99.
IF S4Q01 = 2 RaiseConc_1617 = 95.
VARIABLE LABELS RaiseConc_1617 "Doctors made it easy for parents to raise concerns or disagree with recommendations".
VALUE LABELS RaiseConc_1617
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES RaiseConc_1617(0,95,99).
FORMATS RaiseConc_1617(f2.0).
EXECUTE.

COMPUTE BestChoice_1617 = 999.
IF DECISIONS = 2 BestChoice_1617 = 0.
IF BESTFORCHILD=1 BestChoice_1617 = 1.
IF BESTFORCHILD=2 BestChoice_1617 = 2.
IF BESTFORCHILD=3 or BESTFORCHILD=4 BestChoice_1617 = 3.
IF BESTFORCHILD = 99 BestChoice_1617 = 99.
IF S4Q01 = 2 BestChoice_1617 = 95.
VARIABLE LABELS BestChoice_1617 "Doctors worked with parents to decide together health care/treatment options".
VALUE LABELS BestChoice_1617
0 "No decisions needed"
1 "Always"
2 "Usually"
3 "Never/Sometimes"
99 "Missing"
95 "Did not have a health care visit".
MISSING VALUES BestChoice_1617(0,95,99).
FORMATS BestChoice_1617(f2.0).
EXECUTE.

MISSING VALUES DiscussOpt_1617 RaiseConc_1617 BestChoice_1617().

COMPUTE ShareDec_1617 = 999.
IF (DiscussOpt_1617 = 3 or DiscussOpt_1617=99) or (RaiseConc_1617 = 3 or RaiseConc_1617=99) or
(BestChoice_1617 = 3 or BestChoice_1617 = 99) ShareDec_1617 = 2.
IF (DiscussOpt_1617 = 1 or DiscussOpt_1617= 2 or DiscussOpt_1617=99) and (RaiseConc_1617 = 1 or

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RaiseConc_1617 = 2 or RaiseConc_1617=99) and  
(BestChoice_1617 = 1 or BestChoice_1617 = 2 or BestChoice_1617=99) ShareDec_1617 = 1.  
IF DiscussOpt_1617 = 99 and RaiseConc_1617 = 99 and BestChoice_1617 = 99 ShareDec_1617 = 99.  
IF DECISIONS = 2 or S4Q01=2 ShareDec_1617 = 0.  
VARIABLE LABELS ShareDec_1617 "Indicator 4.14: Children whose families are partners in shared  
decision-making for their optimal health".  
VALUE LABELS ShareDec_1617  
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_1617(95,99).  
FORMATS ShareDec_1617(f2.0).  
EXECUTE.
```

Indicator 4.15	Transition to adult health care, age 12-17 years (Transition_1617)
Description	Did this child receive services needed for transition to adult health care?
Survey Items Used	Survey instrument item number for children 12-17 years: C4; D13, D14, D15c,d Variable in public use data file: DOCPRIVATE; K4Q20R; S4Q01; CHANGEAGE; GAINSKILLS; TREATCHILD; TREATADULT; SC_AGE_YEARS
Denominator	Youth age 12-17 years
Numerator/Response Categories	Youth 12-17 whose families report that they received the services necessary to transition to adult health care; Youth 12-17 whose families report that they did not receive the services necessary to transition to adult health care
Notes for Data-Users	
In order to meet the criteria for this measure, youth 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 in the 2016 and 2017 NSCH scoring of this measure. Respondents with "missing" to all items were set to missing.	
Revisions	
In 2017, this measure 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. Prior to the 2016 NSCH, this measure was included in the 2009/10 NS-CSHCN, but it was substantially different than the measure in the 2016 NSCH. New items were added to the measure for the 2016 NSCH, including: doctor spoke with the child privately; doctor worked with the child about gaining skills to manage their health and health care; and doctor worked with the child to help them understand their healthcare changes. For more information on content changes, click here .	
SPSS Syntax and Annotation	
<p>*Transition Part A: Time alone with health care provider*</p> <pre> COMPUTE TimeAlone_1617 = 999. IF DOCPRIVATE = 1 TimeAlone_1617 = 1. IF DOCPRIVATE = 2 TimeAlone_1617 = 2. IF DOCPRIVATE = 99 TimeAlone_1617 = 99. IF K4Q20R = 1 TimeAlone_1617 = 2. IF S4Q01 =99 or K4Q20R = 99 TimeAlone_1617 = 99. IF S4Q01 = 2 TimeAlone_1617 = 2. IF SC_AGE_YEARS < 12 TimeAlone_1617 = 90. VARIABLE LABELS TimeAlone_1617 "Children who had time alone with health care provider at last check-up, age 12-17 years". VALUE LABELS TimeAlone_1617 1 "Had time alone with provider" 2 "Did not have time alone with provider/Did not have preventive check-up" </pre>	

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99 "Missing"
90 "Children age 0-11 years".
MISSING VALUES TimeAlone_1617().
FORMATS TimeAlone_1617(f2.0).
EXECUTE.

```

Transition Part B: Active work with child

```

COMPUTE ActiveWork_1617 = 2.
IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork_1617 = 1.
IF (CHANGEAGE = 3 or CHANGEAGE = 99) and (GAINSKILLS =3 or GAINSKILLS = 99)
ActiveWork_1617 = 99.
IF SC_AGE_YEARS < 12 ActiveWork_1617 = 90.
VARIABLE LABELS ActiveWork_1617 "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_1617
1 "Met the criteria"
2 "Did not met criteria"
99 "Missing/Don't know"
90 "Children age 0-11 years".
MISSING VALUES ActiveWork_1617().
FORMATS ActiveWork_1617(f2.0).
EXECUTE.

```

Transition Part C: Anticipatory guidance

```

COMPUTE TrtAdult_1617 = 999.
IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult_1617 = 1.
IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult_1617 = 2.
IF TREATCHILD = 99 or TREATADULT = 99 TrtAdult_1617 = 99.
IF TREATCHILD = 2 TrtAdult_1617 = 95.
IF SC_AGE_YEARS < 12 TrtAdult_1617 = 90.
VARIABLE LABELS TrtAdult_1617 "Provider discussed shift to adult health care providers if needed, age
12-17 years".
VALUE LABELS TrtAdult_1617
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_1617().
FORMATS TrtAdult_1617(f2.0).
EXECUTE.

```

**Transition to adult health care

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COMPUTE Transition_1617 = 999.
IF (TimeAlone_1617 = 1 or TimeAlone_1617 =99) or (ActiveWork_1617 = 1 or ActiveWork_1617 =99) or
(TrtAdult_1617 = 1 or TrtAdult_1617=95 or TrtAdult_1617=99) Transition_1617 = 1.
IF TimeAlone_1617 = 2 or ActiveWork_1617 = 2 or TrtAdult_1617 = 2 Transition_1617 = 2.
IF TimeAlone_1617 = 99 and ActiveWork_1617 = 99 and TrtAdult_1617 = 99 Transition_1617 = 99.
IF SC_AGE_YEARS < 12 Transition_1617 = 90.
VARIABLE LABELS Transition_1617 "Indicator 4.15: Adolescents who received services necessary to
make planning transitions to adult health care".
VALUE LABELS Transition_1617
1 "Received services necessary for transition to adult health care"
2 "Did not receive services necessary for transition to adult health care"

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99 "Missing to all"
90 "Children age 0-11 years".
MISSING VALUES Transition_1617(90,99).
FORMATS Transition_1617(f2.0).
EXECUTE.

Indicator 4.17	Systems of care (SystCare2_1617)
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 CSHCN age 0-11 years, and six age-relevant core measures for CSHCN age 12-17 years. Those five measures for CSHCN 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.</p> <p>If a child has at least one valid positive response to any of these measures and the remainder of the components were missing or legitimately skipped, this child was categorized as receiving care in a well-functioning system in the 2016 scoring of this measure. Respondents with "missing" to all items were set to missing.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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> <p>Prior to the 2016 NSCH, the measures which comprise this overall system measure were included in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). In 2016, the systems of care measure changed, due to changes in the transition to adult healthcare measure (see NPM 12), the medical home measure (see NPM 11), and the adequacy of insurance measure (see NPM 15).</p> <p>Additionally, in the 2009/10 NS-CSHCN, the "family feels like a partner in their child's care" measure was based on all respondents answering "usually" or "always" to 4 items on partnering with their child's providers. For more information on content changes, click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE insurance_1617 = 1. IF (InsGap_1617 = 1 or InsGap_1617 = 99) and (InsAdeq_1617 = 1 or InsAdeq_1617 =99) insurance_1617 = 1. IF CurrIns_1617 = 2 or InsGap_1617 = 2 or InsAdeq_1617 = 2 insurance_1617 = 2. IF InsGap_1617 = 99 and InsAdeq_1617 = 99 insurance_1617 = 99. VARIABLE LABELS insurance_1617 "Children who have adequate insurance and were covered entire year". VALUE LABELS insurance_1617 1 "Have adequate insurance covered entire year" 2 "Do not have adequate insurance" 99 "Missing to both". MISSING VALUES insurance_1617 (). FORMATS insurance_1617 (f2.0). MISSING VALUES CurrIns_1617 InsGap_1617(99). </pre>	

MISSING VALUES InsAdeq_1617(95,99).

MISSING VALUES PrevMed_1617 PrevDent_1617().

COMPUTE MedDentSyst_1617 = 999.

IF (PrevMed_1617 = 1 or PrevMed_1617 = 99) and (PrevDent_1617=1 or PrevDent_1617=95 or PrevDent_1617=99) MedDentSyst_1617 = 1.

IF PrevMed_1617 = 2 or PrevDent_1617 = 2 MedDentSyst_1617 = 2.

IF PrevMed_1617 = 99 and (PrevDent_1617 = 99 or PrevDent_1617=95) MedDentSyst_1617 = 99.

VARIABLE LABELS MedDentSyst_1617 "Indicator 4.3: Children received both preventive medical and dental care visits in past 12 months".

VALUE LABELS MedDentSyst_1617

1 "Received preventive medical and dental care"

2 "Did not receive preventive medical and dental care"

99 "Missing to both".

MISSING VALUES PrevMed_1617(99).

MISSING VALUES PrevDent_1617(95,99).

COMPUTE UnmetFrust_1617 = 999.

IF (K4Q27 = 2 or K4Q27 =99) and (C4Q04 = 1 or C4Q04 = 2 or C4Q04 =99) UnmetFrust_1617 = 1.

IF K4Q27 = 1 or (C4Q04 = 3 or C4Q04 = 4) UnmetFrust_1617 = 2.

IF K4Q27 = 99 and C4Q04 = 99 UnmetFrust_1617 = 99.

VARIABLE LABELS UnmetFrust_1617 "Children whose parents had difficulties in accessing care and always or usually frustrated in effort getting services for their children".

VALUE LABELS UnmetFrust_1617

1 "No unmet need and frustration"

2 "Experienced unmet need and frustration (usually/alway frustrated)"

99 "Missing".

MISSING VALUES ShareDec_1617 MedHome_1617 Insurance_1617 MedDentSyst_1617

UnmetFrust_1617 Transition_1617().

COMPUTE sys0to11care2_1617 = 999.

IF (ShareDec_1617 = 0 or ShareDec_1617 = 1 or ShareDec_1617=99) and (MedHome_1617 = 1 or MedHome_1617 = 99) and (Insurance_1617 = 1 or Insurance_1617 = 99) and (MedDentSyst_1617 = 1 or MedDentSyst_1617=99) and (UnmetFrust_1617 = 1 or UnmetFrust_1617=99) sys0to11care2_1617 = 1.

IF ShareDec_1617=2 or MedHome_1617 = 2 or Insurance_1617 = 2 or MedDentSyst_1617 = 2 or UnmetFrust_1617 = 2 sys0to11care2_1617 =2.

IF (ShareDec_1617=0 or ShareDec_1617=99) and MedHome_1617 = 99 and Insurance_1617 = 99 and MedDentSyst_1617 = 99 and UnmetFrust_1617 = 99 sys0to11care2_1617 =99.

IF SC_AGE_YEARS > 11 sys0to11care2_1617 = 95.

VARIABLE LABELS sys0to11care2_1617 "Children ages 0-11 meeting one or more of five criteria for system of care".

VALUE LABELS sys0to11care2_1617

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_1617(99).

EXECUTE.

COMPUTE sys12to17care2_1617 = 999.

IF (ShareDec_1617 = 0 or ShareDec_1617 = 1 or ShareDec_1617=99) and (MedHome_1617 = 1 or MedHome_1617 = 99) and (Insurance_1617 = 1 or Insurance_1617 = 99)

and (MedDentSyst_1617 = 1 or MedDentSyst_1617=99) and (UnmetFrust_1617 = 1 or

Child and Family Health Measures – Health Care Access and Quality

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UnmetFrust_1617=99) and (Transition_1617=1 or Transition_1617=99) sys12to17care2_1617 = 1.  
IF ShareDec_1617=2 or MedHome_1617 = 2 or Insurance_1617 = 2 or MedDentSyst_1617 = 2 or  
UnmetFrust_1617 = 2 or Transition_1617=2 sys12to17care2_1617 =2.  
IF (ShareDec_1617=0 or ShareDec_1617=99) and MedHome_1617 = 99 and Insurance_1617 = 99 and  
MedDentSyst_1617 = 99 and UnmetFrust_1617 = 99 and Transition_1617=99 sys12to17care2_1617 =99.  
IF SC_AGE_YEARS < 12 sys12to17care2_1617 = 95.  
VARIABLE LABELS sys12to17care2_1617 "Children ages 12-17 meeting one or more of five criteria for  
system of care".  
VALUE LABELS sys12to17care2_1617  
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_1617(99).  
EXECUTE.  
  
MISSING VALUES sys0to11care2_1617 sys12to17care2_1617().  
  
COMPUTE SystCare2_1617=99.  
IF sys0to11care2_1617 = 1 or sys12to17care2_1617 = 1 SystCare2_1617 =1.  
IF sys0to11care2_1617 = 2 or sys12to17care2_1617 = 2 SystCare2_1617 =2.  
IF sys0to11care2_1617 = 99 and sys12to17care2_1617 = 99 SystCare2_1617 =2.  
VARIABLE LABELS SystCare2_1617 "Indicator 4.17: Percent of children received care in a well-  
functioning system".  
VALUE LABELS SystCare2_1617  
1 "Received care in a well-functioning system"  
2 "Did not receive care in a well-functioning system"  
99 "Missing".  
MISSING VALUES SystCare2_1617(99).  
EXECUTE.
```

Indicator 4.18	Forgone health care (ForgoneCare_1617)
Description	During the past 12 months, was there any time when this child needed health care but it was not received?
Survey Items Used	Survey instrument item number for children 0-5 years: C24; for children 6-11 years: C22; for children 12-17 years: C23 Variable in public use data file: K4Q27
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who received needed health care; Children who did not receive needed health care
Notes for Data-Users	
This measure is based on the single item K4Q27 "During the past 12 months, was there any time when this child needed health care but it was not received?" By health care, we mean medical care as well as other kinds of care like dental care, vision care, and mental health services.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, this question asked if care was "delayed or not received". The 2016 NSCH asks if care was "not received". For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE ForgoneCare_1617 = K4Q27. VARIABLE LABELS ForgoneCare_1617 "Children who needed health care but it was not received". VALUE LABELS ForgoneCare_1617 1 "Needed care, but did not receive" 2 "Received needed health care (or did not need health care)" 99 "Missing". MISSING VALUES ForgoneCare_1617(99). EXECUTE. *Specific types of unmet needs COMPUTE ForgoneMed_1617 = 999. IF K4Q28X01 = 1 ForgoneMed_1617 = 1. IF K4Q27 = 2 or K4Q28X01 = 2 ForgoneMed_1617 = 2. IF K4Q28X01 = 99 ForgoneMed_1617 = 99. IF K4Q27 = 99 ForgoneMed_1617 = 99. VARIABLE LABELS ForgoneMed_1617 "Did not receive needed medical care during the past 12 months". VALUE LABELS ForgoneMed_1617 1 "Did not receive needed medical care" 2 "Received needed medical care (or did not need medical care)" 99 "Missing". MISSING VALUES ForgoneMed_1617(99). FORMATS ForgoneMed_1617(f4.0). </pre>	

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COMPUTE ForgoneDent_1617 = 999.
IF K4Q28X02 = 1 ForgoneDent_1617 = 1.
IF K4Q27 = 2 or K4Q28X02 = 2 ForgoneDent_1617 = 2.
IF K4Q28X02 =99 ForgoneDent_1617 = 99.
IF K4Q27 = 99 ForgoneDent_1617 = 99.
IF SC_AGE_YEARS < 1 ForgoneDent_1617 = 95.
VARIABLE LABELS ForgoneDent_1617 "Did not receive needed dental care during the past 12 months, age 1-17 years".
VALUE LABELS ForgoneDent_1617
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_1617(95,99).
FORMATS ForgoneDent_1617(f4.0).

COMPUTE ForgoneVis_1617 = 999.
IF K4Q28X03 = 1 ForgoneVis_1617 = 1.
IF K4Q27 = 2 or K4Q28X03 = 2 ForgoneVis_1617 = 2.
IF K4Q28X03 = 99 ForgoneVis_1617 = 99.
IF K4Q27 = 99 ForgoneVis_1617 = 99.
VARIABLE LABELS ForgoneVis_1617 "Did not receive needed vision care during the past 12 months".
VALUE LABELS ForgoneVis_1617
1 "Did not receive needed vision care"
2 "Received needed vision care (or did not need vision care)"
99 "Missing".
MISSING VALUES ForgoneVis_1617(99).
FORMATS ForgoneVis_1617(f4.0).

COMPUTE ForgoneHear_1617 = 999.
IF K4Q28X_EAR = 1 ForgoneHear_1617 = 1.
IF K4Q27 = 2 or K4Q28X_EAR = 2 ForgoneHear_1617 = 2.
IF K4Q28X_EAR = 99 ForgoneHear_1617 = 99.
IF K4Q27 = 99 ForgoneHear_1617 = 99.
VARIABLE LABELS ForgoneHear_1617 "Did not receive needed hearing care during the past 12 months".
VALUE LABELS ForgoneHear_1617
1 "Did not receive needed hearing care"
2 "Received needed hearing care (or did not need hearing care)"
99 "Missing".
MISSING VALUES ForgoneHear_1617(99).
FORMATS ForgoneHear_1617(f4.0).

COMPUTE ForgoneMH_1617 = 999.
IF K4Q28X04 = 1 ForgoneMH_1617 = 1.
IF K4Q27 = 2 or K4Q28X04 = 2 ForgoneMH_1617 = 2.
IF K4Q28X04 = 99 ForgoneMH_1617 = 99.
IF K4Q27 = 99 ForgoneMH_1617 = 99.
IF SC_AGE_YEARS < 3 ForgoneMH_1617 = 95.
VARIABLE LABELS ForgoneMH_1617 "Did not receive needed mental health services during the past 12 months, age 3-17 years".
VALUE LABELS ForgoneMH_1617
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_1617(95,99).
FORMATS ForgoneMH_1617(f4.0).

```

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COMPUTE ForgoneOther_1617 = 999.
IF K4Q28X05 = 1 ForgoneOther_1617 = 1.
IF K4Q27 = 2 or K4Q28X05 = 2 ForgoneOther_1617 = 2.
IF K4Q28X05 = 99 ForgoneOther_1617 = 99.
IF K4Q27 = 99 ForgoneOther_1617 = 99.
VARIABLE LABELS ForgoneOther_1617 "Did not receive needed other health services during the past 12 months".
VALUE LABELS ForgoneOther_1617
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_1617(99).
FORMATS ForgoneOther_1617(f4.0).

```

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

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COMPUTE ineligible_1617 = NOTELIG.
IF K4Q27 = 2 ineligible_1617 = 95.
IF K4Q27 = 99 ineligible_1617 = 99.
VARIABLE LABELS ineligible_1617 "Did not receive needed health care because the child was not eligible".
VALUE LABELS ineligible_1617
1 "Experienced this difficulty"
2 "Did not experience this difficulty"
99 "Missing"
95 "Received needed health care".
MISSING VALUES ineligible_1617(95,99).
EXECUTE.

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COMPUTE unavailable_1617 = AVAILABLE.
IF K4Q27 = 2 unavailable_1617 = 95.
IF K4Q27 = 99 unavailable_1617 = 99.
VARIABLE LABELS unavailable_1617 "Did not receive needed health care because the service this child needed were not available in their area".
VALUE LABELS unavailable_1617
1 "Experienced this difficulty"
2 "Did not experience this difficulty"
99 "Missing"
95 "Received needed health care".
MISSING VALUES unavailable_1617(95,99).

```

```

COMPUTE appointment_1617 = APPOINTMENT.
IF K4Q27 = 2 appointment_1617 = 95.
IF K4Q27 = 99 appointment_1617 = 99.
VARIABLE LABELS appointment_1617 "Did not receive needed health care because there were problems getting an appointment".
VALUE LABELS appointment_1617
1 "Experienced this difficulty"
2 "Did not experience this difficulty"
99 "Missing"
95 "Received needed health care".
MISSING VALUES appointment_1617(95,99).

```

```

COMPUTE transport_1617 = TRANSPORTCC.
IF K4Q27 = 2 transport_1617 = 95.
IF K4Q27 = 99 transport_1617 = 99.

```

VARIABLE LABELS transport_1617 "Did not receive needed health care because there were problems with getting transportation or child care".

VALUE LABELS transport_1617

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

99 "Missing"

95 "Received needed health care".

MISSING VALUES transport_1617(99).

COMPUTE NotOpen_1617 = NOTOPEN.

IF K4Q27 = 2 NotOpen_1617 = 95.

IF K4Q27 = 99 NotOpen_1617 = 99.

VARIABLE LABELS NotOpen_1617 "Did not receive needed health care because the office was not open when the child needs care".

VALUE LABELS NotOpen_1617

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

99 "Missing"

95 "Received needed health care".

MISSING VALUES NotOpen_1617(99).

COMPUTE CostIssue_1617 = ISSUECOST.

IF K4Q27 = 2 CostIssue_1617 = 95.

IF K4Q27 = 99 CostIssue_1617 = 99.

VARIABLE LABELS CostIssue_1617 "Did not receive needed health care due to issues related to cost".

VALUE LABELS CostIssue_1617

1 "Experienced this difficulty"

2 "Did not experience this difficulty"

99 "Missing"

95 "Received needed health care".

MISSING VALUES CostIssue_1617(99).

Indicator 4.19	Problems paying medical bills (MedBills_1617)
Description	During the past 12 months, did your family have problems paying for any of this child's medical or health care bills?
Survey Items Used	Survey instrument item number for children 0-5 years: F1,F3; for children 6-11 years: F1,F3; for children 12-17 years: F1,F3 Variable in public use data file: HOWMUCH; K3Q25
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This question was asked among children who had out-of-pocket costs for health care during the past 12 months.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of the question. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE MedBills_1617 = K3Q25. IF HOWMUCH = 1 MedBills_1617 = 0. VARIABLE LABELS MedBills_1617 "Indicator 4.19: Family had problems paying for child's medical or health care bills during the past 12 months". VALUE LABELS MedBills_1617 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_1617(99). FORMATS MedBills_1617(f4.0). EXECUTE. </pre>	

Indicator 4.20	Frustrated in efforts to get services (frustrated_1617)
Description	During the past 12 months, how often were you frustrated in your efforts to get services for this child?
Survey Items Used	Survey instrument item number for children 0-5 years: C27; for children 6-11 years: C25; for children 12-17 years: C26 Variable in public use data file: C4Q04
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. For more information about the changes click here .	
SPSS Syntax and Annotation	
RECODE C4Q04 (3 thru 4=3) (else=copy) into frustrated_1617. VARIABLE LABELS frustrated_1617 "Indicator 4.20: Family often frustrated in efforts to get services for their children during the past 12 months". VALUE LABELS frustrated_1617 1 "Never frustrated" 2 "Sometimes frustrated" 3 "Usually/always frustrated" 99 "Missing". MISSING VALUES frustrated_1617(99). FORMATS frustrated_1617(f4.0). EXECUTE.	

Community and school activities

Indicator 5.1	Special education or early intervention plan, age 1-17 years (SpEducPln_1617)
Description	Is this child currently receiving services under a special education or early intervention plan?
Survey Items Used	Survey instrument item number for children 0-5 years: C29,C31; for children 6-11 years: C27,C29; for children 12-17 years: C28,C30 Variable in public use data file: K6Q15; SESCURRSVC
Denominator	Children age 1-17 years
Numerator/Response Categories	Children who have a special education or early intervention plan; Children who do not have a special education or early intervention plan
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, two separate questions were asked for children 0-5 and 6-17. In the 2016 NSCH, one combined question asked if a child "ever received a special education plan" or "early intervention plan." Additionally, two new follow up questions: "how old was the child when he/she first started receiving the services" and "is the child still currently receiving services?" were asked in the 2016 NSCH. There were changes to the wording of the question. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE SpEducPln_1617 = SESCURRSVC. IF K6Q15 = 2 SpEducPln_1617 = 2. IF K6Q15 = 99 SpEducPln_1617 = 99. IF SC_AGE_YEARS < 1 SpEducPln_1617 = 95. VARIABLE LABELS SpEducPln_1617 "Indicator 5.1: Children who currently receives special education or early intervention services, age 1-17 years". VALUE LABELS SpEducPln_1617 1 "Yes" 2 "No" 99 "Missing" 95 "Children under 1 year old". MISSING VALUES SpEducPln_1617(95,99). FORMATS SpEducPln_1617(f2.0). </pre>	

Indicator 5.1a	Age started special education or early intervention plan, age 1-17 years (SpEdAge_1617)
Description	How old was this child, in months, at the time of the first plan?
Survey Items Used	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
Denominator	Children age 1-17 years who ever received special education or early intervention plan
Numerator/Response Categories	Children who received a special education plan or early intervention plan when they were 5 years or younger; Children who received a special education plan or early intervention plan when they were 6-11 years or older; Children who received a special education plan or early intervention plan when they were 12 years or older
Notes for Data-Users	
This question was only asked among children who ever had a special education plan or early intervention plan.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> RECODE SESPLANYR (0 thru 2=1) (3 thru 5=2) (6 thru 17=3) (99=99) into SpEdAge_1617. IF K6Q15 = 2 SpEdAge_1617 = 0. IF K6Q15 = 99 SpEdAge_1617 = 99. IF SC_AGE_YEARS<1 SpEdAge_1617 = 95. VARIABLE LABELS SpEdAge_1617 "Indicator 5.1a: Age started special education or early intervention plan, age 1-5 years". VALUE LABELS SpEdAge_1617 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_1617(0,95,99). FORMATS SpEdAge_1617(f2.0). EXECUTE. </pre>	

Indicator 5.2	School engagement, age 6-17 years (SchlEngage_1617)
Description	Is this child engaged in school: cares about doing well in school and doing required homework?
Survey Items Used	Survey instrument item number for children 6-11 years: A3d-e; for children 12-17 years: A3d-e Variable in public use data file: K7Q82_R; K7Q83_R
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
“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 are asked for children between 6 and 17 years of age.	
Revisions	
In 2017, this measure 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. In 2016, response options were changed from “Never, rarely, sometimes, usually, or always true” to “Definitely true, somewhat true, or not true.” Reference to “the past month” was not included in the 2016 NSCH question. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE SchlEngage_1617 = 2. IF K7Q82_R = 1 and K7Q83_R = 1 SchlEngage_1617 = 1. IF K7Q82_R = 3 or K7Q83_R = 3 SchlEngage_1617 = 3. IF K7Q82_R = 99 and K7Q83_R = 99 SchlEngage_1617 = 99. IF SC_AGE_YEARS < 6 SchlEngage_1617 = 90. VARIABLE LABELS SchlEngage_1617 "Indicator 5.2: School engagement - cares about doing well and does homework, age 6-17 years". VALUE LABELS SchlEngage_1617 1 "Definitely true to both items" 2 "Definitely true to at least one item" 3 "Not true to any item" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES SchlEngage_1617(90,99). FORMATS SchlEngage_1617(f4.0). EXECUTE. COMPUTE cares_1617 = K7Q82_R. IF SC_AGE_YEARS < 6 cares_1617 = 90. </pre>	

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VARIABLE LABELS cares_1617 "Children who care about doing well in school, age 6-17 years".
VALUE LABELS cares_1617
1 "Definitely true"
2 "Somewhat true"
3 "Not true"
99"Missing"
90 "Children age 0-5 years".
MISSING VALUES cares_1617(90,99).
FORMATS cares_1617(f4.0).
EXECUTE.

COMPUTE homework_1617 = K7Q83_R.
IF SC_AGE_YEARS < 6 homework_1617 = 90.
VARIABLE LABELS homework_1617 "Children who do all required homework, age 6-17 years".
VALUE LABELS homework_1617
1 "Definitely true"
2 "Somewhat true"
3 "Not true"
99 "Missing"
90 "Children age 0-5 years".
MISSING VALUES homework_1617(90,99).
FORMATS homework_1617(f4.0).
EXECUTE.
```

Indicator 5.3	Repeated grade(s) in school, age 6-17 years (ReptGrade_1617)
Description	Since starting kindergarten has this child repeated any grades?
Survey Items Used	Survey instrument item number for children 6-11 years: G3; for children 12-17 years: G3 Variable in public use data file: REPEATED
Denominator	Children age 6-17 years
Numerator/Response Categories	Children who repeated a grade; Child who did not repeat a grade
Notes for Data-Users	
This measure was derived based on a single item. This question is asked for all children between 6 and 17 years of age.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE ReptGrade_1617 = REPEATED. IF SC_AGE_YEARS < 6 ReptGrade_1617 = 90. VARIABLE LABELS ReptGrade_1617 "Indicator 5.3: Children repeated any grades since starting kindergarten, age 6-17 years". VALUE LABELS ReptGrade_1617 1 "Yes" 2 "No" 90 "Children age 0-5 years" 99 "Missing". MISSING VALUES ReptGrade_1617(90,99). FORMATS ReptGrade_1617(f2.0). EXECUTE. </pre>	

Indicator 5.4	Missed school days, age 6-17 years (SchlMiss_1617)
Description	During the past 12 months, about how many days did this child miss school because of illness or injury?
Survey Items Used	Survey instrument item number for children 6-11 years: G1; for children 12-17 years: G1 Variable in public use data file: K7Q02R_R
Denominator	Children age 6-17 years
Numerator/Responsible Categories	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
Notes for Data-Users	
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 to merge the data files.	
Revisions	
In 2017, content of this measure did not change from the 2016 NSCH. The response category "This child was not enrolled in school" was added in the 2017 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. In the 2011/12 NSCH, parents who reported that their child was "home-schooled" or "did not go to school" were not included in the denominator. The 2016 NSCH question did not have response options to indicate whether the child was home-schooled or did not go to school in the past 12 months. Additionally, response options were reported in continuous numbers in the 2011/12 NSCH, but were reported in five categorical ranges of missed school days in the 2016 NSCH. There were changes to the wording of the questions. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE SchlMiss_1617 = K7Q02R_R. IF SC_AGE_YEARS < 6 SchlMiss_1617 = 90. VARIABLE LABELS SchlMiss_1617 "Indicator 5.4: Missed school days during the past 12 months, age 6-17 years". VALUE LABELS SchlMiss_1617 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_1617(6,90,99). FORMATS SchlMiss_1617(f2.0). EXECUTE. </pre>	

Indicator 5.5	Participation in organized activities, age 6-17 years (AftSchAct_1617)
Description	During the past 12 months, did this child participate in any organized activities or lessons, after school or on weekend?
Survey Items Used	Survey instrument item number for children 6-11 years: G4a-c; for children 12-17 years: G4a-c Variable in public use data file: K7Q30; K7Q31; K7Q32
Denominator	Children age 6-17 years
Numerator/Response Categories	Children who participate in one or more extracurricular activities; Children who do not participate in extracurricular activities
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE sports_1617 = K7Q30. IF SC_AGE_YEARS < 6 sports_1617 = 90. VARIABLE LABELS sports_1617 "Participation in sports teams or sports lessons after school or on weekends, age 6-17 years". VALUE LABELS sports_1617 1 "Participated in activity" 2 "Did not participate" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES sports_1617(90,99). FORMATS sports_1617(f4.0). COMPUTE clubs_1617 = K7Q31. IF SC_AGE_YEARS < 6 clubs_1617 = 90. VARIABLE LABELS clubs_1617 "Participation in clubs or organizations after school or on weekends, age 6-17 years". VALUE LABELS clubs_1617 1 "Participated in activity" 2 "Did not participate" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES clubs_1617(90,99). FORMATS clubs_1617(f4.0). COMPUTE lessons_1617 = K7Q32. </pre>	

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IF SC_AGE_YEARS < 6 lessons_1617 = 90.
VARIABLE LABELS lessons_1617 "Participation in any other organized activities or lessons, such as music, dance, language or other arts, age 6-17 years".
VALUE LABELS lessons_1617
1 "Participated in activity"
2 "Did not participate"
99 "Missing"
90 "Children age 0-5 years".
MISSING VALUES lessons_1617(90,99).
FORMATS lessons_1617(f4.0).
MISSING VALUES sports_1617 clubs_1617 lessons_1617().

COUNT partic_1617 = sports_1617 clubs_1617 lessons_1617(1).
IF sports_1617 = 99 and clubs_1617 = 99 and lessons_1617 = 99 partic_1617 = 99.
IF SC_AGE_YEARS < 6 partic_1617=90.
VARIABLE LABELS partic_1617 "Number of organized activities child participates in after school (6-17 years)".
VALUE LABELS partic_1617
99 "Missing to all"
90 "Children age 0-5 years".

RECODE partic_1617 (0=2) (1 thru 3 = 1) (else=copy) into AftSchAct_1617.
VARIABLE LABELS AftSchAct_1617 "Indicator 5.5: Children participate in organized activities outside school, age 6-17 years".
VALUE LABELS AftSchAct_1617
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_1617 (90,99).
FORMATS AftSchAct_1617 (f4.0).

EXECUTE.

Indicator 5.6	Parent participation in child's events/activities, age 6-17 years (EventPart_1617)
Description	During the past 12 months, how often did you attend events or activities that this child participated in?
Survey Items Used	Survey instrument item number for children 6-11 years: G5; for children 12-17 years: G5 Variable in public use data file: K7Q33
Denominator	Children age 6-17 years
Numerator/Respon se Categories	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
Notes for Data-Users	
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...".	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, parents who reported that their child did not participate in sports teams or lessons (K7Q30), clubs or organizations (K7Q31), or any other organized events or activities (K7Q32) during the past 12 months were not asked this question. In the 2016 NSCH, this question was asked among all school-aged children and an additional response option -- "Rarely" -- was added.	
SPSS Syntax and Annotation	
<pre> RECODE K7Q33 (1 thru 2 = 1) (3=2) (4 thru 5=3) (99=99) into EventPart_1617. IF SC_AGE_YEARS < 6 EventPart_1617 = 90. VARIABLE LABELS EventPart_1617 "Indicator 5.6: Parents participate in child's event or activities, age 6-17 years". VALUE LABELS EventPart_1617 1 "Always or Usually" 2 "Sometimes" 3 "Rarely or Never" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES EventPart_1617(90,99). FORMATS EventPart_1617(f4.0). EXECUTE. </pre>	

Indicator 5.7	Participation in community service or volunteer work, age 6-17 years (volunteer_1617)
Description	During the past 12 months, did this child participate in any type of community service or volunteer work at school, church, or in the community?
Survey Items Used	Survey instrument item number for children 6-11 years: G4d; for children 12-17 years: G4d Variable in public use data file: K7Q37
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item. This question was asked for children between 6 and 17 years of age	
Revisions	
In 2017, this measure 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. There were changes to the wording of the question in 2016. In 2016, response options changed from "Once a week or more", "A few times a month", "A few times a year, or "Never" to "Yes" or "No". Additionally, in the 2011/12 NSCH, only children age 12-17 years were asked this question. For more information about the changes click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE volunteer_1617 = K7Q37. IF SC_AGE_YEARS < 6 volunteer_1617 = 90. VARIABLE LABELS volunteer_1617 "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_1617 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES volunteer_1617(90,99). FORMATS volunteer_1617(f4.0). EXECUTE. </pre>	

Indicator 5.8	Work for pay, age 12-17 years (workpay_1617)
Description	During the past 12 months, did this child work for pay, including regular jobs as well as babysitting, cutting grass, or other occasional work?
Survey Items Used	Survey instrument item number for children 12-17 years: G4e Variable in public use data file: K7Q38
Denominator	Children age 12-17 years
Numerator/Response Categories	Children who worked for pay; Children who did not work for pay
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. There were changes to the wording of this question in 2016. For more information about the changes click here . In the 2011/12 NSCH, only children age 12-17 years were asked this question. The denominator of this measure remained the same for the DRC indicator even though the question was asked among children 6-17 years in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE workpay_1617 = K7Q38. IF SC_AGE_YEARS < 12 workpay_1617 = 90. VARIABLE LABELS workpay_1617 "Indicator 5.8: Work for pay outside home, 12-17 years". VALUE LABELS workpay_1617 1 "Worked for pay" 2 "Did not work for pay" 99 "Missing" 90 "Children age 0-11 years". MISSING VALUES workpay_1617(90,99). FORMATS workpay_1617(f4.0). EXECUTE. </pre>	

Indicator 5.9	Adult mentor, age 6-17 years (mentor_1617)
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.
Notes for Data-Users	
This measure was derived from a single item. This question was asked for children between 6 and 17 years of age	
Revisions	
In 2017, this measure 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. There were changes to the wording of this question in 2016. For more information about the changes click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE mentor_1617 = K9Q96. IF SC_AGE_YEARS < 6 mentor_1617 = 90. VARIABLE LABELS mentor_1617 "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_1617 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES mentor_1617(90,99). FORMATS mentor_1617(f4.0). EXECUTE. </pre>	

Family Health and Activities

Indicator 6.1	Physical health status of mother (MothPhyH_1617)
Description	If this child's mother lives in the household, in general, what is the mother's physical health status?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J11,J12,J18; for children 6-11 years: J1,J2,J8,J11,J12,J18; for children 12-17 years: J1,J2,J8,J11,J12,J18 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH
Denominator	Children age 0-17 years who live with their biological, step, adoptive, or foster mother
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). The 2016 NSCH relationship to the child question responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 or/and Adult 2 sex was used to identify the mother or father. Maternal or paternal health status questions were only asked if the mother or father was present in the household in the 2011/12 NSCH.	
SPSS Syntax and Annotation	
<pre>COMPUTE mother1_1617=95. IF ((A1_RELATION = 1 or A1_RELATION = 2 or A1_RELATION = 4) and A1_SEX = 2) mother1_1617=1. IF A1_RELATION = 99 or A1_SEX = 99 mother1_1617=99. VARIABLE LABELS mother1_1617 "Adult 1 is biological/adoptive, foster or step mother".</pre> <pre>COMPUTE mother2_1617=95. IF ((A2_RELATION = 1 or A2_RELATION = 2 or A2_RELATION = 4) and A2_SEX = 2) mother2_1617=1. IF A2_RELATION = 99 or A2_SEX = 99 mother2_1617=99. IF A2_RELATION =8 mother2_1617=95. VARIABLE LABELS mother2_1617 "Adult 2 is biological/adoptive, foster or step mother".</pre>	

```
COMPUTE MothPhyH_1617 = 95.  
DO IF mother1_1617=1.  
  IF A1_PHYSHEALTH = 1 or A1_PHYSHEALTH = 2 MothPhyH_1617 = 1.  
  IF A1_PHYSHEALTH = 3 MothPhyH_1617 = 2.  
  IF A1_PHYSHEALTH = 4 or A1_PHYSHEALTH = 5 MothPhyH_1617 = 3.  
  IF A1_PHYSHEALTH = 99 MothPhyH_1617 = 99.  
END IF.  
DO IF ((mother1_1617 =95 or mother1_1617=99) and mother2_1617=1).  
  IF A2_PHYSHEALTH = 1 or A2_PHYSHEALTH = 2 MothPhyH_1617 = 1.  
  IF A2_PHYSHEALTH = 3 MothPhyH_1617 = 2.  
  IF A2_PHYSHEALTH = 4 or A2_PHYSHEALTH = 5 MothPhyH_1617 = 3.  
  IF A2_PHYSHEALTH = 99 MothPhyH_1617 = 99.  
END IF.  
IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99)  
MothPhyH_1617=99.  
VARIABLE LABELS MothPhyH_1617 "Indicator 6.1: Physical health status of mother, children living with  
biological, adopted, step, or foster mother".  
VALUE LABELS MothPhyH_1617  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No mother in the household".  
FORMATS MothPhyH_1617 (f4.0).  
MISSING VALUES MothPhyH_1617 (95,99).  
EXECUTE.
```

Indicator 6.1a	Physical health status of father (FathPhyH_1617)
Description	If this child's father lives in the household, in general, what is the father's physical health status?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J11,J12,J18; for children 6-11 years: J1,J2,J8,J11,J12,J18; for children 12-17 years: J1,J2,J8,J11,J12,J18 Variable in public use data file A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH
Denominator	Children age 0-17 years who live with their biological, step, foster, or adoptive fathers
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). The 2016 and 2017 NSCH relationship to the child question responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 or/and Adult 2 sex was used to identify the mother or father. Adult 1 (if mother) being chosen if both reported adults were mothers (biological, adoptive, step or foster). Maternal or paternal health status questions were only asked if the mother or father was present in the household in the 2011/12 NSCH.	
SPSS Syntax and Annotation	
<pre>COMPUTE father1_1617=95. IF ((A1_RELATION = 1 or A1_RELATION = 2 or A1_RELATION = 4) and A1_SEX = 1) father1_1617=1. IF A1_RELATION = 99 or A1_SEX = 99 father1_1617=99. VARIABLE LABELS father1_1617 "Adult 1 is biological/adoptive, foster or step father". COMPUTE father2_1617=95. IF ((A2_RELATION = 1 or A2_RELATION = 2 or A2_RELATION = 4) and A2_SEX = 1) father2_1617=1. IF A2_RELATION = 99 or A2_SEX = 99 father2_1617=99. IF A2_RELATION =8 father2_1617=95. VARIABLE LABELS father2_1617 "Adult 2 is biological/adoptive, foster or step father".</pre>	

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```
COMPUTE FathPhyH_1617 = 95.  
DO IF father1_1617=1.  
  IF A1_PHYSHEALTH = 1 or A1_PHYSHEALTH = 2 FathPhyH_1617 = 1.  
  IF A1_PHYSHEALTH = 3 FathPhyH_1617 = 2.  
  IF A1_PHYSHEALTH = 4 or A1_PHYSHEALTH = 5 FathPhyH_1617 = 3.  
  IF A1_PHYSHEALTH = 99 FathPhyH_1617 = 99.  
END IF.  
DO IF ((father1_1617 =95 or father1_1617=99) and father2_1617=1).  
  IF A2_PHYSHEALTH = 1 or A2_PHYSHEALTH = 2 FathPhyH_1617 = 1.  
  IF A2_PHYSHEALTH = 3 FathPhyH_1617 = 2.  
  IF A2_PHYSHEALTH = 4 or A2_PHYSHEALTH = 5 FathPhyH_1617 = 3.  
  IF A2_PHYSHEALTH = 99 FathPhyH_1617 = 99.  
END IF.  
IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99) FathPhyH_1617=99.  
VARIABLE LABELS FathPhyH_1617 "Indicator 6.1a: Physical health status of father, children living with  
biological, adopted, step, or foster father".  
VALUE LABELS FathPhyH_1617  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No father in the household".  
FORMATS FathPhyH_1617 (f4.0).  
MISSING VALUES FathPhyH_1617 (95,99).  
EXECUTE.
```

Indicator 6.2	Mental health status of mother (MotherMH_1617)
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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). The 2016 and 2017 NSCH relationship to the child question responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 or/and Adult 2 sex was used to identify the mother or father. Adult 1 (if mother) being chosen if both reported adults were mothers (biological, adoptive, step or foster). Maternal or paternal health status questions were only asked if the mother or father was present in the household in the 2011/12 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE MotherMH_1617 = 95. DO IF mother1_1617=1. IF A1_MENTHEALTH = 1 or A1_MENTHEALTH = 2 MotherMH_1617 = 1. IF A1_MENTHEALTH = 3 MotherMH_1617 = 2. IF A1_MENTHEALTH = 4 or A1_MENTHEALTH = 5 MotherMH_1617 = 3. IF A1_MENTHEALTH = 99 MotherMH_1617 = 99. END IF. DO IF ((mother1_1617 =95 or mother1_1617=99) and mother2_1617=1). IF A2_MENTHEALTH = 1 or A2_MENTHEALTH = 2 MotherMH_1617 = 1. IF A2_MENTHEALTH = 3 MotherMH_1617 = 2. IF A2_MENTHEALTH = 4 or A2_MENTHEALTH = 5 MotherMH_1617 = 3. IF A2_MENTHEALTH = 99 MotherMH_1617 = 99. </pre>	

```
END IF.  
IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99)  
MotherMH_1617=99.  
VARIABLE LABELS MotherMH_1617 "Indicator 6.2: Mental health status of mother, children living with  
biological, adopted, step, or foster mother".  
VALUE LABELS MotherMH_1617  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No mother in the household".  
FORMATS MotherMH_1617 (f4.0).  
MISSING VALUES MotherMH_1617 (95,99).  
EXECUTE.
```

Indicator 6.2a	Mental health status of father (FatherMH_1617)
Description	If this child's father lives in the household, in general, what is the status of father's mental and emotional health?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J9,J11,J12,J19; for children 6-11 years: J1,J2,J9,J11,J12,J19; for children 12-17 years: J1,J2,J9,J11,J12,J19 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_MENTHEALTH; A2_MENTHEALTH
Denominator	Children ages 0-17 years who live with their biological, step, foster or adoptive fathers
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). The 2016 and 2017 NSCH relationship to the child question responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 or/and Adult 2 sex was used to identify the mother or father. Adult 1 (if mother) being chosen if both reported adults were mothers (biological, adoptive, step or foster). Maternal or paternal health status questions were only asked if the mother or father was present in the household in the 2011/12 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE FatherMH_1617 = 95. DO IF father1_1617=1. IF A1_MENTHEALTH = 1 or A1_MENTHEALTH = 2 FatherMH_1617 = 1. IF A1_MENTHEALTH = 3 FatherMH_1617 = 2. IF A1_MENTHEALTH = 4 or A1_MENTHEALTH = 5 FatherMH_1617 = 3. IF A1_MENTHEALTH = 99 FatherMH_1617 = 99. END IF. DO IF ((father1_1617 =95 or father1_1617=99) and father2_1617=1). IF A2_MENTHEALTH = 1 or A2_MENTHEALTH = 2 FatherMH_1617 = 1. IF A2_MENTHEALTH = 3 FatherMH_1617 = 2. IF A2_MENTHEALTH = 4 or A2_MENTHEALTH = 5 FatherMH_1617 = 3. IF A2_MENTHEALTH = 99 FatherMH_1617 = 99. </pre>	

```
END IF.  
IF (A1_RELATION = 99 or A1_SEX = 99) and (A2_RELATION = 99 or A2_SEX = 99) FatherMH_1617=99.  
VARIABLE LABELS FatherMH_1617 "Indicator 6.2a: Mental health status of father, children living with  
biological, adopted, step, or foster father".  
VALUE LABELS FatherMH_1617  
1 "Excellent or very good"  
2 "Good"  
3 "Fair or poor"  
99 "Missing"  
95 "No father in the household".  
FORMATS FatherMH_1617 (f4.0).  
MISSING VALUES FatherMH_1617 (95,99).  
EXECUTE.
```

Indicator 6.3	Overall health status of mother (MotherHSt_1617)
Description	If this child's mother lives in the household, are his/her mother's physical and mental health both excellent or very good?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 6-11 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 12-17 years: J1,J2,J8,J9,J11,J12,J18,J19 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH; A1_MENTHEALTH; A2_MENTHEALTH
Denominator	Children age 0-17 years who live with their biological, step, adoptive, or foster mother
Numerator/Response Categories	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
Notes for Data-Users	
<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 12.1% 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>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). The 2016 and 2017 NSCH relationship to the child question responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 or/and Adult 2 sex was used to identify the mother or father. Adult 1 (if mother) being chosen if both reported adults were mothers (biological, adoptive, step or foster). Maternal or paternal health status questions were only asked if the mother or father was present in the household in the 2011/12 NSCH.</p>	
SPSS Syntax and Annotation	
<pre>MISSING VALUES MothPhyH_1617 MotherMH_1617().</pre> <pre>COMPUTE MotherHSt_1617 = 999. IF MothPhyH_1617 = 1 and MotherMH_1617 = 1 MotherHSt_1617 = 1. IF MothPhyH_1617 = 1 and (MotherMH_1617 = 2 or MotherMH_1617 = 3) MotherHSt_1617 = 2. IF (MothPhyH_1617 = 2 or MothPhyH_1617 = 3) and MotherMH_1617 = 1 MotherHSt_1617 = 2. IF (MothPhyH_1617 = 2 or MothPhyH_1617 = 3) and (MotherMH_1617 = 2 or MotherMH_1617 = 3) MotherHSt_1617 = 2. IF MothPhyH_1617 = 99 or MotherMH_1617 = 99 MotherHSt_1617 = 99.</pre>	

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IF MothPhyH_1617 = 95 or MotherMH_1617 = 95 MotherHSt_1617 = 95.  
VARIABLE LABELS MotherHSt_1617 "Indicator 6.3: Mother's overall physical and mental-emotional health  
status, children living with biological, adopted, step, or foster mother".  
VALUE LABELS MotherHSt_1617  
1 "Physical & mental health BOTH excellent or very good"  
2 "One or both of physical & mental health are NOT excellent/very good"  
99 "Missing"  
95 "No biological, adoptive, step or foster mother in household".  
MISSING VALUES MotherHSt_1617(95,99).  
FORMATS MotherHSt_1617(f2.0).  
EXECUTE.
```

Indicator 6.3a	Overall health status of father (FatherHSt_1617)
Description	If this child's father lives in the household, are his/her father's physical and mental health both excellent or very good?
Survey Items Used	Survey instrument item number for children 0-5 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 6-11 years: J1,J2,J8,J9,J11,J12,J18,J19; for children 12-17 years: J1,J2,J8,J9,J11,J12,J18,J19 Variable in public use data file: A1_RELATION; A2_RELATION; A1_SEX; A2_SEX; A1_PHYSHEALTH; A2_PHYSHEALTH; A1_MENTHEALTH; A2_MENTHEALTH
Denominator	Children ages 0-17 years who live with their biological, step, foster or adoptive fathers
Numerator/Response Categories	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
Notes for Data-Users	
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 24.7% 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.	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, the response options to the question about the respondent's relationship to the child included mother or father types (biological, step, foster, or adoptive). The 2016 and 2017 NSCH relationship to the child question responses did not specify whether Adult 1 or Adult 2 is the mother or father. Adult 1 or/and Adult 2 sex was used to identify the mother or father. Adult 1 (if mother) being chosen if both reported adults were mothers (biological, adoptive, step or foster). Maternal or paternal health status questions were only asked if the mother or father was present in the household in the 2011/12 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE FatherHSt_1617 = 999. IF FathPhyH_1617 = 1 and FatherMH_1617 = 1 FatherHSt_1617 = 1. IF FathPhyH_1617 = 1 and (FatherMH_1617 = 2 or FatherMH_1617 = 3) FatherHSt_1617 = 2. IF (FathPhyH_1617 = 2 or FathPhyH_1617 = 3) and FatherMH_1617 = 1 FatherHSt_1617 = 2. IF (FathPhyH_1617 = 2 or FathPhyH_1617 = 3) and (FatherMH_1617 = 2 or FatherMH_1617 = 3) FatherHSt_1617 = 2. IF FathPhyH_1617 = 99 or FatherMH_1617 = 99 FatherHSt_1617 = 99. IF FathPhyH_1617 = 95 or FatherMH_1617 = 95 FatherHSt_1617 = 95. VARIABLE LABELS FatherHSt_1617 "Indicator 6.3a: Father's overall physical and mental-emotional </pre>	

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health status, children living with biological, adopted, step, or foster father".

VALUE LABELS FatherHSt_1617

1 "Physical & mental health BOTH excellent or very good"

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

99 "Missing"

95 "No biological, adoptive, step or foster father in household".

MISSING VALUES FatherHSt_1617(95,99).

FORMATS FatherHSt_1617(f2.0).

EXECUTE.

Indicator 6.4	Someone living in the household smokes (smoking_1617)
Description	Does anyone living in this child's household use cigarettes, cigars, or pipe tobacco?
Survey Items Used	Survey instrument item number for children 0-5 years: I2; for children 6-11 years: I2; for children 12-17 years: I2 Variable in public use data file: K9Q40
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who live in households where someone smokes; Children who live in households where someone doesn't smoke
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE smoking_1617 = K9Q40. VARIABLE LABELS smoking_1617 "Indicator 6.4: Children who live in households where someone uses cigarettes, cigars, or pipe tobacco". VALUE LABELS smoking_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES smoking_1617(99). FORMATS smoking_1617(f4.0). EXECUTE. </pre>	

Indicator 6.4a	Someone smokes inside the home (SmkInside_1617)
Description	Does anyone smoke inside this child's home?
Survey Items Used	Survey instrument item number for children 0-5 years: I2,I3; for children 6-11 years: I2,I3; for children 12-17 years: I2,I3 Variable in public use data file: K9Q40; K9Q41
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who live in a household where no one in the household uses tobacco; Children who live in a household where someone uses tobacco but does not smoke inside the house; Children who live in a household where someone uses tobacco and smokes inside the house
Notes for Data-Users	
The question "Does anyone smoke inside your home" was only asked of respondents who said "Yes" to "Does anyone living in your household use cigarettes, cigars, or pipe tobacco?" This measure shows the overall prevalence of both outcomes.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE SmkInside_1617 = 999. IF K9Q40 = 2 SmkInside_1617 = 1. IF K9Q40 = 1 and K9Q41 = 2 SmkInside_1617 = 2. IF K9Q40 = 1 and K9Q41 = 1 SmkInside_1617 = 3. IF K9Q40=99 or K9Q41=99 SmkInside_1617 = 99. VARIABLE LABELS SmkInside_1617 "Indicator 6.4a: Someone smokes inside the home". VALUE LABELS SmkInside_1617 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_1617(99). FORMATS SmkInside_1617(f4.0). EXECUTE. </pre>	

Indicator 6.5	Children living in "working poor" families (WrkngPoor_1617)
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"
Notes for Data-Users	
<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 income variable, povlev4_1617, 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."</p> <p>Children are defined as living in "working poor" households if someone was employed for 50 of the last 52 weeks (A#_K11Q50_R) and their total household income was less than 100% of the federal poverty level (povlev4_1617). The 2016 and 2017 NSCH public use data files provided by the Census Bureau include a derived income variable, FPL. Since the family income data had missing values for 18.6% of the sample, imputed data is provided for those missing cases. The DRC uses single imputation data to substitute for the missing cases provided in the publicly released data file.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. There were changes to the wording of the question in 2016. In the 2011/12 NSCH, the question was asked "Was anyone in the household employed at least 50 weeks out of past 52 weeks?" In the 2016 NSCH, the question was asked of the two adults who were considered the child's primary caregivers. For more information about the changes, click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE work50hrs_1617 = 2. IF A1_K11Q50_R = 1 or A2_K11Q50_R = 1 work50hrs_1617 = 1. IF A1_K11Q50_R = 99 and (A2_K11Q50_R = 99 or A2_K11Q50_R =95) work50hrs_1617 = 99. VARIABLE LABELS work50hrs_1617 "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_1617 1 "Yes" 2 "No" 99 "Missing". COMPUTE WrkngPoor_1617 = 999. IF (povlev4_1617 >1 and povlev4_1617 <=4) and (work50hrs_1617 = 1 or work50hrs_1617 = 2) WrkngPoor_1617 = 2. IF povlev4_1617 = 1 and work50hrs_1617 = 2 WrkngPoor_1617 = 2. </pre>	

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IF povlev4_1617 = 1 and work50hrs_1617 = 1 WrkngPoor_1617 = 1.  
IF work50hrs_1617 = 99 WrkngPoor_1617 = 99.  
VARIABLE LABELS WrkngPoor_1617 "Indicator 6.5: Children live in working poor households--parents  
employed full-time with income less than 100% FPL".  
VALUE LABELS WrkngPoor_1617  
1 "Live in 'working poor' household"  
2 "Do not live in 'working poor' household"  
99 "Missing".  
MISSING VALUES WrkngPoor_1617(99).  
FORMATS WrkngPoor_1617(f4.0).  
EXECUTE.
```

Indicator 6.6	Family shares ideas, age 6-17 years (Shareldeas_1617)
Description	How well can you and this child share ideas or talk about things that really matter?
Survey Items Used	Survey instrument item number for children 6-11 years: H8; for children 12-17 years: H8 Variable in public use data file: K8Q21
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item. Important note: 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...".	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> RECODE K8Q21 (1=1) (2=2) (3 thru 4=3) (99=99) into Shareldeas_1617. IF SC_AGE_YEARS < 6 Shareldeas_1617 = 90. VARIABLE LABELS Shareldeas_1617 "Indicator 6.6: Parents and children sharing ideas or talk about things that really matter, age 6-17 years". VALUE LABELS Shareldeas_1617 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_1617(90,99). FORMATS Shareldeas_1617(f2.0). EXECUTE. </pre>	

Indicator 6.7	Family reads to children, age 0-5 years (readto_1617)
Description	During the past week, how many days did you or other family members read to this child?
Survey Items Used	Survey instrument item number for children 0-5 years: H9 Variable in public use data file: K6Q60_R
Denominator	Children age 0-5 years
Numerator/Response Categories	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
Notes for Data-Users	
<p>This measure was derived from a single item.</p> <p>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...".</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. Response options were reported categorically in the 2016 NSCH.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE readto_1617 = K6Q60_R. IF SC_AGE_YEARS > 5 readto_1617 = 90. VARIABLE LABELS readto_1617 "Indicator 6.7: Number of days children were read aloud to during the past week, age 0-5 years". VALUE LABELS readto_1617 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_1617(90,99). FORMATS readto_1617(f2.0). EXECUTE. </pre>	

Indicator 6.8	Family sings and tells stories to children, age 0-5 years (SingStory_1617)
Description	During the past week, how many days did you or other family members tell stories or sing songs to this child?
Survey Items Used	Survey instrument item number for children 0-5 years: H10 Variable in public use data file: K6Q61_R
Denominator	Children age 0-5 years
Numerator/Response Categories	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
Notes for Data-Users	
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 or families. Results should be reported as: "Percent of children ages 0-5 years whose parents or family members sing or tell stories to children every day", not as "Percent of parents...".	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. Response options were reported categorically in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE SingStory_1617 = K6Q61_R. IF SC_AGE_YEARS > 5 SingStory_1617 = 90. VARIABLE LABELS SingStory_1617 "Indicator 6.8: Number of days children were sung to or told stories to during past week, age 0-5 years". VALUE LABELS SingStory_1617 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_1617(90,99). FORMATS SingStory_1617(f2.0). EXECUTE. </pre>	

Indicator 6.9	Family eats meal together (MealTogether_1617)
Description	During the past week, on how many days did all the family members who live in the household eat a meal together?
Survey Items Used	Survey instrument item number for children 0-5 years: I1; for children 6-11 years: I1; for children 12-17 years: I1 Variable in public use data file: K8Q11
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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 or families. Results should be reported as: "Percent of children whose family eats meals together every day", not as "Percent of families...".	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> RECODE K8Q11 (1=0) (2=1) (3=2) (4=3) (99=99) into MealTogether_1617. VARIABLE LABELS MealTogether_1617 "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_1617 0 "No days" 1 "1-3 days" 2 "4-6 days" 3 "Every day" 99 "Missing". MISSING VALUES MealTogether_1617(99). FORMATS MealTogether_1617(f4.0). EXECUTE. </pre>	

Indicator 6.10	Time spent watching TV or playing video games (TVwatch_1617)
Description	On an average weekday, about how much time does this child usually spend in front of a TV watching TV programs, videos, or playing video games?
Survey Items Used	Survey instrument item number for children 0-5 years: H7; for children 6-11 years: H6; for children 12-17 years: H6 Variable in public use data file: K7Q60_R
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single survey item.	
Revisions	
In 2017, this measure 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. Children age 6-17 years who did not have a TV, video player, or video games in the home were not included in the denominator in the 2011/12 NSCH. Response options were reported in hours or minutes in the 2011/12 NSCH. For the 2016 NSCH, the response options were reported in hours only.	
SPSS Syntax and Annotation	
<pre> RECODE K7Q60_R (1=0) (2=1) (3=2) (4 thru 5=3) (6=4) (99=99) into TVwatch_1617. VARIABLE LABELS TVwatch_1617 "Indicator 6.10: Time spent on average weekday watching TV, videos, or playing video games". VALUE LABELS TVwatch_1617 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_1617(99). FORMATS TVwatch_1617(f2.0). EXECUTE. </pre>	

Indicator 6.11	Time spent with a computer, cell phone, electronic device (CompElDev_1617)
Description	On an average weekday, about how much time does this child usually spend with computers, cell phones, handheld video games, and other electronic devices, doing things other than schoolwork?
Survey Items Used	Survey instrument item number for children 0-5 years: H8; for children 6-11 years: H7; for children 12-17 years: H7 Variable in public use data file: K7Q91_R
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single survey item.	
Revisions	
In 2017, this measure 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. Children who did not have computers, cell phones, handheld video games, and other electronic devices in the home were not included in the denominator for the 2011/12 NSCH. Response options were reported in continuous numbers in the 2011/12 NSCH. In the 2016 NSCH, the response options were reported in hours up to 4 hours. Additionally, there were changes to the wording of the question. For more information about the changes click here .	
SPSS Syntax and Annotation	
<pre> RECODE K7Q91_R (1=0) (2=1) (3=2) (4 thru 5=3) (6=4) (99=99) into CompElDev_1617. VARIABLE LABELS CompElDev_1617 "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_1617 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_1617(99). FORMATS CompElDev_1617(f2.0). EXECUTE. </pre>	

Indicator 6.12	Family resilience (FamResilience_1617)
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
Notes for Data-Users	
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.	
Revisions	
In 2017, this item did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> RECODE TALKABOUT (1=1) (2=2) (3 thru 4 = 3) (99=99) into TalkAbout_1617. VARIABLE LABELS TalkAbout_1617 "Talk together about what to do when the family faces problems". VALUE LABELS TalkAbout_1617 1 "All of the time" 2 "Most of the time" 3 "Some/None of the time" 99 "Missing". MISSING VALUES TalkAbout_1617(99). FORMATS TalkAbout_1617(f4.0). EXECUTE. RECODE WKTOSOLVE (1=1) (2=2) (3 thru 4 = 3) (99=99) into WrkToSolve_1617. VARIABLE LABELS WrkToSolve_1617 "Work together to solve the problem when your family faces problems". VALUE LABELS WrkToSolve_1617 1 "All of the time" 2 "Most of the time" 3 "Some/None of the time" 99 "Missing". </pre>	

MISSING VALUES WrkToSolve_1617(99).
FORMATS WrkToSolve_1617(f4.0).
EXECUTE.

RECODE STRENGTHS

(1=1) (2=2) (3 thru 4 = 3) (99=99) into strengths_1617.

VARIABLE LABELS strengths_1617 "Know we have strengths to draw on when the family faces problems".

VALUE LABELS strengths_1617

1 "All of the time"

2 "Most of the time"

3 "Some/None of the time"

99 "Missing".

MISSING VALUES strengths_1617(99).

FORMATS strengths_1617(f4.0).

EXECUTE.

RECODE HOPEFUL

(1=1) (2=2) (3 thru 4 = 3) (99=99) into hopeful_1617.

VARIABLE LABELS hopeful_1617 "Stay hopeful even in difficult times when the family faces problems".

VALUE LABELS hopeful_1617

1 "All of the time"

2 "Most of the time"

3 "Some/None of the time"

99 "Missing".

MISSING VALUES hopeful_1617(99).

FORMATS hopeful_1617(f4.0).

EXECUTE.

MISSING VALUES TalkAbout_1617 WrkToSolve_1617 strengths_1617 hopeful_1617().

COUNT CtFamRes_1617 = TalkAbout_1617 WrkToSolve_1617 strengths_1617 hopeful_1617(1,2).

IF TalkAbout_1617 = 99 and WrkToSolve_1617 = 99 and strengths_1617 =99 and hopeful_1617 = 99
CtFamRes_1617 = 99.

VARIABLE LABELS CtFamRes_1617 "Count of all of time and most of time responses".

COMPUTE FamResilience_1617 = 999.

IF CtFamRes_1617 <= 1 FamResilience_1617 = 1.

IF CtFamRes_1617 = 2 or CTfamRes_1617 = 3 FamResilience_1617 = 2.

IF CtFamRes_1617 = 4 FamResilience_1617 = 3.

IF CtFamRes_1617 = 99 FamResilience_1617 = 99.

VARIABLE LABELS FamResilience_1617 "Indicator 6.12: Family flourishing composite measure".

VALUE LABELS FamResilience_1617

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_1617(99).

FORMATS FamResilience_1617(f4.0).

EXECUTE.

Indicator 6.13	Adverse childhood experiences (ACE2more_1617)
Description	Has this child experienced one or more adverse childhood experiences from the list of 9 ACEs?
Survey Items Used	Survey instrument item number for children 0-5 years: 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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children with no adverse childhood experiences; Children with 1 adverse childhood experience; Children with 2 or more adverse childhood experiences
Notes for Data-Users	
The 2016 NSCH includes nine ACEs items: hard to get by on family's income (ACE1), parent or guardian divorced or separated (ACE3), parent or guardian died (ACE4), parent or guardian served time in jail (ACE5), saw or heard parents or adults slap, hit, kick punch one another in the home (ACE6), was a victim of violence or witnessed violence in neighborhood (ACE7), lived with anyone who was mentally ill, suicidal, or severely depressed (ACE8), lived with anyone who had a problem with alcohol or drugs (ACE9), and treated or judged unfairly due to race/ethnicity (ACE 10). A response of 'somewhat often' or 'very often' to the question "How often has it been very hard to get by on your family's income?" (ACE1) was coded as an adverse childhood experience. The remaining survey items ACE3-ACE10 are dichotomous with 'Yes/No' response options.	
Revisions	
In 2017, this measure 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. There were changes to the wording of seven of the nine items in 2016 compared to the 2011/12 NSCH. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE ACEincome_1617 = ACE1. VARIABLE LABELS ACEincome_1617 "Adverse childhood experience: hard to get by on family's income - hard to cover basics like food or housing". VALUE LABELS ACEincome_1617 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_1617(99). FORMATS ACEincome_1617(f4.0). EXECUTE. </pre> <p>*Recode of ACEincome_1617 to allow for count of children experiencing Adverse Family Experiences</p> <pre> COMPUTE ACEincome2_1617 = 999. </pre>	

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IF ACE1 = 3 or ACE1 = 4 ACEincome2_1617 = 1.
IF ACE1 = 1 or ACE1 = 2 ACEincome2_1617 = 2.
IF ACE1 = 99 ACEincome2_1617 = 99.
VARIABLE LABELS ACEincome2_1617 "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_1617
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_1617 = ACE3.
VARIABLE LABELS ACEdivorce_1617 "Adverse childhood experience: parent or guardian divorced or separated".
VALUE LABELS ACEdivorce_1617
1 "Experienced the adverse childhood experience"
2 "Did not experience this adverse childhood experience"
99 "Missing".
MISSING VALUES ACEdivorce_1617(99).
FORMATS ACEdivorce_1617(f4.0).
EXECUTE.

COMPUTE ACEdeath_1617 = ACE4.
VARIABLE LABELS ACEdeath_1617 "Adverse childhood experience: parent or guardian died".
VALUE LABELS ACEdeath_1617
1 "Experienced the adverse childhood experience"
2 "Did not experience this adverse childhood experience"
99 "Missing".
MISSING VALUES ACEdeath_1617(99).
FORMATS ACEdeath_1617(f4.0).
EXECUTE.

COMPUTE ACEjail_1617 = ACE5.
VARIABLE LABELS ACEjail_1617 "Adverse childhood experience: parent or guardian served time in jail".
VALUE LABELS ACEjail_1617
1 "Experienced the adverse childhood experience"
2 "Did not experience this adverse childhood experience"
99 "Missing".
MISSING VALUES ACEjail_1617(99).
FORMATS ACEjail_1617(f4.0).
EXECUTE.

COMPUTE ACEdomviol_1617 = ACE6.
VARIABLE LABELS ACEdomviol_1617 "Adverse childhood experience: saw or heard parents or adults slap, hit, kick, punch one another in the home".
VALUE LABELS ACEdomviol_1617
1 "Experienced the adverse childhood experience"
2 "Did not experience this adverse childhood experience"
99 "Missing".
MISSING VALUES ACEdomviol_1617(99).
FORMATS ACEdomviol_1617(f4.0).
EXECUTE.

COMPUTE ACEneighviol_1617 = ACE7.
VARIABLE LABELS ACEneighviol_1617 "Adverse childhood experience: victim/witness of neighborhood violence".
VALUE LABELS ACEneighviol_1617
1 "Experienced the adverse childhood experience"

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2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEneighviol_1617(99).

FORMATS ACEneighviol_1617(f4.0).

EXECUTE.

COMPUTE ACEmhealth_1617 = ACE8.

VARIABLE LABELS ACEmhealth_1617 "Adverse childhood experience: lived with anyone who was mentally ill, suicidal, or severely depressed".

VALUE LABELS ACEmhealth_1617

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEmhealth_1617(99).

FORMATS ACEmhealth_1617(f4.0).

EXECUTE.

COMPUTE ACEdrug_1617 = ACE9.

VARIABLE LABELS ACEdrug_1617 "Adverse childhood experience: lived with anyone who had a problem with alcohol or drug".

VALUE LABELS ACEdrug_1617

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEdrug_1617(99).

FORMATS ACEdrug_1617(f4.0).

EXECUTE.

COMPUTE ACEdiscrim_1617 = ACE10.

VARIABLE LABELS ACEdiscrim_1617 "Adverse childhood experience: treated or judged unfairly because of his/her race or ethnic group".

VALUE LABELS ACEdiscrim_1617

1 "Experienced the adverse childhood experience"

2 "Did not experience this adverse childhood experience"

99 "Missing".

MISSING VALUES ACEdiscrim_1617(99).

FORMATS ACEdiscrim_1617(f4.0).

EXECUTE.

MISSING VALUES ACEincome2_1617 ACEdivorce_1617 ACEdeath_1617 ACEjail_1617

ACEdomviol_1617 ACEneighviol_1617 ACEmhealth_1617 ACEdrug_1617 ACEdiscrim_1617().

COUNT ACEct_1617 = ACEincome2_1617 ACEdivorce_1617 ACEdeath_1617 ACEjail_1617

ACEdomviol_1617 ACEneighviol_1617 ACEmhealth_1617 ACEdrug_1617 ACEdiscrim_1617(1).

IF ACEincome2_1617 = 99 and ACEdivorce_1617 = 99 and ACEdeath_1617 = 99 and ACEjail_1617 = 99 and ACEdomviol_1617 = 99 and

ACEneighviol_1617 = 99 and ACEmhealth_1617 = 99 and ACEdrug_1617 = 99 and ACEdiscrim_1617 = 99 ACEct_1617 = 99.

VARIABLE LABELS ACEct_1617 "Number of adverse childhood experiences, of 9 asked about".

VALUE LABELS ACEct_1617

0 "No adverse childhood experiences"

99 "Missing to all 9 items".

RECODE ACEct_1617

(0=1) (1=2) (2 thru 9 =3) (99=99) into ACE2more_1617.

VARIABLE LABELS ACE2more_1617 "Indicator 6.13: Children experienced two or more adverse childhood experiences".

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VALUE LABELS ACE2more_1617

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_1617(99).

FORMATS ACE2more_1617(f4.0).

EXECUTE.

Indicator 6.14	Parental aggravation (ParAggrav_1617)
Description	Does this child have parents who felt aggravated by parenting during the past month?
Survey Items Used	Survey instrument item number for children 0-5 years H12; for children 6-11 years: H10; for children 12-17 years: H10 Variable in public use data file: K8Q31; K8Q32; K8Q34
Denominator	Children age 0-17 years
Numerator/Response Categories	Children whose parents often feel aggravation from parenting; Children whose parents seldom feel aggravation from parenting
Notes for Data-Users	
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 is: "Percent of children ages 0-17 living with parents who report often feel aggravated from parenting", not as "Percent of parents...".	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
RECODE K8Q31 (1=1) (2=2) (3=3) (4 thru 5 = 4) (99=99) into DiffCare_1617. VARIABLE LABELS DiffCare_1617 "Parent felt child is much harder to care for than most children during the past month". VALUE LABELS DiffCare_1617 1 "Never" 2 "Rarely" 3 "Sometimes" 4 "Usually or always" 99 "Missing". MISSING VALUES DiffCare_1617(99). FORMATS DiffCare_1617(f4.0). EXECUTE. RECODE K8Q32 (1=1) (2=2) (3=3) (4 thru 5 = 4) (99=99) into bother_1617. VARIABLE LABELS bother_1617 "Parent felt child does things that bother them during the past month". VALUE LABELS bother_1617 1 "Never" 2 "Rarely" 3 "Sometimes"	

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4 "Usually or always"
99 "Missing".
MISSING VALUES bother_1617(99).
FORMATS bother_1617(f4.0).
EXECUTE.

RECODE K8Q34
(1=1) (2=2) (3=3) (4 thru 5 = 4) (99=99) into angry_1617.
VARIABLE LABELS angry_1617 "Parent felt angry with child during the past month".
VALUE LABELS angry_1617
1 "Never"
2 "Rarely"
3 "Sometimes"
4 "Usually or always"
99 "Missing".
MISSING VALUES angry_1617(99).
FORMATS angry_1617(f4.0).
EXECUTE.

COUNT ParAgg_ct = DiffCare_1617 bother_1617 angry_1617(4).
IF DiffCare_1617=99 and bother_1617=99 and angry_1617=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_1617 = 999.
IF ParAgg_ct >= 1 ParAggrav_1617 = 1.
IF ParAgg_ct = 0 ParAggrav_1617 = 2.
IF ParAgg_ct = 99 ParAggrav_1617 = 99.
VARIABLE LABELS ParAggrav_1617 "Indicator 6.14: Children whose parents who felt stress from parenting during the past month".
VALUE LABELS ParAggrav_1617
1 "Parent usually/always feels aggravation from parenting"
2 "Parent seldom feels aggravation from parenting"
99 "Missing to all 3 items".
MISSING VALUES ParAggrav_1617(99).
FORMATS ParAggrav_1617(f4.0).
EXECUTE.
```

Indicator 6.15	Emotional help with parenthood (EmSupport_1617)
Description	During the past 12 months, was there someone that you could turn to for day-to-day emotional support with parenting or raising children?
Survey Items Used	Survey instrument item number for children 0-5 years: H13; for children 6-11 years: H11; for children 12-17 years: H11 Variable in public use data file: K8Q35
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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 have someone to turn to for day-to-day emotional support with parenting or raising children", not as "Percent of parents..." .	
Revisions	
In 2017, this item 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. There were changes to the wording of this question in 2016. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE EmSupport_1617 = K8Q35. VARIABLE LABELS EmSupport_1617 "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_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES EmSupport_1617(99). FORMATS EmSupport_1617(f4.0). EXECUTE. **Persons from whom received emotional support COMPUTE EmSSpouse_1617 = EMOSUPSPO. IF K8Q35 = 2 EmSSpouse_1617 = 3. VARIABLE LABELS EmSSpouse_1617 "Children whose parents had day-to-day emotional support with parenting or raising children from their spouse". VALUE LABELS EmSSpouse_1617 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" </pre>	

99 "Missing".
MISSING VALUES EmSSpouse_1617(99).
FORMATS EmSSpouse_1617(f4.0).
EXECUTE.

COMPUTE EmSFamily_1617 = EMOSUPFAM.
IF K8Q35 = 2 EmSFamily_1617 = 3.
VARIABLE LABELS EmSFamily_1617 "Children whose parents received day-to-day emotional support with parenting or raising children from other family member or close friend".
VALUE LABELS EmSFamily_1617
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_1617(99).
FORMATS EmSFamily_1617(f4.0).
EXECUTE.

COMPUTE EmSPProvider_1617 = EMOSUPHCP.
IF K8Q35 = 2 EmSPProvider_1617 = 3.
VARIABLE LABELS EmSPProvider_1617 "Children whose parents received day-to-day emotional support with parenting or raising children from health care provider".
VALUE LABELS EmSPProvider_1617
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 EmSPProvider_1617(99).
FORMATS EmSPProvider_1617(f4.0).
EXECUTE.

COMPUTE EmSWorship_1617 = EMOSUPWOR.
IF K8Q35 = 2 EmSWorship_1617 = 3.
VARIABLE LABELS EmSWorship_1617 "Children whose parents received day-to-day emotional support with parenting or raising children from place of worship or religious leader".
VALUE LABELS EmSWorship_1617
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_1617(99).
FORMATS EmSWorship_1617(f4.0).
EXECUTE.

COMPUTE EmSSupGrp_1617 = EMOSUPADV.
IF K8Q35 = 2 EmSSupGrp_1617 = 3.
VARIABLE LABELS EmSSupGrp_1617 "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_1617
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_1617(99).
FORMATS EmSSupGrp_1617(f4.0).
EXECUTE.

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COMPUTE EmSPeer_1617 = EMOSUPPEER.  
IF K8Q35 = 2 EmSPeer_1617 = 3.  
VARIABLE LABELS EmSPeer_1617 "Children whose parents received day-to-day emotional support with  
parenting or raising children from peer support group".  
VALUE LABELS EmSPeer_1617  
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_1617(99).  
FORMATS EmSPeer_1617(f4.0).  
EXECUTE.
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```
COMPUTE EmSMental_1617 = EMOSUPMHP.  
IF K8Q35 = 2 EmSMental_1617 = 3.  
VARIABLE LABELS EmSMental_1617 "Children whose parents received day-to-day emotional support  
with parenting or raising children from counselor or other mental health professional".  
VALUE LABELS EmSMental_1617  
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_1617(99).  
FORMATS EmSMental_1617(f4.0).  
EXECUTE.
```

Indicator 6.16	Coping with daily demands of raising children (ParCoping_1617)
Description	How well do you think you are handling the day-to-day demands of raising children?
Survey Items Used	Survey instrument item number for children 0-5 years: H11; for children 6-11 years: H9; for children 12-17 years: H9 Variable in public use data file: K8Q30
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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 are coping with the demands of raising children" very well, not as "Percent of parents...".	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre> RECODE K8Q30 (1=1) (2=2) (3 thru 4=3) (99=99) into ParCoping_1617. VARIABLE LABELS ParCoping_1617 "Indicator 6.16: Coping with day-to-day demands of raising children". VALUE LABELS ParCoping_1617 1 "Very well" 2 "Somewhat well" 3 "Not very well or Not very well at all" 99 "Missing". MISSING VALUES ParCoping_1617(99). FORMATS ParCoping_1617(f2.0). EXECUTE. </pre>	

Indicator 6.17	Job change due to problems with child care, age 0-5 years (JobChange_1617)
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
Notes for Data-Users	
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...".	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE JobChange_1617 = K6Q27. IF SC_AGE_YEARS > 5 JobChange_1617 = 90. VARIABLE LABELS JobChange_1617 "Indicator 6.17: Job change because problems with child care, age 0-5 years". VALUE LABELS JobChange_1617 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES JobChange_1617(90,99). FORMATS JobChange_1617(f4.0). EXECUTE. </pre>	

Indicator 6.18	Stopped working and cut back hours due to child's health (StopCutWork_1617)
Description	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?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<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>	
Revisions	
<p>In 2017, this item did not change from the 2016 NSCH.</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. Prior to the 2016 NSCH, this question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). There were changes to the wording of this question in 2016. For more information about the changes click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE StopCutWork_1617 = 999. IF STOPWORK = 2 or CUTHOURS = 2 StopCutWork_1617 = 2. IF STOPWORK = 1 or CUTHOURS = 1 StopCutWork_1617 = 1. IF STOPWORK=99 and CUTHOURS=99 StopCutWork_1617 = 99. VARIABLE LABELS StopCutWork_1617 "Indicator 6.18: Family members stopped working or reduced work hours due to child's health". VALUE LABELS StopCutWork_1617 1 "Family member cut back hours or stopped working or both" 2 "Employment not affected" 99 "Missing to both". MISSING VALUES StopCutWork_1617(99). FORMATS StopCutWork_1617(f4.0). EXECUTE. </pre>	

Indicator 6.19	Avoided changing jobs to maintain insurance (AvoidChng_1617)
Description	During the past 12 months, have you or other family members avoided changing jobs because of concerns about maintaining health insurance for this child?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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...".	
Revisions	
In 2017, this item 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. Prior to the 2016 NSCH, this question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN).	
SPSS Syntax and Annotation	
<pre> COMPUTE AvoidChng_1617 = AVOIDCHG. VARIABLE LABELS AvoidChng_1617 "Indicator 6.19: Children whose family member(s) avoided changing jobs because of concerns about maintaining health insurance". VALUE LABELS AvoidChng_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES AvoidChng_1617(99). FORMATS AvoidChng_1617(f4.0). EXECUTE. </pre>	

Indicator 6.20a	Time spent providing at home health care (HomeCare_1617)
Description	In an average week, how many hours do you or other family members spend providing health care at home for this child?
Survey Items Used	Survey instrument item number for children 0-5 years: F5; for children 6-11 years: F5; for children 12-17 years: F5 Variable in public use data file: ATHOMEHC
Denominator	Children age 0-17 years who needed at home care
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this item 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. Prior to the 2016 NSCH, this question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). In the 2009/10 NS-CSHCN, responses to the question were reported in a continuous number of hours. In the 2016 NSCH, a categorical range of hours was available to select, in addition to the response, "does not need health care provided on a weekly basis". Additionally, there were changes to the wording of the question. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> RECODE ATHOMEHC (6=95) (else=copy) into HomeCare_1617. VARIABLE LABELS HomeCare_1617 "Indicator 6.20a: Time spent providing health care for child in an average week". VALUE LABELS HomeCare_1617 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_1617(95,99). FORMATS HomeCare_1617(f4.0). EXECUTE. </pre>	

Indicator 6.20b	Time spent coordinating health care (TimeCoord_1617)
Description	In an average week, how many hours do you or other family members spend arranging or coordinating health or medical care for this child?
Survey Items Used	Survey instrument item number for children 0-5 years: F6; for children 6-11 years: F6; for children 12-17 years: F6 Variable in public use data file: ARRANGEHC
Denominator	Children age 0-17 year who needed care coordination
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item. This survey question defines "arranging or coordinating health care" as making appointments and locating services.	
Revisions	
In 2017, this item 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. Prior to the 2016 NSCH, this question was asked in the 2009/10 National Survey of Children with Special Health Care Needs (NS-CSHCN). In the 2009/10 NS-CSHCN, the response was reported in a continuous number of hours. In the 2016-2017 NSCH, categorical ranges of hours were available to select, in addition to the response: "does not need health care coordinated on a weekly basis". In addition, there were minor changes to the wording of the question. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> RECODE ARRANGEHC (6=95) (else=copy) into TimeCoord_1617. VARIABLE LABELS TimeCoord_1617 "Indicator 6.20b: Time spent coordinating health care for child in an average week". VALUE LABELS TimeCoord_1617 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_1617(95,99). FORMATS TimeCoord_1617(f4.0). EXECUTE. </pre>	

Indicator 6.21	Received child care from others at least 10 hours/week, age 0-5 years (Care10hrs_1617)
Description	Does this child receive care for at least 10 hours per week from someone other than his or her parent or guardian?
Survey Items Used	Survey instrument item number for children 0-5 years: H15 Variable name in public use data file: K6Q20
Denominator	Children age 0-5 years
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this item 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. There were changes to the wording of this question in 2016. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE Care10hrs_1617 = K6Q20. IF SC_AGE_YEARS > 5 Care10hrs_1617 = 90. VARIABLE LABELS Care10hrs_1617 "Indicator 6.21: Received care from others at least 10 hours per week, age 0-5 years". VALUE LABELS Care10hrs_1617 1 "Yes" 2 "No" 99 "Missing" 90 "Children age 6-17 years". MISSING VALUES Care10hrs_1617(90,99). FORMATS Care10hrs_1617(f4.0). EXECUTE. </pre>	

Indicator 6.22	Sleep position, age 0-12 months (SleepPos_1617)
Description	In which position do you most often lay this baby down to sleep now?
Survey Items Used	Survey instrument item number for children 0-5 years: H6 Variable in public use data file: SLEEPPOS
Denominator	Children age <1 year
Numerator/Response Categories	Children who sleep on their back; Children sleep on their side; Children sleep on their stomach
Notes for Data-Users	
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 AAP website .	
Revisions	
In 2017, this item did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> RECODE SLEEPPOS (1=2) (2=1) (else=copy) into SleepPos_1617. IF SC_AGE_YEARS >= 1 SleepPos_1617 = 90. VARIABLE LABELS SleepPos_1617 "Indicator 6.22: Sleep position, age less than 12 month ". VALUE LABELS SleepPos_1617 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_1617(90,95,99). FORMATS SleepPos_1617(f2.0). EXECUTE. </pre>	

Indicator 6.24	Child goes to bed same time on weeknights (BedTime_1617)
Description	How often does this child go to bed at about the same time on weeknights?
Survey Items Used	Survey instrument item number for children 0-5 years: H4; for children 6-11 years: H4; for children 12-17 years: H4 Variable in public use data file: BEDTIME
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this item did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE BedTime_1617 = 999. IF BEDTIME = 1 BedTime_1617 = 1. IF BEDTIME = 2 BedTime_1617 = 2. IF BEDTIME = 3 BedTime_1617 = 3. IF BEDTIME = 4 or BEDTIME = 5 BedTime_1617 = 4. IF BEDTIME = 99 BedTime_1617 = 99. VARIABLE LABELS BedTime_1617 "Indicator 6.24: Go to bed at the same time on weeknights". VALUE LABELS BedTime_1617 1 "Always" 2 "Usually" 3 "Sometimes" 4 "Rarely or never" 99 "Missing". MISSING VALUES BedTime_1617(99). FORMATS BedTime_1617(f2.0). EXECUTE. </pre>	

Indicator 6.25	Adequate amount of sleep, age 4 months-17 years (HrsSleep_1617)
Description	During the past week, how many hours of sleep did this child get on an average weeknight?
Survey Items Used	Survey instrument item number for children 0-5 years: H5; for children 6-11 years: H5; for children 12-17 years: H5 Variable in public use data file: HOURSLEEP05; HOURSLEEP
Denominator	Children age 4 months-17 years
Numerator/Response Categories	Children who sleep recommended age-appropriate hours; Children who sleep less than recommended age-appropriate hours
Notes for Data-Users	
<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> <p>Children 1 to 2 years of age should sleep 11 to 14 hours per 24 hours (including naps)</p> <p>Children 3 to 5 years of age should sleep 10 to 13 hours per 24 hours (including naps)</p> <p>Children 6 to 12 years of age should sleep 9 to 12 hours per 24 hours</p> <p>Teenagers 13 to 18 years of age should sleep 8 to 10 hours per 24 hours.</p> <p>More information can be obtained from the AAP website.</p>	
Revisions	
<p>In 2017, this item did not change from the 2016 NSCH.</p> <p>This item was new in the 2016 NSCH.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE HrsSleep_1617 = 999. DO IF SC_AGE_LT4 = 2 and SC_AGE_YEARS = 0. IF HOURSLEEP05 < 7 HrsSleep_1617 = 2. IF HOURSLEEP05 = 7 HrsSleep_1617 = 1. END IF. DO IF SC_AGE_YEARS > 0 and SC_AGE_YEARS < 3. IF HOURSLEEP05 < 6 HrsSleep_1617 = 2. IF HOURSLEEP05 = 6 or HOURSLEEP05 = 7 HrsSleep_1617 = 1. END IF. DO IF SC_AGE_YEARS > 2 and SC_AGE_YEARS < 6. IF HOURSLEEP05 < 5 HrsSleep_1617 = 2. IF HOURSLEEP05 > 4 HrsSleep_1617 = 1. END IF. DO IF SC_AGE_YEARS > 5 and SC_AGE_YEARS < 13. IF HOURSLEEP < 5 HrsSleep_1617 = 2. IF HOURSLEEP > 4 HrsSleep_1617 = 1. </pre>	

```
END IF.  
DO IF SC_AGE_YEARS > 12.  
    IF HOURSLEEP < 4 HrsSleep_1617 = 2.  
    IF HOURSLEEP > 3 HrsSleep_1617 = 1.  
END IF.  
IF HOURSLEEP=99 or HOURSLEEP05=99 HrsSleep_1617 = 99.  
IF SC_AGE_LT4 = 1 HrsSleep_1617 = 95.  
VARIABLE LABELS HrsSleep_1617 "Indicator 6.25: Hours child get sleep on an average weeknights, age  
4 months-17 years".  
VALUE LABELS HrsSleep_1617  
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_1617(95,99).  
FORMATS HrsSleep_1617(f4.0).  
EXECUTE.
```

Indicator 6.26	Food insufficiency (FoodSit_1617)
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
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this item did not change from the 2016 NSCH. This item was new in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE FoodSit_1617 = FOODSIT. VARIABLE LABELS FoodSit_1617 "Indicator 6.26: Food situation in child's household in the past 12 months". VALUE LABELS FoodSit_1617 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_1617(99). FORMATS FoodSit_1617(f4.0). EXECUTE. </pre>	

Indicator 6.27	Received food or cash assistance (FoodCash_1617)
Description	Did this child live in a household that received food or cash assistance?
Survey Items Used	Survey instrument item number for children 0-5 years: 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
Denominator	Children age 0-17 years
Numerator/Response Categories	Did not receive food or cash assistance; Received 1-2 types of assistance; Received 3-4 types of assistance
Notes for Data-Users	
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.	
Revisions	
In 2017, this item 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. There were changes to the wording of this question in 2016. For more information about the question changes, click here .	
SPSS Syntax and Annotation	
<pre>COUNT FoodCash_ct = S9Q34 K11Q60 K11Q61 K11Q62(1). IF S9Q34=99 and K11Q60=99 and K11Q61=99 and K11Q62=99 FoodCash_ct = 99. VARIABLE LABELS FoodCash_ct "Number of types of food and cash assistance from 4 types asked about". RECODE FoodCash_ct (0=0) (1 thru 2 = 1) (3 thru 4 = 2) (99=99) into FoodCash_1617. VARIABLE LABELS FoodCash_1617 "Indicator 6.27: Received food or cash assistance during the past 12 months". VALUE LABELS FoodCash_1617 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_1617(99). FORMATS FoodCash_1617(f4.0). EXECUTE.</pre>	

Neighborhood Safety and Support

Indicator 7.1	Supportive neighborhood (NbhdSupp_1617)
Description	Does this child live in a supportive neighborhood?
Survey Items Used	Survey instrument item number for children 0-5 years: I9a,b,d; for children 6-11 years: I9a,b,d; for children 12-17 years: I9a,b,d ; Variable in public use data file: K10Q30; K10Q31; GOFORHELP
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who live in supportive neighborhoods; Children who live in neighborhoods that are not supportive
Notes for Data-Users	
<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>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. The 2011/12 NSCH included two questions which were dropped in the 2016 NSCH: 1) There are people I can count on in this neighborhood; and 2) If my child were outside playing and got hurt or scared, there are adults nearby who I trust to help my child. In the 2016 NSCH, one new, additional question was included: When we encounter difficulties, we know where to go for help in our community (GOFORHELP). The scoring of this measure changed in 2016. In the 2011/12 NSCH, the measure was scored based on the mean from the assigned values for the item responses. In the 2016-2017 NSCH, children are considered to live in supportive neighborhoods if their parents reported “definitely agree” to at least one of the items below and “somewhat agree” or “definitely agree” to the other two items.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE NbhdSupp_1617=999. IF (K10Q30>=2) or (K10Q31>=2) or (GOFORHELP>=2) NbhdSupp_1617=2. IF (K10Q30=1) and (K10Q31<=2) and (GOFORHELP<=2) NbhdSupp_1617=1. IF (K10Q30<=2) and (K10Q31=1) and (GOFORHELP<=2) NbhdSupp_1617=1. IF (K10Q30<=2) and (K10Q31<=2) and (GOFORHELP=1) NbhdSupp_1617=1. IF K10Q30=99 or K10Q31=99 or GOFORHELP=99 NbhdSupp_1617=99. VARIABLE LABELS NbhdSupp_1617 "Indicator 7.1: Child live is a supportive neighborhood". VALUE LABELS NbhdSupp_1617 1 "Live in supportive neighborhoods" </pre>	

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2 "Do not live in supportive neighborhoods"
99 "Missing to any".
MISSING VALUES NbhdSupp_1617(99).
FORMATS NbhdSupp_1617(f2.0).
EXECUTE.

Indicator 7.2	Safe neighborhood (NbhdSafe_1617)
Description	Does this child live in a safe neighborhood?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children whose parents definitely agree that their children are safe in the neighborhood; Children whose parents somewhat agree that their children are safe in the neighborhood; Children whose parents somewhat/definitely disagree that their children are safe in the neighborhood
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this item 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. In 2016, there were changes to the wording of this question. In addition, response options changed from "Always", "Usually", "Sometimes", or "Never" to "Definitely agree", "Somewhat agree", "Somewhat disagree" or "Definitely disagree" in the 2016 NSCH. For more information about the changes click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE NbhdSafe_1617 = 999. IF K10Q40_R = 1 NbhdSafe_1617 = 1. IF K10Q40_R = 2 NbhdSafe_1617 = 2. IF K10Q40_R =3 or K10Q40_R = 4 NbhdSafe_1617 = 3. IF K10Q40_R=99 NbhdSafe_1617 = 99. VARIABLE LABELS NbhdSafe_1617 "Indicator 7.2: Children live in safe neighborhoods". VALUE LABELS NbhdSafe_1617 1 "Definitely agree" 2 "Somewhat agree" 3 "Somewhat or definitely disagree" 99 "Missing". FORMATS NbhdSafe_1617(f2.0). MISSING VALUES NbhdSafe_1617(99). EXECUTE. </pre>	

Indicator 7.3	Safe school, age 6-17 years (SchlSafe_1617)
Description	Is this child safe at school?
Survey Items Used	Survey instrument item number for children 6-11 years: I9e; for children 12-17 years: I9e Variable in public use data file: K10Q41_R
Denominator	Children age 6-17 years
Numerator/Response Categories	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
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this item 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. In 2016, there were changes to the wording of this question. In the 2011/12 NSCH, children age 6-17 years who were either home-schooled or were not enrolled in school during the previous 12 months were not included in the denominator. Response options changed from "Always", "Usually", "Sometimes" or "Never" to "Definitely agree", "Somewhat agree", "Somewhat disagree" or "Definitely disagree" in the 2016 NSCH. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> RECODE K10Q41_R (1=1) (2=2) (3 thru 4=3) (99=99) into SchlSafe_1617. IF SC_AGE_YEARS < 6 SchlSafe_1617 = 90. VARIABLE LABELS SchlSafe_1617 "Indicator 7.3: Children who are safe at schools, age 6-17 years". VALUE LABELS SchlSafe_1617 1 "Definitely agree" 2 "Somewhat agree" 3 "Somewhat or definitely disagree" 99 "Missing" 90 "Children age 0-5 years". FORMATS SchlSafe_1617(f2.0). MISSING VALUES SchlSafe_1617(90,99). EXECUTE. </pre>	

Indicator 7.4	Neighborhood amenities (NbhdAmenities_1617)
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
Notes for Data-Users	
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.	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE SideWlks_1617 = K10Q11. VARIABLE LABELS SideWlks_1617 "Children who live in neighborhoods with sidewalks or walking paths". VALUE LABELS SideWlks_1617 1 "Neighborhood contains sidewalks or walking paths" 2 "Neighborhood does not contain sidewalks or walking paths" 99 "Missing". COMPUTE park_1617 = K10Q12. VARIABLE LABELS park_1617 "Children who live in neighborhoods with a park or playground area". VALUE LABELS park_1617 1 "Neighborhood contains a park or playground area" 2 "Neighborhood does not contain a park or playground area" 99 "Missing". COMPUTE RecCentr_1617 = K10Q13. VARIABLE LABELS RecCentr_1617 "Children who live in neighborhoods with recreation center, community center or Boys'/Girls' Club". VALUE LABELS RecCentr_1617 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>	

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```
COMPUTE library_1617 = K10Q14.  
VARIABLE LABELS library_1617 "Children who live in neighborhoods with a library or bookmobile".  
VALUE LABELS library_1617  
1 "Neighborhood contains a library or bookmobile"  
2 "Neighborhood does not contain a library or bookmobile"  
99 "Missing".
```

MISSING VALUES SideWlks_1617 park_1617 RecCentr_1617 library_1617().

```
COUNT NbhdAmenities_1617=K10Q11 K10Q12 K10Q13 K10Q14 (1).  
IF K10Q11=99 or K10Q12=99 or K10Q13=99 or K10Q14=99 NbhdAmenities_1617=99.  
VARIABLE LABELS NbhdAmenities_1617 "Count of amenities in children's neighborhoods".  
VALUE LABELS NbhdAmenities_1617  
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_1617 (f3.0).
```

MISSING VALUES NbhdAmenities_1617 (99).

Indicator 7.5	Presence of detracting neighborhood elements (NbhdDetract_1617)
Description	Does this child live in a neighborhood where there is litter or garbage on the street or sidewalk, poorly kept or rundown housing, or vandalism such as broken windows and graffiti?
Survey Items Used	Survey instrument item number for children 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
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre>COMPUTE litter_1617 = K10Q20. VARIABLE LABELS litter_1617 "Children who live in neighborhoods with litter or garbage on the street or sidewalk". VALUE LABELS litter_1617 1 "Neighborhood has litter or garbage on sidewalks and streets" 2 "Neighborhood does not have litter or garbage on sidewalks and streets" 99 "Missing".</pre>	
<pre>COMPUTE housing_1617 = K10Q22. VARIABLE LABELS housing_1617 "Children who live in neighborhoods with poorly kept or rundown housing". VALUE LABELS housing_1617 1 "Neighborhood has poorly kept or rundown housing" 2 "Neighborhood does not have poorly kept or dilapidated rundown housing" 99 "Missing".</pre>	
<pre>COMPUTE vandal_1617 = K10Q23. VARIABLE LABELS vandal_1617 "Children who live in neighborhoods with vandalism such as broken windows or graffiti ". VALUE LABELS vandal_1617 1 "Neighborhood has broken windows or graffiti" 2 "Neighborhood does not have broken windows or graffiti"</pre>	

```
99 "Missing".  
  
COMPUTE NbhdDetract_1617 = 999.  
  
COMPUTE validcomm = 0.  
COUNT validcomm=litter_1617 housing_1617 vandal_1617 (1,2).  
  
COMPUTE comm_cond = 0.  
COUNT comm_cond=litter_1617 housing_1617 vandal_1617 (1).  
VARIABLE LABELS comm_cond "Number of neighborhood condition Items".  
  
COMPUTE NbhdDetract_1617 = 999.  
IF comm_cond = 3 NbhdDetract_1617 = 3.  
IF comm_cond = 2 NbhdDetract_1617 = 2.  
IF comm_cond = 1 NbhdDetract_1617 = 1.  
IF comm_cond = 0 NbhdDetract_1617 = 0.  
IF validcomm < 3 NbhdDetract_1617 = 99.  
VARIABLE LABELS NbhdDetract_1617 "Indicator 7.5: Presence of detracting neighborhood elements in  
the neighborhood".  
VALUE LABELS NbhdDetract_1617  
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_1617(99).  
FORMATS NbhdDetract_1617(f4.0).  
EXECUTE.
```

2016 - 2017 National Survey of Children's Health

Child and Family Demographics and Subgroup Variables



	U.S. children in 3 age groups (age3_1617)
Description	What is this child's age? (3 age groups)
Survey Items Used	Screener Questionnaire item number: 3 Variable in public use data file: SC_AGE_YEARS
Denominator	Children age 0-17 years
Numerator/Response Categories	Age 0-5 years; Age 6-11 years; Age 12-17 years
Notes for Data-Users	
Uses variable SC_AGE_YEARS in the 2016-2017 NSCH data set; aggregates into three groups. Age categories were created from initial screening questions asked for all children in the survey.	
Revisions	
In 2017, this item 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. The 2016 and 2017 asked age for all children in the household; children 0-5 years were oversampled. Because young children were oversampled, the Census Bureau adjusted their weights in the final public use data file.	
SPSS Syntax and Annotation	
<pre> RECODE SC_AGE_YEARS (0 thru 5=1) (6 thru 11=2) (12 thru 17=3) into age3_1617. VARIABLE LABELS age3_1617 "Children's age in 3 categories". VALUE LABELS age3_1617 1 "0-5 years old" 2 "6-11 years old" 3 "12-17 years old". EXECUTE. </pre>	

	Sex of child (sex_1617)
Description	What is this child's sex?
Survey Items Used	Screener Questionnaire item number: 4 Variable in public use data file: SC_SEX
Denominator	Children age 0-17 years
Numerator/Response Categories	Male children; Female children
Notes for Data-Users	
The question about child's sex was asked for all children in the household in the initial screening questionnaire. The selected child's sex variable (SC_SEX) had 0.1% (2016) – 0.2% (2017) missing values. The 2016- 2017 NSCH data set includes a single imputation variable (SC_SEX) for missing values.	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre> RECODE SC_SEX (else=copy) into sex_1617. VARIABLE LABELS sex_1617 "Sex of the child". VALUE LABELS sex_1617 1 "Male" 2 "Female" 99 "Missing". MISSING VALUES sex_1617(99). FORMATS sex_1617(f4.0). EXECUTE. </pre>	

Race and ethnicity distribution of the child population (race4_1617)	
Description	What is this child's race/ethnicity?
Survey Items Used	Screener Questionnaire item number: 1,2 Variable in public use data file: SC_HISPANIC_R; SC_RACE_R
Denominator	Children age 0-17 years
Numerator/Response Categories	Hispanic children; White, non-Hispanic children; Black, non-Hispanic children; Other, non-Hispanic children
Notes for Data-Users	
<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 0.6% (2016) – 1.1% (2017) missing cases and race had 0.3% (2016) - 0.8% (2017) missing values. The 2016- 2017 NSCH data set includes single imputed values for these missing cases in the variables SC_HISPANIC_R and SC_RACE_R.</p>	
Revisions	
<p>In 2017, this item did not change from the 2016 NSCH.</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. In the 2016 and 2017 NSCH, detailed race categories for Asian were included in response options: Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian. Additional specific race categories for Pacific Islander such as Guamanian or Chamorro and Samoan were included in the 2016 and 2017 NSCH. These data are not released in the public use files.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE race4_1617 = 999. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 1) race4_1617 = 2. IF (SC_HISPANIC_R = 2) and (SC_RACE_R = 2) race4_1617 = 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_1617 = 4. IF (SC_HISPANIC_R = 1) race4_1617 = 1. IF SC_HISPANIC_R=99 or SC_RACE_R = 99 race4_1617 = 99. VARIABLE LABELS race4_1617 "Race/ethnicity categories". VALUE LABELS race4_1617 1 "Hispanic" 2 "White, non-Hispanic" 3 "Black, non-Hispanic" </pre>	

```
4 "Other/Multi-racial, non-Hispanic"  
99 "Missing to Hispanic or Race or both".  
MISSING VALUES race4_1617 (99).  
FORMATS race4_1617 (f4.0).  
EXECUTE.
```

Parental nativity (PrntNativity_1617)	
Description	What is the parent(s) generational status of this child?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	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)
Notes for Data-Users	
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.	
Revisions	
In 2017, this item 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. In the 2016 and 2017 NSCH, questions about relationship to the child and place where the adult was born were asked from two adults in the household who are the child's primary caregivers.	
SPSS Syntax and Annotation	
<pre> RECODE HOUSE_GEN (1 thru 2=2) (3=1) (4=3) (99=99) into PrntNativity_1617. VARIABLE LABELS PrntNativity_1617 "Generational status of the parents - collapsed 1st and 2nd generational status of HH". VALUE LABELS PrntNativity_1617 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_1617(99). EXECUTE. </pre>	

	Primary household language (HHLanguage_1617)
Description	What is the primary language spoken in home?
Survey Items Used	Screener Questionnaire item number (household section): 3 Variable in public use data file: HHLANGUAGE
Denominator	Children age 0-17 years
Numerator/Response Categories	Children whose primary language spoken in the household is English; Children whose primary language spoken in the household is other than English
Notes for Data-Users	
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).	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre> RECODE HHLANGUAGE (1=1) (2 thru 3=2) (99=99) into HHLanguage_1617. VARIABLE LABELS HHLanguage_1617 "Primary household language spoken in the household". VALUE LABELS HHLanguage_1617 1 "English" 2 "Other than English" 99 "Missing". MISSING VALUES HHLanguage_1617(99). FORMATS HHLanguage_1617(f4.0). EXECUTE. </pre>	

	Primary household language for Hispanic children (hisplang_1617)
Description	What is the primary language spoken in home for Hispanic children?
Survey Items Used	Screener Questionnaire item number: 1,2; 3 (household section) Variable in public use data file: SC_HISPANIC_R; HHLANGUAGE
Denominator	Children age 0-17 years
Numerator/Response Categories	Primary household language is not English, among Hispanic children; Primary household language is English, among Hispanic children; Non-Hispanic children
Notes for Data-Users	
This measure is based on the assumption that Spanish is the household language for Hispanic children living in non-English language households. Results from the 2017 NSCH indicate that only less than two percent of Hispanic children speak languages other than English and Spanish.	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE hisplang_1617 = 999. IF (SC_HISPANIC_R= 1) and (HHLANGUAGE = 2 or (HHLANGUAGE = 3)) hisplang_1617 = 1. IF (SC_HISPANIC_R = 1) and (HHLANGUAGE = 1) hisplang_1617 = 2. IF SC_HISPANIC_R = 2 hisplang_1617 = 3. IF HHLANGUAGE=99 or SC_HISPANIC_R=99 hisplang_1617 = 99. VARIABLE LABELS hisplang_1617 "Primary household language parsed to Hispanic and non-Hispanic". VALUE LABELS hisplang_1617 1 "Hispanic children, non-English PHH language" 2 "Hispanic children, English PHH language" 3 "Non-Hispanic child" 99 "Missing to any". MISSING VALUES hisplang_1617 (99). FORMATS hisplang_1617 (f4.0). EXECUTE. </pre>	

Family structure of child's household (famstruct_1617)	
Description	What is the family structure that this child lives in?
Survey Items Used	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); A1_RELATION; A2_RELATION; A1_MARITAL; A2_MARITAL; A1_SEX; A2_SEX
Denominator	Children age 0-17 years
Numerator/Response Categories	Two parents (both biological or adoptive, or one not biological or adoptive), currently married; Two parents (both biological or adoptive, or one not biological or adoptive), not currently married; Single mother (currently married, living apart, formerly married or never married); Other family type, no parent reported.
Notes for Data-Users	
The composite measure of family structure was created by the Census Bureau for the 2016 (FAMILY) and 2017 (FAMILY_R) 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.	
Revisions	
In 2017, the family structure variable in the public use file provided by Census changed compared to the 2016 NSCH. In the 2017 NSCH, single father and grandparent households were identified. The DRC family structure subgroup featured in the DRC 2016-2017 NSCH data query has the same categories as the 2016 NSCH. The individual variables FAMILY (2016) and FAMILY_R (2017) are not included in the combined 2016-2017 data set. Users who wish to analyze data for the single father and grandparent family structure can use the 2017 single year data file. 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> DO IF (YEAR=2016). RECODE FAMILY (1=1) (2=2) (3=1) (4=2) (5 thru 6=3) (7 thru 9=4) (99=99) into famstruct_1617. END IF. DO IF (YEAR=2017). RECODE FAMILY_R (1=1) (2=2) (3=1) (4=2) (5=3) (6 thru 8=4) (99=99) into famstruct_1617. END IF. VARIABLE LABELS famstruct_1617 "Family structure". VALUE LABELS famstruct_1617 </pre>	

1 "Two parents, currently married"
2 "Two parents, not currently married"
3 "Single mother"
4 "Other family type, no parent reported"
99 "Missing".
MISSING VALUES famstruct_1617(99).
FORMATS famstruct_1617 (F4.0).

Income level of child's household (povlev4_1617)	
Description	What is the income level (federal poverty level, FPL) of the household that this child lives in?
Survey Items Used	Survey instrument item number for children 0-5 years: K1-K4; for children 6-11 years: K1-K4; for children 12-17 years: K1-K4 Variable in public use data file: FPL_I1
Denominator	Children age 0-17 years
Numerator/Response Categories	0-99% FPL; 100-199% FPL; 200-399% FPL; 400% FPL or more
Notes for Data-Users	
<p>The child's household poverty level is derived from responses on the survey about family income. The poverty level variable had 16.03% (2017) - 18.56% (2016) missing values, which may result in biased estimates. Therefore, the missing values were imputed in each individual survey year by Census. The impact of missing values on population count estimates is available on the DRC website.</p> <p>The 2016 NSCH topical public data file provided by the Census Bureau has the derived poverty level variable that included values based on the first of six imputations (FPL_I1). A separate data file and documentation containing all six imputation for the poverty level variable is available on the United States Census Bureau website. The 2017 NSCH topical public use file contains all 6 imputed FPL (FPL_I1-FPL_I6) variables.</p> <p>The poverty level variable povlev4_1617 in the DRC 2016-17 NSCH data set was generated using a single imputation value from the 2016 and 2017 data files (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 data set for users who wish to estimate multiple imputed poverty level.</p>	
Revisions	
<p>In 2017, this item did not change from the 2016 NSCH.</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>	
SPSS Syntax and Annotation	
<pre> RECODE FPL_I1 (0 thru 99=1) (100 thru 199=2) (200 thru 399=3) (400 thru HIGHEST=4) into povlev4_1617. VARIABLE LABELS povlev4_1617 "Poverty level of this household based on DHHS guidelines - Imputed". VALUE LABELS povlev4_1617 1 "0-99% FPL" 2 "100-199% FPL" 3 "200-399% FPL" 4 "400% FPL or greater". FORMATS povlev4_1617 (F4.0). </pre>	

Income level of child's household - SCHIP groupings (povSCHIP_1617)	
Description	What is the income level (federal poverty level, FPL) of the household that this child lives in based on the State Children's Health Insurance Program (SCHIP) income groups?
Survey Items Used	Survey instrument item number for children 0-5 years: K1-K4; for children 6-11 years: K1-K4; for children 12-17 years: K1-K4 Variable in public use data file: FPL_I1
Denominator	Children age 0-17 years
Numerator/Response Categories	0-199% FPL; 200-299% FPL; 300-399% FPL; 400% FPL or more
Notes for Data-Users	
<p>The child's household poverty level is derived from responses on the survey about family income. The poverty level variable had 16.03% (2017) - 18.56% (2016) missing values, which may result in biased estimates. Therefore, the missing values were imputed in each individual survey year by Census. The impact of missing values on population count estimates is available on the DRC website.</p> <p>The 2016 NSCH topical public data file provided by the Census Bureau has the derived poverty level variable that included values based on the first of six imputations (FPL_I1). A separate data file and documentation containing all six imputation for the poverty level variable is available on the United States Census Bureau website. The 2017 NSCH topical public use file contains all 6 imputed FPL (FPL_I1-FPL_I6) variables.</p> <p>The poverty level variable povSCHIP_1617 in the DRC 2016-17 NSCH data set was generated using a single imputation value from the 2016 and 2017 data files (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 data set for users who wish to estimate multiple imputed poverty level.</p>	
Revisions	
<p>In 2017, this item did not change from the 2016 NSCH.</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>	
SPSS Syntax and Annotation	
<pre> RECODE FPL_I1 (0 thru 199=1) (200 thru 299=2) (300 thru 399=3) (400 thru HIGHEST=4) into povSCHIP_1617. VARIABLE LABELS povSCHIP_1617 "Poverty level of this household based on DHHS guidelines - Imputed recoded into 4 categories based on SCHIP qualification". VALUE LABELS povSCHIP_1617 1 "0-199% FPL" 2 "200-299% FPL" 3 "300-399% FPL" 4 "400% FPL or greater". FORMATS povSCHIP_1617 (F4.0). </pre>	

	Highest education of adult in household (AdultEduc_1617)
Description	What is the highest education of adult in this child's household?
Survey Items Used	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_TVVIS (derived); A1_GRADE, A2_GRADE
Denominator	Children age 0-17 years
Numerator/Response Categories	Less than high school education; High school or GED; Some college or technical school; College degree or higher
Notes for Data-Users	
The highest education level reported by Adult 1 and Adult 2 (if any) who are identified as the child's primary care giver was considered for this measure.	
Revisions	
In 2017, this item 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. The 2011/12 asked the highest education level of parents first and then non-parent respondent if the respondent is not the child's mother or father. Highest education level of 2 adults (if any) in the household who are the child's primary caregiver(s) were asked in the 2016 and 2017 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE AdultEduc_1617 = HIGRADE_TVVIS. VARIABLE LABELS AdultEduc_1617 "Highest level of education among reported adults". VALUE LABELS AdultEduc_1617 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_1617(99). FORMATS AdultEduc_1617(f4.0). EXECUTE. </pre>	

	Children who were born in US (BornUSA_1617)
Description	Was this child born in the United States?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who were born in US; Children who were born outside of US
Notes for Data-Users	
N/A	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre>COMPUTE BornUSA_1617 = BORNUSA. VARIABLE LABELS BornUSA_1617 "Children who were born in US". VALUE LABELS BornUSA_1617 1 "Children were born in US" 2 "Children were born outside of US" 99 "Missing". MISSING VALUES BornUSA_1617(99).</pre>	

	Number of family members in the household (FamCount_1617)
Description	How many of the people living or staying in the child's household are family members?
Survey Items Used	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
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
In the question family is defined as "anyone related to this child by blood, marriage, adoption, or through foster care".	
Revisions	
In 2017, this item 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.	
SPSS Syntax and Annotation	
<pre> RECODE FAMCOUNT (1 thru 2 = 1) (3=2) (4=3) (5=4) (6 thru 8 = 5) (99=99) into FamCount_1617. VARIABLE LABELS FamCount_1617 "Number of family members in the household". VALUE LABELS FamCount_1617 1 "1 or 2 people" 2 "3 people" 3 "4 people" 4 "5 people" 5 "6 or more people". MISSING VALUES FamCount_1617(99). EXECUTE. </pre>	

Title V Block Grant Measures

National Performance and Outcome Measures



National Performance Measures

NPM 6	Developmental screening, age 9-35 months (npm6DSc_1617)
Description	Percent of children, ages 9 through 35 months, who received a developmental screening using a parent-completed screening tool in the past year
Survey Items Used	Survey instrument item number for children 0-5 years: C8 Variable in public use data file: K6Q12; K6Q13A; K6Q13B; K6Q14A; K6Q14B
Denominator	Children age 9-35 months
Numerator/Response Categories	Children whose parent did not complete a standardized developmental screening tool; Children whose parent completed a standardized developmental screening tool
Notes for Data-Users	
<p>The AAP recommends that all children should be screened for developmental delays during their regular well-check visits at 9, 18, 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>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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. In the 2011/12 NSCH, developmental screening questions were asked among children 10 months to 71 months (5 years) who received one or more types of services: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES>0). In the 2016 and 2017 NSCH, these questions were asked among children 9-71 months. However, the denominator of this measure changed to all children 9-35 months to align with the AAP/Bright Futures screening recommendations. For more information on content changes, click here.</p>	
SPSS Syntax and Annotation	
<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 > 1 and SC_AGE_YEARS < 6 both_9to23 = 95. IF SC_AGE_YEARS > 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" </pre>	

95 "Children age 0-8 months or 2-5 years"

90 "Children age 6-17 years".

EXECUTE.

COMPUTE both_24to35 = 999.

IF K6Q14A=2 or K6Q14B=2 both_24to35 = 2.

IF (K6Q14A = 1 or 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_1617 = 999.

IF both_9to23 = 1 or both_24to35 = 1 DevScrnng_1617 = 1.

IF K6Q12 = 2 DevScrnng_1617 = 2.

IF both_9to23 = 2 or both_24to35 = 2 DevScrnng_1617 = 2.

IF both_9to23 = 99 or both_24to35 = 99 DevScrnng_1617 = 99.

IF K6Q12 = 99 DevScrnng_1617 = 99.

IF SC_AGE_LT9 = 1 or (SC_AGE_YEARS>2 and SC_AGE_YEARS<6) DevScrnng_1617 = 95.

IF SC_AGE_YEARS > 5 DevScrnng_1617 = 90.

VARIABLE LABELS DevScrnng_1617 "Indicator 4.10: Children who received a developmental screening using a parent-completed screening tool, age 9-35 months".

VALUE LABELS DevScrnng_1617

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_1617(90,95,99).

EXECUTE.

COMPUTE npm6DSc_1617 = DevScrnng_1617.

VARIABLE LABELS npm6DSc_1617 "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_1617

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_1617(90,95,99).

FORMATS npm6DSc_1617(f4.0).

EXECUTE.

NPM 8.1	Physical activity, age 6-11 years (npm8PhAc6to11_1617)
Description	Percent of children, ages 6 through 11, who are physically active at least 60 minutes per day
Survey Items Used	Survey instrument item number for children 6-11 years: G6 Variable name in public use data file: PHYSACTIV
Denominator	Children age 6-11 years
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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. The content of this measure changed in 2016. In the 2011/12 NSCH, parents were asked if a child regularly completed 20 minutes of physical activity per day. The 2016 and 2017 NSCH ask if a child regularly completes 60 minutes of physical activity per day, reflecting the National Performance Measure #8. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. For more information on content changes in 2016, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE PhysAct_1617 = PHYSACTIV. IF SC AGE YEARS < 6 PhysAct_1617 = 90. VARIABLE LABELS PhysAct_1617 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_1617 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_1617(90,99). FORMATS PhysAct_1617(f2.0). EXECUTE. COMPUTE npm8PhAc6to11_1617 = PhysAct_1617. IF SC AGE YEARS < 6 npm8PhAc6to11_1617 = 90. IF SC AGE YEARS > 11 npm8PhAc6to11_1617 = 95. VARIABLE LABELS npm8PhAc6to11_1617 "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_1617 1 "0 days" 2 "1-3 days" </pre>	

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```
3 "4-6 days"  
4 "Everyday"  
99 "Missing"  
90 "Children age 0-5 years"  
95 "Children age 12-17 years".  
MISSING VALUES npm8PhAc6to11_1617(90,95,99).  
FORMATS npm8PhAc6to11_1617(f2.0).  
EXECUTE.
```

NPM 8.2	Physical activity, age 12-17 years (npm8PhAc12to17_1617)
Description	Percent of adolescents, ages 12 through 17, who are physically active at least 60 minutes per day
Survey Items Used	Survey instrument item number for children 12-17 years: G6 Variable name in public use data file: PHYSACTIV
Denominator	Children age 12-17 years
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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. The content of this measure changed in 2016. In the 2011/12 NSCH, parents were asked if a child regularly completed 20 minutes of physical activity per day. The 2016 and 2017 NSCH ask if a child regularly completes 60 minutes of physical activity per day, reflecting the National Performance Measure #8. In the 2011/12 NSCH, answer choices were open-ended and survey respondents could indicate up to 7 days. For more information on content changes in 2016, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE PhysAct_1617 = PHYSACTIV. IF SC_AGE_YEARS < 6 PhysAct_1617 = 90. VARIABLE LABELS PhysAct_1617 "Indicator 1.5 Children who are physically active at least 60 minutes per day, age 6-17 years". VALUE LABELS PhysAct_1617 1 "0 days" 2 "1-3 days" 3 "4-6 days" 4 "Everyday" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES PhysAct_1617(90,99). FORMATS PhysAct_1617(f2.0). EXECUTE. COMPUTE npm8PhAc12to17_1617 = PhysAct_1617. IF SC_AGE_YEARS < 6 npm8PhAc12to17_1617 = 90. IF SC_AGE_YEARS > 5 and SC_AGE_YEARS < 12 npm8PhAc12to17_1617 = 95. VARIABLE LABELS npm8PhAc12to17_1617 "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_1617 1 "0 days" 2 "1-3 days" </pre>	

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```
3 "4-6 days"  
4 "Everyday"  
99 "Missing"  
90 "Children age 0-5 years"  
95 "Children age 6-11 years".  
MISSING VALUES npm8PhAc12to17_1617(90,95,99).  
FORMATS npm8PhAc12to17_1617(f2.0).  
EXECUTE.
```

NPM 9	Bully others, age 12-17 years (npm9bully_1617)
Description	Percent of adolescents, ages 12 through 17, who bully others
Survey Items Used	Survey instrument item number for children 12-17 years: A3g Variable name in public use data file: K7Q71_R
Denominator	Children age 12-17 years
Numerator/Responsible Categories	Adolescents, ages 12 through 17, who are reported by a parent/guardian to bully others
Notes for Data-Users	
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.	
Revisions	
In 2017, the content of this measure did not change from the 2016 NSCH. The wording of the stem question has changed 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. In 2016, response options changed from "Never, Rarely, Sometimes, Usually, or Always True" to "Definitely True, Somewhat True, or Not True". For more information on content changes, click here .	
SPSS Syntax and Annotation	
<pre> RECODE K7Q71_R (1 thru 2=1) (3=2) (99=99) into bully_1617. IF SC_AGE_YEARS < 6 bully_1617 = 90. VARIABLE LABELS bully_1617 "Indicator 2.1: Children bully others, pick on them or exclude them, age 6-17 years". VALUE LABELS bully_1617 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bully_1617(90,99). EXECUTE. COMPUTE npm9bully_1617 = bully_1617. IF SC_AGE_YEARS < 6 npm9bully_1617 = 90. IF SC_AGE_YEARS > 5 and SC_AGE_YEARS < 12 npm9bully_1617 = 95. VARIABLE LABELS npm9bully_1617 "National Performance Measure 9: Percent of adolescents, age 12-17 years, who bully others". VALUE LABELS npm9bully_1617 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years" 95 "Children age 6-11 years". </pre>	

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MISSING VALUES npm9bully_1617(90,95,99).

FORMATS npm9bully_1617(f4.0).

EXECUTE.

NPM 9	Bullied, age 12-17 years (npm9bullied_1617)
Description	Percent of adolescents, ages 12 through 17, who are bullied
Survey Items Used	Survey instrument item number for children 12-17 years: A3g Variable name in public use data file: BULLIED
Denominator	Children age 12-17 years
Numerator/Responsible Categories	Adolescents, ages 12 through 17, who are reported by a parent/guardian to be bullied
Notes for Data-Users	
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.	
Revisions	
In 2017, the content of this measure did not change from the 2016 NSCH. The wording of the stem question has changed in 2017. This question was asked for the first time in 2016 NSCH. The 2011/12 NSCH and 2009/10 NS-CSHCN only asked about children who bully others. The 2016 NSCH asked if a child "is bullied, picked on, or excluded by other children". For more information on content changes in 2016, click here .	
SPSS Syntax and Annotation	
<pre> RECODE BULLIED (1 thru 2=1) (3=2) (99=99) into bullied_1617. IF SC_AGE_YEARS < 6 bullied_1617 = 90. VARIABLE LABELS bullied_1617 "Indicator 2.2: Children who are bullied, picked on, or excluded by other children, age 6-17 years". VALUE LABELS bullied_1617 1 "Definitely or somewhat true" 2 "Not true" 99 "Missing" 90 "Children age 0-5 years". MISSING VALUES bullied_1617(90,99). EXECUTE. COMPUTE npm9bullied_1617 = bullied_1617. IF SC_AGE_YEARS < 6 npm9bullied_1617 = 90. IF SC_AGE_YEARS > 5 and SC_AGE_YEARS < 12 npm9bullied_1617 = 95. VARIABLE LABELS npm9bullied_1617 "National Performance Measure 9: Percent of adolescents, age 12- 17 years, who are bullied". VALUE LABELS npm9bullied_1617 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_1617(90,95,99). FORMATS npm9bullied_1617(f4.0). </pre>	

NPM 10	Preventive medical visit, age 12-17 years (npm10PrVi_1617)
Description	Percent of adolescents, ages 12 through 17, with a preventive medical visit in the past year
Survey Items Used	Survey instrument item number for children 0-5 years: C2;C1; for children 6-11 years: C2;C1; for children 12-17 years: C2;C1 Variable name in public use data file: S4Q01; K4Q20R
Denominator	Children age 12-17 years
Numerator/Response Categories	Children who had one or more preventive medical visits in the past 12 months; Children who did not have preventive medical visits during past 12 months
Notes for Data-Users	
This question was asked among children who had a health care visit in the past 12 months.	
Revisions	
In 2017, this measure 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. In 2016, there were changes to the wording of this question. The 2011/12 NSCH asked parents to report the number of preventive medical care visits during the past 12 months, and the response was reported as a continuous number. Response options were reported as categorical (0, 1 or 2 or more) in the 2016 and 2017 NSCH. For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre> COMPUTE PrevMed_1617 = 999. IF K4Q20R=2 or K4Q20R = 3 PrevMed_1617 = 1. IF K4Q20R = 1 PrevMed_1617 = 2. IF S4Q01 = 2 PrevMed_1617 = 2. IF K4Q20R=99 PrevMed_1617 = 99. IF S4Q01=99 PrevMed_1617 = 99. VARIABLE LABELS PrevMed_1617 "Indicator 4.1a: Children who had one or more preventive medical care visits during past 12 months". VALUE LABELS PrevMed_1617 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing". MISSING VALUES PrevMed_1617(99). FORMATS PrevMed_1617(f2.0). EXECUTE. COMPUTE npm10PrVi_1617 = PrevMed_1617. IF SC_AGE_YEARS < 12 npm10PrVi_1617 = 95. VARIABLE LABELS npm10PrVi_1617 "National Performance Measure 10: Percent of adolescents, age 12-17 years, with a preventive medical visit in the past year". VALUE LABELS npm10PrVi_1617 1 "One or more preventive visits" 2 "No preventive care visits" 99 "Missing" </pre>	

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95 "Children age 0-11 years".
MISSING VALUES npm10PrVi_1617(95,99).
FORMATS npm10PrVi_1617(f2.0).
EXECUTE.

NPM 11	Medical home, children with special health care needs (CSHCN) (npm11MHCSHCN_1617)
Description	Percent of children with special health care needs, ages 0 through 17, who have a medical home
Survey Items Used	<p>Survey instrument item number for children 0-5 years: C9,C10, D1-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 with special health care needs age 0-17 years
Numerator/Response Categories	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)
Notes for Data-Users	
<p>The American Academy of Pediatrics specifies seven qualities essential to medical home care: accessible, family-centered, continuous, comprehensive, coordinated, compassionate and culturally effective care. Ideally, medical home care is delivered within the context of a trusting and collaborative relationship between the child's family and a competent health professional who is familiar with the child and family and the child's health history. In the 2016 and 2017 combined 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"> - Personal doctor or nurse (Indicator 4.12a: PerDrNs_1617) - Usual source for sick care (Indicator 4.12b: UsualSck_1617) - Family-centered care (Indicator 4.12c: FamCent_1617) - Problems getting needed referrals (Indicator 4.12d: NoRefPrb_1617) - Effective Care Coordination when needed. (Indicator 4.12e: CareCoor_1617) <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 at the CAHMI website. The medical home manual developed by the CAHMI is available here</p>	
Revisions	
<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. In the 2016 NSCH, there are a few changes to the Medical Home composite measure compared to the 2011/12 NSCH:</p> <p>(1) Usual source for care subcomponent: Even though the 2016 and 2017 NSCH now ask about a usual</p>	

source for preventive care, this subcomponent still only includes the usual source for sick care items. Additionally, in the 2016 and 2017 NSCH, the response options for the follow up item about the type of places child usually goes for sick care do not include "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".

(2) Care coordination subcomponent: In the 2011/12 NSCH, the care coordination component was measured among all children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES>1). In the 2016 and 2017 NSCH, the number of children who needed care coordination was defined based on the parent's response to the question: "Does anyone help you to arrange or coordinate care among different doctors or services that this child uses?" If the parent responded, "Did not see more than one health care provider in past 12 months" to the question (K5Q20_R), it was assumed the child did not need care coordination.

(3) In the 2011/12 NSCH, when any component of medical home was missing, the entire composite medical home measure was considered missing. In the NSCH 2016 and 2017, the composite medical home measure is only considered missing if all components are missing. Therefore, children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home. For more information on content changes, [click here](#).

SPSS Syntax and Annotation

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

```
COMPUTE PerDrNs_1617 = 999.
IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_1617 = 1.
IF K4Q04_R = 3 PerDrNs_1617 = 2.
IF K4Q04_R=99 PerDrNs_1617 = 99.
VARIABLE LABELS PerDrNs_1617 "Indicator 4.12a: Medical Home Component: Children with a personal
doctor or nurse".
VALUE LABELS PerDrNs_1617
1 "Yes, have at least one personal doctor or nurse"
2 "Do not have a personal doctor or nurse"
99 "Missing".
MISSING VALUES PerDrNs_1617(99).
FORMATS PerDrNs_1617(f4.0).
```

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

```
COMPUTE UsualSck_1617 = 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_1617 = 1.
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_1617 = 2.
IF K4Q01=99 or K4Q02_R=99 UsualSck_1617 = 99.
VARIABLE LABELS UsualSck_1617 "Usual sources for sick care".
VALUE LABELS UsualSck_1617
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_1617 = 999.
IF S4Q01 = 2 time_1617 = 0.
IF K5Q40 = 3 or K5Q40 = 4 time_1617 = 3.
IF K5Q40 = 2 time_1617 = 2.
IF K5Q40 = 1 time_1617 = 1.
```

```

IF K5Q40 = 99 time_1617 = 99.
VARIABLE LABELS time_1617 "Doctors spent enough time with children".
VALUE LABELS time_1617
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_1617(99).

COMPUTE listen_1617 = 999.
IF S4Q01 = 2 listen_1617 = 0.
IF K5Q41 = 3 or K5Q41 = 4 listen_1617 = 3.
IF K5Q41 = 2 listen_1617 = 2.
IF K5Q41 = 1 listen_1617 = 1.
IF K5Q41 = 99 listen_1617 = 99.
VARIABLE LABELS listen_1617 "Doctors listened carefully to children's parents".
VALUE LABELS listen_1617
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_1617(99).

COMPUTE sensitiv_1617 = 999.
IF S4Q01 = 2 sensitiv_1617 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_1617 = 3.
IF K5Q42 = 2 sensitiv_1617 = 2.
IF K5Q42 = 1 sensitiv_1617 = 1.
IF K5Q42 = 99 sensitiv_1617 = 99.
VARIABLE LABELS sensitiv_1617 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_1617
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_1617(99).

COMPUTE info_1617 = 999.
IF S4Q01 = 2 info_1617 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_1617 = 3.
IF K5Q43 = 2 info_1617 = 2.
IF K5Q43 = 1 info_1617 = 1.
IF K5Q43 = 99 info_1617 = 99.
VARIABLE LABELS info_1617 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_1617
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_1617(99).

COMPUTE partner_1617 = 999.
IF S4Q01 = 2 partner_1617 = 0.

```

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```
IF K5Q44 = 3 or K5Q44 = 4 partner_1617 = 3.  
IF K5Q44 = 2 partner_1617 = 2.  
IF K5Q44 = 1 partner_1617 = 1.  
IF K5Q44 = 99 partner_1617 = 99.  
VARIABLE LABELS partner_1617 "Doctors helped parents to feel like partners in child's care".  
VALUE LABELS partner_1617  
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_1617(99).  
  
COMPUTE FamCent_1617 = 999.  
IF (time_1617 = 3 or time_1617=99) or (listen_1617 = 3 or listen_1617 =99) or (sensitiv_1617 = 3 or  
sensitiv_1617=99) or (info_1617 = 3 or info_1617=99) or  
(partner_1617 = 3 or partner_1617=99) FamCent_1617 = 2.  
IF (time_1617=1 or time_1617=2 or time_1617=99) and (listen_1617=1 or listen_1617=2 or  
listen_1617=99) and (sensitiv_1617=1 or sensitiv_1617=2 or sensitiv_1617=99) and  
(info_1617=1 or info_1617=2 or info_1617=99) and (partner_1617=1 or partner_1617=2 or  
partner_1617=99) FamCent_1617 = 1.  
IF time_1617 = 0 FamCent_1617 = 0.  
IF time_1617 = 99 and listen_1617 = 99 and sensitiv_1617 = 99 and info_1617 = 99 and partner_1617 =  
99 FamCent_1617 = 99.  
VARIABLE LABELS FamCent_1617 "Indicator 4.12c: Medical Home Component: Family-centered care".  
VALUE LABELS FamCent_1617  
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_1617(0,99)  
  
***Indicator 4.12d: Medical Home Component: Problems getting referrals, all children  
  
RECODE K5Q11  
(else=copy) into NoRefPrb_1617.  
IF K5Q10=99 NoRefPrb_1617 = 99.  
IF K5Q10 = 2 NoRefPrb_1617 = 0.  
VARIABLE LABELS NoRefPrb_1617 "Indicator 4.12d: Medical Home Component: Problems getting  
needed referrals, all children".  
VALUE LABELS NoRefPrb_1617  
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_1617(99).  
  
***Indicator 4.12e: Medical Home Component: Effective care coordination, all children  
  
COMPUTE DrComm_1617 = 999.  
IF K5Q30 = 1 DrComm_1617 = 1.  
IF K5Q30 = 2 DrComm_1617 = 2.  
IF K5Q30 = 3 or K5Q30 = 4 DrComm_1617 = 3.  
IF K5Q30 = 99 DrComm_1617 = 99.  
IF K5Q20_R = 3 or S4Q01 = 2 DrComm_1617 = 0.  
VARIABLE LABELS DrComm_1617 "Satisfaction with communication among child's doctor and other
```

health care provider".

VALUE LABELS DrComm_1617

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_1617().

COMPUTE CareHelp_1617 = 999.

IF K5Q22 = 1 CareHelp_1617 = 1.

IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_1617 = 1.

IF K5Q22 = 2 or K5Q22 = 3 CareHelp_1617 = 2.

IF K5Q21 = 99 or K5Q22 = 99 CareHelp_1617 = 99.

IF K5Q20_R = 99 CareHelp_1617 = 99.

IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_1617 = 0.

IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_1617 = 0.

IF S4Q01 = 99 CareHelp_1617 = 99.

VARIABLE LABELS CareHelp_1617 "Got all needed extra help with care coordination when needed".

VALUE LABELS CareHelp_1617

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_1617 = 999.

IF S4Q01 = 2 or K5Q31_R = 2 or K5Q31_R = 3 OthComm_1617 = 0.

IF K5Q32 = 1 OthComm_1617 = 1.

IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm_1617 = 2.

IF K5Q32 = 99 OthComm_1617 = 99.

IF K5Q31_R = 99 OthComm_1617 = 99.

VARIABLE LABELS OthComm_1617 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".

VALUE LABELS OthComm_1617

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_1617 DrComm_1617 OthComm_1617().

*** Indicator 4.12e: Medical Home Component: Effective care coordination, all children

COMPUTE CareCoor_1617 = 999.

IF (CareHelp_1617 = 2 or CareHelp_1617=99) or (DrComm_1617 = 2 or DrComm_1617 = 3 or DrComm_1617=99) or (OthComm_1617 = 2 or OthComm_1617=99) CareCoor_1617 = 2.

IF (CareHelp_1617 = 0 or CareHelp_1617 = 1 or CareHelp_1617=99) and (DrComm_1617=0 or DrComm_1617 =1 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 1 or OthComm_1617=99) CareCoor_1617 = 1.

IF (CareHelp_1617 = 0 or CareHelp_1617=99) and (DrComm_1617 = 0 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 99) CareCoor_1617 = 0.

IF CareHelp_1617 = 99 and DrComm_1617 = 99 and OthComm_1617 = 99 CareCoor_1617 = 99.

VARIABLE LABELS CareCoor_1617 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".

VALUE LABELS CareCoor_1617

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"

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

99 "Missing to all".

MISSING VALUES CareCoor_1617(99).

***Medical Home

COMPUTE MedHome_1617 = 999.

IF (PerDrNs_1617 = 1 or PerDrNs_1617=99) and (UsualSck_1617 = 1 or UsualSck_1617=99) and
(NoRefPrb_1617=1 or NoRefPrb_1617 =0 or NoRefPrb_1617=99) and
(FamCent_1617=1 or FamCent_1617=0 or FamCent_1617=99) and (CareCoor_1617=1 or
CareCoor_1617=0 or CareCoor_1617=99) MedHome_1617 = 1.

IF PerDrNs_1617 = 2 or UsualSck_1617 = 2 or (NoRefPrb_1617 = 2 or NoRefPrb_1617=3) or
FamCent_1617 = 2 or CareCoor_1617 = 2 MedHome_1617 = 2.

IF PerDrNs_1617 = 99 and UsualSck_1617 = 99 and (FamCent_1617 = 99 or FamCent_1617 = 0) and
(NoRefPrb_1617 = 99 or NoRefPrb_1617=0) and (CareCoor_1617 = 99 or CareCoor_1617 = 0)
MedHome_1617 = 99.

VARIABLE LABELS MedHome_1617 "Indicator 4.12: Children receiving coordinated, ongoing,
comprehensive care within a medical home".

VALUE LABELS MedHome_1617

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to all".

MISSING VALUES MedHome_1617(99).

*****National Performance Measure 11: Percent of children with special health care needs, ages 0 through
17, who have a medical home*

COMPUTE npm11MHCSHCN_1617 = MedHome_1617.

IF SC_CSHCN = 2 npm11MHCSHCN_1617 = 95.

VARIABLE LABELS npm11MHCSHCN_1617 "National Performance Measure 11: Percent of children with
special health care needs, ages 0 through 17, who have a medical home".

VALUE LABELS npm11MHCSHCN_1617

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to any"

95 "Non-CSHCN".

MISSING VALUES npm11MHCSHCN_1617(95,99).

FORMATS npm11MHCSHCN_1617(f4.0).

EXECUTE.

NPM 11	Medical home, children without special health care needs (Non-CSHCN) (npm11MHnonCSHCN_1617)
Description	Percent of children without special health care needs, ages 0 through 17, who have a medical home
Survey Items Used	Survey instrument item number for children 0-5 years: C9,C10, D1-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
Denominator	Children without special health care needs ages 0 through 17
Numerator/Response Categories	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)
Notes for Data-Users	
<p>The American Academy of Pediatrics specifies seven qualities essential to medical home care: accessible, family-centered, continuous, comprehensive, coordinated, compassionate and culturally effective care. Ideally, medical home care is delivered within the context of a trusting and collaborative relationship between the child's family and a competent health professional who is familiar with the child and family and the child's health history. In the 2016 and 2017 combined 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"> - Personal doctor or nurse (Indicator 4.12a: PerDrNs_1617) - Usual source for sick care (Indicator 4.12b: UsualSck_1617) - Family-centered care (Indicator 4.12c: FamCent_1617) - Problems getting needed referrals (Indicator 4.12d: NoRefPrb_1617) - Effective Care Coordination when needed. (Indicator 4.12e: CareCoor_1617) <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 at the CAHMI website. The medical home manual developed by the CAHMI is available here.</p>	
Revisions	
<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. In the 2016 NSCH, there are a few changes to the Medical Home composite measure compared to the 2011/12 NSCH:</p> <p>(1) Usual source for care subcomponent: Even though the 2016 and 2017 NSCH now ask about a usual</p>	

source for preventive care, this subcomponent still only includes the usual source for sick care items. Additionally, in the 2016 and 2017 NSCH, the response options for the follow up item about the type of places child usually goes for sick care do not include "Friend/Relative", "Mexico/Other locations out of US", and "Does not go to one place most often".

(2) Care coordination subcomponent: In the 2011/12 NSCH, the care coordination component was measured among all children who received more than one type of service: medical, dental, mental health care or received/needed a specialist care (NUMB_SERVICES>1). In the 2016 and 2017 NSCH, the number of children who needed care coordination was defined based on the parent's response to the question: "Does anyone help you to arrange or coordinate care among different doctors or services that this child uses?" If the parent responded, "Did not see more than one health care provider in past 12 months" to the question (K5Q20_R), it was assumed the child did not need care coordination.

(3) In the 2011/12 NSCH, when any component of medical home was missing, the entire composite medical home measure was considered missing. In the NSCH 2016 and 2017, the composite medical home measure is only considered missing if all components are missing. Therefore, children with a valid, positive response to at least one component and the remainder of the components were missing or legitimately skipped are categorized as having a medical home. For more information on content changes, [click here](#).

SPSS Syntax and Annotation

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

```
COMPUTE PerDrNs_1617 = 999.  
IF K4Q04_R = 1 or K4Q04_R = 2 PerDrNs_1617 = 1.  
IF K4Q04_R = 3 PerDrNs_1617 = 2.  
IF K4Q04_R=99 PerDrNs_1617 = 99.  
VARIABLE LABELS PerDrNs_1617 "Indicator 4.12a: Medical Home Component: Children with a personal  
doctor or nurse".  
VALUE LABELS PerDrNs_1617  
1 "Yes, have at least one personal doctor or nurse"  
2 "Do not have a personal doctor or nurse"  
99 "Missing".  
MISSING VALUES PerDrNs_1617(99).  
FORMATS PerDrNs_1617(f4.0).
```

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

```
COMPUTE UsualSck_1617 = 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_1617 = 1.  
IF K4Q01 = 2 or K4Q02_R = 2 UsualSck_1617 = 2.  
IF K4Q01=99 or K4Q02_R=99 UsualSck_1617 = 99.  
VARIABLE LABELS UsualSck_1617 "Usual sources for sick care".  
VALUE LABELS UsualSck_1617  
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_1617 = 999.  
IF S4Q01 = 2 time_1617 = 0.  
IF K5Q40 = 3 or K5Q40 = 4 time_1617 = 3.  
IF K5Q40 = 2 time_1617 = 2.  
IF K5Q40 = 1 time_1617 = 1.
```

```

IF K5Q40 = 99 time_1617 = 99.
VARIABLE LABELS time_1617 "Doctors spent enough time with children".
VALUE LABELS time_1617
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_1617(99).

COMPUTE listen_1617 = 999.
IF S4Q01 = 2 listen_1617 = 0.
IF K5Q41 =3 or K5Q41 = 4 listen_1617 = 3.
IF K5Q41 = 2 listen_1617 = 2.
IF K5Q41 = 1 listen_1617 = 1.
IF K5Q41 = 99 listen_1617 = 99.
VARIABLE LABELS listen_1617 "Doctors listened carefully to children's parents".
VALUE LABELS listen_1617
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_1617(99).

COMPUTE sensitiv_1617 = 999.
IF S4Q01 = 2 sensitiv_1617 = 0.
IF K5Q42 = 3 or K5Q42 = 4 sensitiv_1617 = 3.
IF K5Q42 = 2 sensitiv_1617 = 2.
IF K5Q42 = 1 sensitiv_1617 = 1.
IF K5Q42 = 99 sensitiv_1617 = 99.
VARIABLE LABELS sensitiv_1617 "Doctors showed sensitivity to children's family's values and customs".
VALUE LABELS sensitiv_1617
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_1617(99).

COMPUTE info_1617 = 999.
IF S4Q01 = 2 info_1617 = 0.
IF K5Q43 = 3 or K5Q43 = 4 info_1617 = 3.
IF K5Q43 = 2 info_1617 = 2.
IF K5Q43 = 1 info_1617 = 1.
IF K5Q43 = 99 info_1617 = 99.
VARIABLE LABELS info_1617 "Doctors provided information specific to parents' concerns".
VALUE LABELS info_1617
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_1617(99).

COMPUTE partner_1617 = 999.
IF S4Q01 = 2 partner_1617 = 0.

```

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```
IF K5Q44 = 3 or K5Q44 = 4 partner_1617 = 3.  
IF K5Q44 = 2 partner_1617 = 2.  
IF K5Q44 = 1 partner_1617 = 1.  
IF K5Q44 = 99 partner_1617 = 99.  
VARIABLE LABELS partner_1617 "Doctors helped parents to feel like partners in child's care".  
VALUE LABELS partner_1617  
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_1617(99).  
  
COMPUTE FamCent_1617 = 999.  
IF (time_1617 = 3 or time_1617=99) or (listen_1617 = 3 or listen_1617 =99) or (sensitiv_1617 = 3 or sensitiv_1617=99) or (info_1617 = 3 or info_1617=99) or  
(partner_1617 = 3 or partner_1617=99) FamCent_1617 = 2.  
IF (time_1617=1 or time_1617=2 or time_1617=99) and (listen_1617=1 or listen_1617=2 or listen_1617=99) and (sensitiv_1617=1 or sensitiv_1617=2 or sensitiv_1617=99) and  
(info_1617=1 or info_1617=2 or info_1617=99) and (partner_1617=1 or partner_1617=2 or partner_1617=99) FamCent_1617 = 1.  
IF time_1617 = 0 FamCent_1617 = 0.  
IF time_1617 = 99 and listen_1617 = 99 and sensitiv_1617 = 99 and info_1617 = 99 and partner_1617 = 99 FamCent_1617 = 99.  
VARIABLE LABELS FamCent_1617 "Indicator 4.12c: Medical Home Component: Family-centered care".  
VALUE LABELS FamCent_1617  
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_1617(0,99)
```

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

```
RECODE K5Q11  
(else=copy) into NoRefPrb_1617.  
IF K5Q10=99 NoRefPrb_1617 = 99.  
IF K5Q10 = 2 NoRefPrb_1617 = 0.  
VARIABLE LABELS NoRefPrb_1617 "Indicator 4.12d: Medical Home Component: Problems getting needed referrals, all children".  
VALUE LABELS NoRefPrb_1617  
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_1617(99).
```

***Indicator 4.12e: Medical Home Component: Effective care coordination, all children

```
COMPUTE DrComm_1617 = 999.  
IF K5Q30 = 1 DrComm_1617 = 1.  
IF K5Q30 = 2 DrComm_1617 = 2.  
IF K5Q30 = 3 or K5Q30 = 4 DrComm_1617 = 3.  
IF K5Q30 = 99 DrComm_1617 = 99.  
IF K5Q20_R = 3 or S4Q01 = 2 DrComm_1617 = 0.  
VARIABLE LABELS DrComm_1617 "Satisfaction with communication among child's doctor and other
```

health care provider".

VALUE LABELS DrComm_1617

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_1617().

COMPUTE CareHelp_1617 = 999.

IF K5Q22 = 1 CareHelp_1617 = 1.

IF K5Q20_R = 1 and K5Q21 = 2 CareHelp_1617 = 1.

IF K5Q22 = 2 or K5Q22 = 3 CareHelp_1617 = 2.

IF K5Q21 = 99 or K5Q22 = 99 CareHelp_1617 = 99.

IF K5Q20_R = 99 CareHelp_1617 = 99.

IF K5Q20_R = 3 or S4Q01 = 2 CareHelp_1617 = 0.

IF K5Q20_R = 2 and K5Q21 = 2 CareHelp_1617 = 0.

IF S4Q01 = 99 CareHelp_1617 = 99.

VARIABLE LABELS CareHelp_1617 "Got all needed extra help with care coordination when needed".

VALUE LABELS CareHelp_1617

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_1617 = 999.

IF S4Q01 = 2 or K5Q31_R = 2 or K5Q31_R = 3 OthComm_1617 = 0.

IF K5Q32 = 1 OthComm_1617 = 1.

IF K5Q32 = 2 or K5Q32 = 3 or K5Q32 = 4 OthComm_1617 = 2.

IF K5Q32 = 99 OthComm_1617 = 99.

IF K5Q31_R = 99 OthComm_1617 = 99.

VARIABLE LABELS OthComm_1617 "Satisfaction with communication among child's doctors and school, child care provider, or special education program".

VALUE LABELS OthComm_1617

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_1617 DrComm_1617 OthComm_1617().

*** Indicator 4.12e: Medical Home Component: Effective care coordination, all children

COMPUTE CareCoor_1617 = 999.

IF (CareHelp_1617 = 2 or CareHelp_1617=99) or (DrComm_1617 = 2 or DrComm_1617 = 3 or DrComm_1617=99) or (OthComm_1617 = 2 or OthComm_1617=99) CareCoor_1617 = 2.

IF (CareHelp_1617 = 0 or CareHelp_1617 = 1 or CareHelp_1617=99) and (DrComm_1617=0 or DrComm_1617 =1 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 1 or OthComm_1617=99) CareCoor_1617 = 1.

IF (CareHelp_1617 = 0 or CareHelp_1617=99) and (DrComm_1617 = 0 or DrComm_1617=99) and (OthComm_1617 = 0 or OthComm_1617 = 99) CareCoor_1617 = 0.

IF CareHelp_1617 = 99 and DrComm_1617 = 99 and OthComm_1617 = 99 CareCoor_1617 = 99.

VARIABLE LABELS CareCoor_1617 "Indicator 4.12e: Medical Home Component: Effective care coordination, all children".

VALUE LABELS CareCoor_1617

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"

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

99 "Missing to all".

MISSING VALUES CareCoor_1617(99).

***Medical Home

COMPUTE MedHome_1617 = 999.

IF (PerDrNs_1617 = 1 or PerDrNs_1617=99) and (UsualSck_1617 = 1 or UsualSck_1617=99) and
(NoRefPrb_1617=1 or NoRefPrb_1617 =0 or NoRefPrb_1617=99) and
(FamCent_1617=1 or FamCent_1617=0 or FamCent_1617=99) and (CareCoor_1617=1 or
CareCoor_1617=0 or CareCoor_1617=99) MedHome_1617 = 1.

IF PerDrNs_1617 = 2 or UsualSck_1617 = 2 or (NoRefPrb_1617 = 2 or NoRefPrb_1617=3) or
FamCent_1617 = 2 or CareCoor_1617 = 2 MedHome_1617 = 2.

IF PerDrNs_1617 = 99 and UsualSck_1617 = 99 and (FamCent_1617 = 99 or FamCent_1617 = 0) and
(NoRefPrb_1617 = 99 or NoRefPrb_1617=0) and (CareCoor_1617 = 99 or CareCoor_1617 = 0)
MedHome_1617 = 99.

VARIABLE LABELS MedHome_1617 "Indicator 4.12: Children receiving coordinated, ongoing,
comprehensive care within a medical home".

VALUE LABELS MedHome_1617

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to all".

MISSING VALUES MedHome_1617(99).

***National Performance Measure 11: Percent of children without special health care needs, ages 0
through 17, who have a medical home*

COMPUTE npm11MHnonCSHCN_1617 = MedHome_1617.

IF SC_CSHCN = 1 npm11MHnonCSHCN_1617 = 95.

VARIABLE LABELS npm11MHnonCSHCN_1617 "National Performance Measure 11: Percent of children
without special health care needs, ages 0 through 17, who have a medical home".

VALUE LABELS npm11MHnonCSHCN_1617

1 "Care MEETS medical home criteria"

2 "Care DOES NOT meet medical home criteria"

99 "Missing to any"

95 "CSHCN".

MISSING VALUES npm11MHnonCSHCN_1617(95,99).

FORMATS npm11MHnonCSHCN_1617(f4.0).

EXECUTE.

NPM 12	Transition to adult health care, CSHCN age 12-17 years (npm12TransCSHCN_1617)
Description	Percent of adolescents with special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care
Survey Items Used	Survey instrument item number for children 12-17 years: C4; D13, D14, D15c,d Variable in public use data file: DOCPRIVATE, K4Q20R, S4Q01; CHANGEAGE; GAINSKILLS; TREATCHILD; TREATADULT
Denominator	Children with special health care needs age 12-17 years
Numerator/Response Categories	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
Notes for Data-Users	
In order to meet the criteria for this measure, youth with special health care needs 12-17 years old must meet three components: 1) doctor spoke with child privately without an adult in the room during last preventive check-up; 2) if a discussion about transitioning to adult care was needed it must have happened; and 3) doctors actively worked with child to gain skills and understand changes in 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 healthcare in the 2017 scoring of this measure. 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.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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 analyses. This measure was not previously included in 2011/12 NSCH. The 2009/10 NS-CSHCN included a measure of transition to adulthood, but it was substantially different from the transition measure the 2016 NSCH. New items were added to the measure for the 2016 NSCH, including: doctor spoke with the child privately; doctor worked with the child about gaining skills to manage their health and health care and doctors worked with the child to help them understand their healthcare changes. For more information on content changes, click here .	
SPSS Syntax and Annotation	
<p>*Transition Part A: Time alone with health care provider*</p> <pre> COMPUTE TimeAlone_1617 = 999. IF DOCPRIVATE = 1 TimeAlone_1617 = 1. IF DOCPRIVATE = 2 TimeAlone_1617 = 2. IF DOCPRIVATE = 99 TimeAlone_1617 = 99. IF K4Q20R = 1 TimeAlone_1617 = 2. IF S4Q01 =99 or K4Q20R = 99 TimeAlone_1617 = 99. IF S4Q01 = 2 TimeAlone_1617 = 2. IF SC_AGE_YEARS < 12 TimeAlone_1617 = 90. VARIABLE LABELS TimeAlone_1617 "Children who had time alone with health care provider at last check-up, age 12-17 years". </pre>	

```

VALUE LABELS TimeAlone_1617
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_1617().
FORMATS TimeAlone_1617(f2.0).
EXECUTE.

```

Transition Part B: Active work with child

```

COMPUTE ActiveWork_1617 = 2.
IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork_1617 = 1.
IF (CHANGEAGE = 3 or CHANGEAGE = 99) and (GAINSKILLS =3 or GAINSKILLS = 99)
ActiveWork_1617 = 99.
IF SC_AGE_YEARS < 12 ActiveWork_1617 = 90.
VARIABLE LABELS ActiveWork_1617 "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_1617
1 "Met the criteria"
2 "Did not met criteria"
99 "Missing/Don't know"
90 "Children age 0-11 years".
MISSING VALUES ActiveWork_1617().
FORMATS ActiveWork_1617(f2.0).
EXECUTE.

```

Transition Part C: Anticipatory guidance

```

COMPUTE TrtAdult_1617 = 999.
IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult_1617 = 1.
IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult_1617 = 2.
IF TREATCHILD = 99 or TREATADULT = 99 TrtAdult_1617 = 99.
IF TREATCHILD = 2 TrtAdult_1617 = 95.
IF SC_AGE_YEARS < 12 TrtAdult_1617 = 90.
VARIABLE LABELS TrtAdult_1617 "Provider discussed shift to adult health care providers if needed, age
12-17 years".
VALUE LABELS TrtAdult_1617
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_1617().
FORMATS TrtAdult_1617(f2.0).
EXECUTE.

```

Overall

MISSING VALUES TimeAlone_1617 ActiveWork_1617 TrtAdult_1617().

```

COMPUTE Transition_1617 = 999.
IF (TimeAlone_1617 = 1 or TimeAlone_1617 =99) or (ActiveWork_1617 = 1 or ActiveWork_1617 =99) or
(TrtAdult_1617 = 1 or TrtAdult_1617=95 or TrtAdult_1617=99) Transition_1617 = 1.
IF TimeAlone_1617 = 2 or ActiveWork_1617 = 2 or TrtAdult_1617 = 2 Transition_1617 = 2.
IF TimeAlone_1617 = 99 and ActiveWork_1617 = 99 and TrtAdult_1617 = 99 Transition_1617 = 99.
IF SC_AGE_YEARS < 12 Transition_1617 = 90.

```

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VARIABLE LABELS Transition_1617 "Indicator 4.15: Adolescents who received services necessary to make planning transitions to adult health care".
VALUE LABELS Transition_1617
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_1617(90,99).
FORMATS Transition_1617(f2.0).
EXECUTE.

National Performance Measure #12: Percent of adolescents with special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care

COMPUTE npm12TransCSHCN_1617 = Transition_1617.
IF SC_CSHCN = 2 npm12TransCSHCN_1617 = 95.
IF SC_AGE_YEARS < 12 npm12TransCSHCN_1617 = 90.
VARIABLE LABELS npm12TransCSHCN_1617 "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_1617
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_1617(90,95,99).
FORMATS npm12TransCSHCN_1617(f4.0).
EXECUTE.

NPM 12	Transition to adult health care, Non-CSHCN age 12-17 years (npm12TransNonCSHCN_1617)
Description	Percent of adolescents without special health care needs, ages 12 through 17, who received services necessary to make transitions to adult health care
Survey Items Used	Survey instrument item number for children 12-17 years: C4; D13,D14,D15c,d Variable name in public use data file: DOCPRIVATE; TREATCHILD; TREATADULT; GAINSKILLS; CHANGEAGE
Denominator	Children without special health care needs age 12-17 years
Numerator/Response Categories	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
Notes for Data-Users	
In order to meet the criteria for this measure, 12-17 years old CSHCN must meet three components: 1) doctor spoke with child privately without an adult in the room during last preventive check-up; 2) if a discussion about transitioning to adult care was needed it must have happened; and 3) doctors actively worked with child to gain skills and understand changes in health care. If a child has at least one valid positive response to any of these components (and the remainder of the components were missing or legitimately skipped), these children were categorized as receiving adequate transition to adult healthcare in the 2016 scoring of this measure. Respondents with "missing" to all items were set to missing. 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.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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 analyses. This measure was not previously included in 2011/12 NSCH. The 2009/10 NS-CSHCN included a measure of transition to adulthood, but it was substantially different from the transition measure in the 2016 NSCH. New items were added to the measure, including: doctor spoke with the child privately; doctor works with the child about gaining skills to manage their health and health care; and doctors works with the child to help them understand their healthcare. For more information on content changes, click here .	
SPSS Syntax and Annotation	
Transition Part A: Time alone with health care provider COMPUTE TimeAlone_1617 = 999. IF DOCPRIVATE = 1 TimeAlone_1617 = 1. IF DOCPRIVATE = 2 TimeAlone_1617 = 2. IF DOCPRIVATE = 99 TimeAlone_1617 = 99. IF K4Q20R = 1 TimeAlone_1617 = 2. IF S4Q01 =99 or K4Q20R = 99 TimeAlone_1617 = 99. IF S4Q01 = 2 TimeAlone_1617 = 2. IF SC_AGE_YEARS < 12 TimeAlone_1617 = 90. VARIABLE LABELS TimeAlone_1617 "Children who had time alone with health care provider at last check-up, age 12-17 years".	

```

VALUE LABELS TimeAlone_1617
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_1617().
FORMATS TimeAlone_1617(f2.0).
EXECUTE.

```

Transition Part B: Active work with child

```

COMPUTE ActiveWork_1617 = 2.
IF CHANGEAGE = 1 or GAINSKILLS = 1 ActiveWork_1617 = 1.
IF (CHANGEAGE = 3 or CHANGEAGE = 99) and (GAINSKILLS =3 or GAINSKILLS = 99)
ActiveWork_1617 = 99.
IF SC_AGE_YEARS < 12 ActiveWork_1617 = 90.
VARIABLE LABELS ActiveWork_1617 "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_1617
1 "Met the criteria"
2 "Did not met criteria"
99 "Missing/Don't know"
90 "Children age 0-11 years".
MISSING VALUES ActiveWork_1617().
FORMATS ActiveWork_1617(f2.0).
EXECUTE.

```

Transition Part C: Anticipatory guidance

```

COMPUTE TrtAdult_1617 = 999.
IF TREATCHILD = 1 and TREATADULT = 1 TrtAdult_1617 = 1.
IF TREATCHILD = 1 and TREATADULT = 2 TrtAdult_1617 = 2.
IF TREATCHILD = 99 or TREATADULT = 99 TrtAdult_1617 = 99.
IF TREATCHILD = 2 TrtAdult_1617 = 95.
IF SC_AGE_YEARS < 12 TrtAdult_1617 = 90.
VARIABLE LABELS TrtAdult_1617 "Provider discussed shift to adult health care providers if needed, age
12-17 years".
VALUE LABELS TrtAdult_1617
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_1617().
FORMATS TrtAdult_1617(f2.0).
EXECUTE.

```

Overall

MISSING VALUES TimeAlone_1617 ActiveWork_1617 TrtAdult_1617().

```

COMPUTE Transition_1617 = 999.
IF (TimeAlone_1617 = 1 or TimeAlone_1617 =99) or (ActiveWork_1617 = 1 or ActiveWork_1617 =99) or
(TrtAdult_1617 = 1 or TrtAdult_1617=95 or TrtAdult_1617=99) Transition_1617 = 1.
IF TimeAlone_1617 = 2 or ActiveWork_1617 = 2 or TrtAdult_1617 = 2 Transition_1617 = 2.
IF TimeAlone_1617 = 99 and ActiveWork_1617 = 99 and TrtAdult_1617 = 99 Transition_1617 = 99.
IF SC_AGE_YEARS < 12 Transition_1617 = 90.

```

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VARIABLE LABELS Transition_1617 "Indicator 4.15: Adolescents who received services necessary to make planning transitions to adult health care".
VALUE LABELS Transition_1617
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_1617(90,99).
FORMATS Transition_1617(f2.0).
EXECUTE.

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

COMPUTE npm12TransNonCSHCN_1617 = Transition_1617.
IF SC_CSHCN = 1 npm12TransNonCSHCN_1617 = 95.
IF SC_AGE_YEARS < 12 npm12TransNonCSHCN_1617 = 90.
VARIABLE LABELS npm12TransNonCSHCN_1617 "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_1617
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_1617(90,95,99).
FORMATS npm12TransNonCSHCN_1617(f4.0).
EXECUTE.

NPM 13.2	Preventive dental visit, age 1-17 years (npm13_2DePrev_1617)
Description	Percent of children, ages 1 through 17, who had a preventive dental visit in the past year
Survey Items Used	Survey instrument item number for children 0-5 years: C15; C16; for children 6-11 years: C13; C14; for children 12-17 years: C14; C15 Variable name in public use data file: K4Q30_R; DENTISTVISIT
Denominator	Children age 1-17 years
Numerator/Response Categories	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
Notes for Data-Users	
Children younger than one year of age are not included in this measure.	
Revisions	
In 2017, this measure 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. The 2011/12 NSCH asked parents to report the number of preventive dental visits during the past 12 months, and the response was reported as a continuous number. Response options were reported as categorical (No visit, 1 visit or 2 or more visits) in the 2016 NSCH.	
SPSS Syntax and Annotation	
<pre> COMPUTE PrevDent_1617 = 999. IF DENTISTVISIT = 2 or DENTISTVISIT = 3 PrevDent_1617 = 1. IF DENTISTVISIT = 1 PrevDent_1617 = 2. IF DENTISTVISIT = 99 PrevDent_1617 = 99. IF K4Q30_R = 3 PrevDent_1617 = 2. IF K4Q30_R = 99 PrevDent_1617 = 99. IF SC_AGE_YEARS < 1 PrevDent_1617 = 95. VARIABLE LABELS PrevDent_1617 "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_1617 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" 95 "Children less than 1 year old". MISSING VALUES PrevDent_1617(95,99). FORMATS PrevDent_1617(f2.0). EXECUTE. COMPUTE npm13_2DePrev_1617 = PrevDent_1617. VARIABLE LABELS npm13_2DePrev_1617 "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_1617 1 "One or more dental preventive visits" 2 "No preventive dental visits" 99 "Missing" </pre>	

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95 "Children less than 1 year old".
MISSING VALUES npm13_2DePrev_1617(95,99).
FORMATS npm13bDePrev_1617(f2.0).
EXECUTE.

NPM 14.2	Someone living in the household smokes (npm14bSmoke_1617)
Description	Percent of children, ages 0 through 17, who live in households where someone smokes
Survey Items Used	Survey instrument item number for children 0-5 years: I2; for children 6-11 years: I2; for children 12-17 years: I2 Variable name in public use data file: K9Q40
Denominator	Children age 0-17 years
Numerator/Responsible Categories	Children who live in households where someone smokes; Children who live in households where someone doesn't smoke
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure 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.	
SPSS Syntax and Annotation	
<pre> COMPUTE smoking_1617 = K9Q40. VARIABLE LABELS smoking_1617 "Indicator 6.4: Children who live in households where someone uses cigarettes, cigars, or pipe tobacco". VALUE LABELS smoking_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES smoking_1617(99). FORMATS smoking_1617(f4.0). EXECUTE. COMPUTE npm14_2Smoke_1617 = smoking_1617. VARIABLE LABELS npm14_2Smoke_1617 "National Performance Measure 14.2: Percent of children, ages 0 through 17, who live in households where someone smokes". VALUE LABELS npm14_2Smoke_1617 1 "Yes" 2 "No" 99 "Missing". MISSING VALUES npm14_2Smoke_1617(99). FORMATS npm14_2Smoke_1617(f4.0). EXECUTE. </pre>	

NPM 15	Adequate and continues insurance (npm15AdIns_1617)
Description	Percent of children, ages 0 through 17, who are continuously and adequately insured
Survey Items Used	Survey instrument item number for children 0-5 years: E1, E3, E5, E6, 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
Denominator	Children age 0-17 years
Numerator/Response Categories	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
Notes for Data-Users	
<p>To qualify this measure the child should 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 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.</p> <p>In NSCH, survey item (K3Q04_R) asked whether the child was continuously insured during the past 12 months. If the child was not continuously insured, a question asked whether the child was currently covered by any health insurance. The child's current insurance was considered adequate when the following criteria were met: 1) the child currently has health insurance coverage, AND 2) benefits usually or always meet child's needs, AND 3) the insurance usually or always allows the child to see needed providers, AND 4) the insurance either has no out-of-pocket expenses or out-of-pocket expenses are usually or always reasonable.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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> <p>In 2011/12 NSCH, the denominator of this measure was restricted to those with current insurance and did not require reporting of consistent coverage.</p> <p>In 2016-2017, the measure included all children, and children who are uninsured or who had any gap in coverage during the past year are coded as lacking continuous and adequate coverage. For more information on content changes, click here.</p>	
SPSS Syntax and Annotation	
<pre>COMPUTE CurrIns_1617 = CURRINS. VARIABLE LABELS CurrIns_1617 "Indicator 3.1: Health insurance status at time of survey". VALUE LABELS CurrIns_1617 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 CurrIns_1617(99).</pre>	

```
FORMATS CurrIns_1617(f4.0).
EXECUTE.
```

```
COMPUTE InsGap_1617 = 999.
IF INSGAP = 1 InsGap_1617 = 1.
IF INSGAP = 2 or INSGAP = 3 InsGap_1617 = 2.
IF CURRINS = 2 InsGap_1617 = 2.
IF INSGAP = 99 InsGap_1617 = 99.
VARIABLE LABELS InsGap_1617 "Indicator 3.2: Children who had consistent health insurance coverage
during the past 12 months".
VALUE LABELS InsGap_1617
1 "Insured continuously all year"
2 "Child had a gap in coverage"
99 "Missing".
MISSING VALUES InsGap_1617(99).
FORMATS InsGap_1617(f4.0).
EXECUTE.
```

```
RECODE K3Q20
(1=1) (2=2) (3 thru 4=3) (99=99) into benefits_1617.
IF CURRINS = 99 benefits_1617=99.
IF CURRINS = 2 benefits_1617=95.
VARIABLE LABELS benefits_1617 "Current insurance coverage meets child's health needs".
VALUE LABELS benefits_1617
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing"
95 "Uninsured".
MISSING VALUES benefits_1617 (95,99).
FORMATS benefits_1617 (f3.0).
EXECUTE.
```

```
RECODE K3Q22
(1=1) (2=2) (3 thru 4=3) (99=99) into allows_1617.
IF CURRINS = 99 allows_1617 = 99.
IF CURRINS = 2 allows_1617=95.
VARIABLE LABELS allows_1617 "Current insurance coverage allows child to see needed provider".
VALUE LABELS allows_1617
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing"
95 "Uninsured".
MISSING VALUES allows_1617 (95,99).
FORMATS allows_1617 (f3.0).
EXECUTE.
```

```
COMPUTE expense_1617 = 999.
IF K3Q21B = 1 expense_1617 = 1.
IF K3Q21B = 2 expense_1617 = 2.
IF (K3Q21B = 3 or K3Q21B = 4) expense_1617 = 3.
```

```

IF K3Q21B = 99 expense_1617=99.
IF HOWMUCH = 1 expense_1617 = 0.
IF CURRINS = 99 expense_1617 = 99.
IF CURRINS = 2 expense_1617=95.
VARIABLE LABELS expense_1617 "Current insurance out-of-pocket expenses are reasonable".
VALUE LABELS expense_1617
0 'No out of pocket expenses'
1 "Always"
2 "Usually"
3 "Sometimes or never"
99 "Missing"
95 "Uninsured".
MISSING VALUES expense_1617 (95,99).
FORMATS expense_1617 (f3.0).

```

MISSING VALUES benefits_1617 allows_1617 expense_1617 ().

```

COMPUTE InsAdeq_1617=999.
IF (benefits_1617 = 1 or benefits_1617 = 2 or benefits_1617 = 99) and (allows_1617 = 1 or allows_1617 = 2 or allows_1617 = 99) and (expense_1617 = 1 or expense_1617 =2 or expense_1617 = 99)
InsAdeq_1617 = 1.
IF expense_1617 = 0 InsAdeq_1617 = 1.
IF benefits_1617 = 3 or allows_1617 = 3 or expense_1617 = 3 InsAdeq_1617 = 2.
IF benefits_1617 = 99 and allows_1617 = 99 and expense_1617 = 99 InsAdeq_1617 = 99.
IF CURRINS = 2 InsAdeq_1617 = 95.
VARIABLE LABELS InsAdeq_1617 "Indicator 3.4: Adequacy of current Insurance coverage".
VALUE LABELS InsAdeq_1617
1 "Insurance is adequate for child's health needs"
2 "Insurance is NOT adequate for child's health needs"
99 "Missing to all questions"
95 "Uninsured".
MISSING VALUES InsAdeq_1617(95,99).
FORMATS InsAdeq_1617(f4.0).
EXECUTE.

```

MISSING VALUES CurrIns_1617 InsGap_1617 InsAdeq_1617().

```

COMPUTE insurance_1617 = 1.
IF (InsGap_1617 = 1 or InsGap_1617 = 99) and (InsAdeq_1617 = 1 or InsAdeq_1617 =99)
insurance_1617 = 1.
IF CurrIns_1617 = 2 or InsGap_1617 = 2 or InsAdeq_1617 = 2 insurance_1617 = 2.
IF InsGap_1617 = 99 and InsAdeq_1617 = 99 insurance_1617 = 99.
VARIABLE LABELS insurance_1617 "Indicator 3.4a: Children who are continuously and adequately insured".
VALUE LABELS insurance_1617
1 "Currently insured, consistently insured and insurance is adequate"
2 "Not currently insured, had coverage gap or inadequate insurance"
99 "Missing to both".
MISSING VALUES insurance_1617 ().
FORMATS insurance_1617 (f2.0).

```

RECODE npm15AdIns_1617 = insurance_1617.

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```
VARIABLE LABELS npm15AdIns_1617 "National Performance Measure 15: Percent of children, ages 0 through 17, who are continuously and adequately insured".  
VALUE LABELS npm15AdIns_1617  
1 "Have adequate insurance covered entire year"  
2 "Do not have adequate insurance"  
99 "Missing to both questions".  
MISSING VALUES npm15AdIns_1617 (99).  
FORMATS npm15AdIns_1617 (F3.0).  
EXECUTE.
```

National Outcome Measures

NOM 14	Tooth decay/cavities, age 1-17 years (nom14TthDec_1617)
Description	Percent of children, ages 1 through 17, who had decayed teeth or cavities in the past year
Survey Items Used	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
Denominator	Children age 1-17 years
Numerator	Children, ages 1 through 17, who had decayed teeth or cavities in the past year
Notes for Data-Users	
This measure was derived from a single item.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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. In the NSCH 2011/12, "toothache" and "decayed teeth or cavities" were asked as one question. In the 2016 and 2017 NSCH, questions on "toothache" and "decayed teeth or cavities" are asked separately, and an additional question was asked about "bleeding gums". The question wording also changed in 2016. For more information on content changes, click here .	
SPSS Syntax and Annotation	
<pre>COMPUTE nom14TthDec_1617 = CAVITIES. IF SC_AGE_YEARS <1 nom14TthDec_1617 = 95. VARIABLE LABELS nom14TthDec_1617 "National Outcome Measure 14: Percent of children, ages 1 through 17, who had decayed teeth or cavities in the past year". VALUE LABELS nom14TthDec_1617 1 "Yes, tooth decay or cavities" 2 "No tooth decay or cavities" 95 "Children age <1 year" 99 "Missing". MISSING VALUES nom14TthDec_1617(95,99). FORMATS nom14TthDec_1617(f2.0). EXECUTE.</pre>	

NOM 17.1	Children with special health care needs (nom17_1CSHCN_1617)
Description	Percent of children with special health care needs (CSHCN), ages 0 through 17
Survey Items Used	These items are asked among all children in the initial household screener questionnaire. The screener item numbers: 6,7,8,9,10 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
Denominator	Children age 0-17 years
Numerator	Children, ages 0 through 17, who met the criteria for having a special health care need based on the CSHCN screener
Notes for Data-Users	
The NSCH uses the CSHCN Screener to identify children with special health care needs. The Screener is a five item, parent-reported tool designed to reflect the federal Maternal and Child Health Bureau's consequences-based definition of children with special health care needs. It identifies children across the range and diversity of childhood chronic conditions and special needs, allowing a more comprehensive and robust assessment of children's needs and health care system performance than is attainable by focusing on a single diagnosis or type of special need. This instrument has been used in several national surveys including the Promoting Healthy Development Survey, the CAHPS-CCC, the NSCH, the NS-CSHCN, and MEPS. More information about the CSHCN Screener can be obtained on the Child and Adolescent Health Measurement Initiative's website .	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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. In the 2016 and 2017 NSCH, the CSHCN Screener questions were asked among all children in the household, before the full topical survey was sent to the household. Only the selected child's CSHCN screener responses were included in the final topical public use file.	
SPSS Syntax and Annotation	
<pre> COMPUTE rxmeds_1617 = 2. IF ((SC_K2Q10 = 1) and (SC_K2Q11 = 1) and (SC_K2Q12 = 1)) rxmeds_1617 = 1. VARIABLE LABELS rxmeds_1617 "Children qualifying on the CSHCN Screener prescription medication criteria". VALUE LABELS rxmeds_1617 1 "Meet screening criteria" 2 "Do not meet screening criteria". MISSING VALUES rxmeds_1617(99). FORMATS rxmeds_1617(f4.0). EXECUTE. COMPUTE serve_1617 = 2. If ((SC_K2Q13 = 1) and (SC_K2Q14 =1) and (SC_K2Q15 = 1)) serve_1617 = 1. VARIABLE LABELS serve_1617 "Children qualifying on the CSHCN Screener for elevated use of services criteria". </pre>	

```

VALUE LABELS serve_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
MISSING VALUES serve_1617(99).
FORMATS serve_1617(f4.0).
EXECUTE.

COMPUTE func_1617 = 2.
IF ((SC_K2Q16 = 1) and (SC_K2Q17 = 1) and (SC_K2Q18 = 1)) func_1617 = 1.
VARIABLE LABELS func_1617 "Children qualifying on the CSHCN Screener functional limitations criteria".
VALUE LABELS func_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
EXECUTE.

COMPUTE therapy_1617 = 2.
IF ((SC_K2Q19 = 1) and (SC_K2Q20 = 1) and (SC_K2Q21 = 1)) therapy_1617 = 1.
VARIABLE LABELS therapy_1617 "Children qualifying on the CSHCN Screener specialized therapy criteria".
VALUE LABELS therapy_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
MISSING VALUES therapy_1617(99).
FORMATS therapy_1617(f4.0).
EXECUTE.

COMPUTE mhealth_1617 = 2.
IF ((SC_K2Q22 = 1) and (SC_K2Q23 = 1)) mhealth_1617 = 1.
VARIABLE LABELS mhealth_1617 "Qualified on ongoing emotional, developmental or behavioral conditions".
VALUE LABELS mhealth_1617
1 "Meet screening criteria"
2 "Do not meet screening criteria".
MISSING VALUES mhealth_1617(99).
FORMATS mhealth_1617(f4.0).
EXECUTE.

COUNT qualnum_1617=rxmeds_1617 serve_1617 func_1617 therapy_1617 mhealth_1617(1).
VARIABLE LABELS qualnum_1617 "Number of qualifying CSHCN Screener answers".
VALUE LABELS qualnum_1617
0 "No qualifying answers"
1 "One qualifying answer"
2 "Two qualifying answers"
3 "Three qualifying answers"
4 "Four qualifying answers"
5 "Five qualifying answers"
99 "Missing to all 5 items".
FORMATS qualnum_1617 (f4.0).
EXECUTE.

COMPUTE CSHCN_1617 = 999.
IF qualnum_1617 = 0 CSHCN_1617 = 2.
IF qualnum_1617 > 0 CSHCN_1617 = 1.
VARIABLE LABELS CSHCN_1617 "Indicator 1.11: Children with special health care needs".
VALUE LABELS CSHCN_1617

```

Indicator and Subgroup Variables - National Outcome Measures

```
1 "CSHCN"
2 "Non-CSHCN".
FORMATS CSHCN_1617 (f4.0).
EXECUTE.

COMPUTE nom17_1CSHCN = CSHCN_1617.
VARIABLE LABELS nom17_1CSHCN "National Outcome Measure 17.1: Percent of children with special
health care needs (CSHCN), ages 0 through 17".
VALUE LABELS nom17_1CSHCN
1 "CSHCN"
2 "Non-CSHCN"
99 "Missing".
MISSING VALUES nom17_1CSHCN(99).
FORMATS nom17_1CSHCN(f4.0).
EXECUTE.
```

NOM 17.2	Systems of care, children with special health care needs (nom17_2sysCSHCN_1617)
Description	Percent of children with special health care needs (CSHCN), ages 0 through 17, who receive care in a well-functioning system
Survey Items Used	Over 50 different survey questions are used to construct this measure.
Denominator	Children with special health care needs, ages 0 through 17
Numerator	CSHCN, ages 0 through 17, that received all components of a well-functioning system (family partnership, medical home, early screening, adequate insurance, easy access to services, and preparation for adult transition)
Notes for Data-Users	
<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 in the 2016-2017 scoring of this measure. Respondents with "missing" to all items were set to missing. The denominator for this outcome measure is children with special health care needs identified by the standardized CSHCN Screener.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</p> <p>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. In 2016, the systems of care measure has changed, due to changes in the transition to adult healthcare measure (see NPM 12), the medical home measure (see NPM 11), and the adequacy of insurance measure (see NPM 15). For more information on content changes, click here.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE insurance_1617 = 1. IF (InsGap_1617 = 1 or InsGap_1617 = 99) and (InsAdeq_1617 = 1 or InsAdeq_1617 =99) insurance_1617 = 1. IF CurrIns_1617 = 2 or InsGap_1617 = 2 or InsAdeq_1617 = 2 insurance_1617 = 2. IF InsGap_1617 = 99 and InsAdeq_1617 = 99 insurance_1617 = 99. VARIABLE LABELS insurance_1617 "Children who have adequate insurance and were covered entire year". VALUE LABELS insurance_1617 1 "Have adequate insurance covered entire year" 2 "Do not have adequate insurance" 99 "Missing to both". MISSING VALUES insurance_1617 ()). FORMATS insurance_1617 (f2.0). </pre>	

MISSING VALUES PrevMed_1617 PrevDent_1617().

```

COMPUTE MedDentSyst_1617 = 999.
IF (PrevMed_1617 = 1 or PrevMed_1617 = 99) and (PrevDent_1617=1 or PrevDent_1617=95 or
PrevDent_1617=99) MedDentSyst_1617 = 1.
IF PrevMed_1617 = 2 or PrevDent_1617 = 2 MedDentSyst_1617 = 2.
IF PrevMed_1617 = 99 and (PrevDent_1617 = 99 or PrevDent_1617=95) MedDentSyst_1617 = 99.
VARIABLE LABELS MedDentSyst_1617 "Indicator 4.3: Children received both preventive medical and
dental care visits in past 12 months ".
VALUE LABELS MedDentSyst_1617
1 "Received preventive medical and dental care"
2 "Did not receive preventive medical and dental care"
99 "Missing to both".

```

```

COMPUTE UnmetFrust_1617 = 999.
IF (K4Q27 = 2 or K4Q27 =99) and (C4Q04 = 1 or C4Q04 = 2 or C4Q04 =99) UnmetFrust_1617 = 1.
IF K4Q27 = 1 or (C4Q04 = 3 or C4Q04 = 4) UnmetFrust_1617 = 2.
IF K4Q27 = 99 and C4Q04 = 99 UnmetFrust_1617 = 99.
VARIABLE LABELS UnmetFrust_1617 "Children whose parents had difficulties in accessing care and
always or usually frustrated in effort getting services for their children".
VALUE LABELS UnmetFrust_1617
1 "No unmet need and frustration"
2 "Experienced unmet need and frustration (usually/always frustrated)"
99 "Missing".

```

MISSING VALUES ShareDec_1617 MedHome_1617 Insurance_1617 MedDentSyst_1617
UnmetFrust_1617 Transition_1617().

****Note:** Codes for Medical Home, Shared Decision Making and Transition to adult health care measures can be found on pages 104, 118 and 121, respectively.

```

COMPUTE sys0to11care2_1617 = 999.
IF (ShareDec_1617 = 0 or ShareDec_1617 = 1 or ShareDec_1617=99) and (MedHome_1617 = 1 or
MedHome_1617 = 99) and (Insurance_1617 = 1 or Insurance_1617 = 99)
and (MedDentSyst_1617 = 1 or MedDentSyst_1617=99) and (UnmetFrust_1617 = 1 or
UnmetFrust_1617=99) sys0to11care2_1617 = 1.
IF ShareDec_1617=2 or MedHome_1617 = 2 or Insurance_1617 = 2 or MedDentSyst_1617 = 2 or
UnmetFrust_1617 = 2 sys0to11care2_1617 =2.
IF (ShareDec_1617=0 or ShareDec_1617=99) and MedHome_1617 = 99 and Insurance_1617 = 99 and
MedDentSyst_1617 = 99 and UnmetFrust_1617 = 99 sys0to11care2_1617 =99.
IF SC_AGE_YEARS > 11 sys0to11care2_1617 = 95.
VARIABLE LABELS sys0to11care2_1617 "Children ages 0-11 meeting one or more of five criteria for
system of care".
VALUE LABELS sys0to11care2_1617
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_1617(99).
EXECUTE.

```

Indicator and Subgroup Variables - National Outcome Measures

```
COMPUTE sys12to17care2_1617 = 999.  
IF (ShareDec_1617 = 0 or ShareDec_1617 = 1 or ShareDec_1617=99) and (MedHome_1617 = 1 or  
MedHome_1617 = 99) and (Insurance_1617 = 1 or Insurance_1617 = 99)  
and (MedDentSyst_1617 = 1 or MedDentSyst_1617=99) and (UnmetFrust_1617 = 1 or  
UnmetFrust_1617=99) and (Transition_1617=1 or Transition_1617=99) sys12to17care2_1617 = 1.  
IF ShareDec_1617=2 or MedHome_1617 = 2 or Insurance_1617 = 2 or MedDentSyst_1617 = 2 or  
UnmetFrust_1617 = 2 or Transition_1617=2 sys12to17care2_1617 =2.  
IF (ShareDec_1617=0 or ShareDec_1617=99) and MedHome_1617 = 99 and Insurance_1617 = 99 and  
MedDentSyst_1617 = 99 and UnmetFrust_1617 = 99 and Transition_1617=99 sys12to17care2_1617 =99.  
IF SC_AGE_YEARS < 12 sys12to17care2_1617 = 95.  
VARIABLE LABELS sys12to17care2_1617 "Children ages 12-17 meeting one or more of five criteria for  
system of care".  
VALUE LABELS sys12to17care2_1617  
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_1617(99).  
EXECUTE.  
  
MISSING VALUES sys0to11care2_1617 sys12to17care2_1617().  
  
COMPUTE SystCare2_1617=99.  
IF sys0to11care2_1617 = 1 or sys12to17care2_1617 = 1 SystCare2_1617 =1.  
IF sys0to11care2_1617 = 2 or sys12to17care2_1617 = 2 SystCare2_1617 =2.  
IF sys0to11care2_1617 = 99 and sys12to17care2_1617 = 99 SystCare2_1617 =2.  
VARIABLE LABELS SystCare2_1617 "Indicator 4.17: Percent of children received care in a well-  
functioning system".  
VALUE LABELS SystCare2_1617  
1 "Received care in a well-functioning system"  
2 "Did not receive care in a well-functioning system"  
99 "Missing".  
MISSING VALUES SystCare2_1617(99).  
EXECUTE.  
  
COMPUTE nom17_2sysCSHCN_1617 = SystCare2_1617.  
IF SC_CSHCN = 2 nom17_2sysCSHCN_1617 = 95.  
VARIABLE LABELS nom17_2sysCSHCN_1617 "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_1617  
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_1617(95,99).  
EXECUTE.
```

NOM 17.3	Autism/ASD, age 3-17 years (nom17_3ASD_1617)
Description	Percent of children, ages 3 through 17, diagnosed with an autism spectrum disorder
Survey Items Used	Survey instrument item number for children 0-5 years: A28; for children 6-11 years: A29; for children 12-17 years: A29 Variable name in public use data file: K2Q35A; K2Q35B
Denominator	Children age 3-17 years
Numerator	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
Notes for Data-Users	
<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 2016 and 2017 NSCH asked these questions among all children 0-17 years old, this measure only includes children 3 to 17 years old.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</p> <p>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.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE autism_1617 = 999. IF K2Q35A = 2 autism_1617 = 1. IF K2Q35A = 1 and K2Q35B = 2 autism_1617 = 2. IF K2Q35A = 1 and K2Q35B = 1 autism_1617 = 3. IF K2Q35A=99 or K2Q35B=99 autism_1617 = 99. IF SC_AGE_YEARS < 3 autism_1617 = 95. VARIABLE LABELS autism_1617 "Children who currently have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder, age 3-17 years". VALUE LABELS autism_1617 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_1617 = autism_1617. VARIABLE LABELS nom17_3ASD_1617 "National Outcome Measure 17.3: Percent of children, ages 3 </pre>	

Indicator and Subgroup Variables - National Outcome Measures

through 17, diagnosed with an autism spectrum disorder".

VALUE LABELS nom17_3ASD_1617

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_1617(95,99).

FORMATS nom17_3ASD_1617(f4.0).

EXECUTE.

NOM 17.4	ADD/ADHD, age 3-17 years (nom17_4ADHD_1617)
Description	Percent of children, ages 3 through 17, diagnosed with Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)
Survey Items Used	Survey instrument item number for children 0-5 years: A33; for children 6-11 years: A34; for children 12-17 years: A34 Variable name in public use data file: K2Q31A; K2Q31B
Denominator	Children age 3-17 years
Numerator	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
Notes for Data-Users	
<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.</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., K2Q31A = Yes) DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p> <p>Last, even though the 2017 NSCH asked these questions among all children 0-17 years old, this measure only includes children 3 to 17 years old.</p>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</p> <p>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.</p>	
SPSS Syntax and Annotation	
<pre> COMPUTE ADHD_1617 = 999. IF K2Q31A = 2 ADHD_1617 = 1. IF K2Q31A = 1 and K2Q31B = 2 ADHD_1617 = 2. IF K2Q31A = 1 and K2Q31B = 1 ADHD_1617 = 3. IF K2Q31A=99 or K2Q31B=99 ADHD_1617 = 99. IF SC_AGE_YEARS < 3 ADHD_1617 = 95. VARIABLE LABELS ADHD_1617 "Children who currently have ADD or ADHD, age 3-17 years". VALUE LABELS ADHD_1617 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_1617 = ADHD_1617. VARIABLE LABELS nom17_4ADHD_1617 "National Outcome Measure 17.4: Percent of children, age 3-17 years, diagnosed with Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)". </pre>	

Indicator and Subgroup Variables - National Outcome Measures

```
VALUE LABELS nom17_4ADHD_1617
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_1617(95.99).
FORMATS nom17_4ADHD_1617(f4.0).
EXECUTE.
```

NOM 18	Mental health treatment, age 3-17 years (nom18MHlth_1617)
Description	Percent of children, ages 3 through 17, with a mental/behavioral condition who receive treatment or counseling
Survey Items Used	Survey instrument item number for children 0-5 years: C18; for children 6-11 years: C16; for children 12-17 years: C17 Variable name in public use data file: K4Q22_R
Denominator	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)
Numerator/Response Categories	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
Notes for Data-Users	
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.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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. The denominator of the measure is changed in 2016. In the 2011/12 NSCH, this question was asked among children 2-17 years, and the denominator of this measure was children age 3-17 who were found to have an emotional, developmental, or behavioral problem from the CSHCN Screener (qualified on the CSHCN Screener question #5). In the 2016 NSCH, the denominator of this measure changed to children age 3-17 years who currently have anxiety, depression, or a behavioral/conduct disorder. The 2016 NSCH question was asked among all children 0-17 years old, and the "No" response previously used in the 2011/12 NSCH was broken down in 2 responses in the 2016 NSCH: "No, but needed to see a mental health professional" and "No, did not need to see a mental health professional". For more information on content changes, click here .	
SPSS Syntax and Annotation	
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 < 3 ment3cond_17 = 95. VARIABLE LABELS ment3cond_17 "Number of conditions". COMPUTE nom18MHlth_1617 = 999. IF ment3cond_1617 > 0 and K4Q22_R = 1 nom18MHlth_1617 = 1. IF ment3cond_1617 > 0 and (K4Q22_R=2 or K4Q22_R=3) nom18MHlth_1617 = 2.	

Indicator and Subgroup Variables - National Outcome Measures

```
IF ment3cond_1617 = 0 nom18MHlth_1617 = 95.  
IF ment3cond_1617 = 99 nom18MHlth_1617 = 99.  
IF K4Q22_R = 99 nom18MHlth_1617 = 99.  
IF SC_AGE_YEARS < 3 nom18MHlth_1617 = 95.  
VARIABLE LABELS nom18MHlth_1617 "National Outcome Measure 18: Percent of children, age 3-17  
years, with a mental/behavioral condition who receive treatment or counseling".  
VALUE LABELS nom18MHlth_1617  
1 "Received treatment"  
2 "Needed treatment, did not receive it"  
99 "Missing"  
95 "Children age 0-2 years/Do not have any of 3 conditions".  
MISSING VALUES nom18MHlth_1617(95,99).  
FORMATS nom18MHlth_1617(f2.0).  
EXECUTE.
```

NOM 19	Overall health status (nom19ChHSt_1617)
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
Notes for Data-Users	
This measure combines five response categories (excellent, very good, good, fair, and poor) into three response categories. Estimates may vary compared to similar indicators from other surveys provided elsewhere on the CAHMI website because of differences in survey wording and survey administration.	
Revisions	
In 2017, this measure did not change from the 2016 NSCH. 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.	
SPSS Syntax and Annotation	
<pre> RECODE K2Q01 (1 thru 2=1) (3=2) (4 thru 5=3) (99=99) into ChHlthSt_1617. VARIABLE LABELS ChHlthSt_1617 "Indicator 1.1: Children's overall health status". VALUE LABELS ChHlthSt_1617 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES ChHlthSt_1617(99). FORMATS ChHlthSt_1617(f2.0). EXECUTE. COMPUTE nom19ChHSt_1617 = ChHlthSt_1617. VARIABLE LABELS nom19ChHSt_1617 "National Outcome Measure 19: Percent of children, ages 0 through 17, in excellent or very good health". VALUE LABELS nom19ChHSt_1617 1 "Excellent or very good" 2 "Good" 3 "Fair or poor" 99 "Missing". MISSING VALUES nom19ChHSt_1617(99). FORMATS nom19ChHSt_1617(f2.0) . EXECUTE. </pre>	

NOM 20	Obesity, age 10-17 (nom20Obese_1617)
Description	Percent of adolescents, ages 10 through 17, who are obese (BMI at or above the 95th percentile)
Survey Items Used	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
Denominator	Children age 10-17 years
Numerator/Response Categories	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)
Notes for Data-Users	
<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 CDC website.</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>	
Revisions	
<p>In 2017, this measure did not change from the 2016 NSCH.</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> <p>In 2016, there were changes to the wording of this question. For more information about the changes, click here.</p>	
SPSS Syntax and Annotation	
<pre>COMPUTE BMI4_1617 = BMICLASS. IF SC_AGE_YEARS < 10 BMI4_1617 = 90. VARIABLE LABELS BMI4_1617 "Indicator 1.4: Weight status of children based on Body Mass Index for age - 4 categories, 10-17 years". VALUE LABELS BMI4_1617 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)"</pre>	

Indicator and Subgroup Variables - National Outcome Measures

```
99 "Missing"
90 "Children age 0-9 years".
MISSING VALUES BMI4_1617(90,99).
EXECUTE.

COMPUTE nom20obese_1617 = BMI4_1617.
VARIABLE LABELS nom20obese_1617 "National Outcome Measure 20: Percent of children, age 10-17
years, who are obese (BMI at or above the 95th percentile)".
VALUE LABELS nom20obese_1617
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_1617(90,99).
FORMATS nom20obese_1617(f4.0).
EXECUTE.
```

NOM 25	Forgone health care (nom25ForgoneHC_1617)
Description	Percent of children, ages 0 through 17, who were not able to obtain needed health care in the last year
Survey Items Used	Survey instrument item number for children 0-5 years: C24; for children 6-11 years: C22; for children 12-17 years: C23 Variable in public use data file: K4Q27
Denominator	Children age 0-17 years
Numerator/Response Categories	Children who received needed health care; Children who did not receive needed health care
Notes for Data-Users	
This measure is based on the single item K4Q27 "During the past 12 months, was there any time when this child needed health care but it was not received? By health care, we mean medical care as well as other kinds of care like dental care, vision care, and mental health services."	
Revisions	
In 2017, this measure 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. In the 2011/12 NSCH, this question asked if care was "delayed or not received". The 2016 NSCH asks if care was "not received". For more information about the changes, click here .	
SPSS Syntax and Annotation	
<pre>COMPUTE ForgoneCare_1617 = K4Q27. VARIABLE LABELS ForgoneCare_1617 "Children who needed health care but it was not received". VALUE LABELS ForgoneCare_1617 1 "Needed care, but did not receive" 2 "Received needed health care (or did not need health care)" 99 "Missing". MISSING VALUES ForgoneCare_1617(99). EXECUTE. COMPUTE nom25ForgoneHC_1617 = ForgoneCare_1617. VARIABLE LABELS nom25ForgoneHC_1617 "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_1617 1 "Needed care, but did not receive" 2 "Received needed health care (or did not need health care)" 99 "Missing". MISSING VALUES nom25ForgoneHC_1617(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_1617 Indicator 1.1: Children's overall health status

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Excellent or very good	65917	91.8	92.1	92.1
	2 Good	4855	6.8	6.8	98.8
	3 Fair or poor	837	1.2	1.2	100.0
	Total	71609	99.7	100.0	
Missing	99 Missing	202	.3		
Total		71811	100.0		

TeethCond_1617 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	57327	79.8	83.3	83.3
	2 Good	8994	12.5	13.1	96.3
	3 Fair or poor	2538	3.5	3.7	100.0
	Total	68859	95.9	100.0	
Missing	95 Children age less than year old or Children with no teeth	2771	3.9		
	99 Missing	181	.3		
	Total	2952	4.1		
Total		71811	100.0		

OralProb_1617 Indicator 1.2a: Oral health problems: toothaches, 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	7470	10.4	10.8	10.8
	2 No oral health problems	61540	85.7	89.2	100.0
	Total	69010	96.1	100.0	
Missing	95 Children age less than 1 year	2648	3.7		
	99 Missing to all	153	.2		
	Total	2801	3.9		
Total		71811	100.0		

toothache_1617 Children who had toothaches during the past 12 months, age 1-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1725	2.4	2.5	2.5
	2 No	66865	93.1	97.5	100.0
	Total	68590	95.5	100.0	
Missing	95 Children age less than 1 year old	2648	3.7		
	99 Missing	573	.8		
	Total	3221	4.5		
Total		71811	100.0		

gumbleed_1617 Children who had bleeding gums during the past 12 months, age 1-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	966	1.3	1.4	1.4
	2 No	67405	93.9	98.6	100.0
	Total	68371	95.2	100.0	
Missing	95 Children age less than 1 year old	2648	3.7		
	99 Missing	792	1.1		
	Total	3440	4.8		
Total		71811	100.0		

cavities_1617 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	6315	8.8	9.3	9.3
	2 No	61920	86.2	90.7	100.0
	Total	68235	95.0	100.0	
Missing	95 Children age less than 1 year old	2648	3.7		
	99 Missing	928	1.3		
	Total	3576	5.0		
Total		71811	100.0		

BrstEver_1617 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	17253	24.0	24.0	24.0
	2 No	3173	4.4	4.4	28.4
	90 Children age 6-17 years	51156	71.2	71.2	99.7
	99 Missing	229	.3	.3	100.0
	Total	71811	100.0	100.0	

ExBrstFd_1617 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	3054	4.3	15.9	15.9
	2 Exclusively breastfed for first 6 months	4623	6.4	24.0	39.9
	3 Breastfed, NOT exclusively for first 6 months	11156	15.5	58.0	97.9
	4 Breastfed, exclusivity not known	412	.6	2.1	100.0
	Total	19245	26.8	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children less than 6 months	1198	1.7		
	99 Missing	212	.3		
	Total	52566	73.2		
Total		71811	100.0		

BMI4_1617 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)	2188	3.0	6.2	6.2
	2 Healthy weight (5th to 84th percentile)	23513	32.7	66.7	72.9
	3 Overweight (85th to 94th percentile)	5007	7.0	14.2	87.1
	4 Obese (95th percentile or above)	4536	6.3	12.9	100.0
	Total	35244	49.1	100.0	
Missing	90 Children age 0-9 years	34402	47.9		
	99 Missing	2165	3.0		
	Total	36567	50.9		
Total		71811	100.0		

BMI3_1617 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)	2188	3.0	6.2	6.2
	2 Healthy weight (5th to 84th percentile)	23513	32.7	66.7	72.9
	3 Overweight or obese (85th percentile or above)	9543	13.3	27.1	100.0
	Total	35244	49.1	100.0	
Missing	90 Children age 0-9 years	34402	47.9		
	99 Missing	2165	3.0		
	Total	36567	50.9		
Total		71811	100.0		

PhysAct_1617 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	4186	5.8	8.3	8.3
	2 1-3 days	19086	26.6	38.0	46.4
	3 4-6 days	16318	22.7	32.5	78.9
	4 Everyday	10601	14.8	21.1	100.0
	Total	50191	69.9	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	965	1.3		
	Total	21620	30.1		
Total		71811	100.0		

WgtConcn_1617 Indicator 1.6: Parental concern about their children's weight

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes, concerned it is too high	5275	7.3	7.4	7.4
	2 Yes, concerned it is too low	1845	2.6	2.6	10.0
	3 No, not concerned	64085	89.2	90.0	100.0
	Total	71205	99.2	100.0	
Missing	99 Missing	606	.8		
Total		71811	100.0		

LowBWght_1617 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 Children born with low birth weight (<2500g)	5428	7.6	8.0	8.0
	2 Children not born with low birth weight	62046	86.4	92.0	100.0
	Total	67474	94.0	100.0	
Missing	99 Missing	4337	6.0		
Total		71811	100.0		

VeryLBWght_1617 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 Children born with very low birth weight (<1500g)	879	1.2	1.3	1.3
Missing	System	4337	6.0		
Total		71811	100.0		

BornPre_1617 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	7659	10.7	10.8	10.8
Missing	99 Missing	971	1.4		
Total		71811	100.0		

Cond2more27_1617 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	42471	59.1	59.1	59.1
Missing	99 Missing	971	1.4		
Total		71811	100.0	100.0	

allergies_1617 Children who currently have allergies including food, drug, insect, or other

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	51780	72.1	72.3	72.3
	2 Ever told, but do not currently have condition	3873	5.4	5.4	77.8
	3 Currently have condition	15918	22.2	22.2	100.0
	Total	71571	99.7	100.0	
Missing	99 Missing	240	.3		
Total		71811	100.0		

arthritis_1617 Children who currently have arthritis

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	70929	98.8	99.7	99.7
	2 Ever told, but do not currently have condition	51	.1	.1	99.7
	3 Currently have condition	198	.3	.3	100.0
	Total	71178	99.1	100.0	
Missing	99 Missing	633	.9		
Total		71811	100.0		

asthma_1617 Children who currently have asthma

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	62352	86.8	87.7	87.7
	2 Ever told, but do not currently have condition	3045	4.2	4.3	92.0
	3 Currently have condition	5687	7.9	8.0	100.0
	Total	71084	99.0	100.0	
Missing	99 Missing	727	1.0		
Total		71811	100.0		

blood_1617 Children who currently have blood disorders such as sickle cell disease, thalassemia, or hemophilia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	71104	99.0	99.4	99.4
	2 Ever told, but do not currently have condition	102	.1	.1	99.5
	3 Currently have condition	324	.5	.5	100.0
	Total	71530	99.6	100.0	
Missing	99 Missing	281	.4		
Total		71811	100.0		

BrainInj_1617 Children who currently have a brain injury or concussion

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	68291	95.1	95.5	95.5
	2 Ever told, but do not currently have condition	2810	3.9	3.9	99.5
	3 Currently have condition	392	.5	.5	100.0
	Total	71493	99.6	100.0	
Missing	99 Missing	318	.4		
Total		71811	100.0		

palsy_1617 Children who currently have cerebral palsy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	71293	99.3	99.7	99.7
	2 Ever told, but do not currently have condition	29	.0	.0	99.7
	3 Currently have condition	209	.3	.3	100.0
	Total	71531	99.6	100.0	
Missing	99 Missing	280	.4		
Total		71811	100.0		

CystFib_1617 Children who currently have cystic fibrosis

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	71451	99.5	99.9	99.9
	2 Ever told, but do not currently have condition	12	.0	.0	100.0
	3 Currently have condition	34	.0	.0	100.0
	Total	71497	99.6	100.0	
Missing	99 Missing	314	.4		
Total		71811	100.0		

diabetes_1617 Children who currently have diabetes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	71171	99.1	99.5	99.5
	2 Ever told, but do not currently have condition	23	.0	.0	99.5
	3 Currently have condition	323	.4	.5	100.0
	Total	71517	99.6	100.0	
Missing	99 Missing	294	.4		
Total		71811	100.0		

DownSynd_1617 Children who currently have Down Syndrome

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	71432	99.5	99.8	99.8
	2 Ever told, but do not currently have condition	12	.0	.0	99.8
	3 Currently have condition	129	.2	.2	100.0
	Total	71573	99.7	100.0	
Missing	99 Missing	238	.3		
Total		71811	100.0		

seizure_1617 Children who currently have epilepsy or seizure disorder

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	70799	98.6	98.9	98.9
	2 Ever told, but do not currently have condition	300	.4	.4	99.4
	3 Currently have condition	458	.6	.6	100.0
	Total	71557	99.6	100.0	
Missing	99 Missing	254	.4		
Total		71811	100.0		

genetic_1617 Children who currently have a genetic or inherited condition

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	68985	96.1	96.5	96.5
	2 Ever told, but do not currently have condition	140	.2	.2	96.7
	3 Currently have condition	2366	3.3	3.3	100.0
	Total	71491	99.6	100.0	
Missing	99 Missing	320	.4		
Total		71811	100.0		

heart_1617 Children who currently have a heart condition

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	69911	97.4	97.7	97.7
	2 Ever told, but do not currently have condition	738	1.0	1.0	98.7
	3 Currently have condition	921	1.3	1.3	100.0
	Total	71570	99.7	100.0	
Missing	99 Missing	241	.3		
Total		71811	100.0		

headache_1617 Children who currently have frequent severe headache, including migraine, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	58654	81.7	95.1	95.1
	2 Ever told, but do not currently have condition	784	1.1	1.3	96.4
	3 Currently have condition	2218	3.1	3.6	100.0
	Total	61656	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	284	.4		
	Total	10155	14.1		
Total		71811	100.0		

tourette_1617 Children who currently have Tourette Syndrome, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	61558	85.7	99.7	99.7
	2 Ever told, but do not currently have condition	29	.0	.0	99.7
	3 Currently have condition	158	.2	.3	100.0
	Total	61745	86.0	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	195	.3		
	Total	10066	14.0		
Total		71811	100.0		

anxiety_1617 Children who currently have anxiety problems, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	55199	76.9	89.7	89.7
	2 Ever told, but do not currently have condition	824	1.1	1.3	91.0
	3 Currently have condition	5528	7.7	9.0	100.0
	Total	61551	85.7	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	389	.5		
	Total	10260	14.3		
Total		71811	100.0		

depress_1617 Children who currently have depression, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	58550	81.5	95.0	95.0
	2 Ever told, but do not currently have condition	650	.9	1.1	96.0
	3 Currently have condition	2458	3.4	4.0	100.0
	Total	61658	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	282	.4		
	Total	10153	14.1		
Total		71811	100.0		

behavior_1617 Children who currently have behavioral or conduct problems, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	55934	77.9	90.8	90.8
	2 Ever told, but do not currently have condition	1141	1.6	1.9	92.6
	3 Currently have condition	4552	6.3	7.4	100.0
	Total	61627	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	313	.4		
	Total	10184	14.2		
Total		71811	100.0		

SubAbuse_1617 Children who currently have substance abuse disorder, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	50264	70.0	99.7	99.7
	2 Ever told, but do not currently have condition	57	.1	.1	99.8
	3 Currently have condition	107	.1	.2	100.0
	Total	50428	70.2	100.0	
Missing	95 Children age 0-5 years	20655	28.8		
	99 Missing	728	1.0		
	Total	21383	29.8		
Total		71811	100.0		

DevDelay_1617 Children who currently have any developmental delay, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	57412	79.9	93.1	93.1
	2 Ever told, but do not currently have condition	1082	1.5	1.8	94.9
	3 Currently have condition	3149	4.4	5.1	100.0
	Total	61643	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	297	.4		
	Total	10168	14.2		
Total		71811	100.0		

IntDisab_1617 Children who currently have intellectual disability or mental retardation, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	60946	84.9	98.8	98.8
	2 Ever told, but do not currently have condition	18	.0	.0	98.9
	3 Currently have condition	699	1.0	1.1	100.0
	Total	61663	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	277	.4		
	Total	10148	14.1		
Total		71811	100.0		

speech_1617 Children who 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	56710	79.0	91.9	91.9
	2 Ever told, but do not currently have condition	1944	2.7	3.2	95.1
	3 Currently have condition	3026	4.2	4.9	100.0
	Total	61680	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	260	.4		
	Total	10131	14.1		
Total		71811	100.0		

learning_1617 Children who currently have a learning disability, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	57054	79.5	92.5	92.5
	2 Ever told, but do not currently have condition	306	.4	.5	93.0
	3 Currently have condition	4315	6.0	7.0	100.0
	Total	61675	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	265	.4		
	Total	10136	14.1		
Total		71811	100.0		

OthrMent_1617 Children who currently have any other mental health condition, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	58055	80.8	93.9	93.9
	2 Ever told, but do not currently have condition	186	.3	.3	94.2
	3 Currently have condition	3573	5.0	5.8	100.0
	Total	61814	86.1	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	126	.2		
	Total	9997	13.9		
Total		71811	100.0		

autism_1617 Children who 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	59791	83.3	97.1	97.1
	2 Ever told, but do not currently have condition	129	.2	.2	97.3
	3 Currently have condition	1679	2.3	2.7	100.0
	Total	61599	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	341	.5		
	Total	10212	14.2		
Total		71811	100.0		

ADHD_1617 Children who currently have ADD or ADHD, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not have condition	54687	76.2	89.2	89.2
	2 Ever told, but do not currently have condition	537	.7	.9	90.0
	3 Currently have condition	6115	8.5	10.0	100.0
	Total	61339	85.4	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	601	.8		
	Total	10472	14.6		
Total		71811	100.0		

hearing_1617 Children who have deafness or problems with hearing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	830	1.2	1.2	1.2
	2 No	70484	98.2	98.8	100.0
	Total	71314	99.3	100.0	
Missing	99 Missing	497	.7		
Total		71811	100.0		

vision_1617 "Children who have blindness or problems with seeing, even when wearing glasses"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	894	1.2	1.3	1.3
	2 No	70582	98.3	98.7	100.0
	Total	71476	99.5	100.0	
Missing	99 Missing	335	.5		
Total		71811	100.0		

AllerSev_1617 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	55653	77.5	77.8	77.8
	2 Current condition, rated mild	9282	12.9	13.0	90.8
	3 Current condition, rated moderate/severe	6597	9.2	9.2	100.0
	Total	71532	99.6	100.0	
Missing	99 Missing	279	.4		
Total		71811	100.0		

ArthrSev_1617 Parent-rated severity of current arthritis

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	70980	98.8	99.7	99.7
	2 Current condition, rated mild	102	.1	.1	99.9
	3 Current condition, rated moderate/severe	93	.1	.1	100.0
	Total	71175	99.1	100.0	
Missing	99 Missing	636	.9		
Total		71811	100.0		

AsthmSev_1617 Parent-rated severity of current asthma

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	65397	91.1	92.0	92.0
	2 Current condition, rated mild	3999	5.6	5.6	97.7
	3 Current condition, rated moderate/severe	1664	2.3	2.3	100.0
	Total	71060	99.0	100.0	
Missing	99 Missing	751	1.0		
Total		71811	100.0		

BloodSev_1617 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	71206	99.2	99.5	99.5
	2 Current condition, rated mild	222	.3	.3	99.9
	3 Current condition, rated moderate/severe	100	.1	.1	100.0
	Total	71528	99.6	100.0	
Missing	99 Missing	283	.4		
Total		71811	100.0		

BrainSev_1617 Parent-rated severity of current brain injury, concussion, or head injury

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	71101	99.0	99.5	99.5
	2 Current condition, rated mild	150	.2	.2	99.7
	3 Current condition, rated moderate/severe	240	.3	.3	100.0
	Total	71491	99.6	100.0	
Missing	99 Missing	320	.4		
Total		71811	100.0		

PalsySev_1617 Parent-rated severity of current cerebral palsy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	71322	99.3	99.7	99.7
	2 Current condition, rated mild	88	.1	.1	99.8
	3 Current condition, rated moderate/severe	121	.2	.2	100.0
	Total	71531	99.6	100.0	
Missing	99 Missing	280	.4		
Total		71811	100.0		

DiabetSev_1617 Parent-rated severity of current diabetes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	71194	99.1	99.6	99.6
	2 Current condition, rated mild	71	.1	.1	99.7
	3 Current condition, rated moderate/severe	246	.3	.3	100.0
	Total	71511	99.6	100.0	
Missing	99 Missing	300	.4		
Total		71811	100.0		

DownSSev_1617 Parent-rated severity of current Down Syndrome

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	71444	99.5	99.8	99.8
	2 Current condition, rated mild	40	.1	.1	99.9
	3 Current condition, rated moderate/severe	88	.1	.1	100.0
	Total	71572	99.7	100.0	
Missing	99 Missing	239	.3		
Total		71811	100.0		

SeizSev_1617 Parent-rated severity of current epilepsy or seizure disorder

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	71099	99.0	99.4	99.4
	2 Current condition, rated mild	252	.4	.4	99.7
	3 Current condition, rated moderate/severe	200	.3	.3	100.0
	Total	71551	99.6	100.0	
Missing	99 Missing	260	.4		
Total		71811	100.0		

GenetSev_1617 Parent-rated severity of current genetic or inherited condition

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	69125	96.3	96.7	96.7
	2 Current condition, rated mild	919	1.3	1.3	98.0
	3 Current condition, rated moderate/severe	1429	2.0	2.0	100.0
	Total	71473	99.5	100.0	
Missing	99 Missing	338	.5		
Total		71811	100.0		

HeartSev_1617 Parent-rated severity of current heart condition

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	70649	98.4	98.7	98.7
	2 Current condition, rated mild	710	1.0	1.0	99.7
	3 Current condition, rated moderate/severe	205	.3	.3	100.0
	Total	71564	99.7	100.0	
Missing	99 Missing	247	.3		
Total		71811	100.0		

HeadSev_1617 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	59438	82.8	96.4	96.4
	2 Current condition, rated mild	1073	1.5	1.7	98.2
	3 Current condition, rated moderate/severe	1122	1.6	1.8	100.0
	Total	61633	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	307	.4		
	Total	10178	14.2		
Total		71811	100.0		

TouretSev_1617 Parent-rated severity of current Tourette Syndrome, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	61587	85.8	99.7	99.7
	2 Current condition, rated mild	96	.1	.2	99.9
	3 Current condition, rated moderate/severe	61	.1	.1	100.0
	Total	61744	86.0	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	196	.3		
	Total	10067	14.0		
Total		71811	100.0		

AnxietSev_1617 Parent-rated severity of current anxiety, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	56023	78.0	91.1	91.1
	2 Current condition, rated mild	2636	3.7	4.3	95.4
	3 Current condition, rated moderate/severe	2852	4.0	4.6	100.0
	Total	61511	85.7	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	429	.6		
	Total	10300	14.3		
Total		71811	100.0		

DepresSev_1617 Parent-rated severity of current depression, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	59200	82.4	96.0	96.0
	2 Current condition, rated mild	1214	1.7	2.0	98.0
	3 Current condition, rated moderate/severe	1223	1.7	2.0	100.0
	Total	61637	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	303	.4		
	Total	10174	14.2		
Total		71811	100.0		

BehavSev_1617 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	57075	79.5	92.7	92.7
	2 Current condition, rated mild	1952	2.7	3.2	95.8
	3 Current condition, rated moderate/severe	2569	3.6	4.2	100.0
	Total	61596	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	344	.5		
	Total	10215	14.2		
Total		71811	100.0		

SubAbSev_1617 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	50321	70.1	99.8	99.8
	2 Current condition, rated mild	47	.1	.1	99.9
	3 Current condition, rated moderate/severe	58	.1	.1	100.0
	Total	50426	70.2	100.0	
Missing	95 Children age 0-5 years	20655	28.8		
	99 Missing	730	1.0		
	Total	21385	29.8		
Total		71811	100.0		

DevDelSev_1617 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	58494	81.5	94.9	94.9
	2 Current condition, rated mild	1348	1.9	2.2	97.1
	3 Current condition, rated moderate/severe	1777	2.5	2.9	100.0
	Total	61619	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	321	.4		
	Total	10192	14.2		
Total		71811	100.0		

IntDisSev_1617 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	60964	84.9	98.9	98.9
	2 Current condition, rated mild	229	.3	.4	99.2
	3 Current condition, rated moderate/severe	465	.6	.8	100.0
	Total	61658	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	282	.4		
	Total	10153	14.1		
Total		71811	100.0		

SpeechSev_1617 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	58654	81.7	95.1	95.1
	2 Current condition, rated mild	1749	2.4	2.8	97.9
	3 Current condition, rated moderate/severe	1267	1.8	2.1	100.0
	Total	61670	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	270	.4		
	Total	10141	14.1		
Total		71811	100.0		

LearnSev_1617 Parent-rated severity of current learning disability, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	57360	79.9	93.1	93.1
	2 Current condition, rated mild	2016	2.8	3.3	96.3
	3 Current condition, rated moderate/severe	2260	3.1	3.7	100.0
	Total	61636	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	304	.4		
	Total	10175	14.2		
Total		71811	100.0		

OthMHSev_1617 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	58241	81.1	94.3	94.3
	2 Current condition, rated mild	1181	1.6	1.9	96.2
	3 Current condition, rated moderate/severe	2342	3.3	3.8	100.0
	Total	61764	86.0	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	176	.2		
	Total	10047	14.0		
Total		71811	100.0		

AutismSev_1617 Parent-rated severity of current autism, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	59920	83.4	97.3	97.3
	2 Current condition, rated mild	845	1.2	1.4	98.7
	3 Current condition, rated moderate/severe	815	1.1	1.3	100.0
	Total	61580	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	360	.5		
	Total	10231	14.2		
Total		71811	100.0		

ADHDSev_1617 Parent-rated severity of current ADD/ADHD, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Does not currently have condition	55224	76.9	90.1	90.1
	2 Current condition, rated mild	2657	3.7	4.3	94.5
	3 Current condition, rated moderate/severe	3385	4.7	5.5	100.0
	Total	61266	85.3	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	674	.9		
	Total	10545	14.7		
Total		71811	100.0		

Diff2more_1617 Indicator 1.10: Children who experience two or more functional difficulties from a list of 12 difficulties

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Did not have any difficulties	53647	74.7	74.8	74.8
	1 One functional difficulty	11598	16.2	16.2	91.0
	2 Two or more functional difficulties	6452	9.0	9.0	100.0
	Total	71697	99.8	100.0	
Missing	99 Missing to all	114	.2		
Total		71811	100.0		

DiffBreath_1617 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	5829	8.1	8.2	8.2
	2 No	65678	91.5	91.8	100.0
	Total	71507	99.6	100.0	
Missing	99 Missing	304	.4		
Total		71811	100.0		

DiffSwall_1617 Children who have had difficulty with eating or swallowing in the past 12 months

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1023	1.4	1.4	1.4
	2 No	70278	97.9	98.6	100.0
	Total	71301	99.3	100.0	
Missing	99 Missing	510	.7		
Total		71811	100.0		

DiffDigest_1617 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	5414	7.5	7.6	7.6
	2 No	65797	91.6	92.4	100.0
	Total	71211	99.2	100.0	
Missing	99 Missing	600	.8		
Total		71811	100.0		

DiffPain_1617 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	4633	6.5	6.5	6.5
	2 No	66732	92.9	93.5	100.0
	Total	71365	99.4	100.0	
Missing	99 Missing	446	.6		
Total		71811	100.0		

DiffHands_1617 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	1262	1.8	6.1	6.1
	2 No	19279	26.8	93.9	100.0
	Total	20541	28.6	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	99 Missing	114	.2		
	Total	51270	71.4		
Total		71811	100.0		

DiffCoor_1617 Children who have had difficulty with coordination or moving around in the past 12 months, age 0-5 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1420	2.0	6.9	6.9
	2 No	19118	26.6	93.1	100.0
	Total	20538	28.6	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	99 Missing	117	.2		
	Total	51273	71.4		
Total		71811	100.0		

DiffMem_1617 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	4896	6.8	9.7	9.7
	2 No	45396	63.2	90.3	100.0
	Total	50292	70.0	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	864	1.2		
	Total	21519	30.0		
Total		71811	100.0		

DiffWalk_1617 Children who have serious difficulty walking or climbing stairs, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	403	.6	.8	.8
	2 No	49852	69.4	99.2	100.0
	Total	50255	70.0	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	901	1.3		
	Total	21556	30.0		
Total		71811	100.0		

DiffDress_1617 Children who have difficulty dressing or bathing, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	682	.9	1.4	1.4
	2 No	49345	68.7	98.6	100.0
	Total	50027	69.7	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1129	1.6		
	Total	21784	30.3		
Total		71811	100.0		

DiffErrand_1617 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	1193	1.7	4.1	4.1
	2 No	27779	38.7	95.9	100.0
	Total	28972	40.3	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	99 Missing	645	.9		
	Total	42839	59.7		
Total		71811	100.0		

CSHCN_1617 Indicator 1.11: Children with special health care needs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN	16304	22.7	22.7	22.7
	2 Non-CSHCN	55507	77.3	77.3	100.0
	Total	71811	100.0	100.0	

rxmeds_1617 Children qualifying on the CSHCN Screener prescription medication criteria

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	12318	17.2	17.2	17.2
	2 Do not meet screening criteria	59493	82.8	82.8	100.0
	Total	71811	100.0	100.0	

serve_1617 Children qualifying on the CSHCN Screener for elevated use of services criteria

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	8203	11.4	11.4	11.4
	2 Do not meet screening criteria	63608	88.6	88.6	100.0
	Total	71811	100.0	100.0	

func_1617 Children qualifying on the CSHCN Screener functional limitations criteria

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	3770	5.2	5.2	5.2
	2 Do not meet screening criteria	68041	94.8	94.8	100.0
	Total	71811	100.0	100.0	

therapy_1617 Children qualifying on the CSHCN Screener specialized therapy criteria

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	3815	5.3	5.3	5.3
	2 Do not meet screening criteria	67996	94.7	94.7	100.0
	Total	71811	100.0	100.0	

mhealth_1617 Qualified on ongoing emotional, developmental or behavioral conditions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Meet screening criteria	6792	9.5	9.5	9.5
	2 Do not meet screening criteria	65019	90.5	90.5	100.0
	Total	71811	100.0	100.0	

mhneeds_1617 CSHCN with and without ongoing emotional, developmental and/or behavioral health special needs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN qualifying on mental health criteria	6792	9.5	9.5	9.5
	2 CSHCN NOT qualifying on mental health criteria	9512	13.2	13.2	22.7
	3 Non-CSHCN	55507	77.3	77.3	100.0
	Total	71811	100.0	100.0	

qualnum4_1617 Number of CSHCN Screener criteria CSHCN met

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Qualified on 1 screener criteria	7188	10.0	44.1	44.1
	2 Qualified on 2 screener criteria	3552	4.9	21.8	65.9
	3 Qualified on 3 screener criteria	2767	3.9	17.0	82.8
	4 Qualified on 4 or 5 screener criteria	2797	3.9	17.2	100.0
	Total	16304	22.7	100.0	
Missing	0 Non-CSHCN	55507	77.3		
Total		71811	100.0		

CSHCNtype_1617 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)	55507	77.3	77.3	77.3
	1 CSHCN - Functional limitations (alone or in combination with other qualifying needs)	3770	5.2	5.2	82.5
	2 CSHCN - Prescription medication only (no other qualifying needs on CSHCN Screener)	5380	7.5	7.5	90.0
	3 CSHCN - Above-routine use of services or use of specialized services (no other qualifying needs on CSHCN Screener)	2614	3.6	3.6	93.7
	4 CSHCN - Prescription medication AND above-routine use of services	4540	6.3	6.3	100.0
	Total	71811	100.0	100.0	

CSHCNComplex_1617 CSHCN status and complexity of health care needs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 CSHCN with more complex health needs	10924	15.2	15.2	15.2
	2 CSHCN with less complex health needs	5380	7.5	7.5	22.7
	3 Non-CSHCN	55507	77.3	77.3	100.0
	Total	71811	100.0	100.0	

DailyAct_1617 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	16384	22.8	59.1	59.1
	2 Daily activities moderately affected some of time	8898	12.4	32.1	91.2
	3 Daily activities consistently affected, often a great deal	2441	3.4	8.8	100.0
	Total	27723	38.6	100.0	
Missing	0 Do not have any conditions	43554	60.7		
	99 Missing to both items	534	.7		
	Total	44088	61.4		
Total		71811	100.0		

Emotional and Mental Health**bully_1617 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	2778	3.9	5.5	5.5
	2 Not true	47497	66.1	94.5	100.0
	Total	50275	70.0	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	881	1.2		
	Total	21536	30.0		
Total		71811	100.0		

bullied_1617 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	11545	16.1	23.0	23.0
	2 Not true	38608	53.8	77.0	100.0
	Total	50153	69.8	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1003	1.4		
	Total	21658	30.2		
Total		71811	100.0		

flrish0to5_1617 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	1278	1.8	6.6	6.6
	2 Definitely true response to 3 items	4610	6.4	23.7	30.3
	3 Definitely true response to all 4 items	13532	18.8	69.7	100.0
	Total	19420	27.0	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children age <6 months	1198	1.7		
	99 Missing to all 4 items	37	.1		
	Total	52391	73.0		
Total		71811	100.0		

resil0to5_1617 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	14152	19.7	73.2	73.2
	2 Somewhat true or Not true	5181	7.2	26.8	100.0
	Total	19333	26.9	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children age <6 months	1198	1.7		
	99 Missing	124	.2		
	Total	52478	73.1		
Total		71811	100.0		

tender_1617 Children are affectionate and tender with parent, age 6 months-5 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	18442	25.7	95.2	95.2
	2 Somewhat true or Not true	921	1.3	4.8	100.0
	Total	19363	27.0	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children age <6 months	1198	1.7		
	99 Missing	94	.1		
	Total	52448	73.0		
Total		71811	100.0		

curious0to5_1617 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	18591	25.9	96.0	96.0
	2 Somewhat true or Not true	772	1.1	4.0	100.0
	Total	19363	27.0	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children age <6 months	1198	1.7		
	99 Missing	94	.1		
	Total	52448	73.0		
Total		71811	100.0		

smile_1617 Children who smile and laugh a lot, age 6 months-5 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	18848	26.2	97.3	97.3
	2 Somewhat true or Not true	528	.7	2.7	100.0
	Total	19376	27.0	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children age <6 months	1198	1.7		
	99 Missing	81	.1		
	Total	52435	73.0		
Total		71811	100.0		

flrish6to17_1617 Indicator 2.4: Flourishing for children and adolescents, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true response to 0-1 items	16585	23.1	32.5	32.5
	2 Definitely true response to 2 items	13419	18.7	26.3	58.8
	3 Definitely true response to all 3 items	21046	29.3	41.2	100.0
	Total	51050	71.1	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing to all 3 items	106	.1		
	Total	20761	28.9		
Total		71811	100.0		

curious6to17_1617 Children who show interest and curiosity in learning new things, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	42640	59.4	83.8	83.8
	2 Somewhat true or Not true	8253	11.5	16.2	100.0
	Total	50893	70.9	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	263	.4		
	Total	20918	29.1		
Total		71811	100.0		

resil6to17_1617 Children who stay calm and in control when faced with a challenge, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	25464	35.5	50.6	50.6
	2 Somewhat true	21645	30.1	43.0	93.7
	3 Not true	3186	4.4	6.3	100.0
	Total	50295	70.0	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	861	1.2		
	Total	21516	30.0		
Total		71811	100.0		

finishes_1617 Children who work to finish the tasks they start, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	32746	45.6	65.1	65.1
	2 Somewhat true or Not true	17546	24.4	34.9	100.0
	Total	50292	70.0	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	864	1.2		
	Total	21519	30.0		
Total		71811	100.0		

argue_1617 Indicator 2.5: Children who argue too much, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	3251	4.5	6.5	6.5
	2 Somewhat true	13124	18.3	26.1	32.5
	3 Not true	33972	47.3	67.5	100.0
	Total	50347	70.1	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	809	1.1		
	Total	21464	29.9		
Total		71811	100.0		

MakeFriend_1617 Indicator 2.6: Difficulties making and keeping friends, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No difficulty	38617	53.8	76.9	76.9
	2 A little difficulty	9194	12.8	18.3	95.2
	3 A lot of difficulty	2398	3.3	4.8	100.0
	Total	50209	69.9	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	947	1.3		
	Total	21602	30.1		
Total		71811	100.0		

ADHDind_1617 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	54687	76.2	89.2	89.2
	2 Ever told, but do not currently have condition	537	.7	.9	90.0
	3 Currently have condition	6115	8.5	10.0	100.0
	Total	61339	85.4	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	601	.8		
	Total	10472	14.6		
Total		71811	100.0		

ADHDSevInd_1617 Indicator 2.7a: Parent-rated severity of current ADD/ADHD, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not currently have condition	55224	76.9	90.1	90.1
	2 Current condition, rated mild	2657	3.7	4.3	94.5
	3 Current condition, rated moderate/severe	3385	4.7	5.5	100.0
	Total	61266	85.3	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	674	.9		
	Total	10545	14.7		
Total		71811	100.0		

ADHDMed_1617 Indicator 2.7b: Children currently taking medication for ADD or ADHD, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not currently have condition	55224	76.9	90.1	90.1
	2 Currently have condition but not taking medication	2150	3.0	3.5	93.6
	3 Currently have condition and taking medication	3929	5.5	6.4	100.0
	Total	61303	85.4	100.0	
Missing	95 Children age 0-2 year	9871	13.7		
	99 Missing	637	.9		
	Total	10508	14.6		
Total		71811	100.0		

ADHDBehTreat_1617 Indicator 2.7c: Received behavioral treatment for ADD/ADHD, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not currently have condition	55224	76.9	90.1	90.1
	2 Currently have condition but did not receive behavioral treatment	3336	4.6	5.4	95.5
	3 Currently have condition and received behavioral treatment	2757	3.8	4.5	100.0
	Total	61317	85.4	100.0	
Missing	95 Children age 0-2 year	9871	13.7		
	99 Missing	623	.9		
	Total	10494	14.6		
Total		71811	100.0		

AutismInd_1617 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	59791	83.3	97.1	97.1
	2 Ever told, but do not currently have condition	129	.2	.2	97.3
	3 Currently have condition	1679	2.3	2.7	100.0
	Total	61599	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	341	.5		
	Total	10212	14.2		
Total		71811	100.0		

ASDSelInd_1617 Indicator 2.8a: Parent-rated severity of current autism, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not currently have condition	59920	83.4	97.3	97.3
	2 Current condition, rated mild	845	1.2	1.4	98.7
	3 Current condition, rated moderate/severe	815	1.1	1.3	100.0
	Total	61580	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	360	.5		
	Total	10231	14.2		
Total		71811	100.0		

ASDMed_1617 Indicator 2.8b: Children currently taking medication for autism/ASD, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Do not currently have condition	59920	83.4	97.3	97.3
	2 Currently have condition but not taking medication	1161	1.6	1.9	99.2
	3 Currently have condition and taking medication	506	.7	.8	100.0
	Total	61587	85.8	100.0	
Missing	95 Children age 0-2 year	9871	13.7		
	99 Missing	353	.5		
	Total	10224	14.2		
Total		71811	100.0		

ASDBehTreat_1617 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 Do not currently have condition	59920	83.4	97.3	97.3
	2 Currently have condition but did not receive behavioral treatment	641	.9	1.0	98.3
	3 Currently have condition and received behavioral treatment	1026	1.4	1.7	100.0
	Total	61587	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	353	.5		
	Total	10224	14.2		
Total		71811	100.0		

ASDAge_1617 Indicator 2.8d: Age of diagnosis for autism/ASD, age 3-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-2 years	378	.5	22.4	22.4
	2 3-5 years	720	1.0	42.7	65.1
	3 Older than 5 years	588	.8	34.9	100.0
	Total	1686	2.3	100.0	
Missing	995 Children age 0-2 year	9871	13.7		
	998 Never told that child has autism/ASD	59791	83.3		
	999 Don't know/Missing	463	.6		
	Total	70125	97.7		
Total		71811	100.0		

ASDDrType_1617 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	245	.3	14.0	14.0
	2 Specialist	615	.9	35.2	49.3
	3 Psychologist/Counselor (school or non-school)	499	.7	28.6	77.8
	4 Psychiatrist	219	.3	12.5	90.4
	5 Other health care provider	168	.2	9.6	100.0
	Total	1746	2.4	100.0	
Missing	95 Children age 0-2 year	9871	13.7		
	96 Never told that child has ASD	59791	83.3		
	99 Don't Know/Missing	403	.6		
	Total	70065	97.6		
Total		71811	100.0		

MedEmotion_1617 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	6211	8.6	10.1	10.1
	2 No	55084	76.7	89.9	100.0
	Total	61295	85.4	100.0	
Missing	90 Children age 0-2 years	9871	13.7		
	99 Missing	645	.9		
	Total	10516	14.6		
Total		71811	100.0		

Health Insurance Coverage

CurrIns_1617 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)	68919	96.0	96.3	96.3
	2 Not insured or only insured through Indian Health Service or a religious health share at time of survey	2624	3.7	3.7	100.0
	Total	71543	99.6	100.0	
Missing	99 Missing	268	.4		
Total		71811	100.0		

InsGap_1617 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	67590	94.1	94.8	94.8
	2 Child had a gap in coverage	3695	5.1	5.2	100.0
	Total	71285	99.3	100.0	
Missing	99 Missing	526	.7		
Total		71811	100.0		

NoCovEmp_1617 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	1053	1.5	29.6	29.6
	2 Gap not related to employment change	2500	3.5	70.4	100.0
	Total	3553	4.9	100.0	
Missing	95 Insured continuously all year	67590	94.1		
	99 Missing	668	.9		
	Total	68258	95.1		
Total		71811	100.0		

NoCovOverdue_1617 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	176	.2	5.0	5.0
	2 Gap not related to overdue premium	3377	4.7	95.0	100.0
	Total	3553	4.9	100.0	
Missing	95 Insured continuously all year	67590	94.1		
	99 Missing	668	.9		
	Total	68258	95.1		
Total		71811	100.0		

NoCovUnafford_1617 Dropped health insurance coverage because it was unaffordable

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to unaffordability	661	.9	18.6	18.6
	2 Gap not related to unaffordability	2892	4.0	81.4	100.0
	Total	3553	4.9	100.0	
Missing	95 Insured continuously all year	67590	94.1		
	99 Missing	668	.9		
	Total	68258	95.1		
Total		71811	100.0		

NoCovBenInadeq_1617 Dropped health insurance coverage because benefits were inadequate

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Gap related to inadequacy of coverage	208	.3	5.9	5.9
	2 Gap not due to inadequacy of coverage	3345	4.7	94.1	100.0
	Total	3553	4.9	100.0	
Missing	95 Insured continuously all year	67590	94.1		
	99 Missing	668	.9		
	Total	68258	95.1		
Total		71811	100.0		

NoCovProInadeq_1617 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	139	.2	3.9	3.9
	2 Gap not related to inadequacy of provider options	3414	4.8	96.1	100.0
	Total	3553	4.9	100.0	
Missing	95 Insured continuously all year	67590	94.1		
	99 Missing	668	.9		
	Total	68258	95.1		
Total		71811	100.0		

NoCovRenew_1617 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	810	1.1	22.8	22.8
	2 Gap not related to renewal or application process	2743	3.8	77.2	100.0
	Total	3553	4.9	100.0	
Missing	95 Insured continuously all year	67590	94.1		
	99 Missing	668	.9		
	Total	68258	95.1		
Total		71811	100.0		

InsType_1617 Indicator 3.3: Type of current health insurance

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Public only (government assistance)	13391	18.6	18.9	18.9
	2 Private only (privately purchased, including through ACA marketplace, through employer, or TRICARE)	52109	72.6	73.7	92.6
	3 Public and private	2625	3.7	3.7	96.3
	4 Uninsured	2624	3.7	3.7	100.0
	Total	70749	98.5	100.0	
Missing	99 Missing	1062	1.5		
Total		71811	100.0		

InsAdeq_1617 Indicator 3.4: Adequacy of current Insurance coverage

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Current insurance adequate for child's needs	49403	68.8	71.8	71.8
	2 Current insurance NOT adequate for child's needs	19386	27.0	28.2	100.0
	Total	68789	95.8	100.0	
Missing	95 Uninsured	2624	3.7		
	99 Missing to all questions	398	.6		
	Total	3022	4.2		
Total		71811	100.0		

benefits_1617 Current insurance coverage meets child's health needs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	44666	62.2	65.3	65.3
	2 Usually	19412	27.0	28.4	93.6
	3 Sometimes or never	4348	6.1	6.4	100.0
	Total	68426	95.3	100.0	
Missing	95 Uninsured	2624	3.7		
	99 Missing	761	1.1		
	Total	3385	4.7		
Total		71811	100.0		

allows_1617 Current insurance coverage allows child to see needed provider

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	53529	74.5	78.3	78.3
	2 Usually	12368	17.2	18.1	96.4
	3 Sometimes or never	2427	3.4	3.6	100.0
	Total	68324	95.1	100.0	
Missing	95 Uninsured	2624	3.7		
	99 Missing	863	1.2		
	Total	3487	4.9		
Total		71811	100.0		

expense_1617 Current insurance out-of-pocket expenses are reasonable

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No out of pocket expenses	14327	20.0	21.1	21.1
	1 Always	12865	17.9	18.9	40.0
	2 Usually	23062	32.1	33.9	73.9
	3 Sometimes or never	17793	24.8	26.1	100.0
	Total	68047	94.8	100.0	
Missing	95 Uninsured	2624	3.7		
	99 Missing	1140	1.6		
	Total	3764	5.2		
Total		71811	100.0		

insurance_1617 Indicator 3.4a: Children who are continuously and adequately insured

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Currently insured, consistently insured and insurance is adequate	48828	68.0	68.2	68.2
	2 Not currently insured, had coverage gap or inadequate insurance	22741	31.7	31.8	100.0
	Total	71569	99.7	100.0	
Missing	99 Missing to both	242	.3		
Total		71811	100.0		

InsMentH_1617 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	5630	7.8	46.3	46.3
	2 Usually	3328	4.6	27.4	73.7
	3 Sometimes or never	3199	4.5	26.3	100.0
	Total	12157	16.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	96 Did not receive mental health services/Uninsured at time of the survey	49102	68.4		
	99 Missing	681	.9		
	Total	59654	83.1		
Total		71811	100.0		

OutOfPckt_1617 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	36202	50.4	51.2	51.2
	2 \$250 - \$499	12582	17.5	17.8	68.9
	3 \$500 - \$999	9546	13.3	13.5	82.4
	4 \$1000 - \$5000	10748	15.0	15.2	97.6
	5 More than \$5000	1688	2.4	2.4	100.0
	Total	70766	98.5	100.0	
Missing	99 Missing	1045	1.5		
Total		71811	100.0		

Health Care Access and Quality**MedCare_1617 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	63662	88.7	88.8	88.8
	2 Did not receive any medical care	8059	11.2	11.2	100.0
	Total	71721	99.9	100.0	
Missing	99 Missing	90	.1		
Total		71811	100.0		

PrevMed_1617 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	60577	84.4	85.1	85.1
	2 No preventive care visits	10640	14.8	14.9	100.0
	Total	71217	99.2	100.0	
Missing	99 Missing	594	.8		
Total		71811	100.0		

VisitTime_1617 Indicator 4.1b: Time with doctor during last preventive check-up

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 10 minutes	10188	14.2	16.9	16.9
	2 10-20 minutes	39075	54.4	64.7	81.6
	3 More than 20 minutes	11096	15.5	18.4	100.0
	Total	60359	84.1	100.0	
Missing	95 No preventive care visits during last 12 months	10640	14.8		
	99 Missing	812	1.1		
	Total	11452	15.9		
Total		71811	100.0		

PrivateTalk_1617 Indicator 4.1c: Doctor spoke with child 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	12775	17.8	54.0	54.0
	2 No	10869	15.1	46.0	100.0
	Total	23644	32.9	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	95 No preventive care visits in past 12 months	5270	7.3		
	99 Missing	703	1.0		
	Total	48167	67.1		
	Total	71811	100.0		

DentCare_1617 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	57351	79.9	83.4	83.4
	2 Saw other oral health care provider	1323	1.8	1.9	85.4
	3 No dental or oral health care visits	10064	14.0	14.6	100.0
	Total	68738	95.7	100.0	
Missing	95 Children less than 1 year old	2648	3.7		
	99 Missing	425	.6		
	Total	3073	4.3		
Total		71811	100.0		

PrevDent_1617 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	56966	79.3	83.2	83.2
	2 No preventive dental visits	11507	16.0	16.8	100.0
	Total	68473	95.4	100.0	
Missing	95 Children less than 1 year old	2648	3.7		
	99 Missing	690	1.0		
	Total	3338	4.6		
Total		71811	100.0		

DentCheck_1617 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	53634	74.7	78.6	78.6
	2 Received preventive dental care, but not dental check-up	3113	4.3	4.6	83.1
	3 Did not receive preventive dental care	11507	16.0	16.9	100.0
	Total	68254	95.0	100.0	
Missing	95 Children age 0-1 year	2648	3.7		
	99 Missing/Don't know	909	1.3		
	Total	3557	5.0		
Total		71811	100.0		

DentCleaning_1617 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	52907	73.7	77.5	77.5
	2 Received preventive dental care, but not dental cleaning	3834	5.3	5.6	83.1
	3 Did not receive preventive dental care	11507	16.0	16.9	100.0
	Total	68248	95.0	100.0	
Missing	95 Children age 0-1 year	2648	3.7		
	99 Missing/Don't know	915	1.3		
	Total	3563	5.0		
Total		71811	100.0		

DentInstruct_1617 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	32956	45.9	48.3	48.3
	2 Received preventive dental care, but not instruction on oral health care	23770	33.1	34.8	83.1
	3 Did not receive preventive dental care	11507	16.0	16.9	100.0
	Total	68233	95.0	100.0	
Missing	95 Children age 0-1 year	2648	3.7		
	99 Missing/Don't know	930	1.3		
	Total	3578	5.0		
Total		71811	100.0		

DentXray_1617 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	35091	48.9	51.4	51.4
	2 Received preventive dental care, but not X-ray	21634	30.1	31.7	83.1
	3 Did not receive preventive dental care	11507	16.0	16.9	100.0
	Total	68232	95.0	100.0	
Missing	95 Children age 0-1 year	2648	3.7		
	99 Missing/Don't know	931	1.3		
	Total	3579	5.0		
Total		71811	100.0		

fluoride_1617 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	35488	49.4	52.0	52.0
	2 Received preventive dental care, but not fluoride treatment	21244	29.6	31.1	83.1
	3 Did not receive preventive dental care	11507	16.0	16.9	100.0
	Total	68239	95.0	100.0	
Missing	95 Children age 0-1 year	2648	3.7		
	99 Missing/Don't know	924	1.3		
	Total	3572	5.0		
Total		71811	100.0		

sealant_1617 Children who had sealant during the past 12 months, age 1-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Had dental sealant	13036	18.2	19.1	19.1
	2 Received preventive dental care, but not dental sealant	43674	60.8	64.0	83.1
	3 Did not receive preventive dental care	11507	16.0	16.9	100.0
	Total	68217	95.0	100.0	
Missing	95 Children age 0-1 year	2648	3.7		
	99 Missing/Don't know	946	1.3		
	Total	3594	5.0		
Total		71811	100.0		

MedDentCare_1617 Indicator 4.3: Children who received both preventive medical and dental care visits in past 12 months

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received both preventive care	50971	71.0	72.2	72.2
	2 Did not receive both preventive care	19638	27.3	27.8	100.0
	Total	70609	98.3	100.0	
Missing	99 Missing to any	1202	1.7		
Total		71811	100.0		

MentHCare_1617 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	7346	10.2	11.9	11.9
	2 No, but needed to see a mental health professional	1186	1.7	1.9	13.8
	3 No, did not need to see a mental health professional	53117	74.0	86.2	100.0
	Total	61649	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	291	.4		
	Total	10162	14.2		
Total		71811	100.0		

MentHProb_1617 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	4846	6.7	58.1	58.1
	2 Received or needed mental health care but had a small problem getting it	2404	3.3	28.8	87.0
	3 Received or needed mental health care but had a big problem getting it	1087	1.5	13.0	100.0
	Total	8337	11.6	100.0	
Missing	95 Did not need to see a mental health professional	53117	74.0		
	96 Children age 0-2 years	9871	13.7		
	99 Missing	486	.7		
	Total	63474	88.4		
Total		71811	100.0		

SpecCare_1617 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	12163	16.9	17.1	17.1
	2 No, but needed to see a specialist	1031	1.4	1.4	18.5
	3 No, did not need to see a specialist	58014	80.8	81.5	100.0
	Total	71208	99.2	100.0	
Missing	99 Missing	603	.8		
Total		71811	100.0		

SpCareProb_1617 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	9748	13.6	75.6	75.6
	2 Received or needed specialist care but had a small problem getting it	2462	3.4	19.1	94.7
	3 Received or needed specialist care but had a big problem getting it	683	1.0	5.3	100.0
	Total	12893	18.0	100.0	
Missing	95 Did not need care from a specialist	58014	80.8		
	99 Missing	904	1.3		
	Total	58918	82.0		
Total		71811	100.0		

VisnTest_1617 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	51929	72.3	72.5	72.5
	2 Did not receive vision screening	19657	27.4	27.5	100.0
	Total	71586	99.7	100.0	
Missing	99 Missing	225	.3		
Total		71811	100.0		

ERVisit_1617 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	59197	82.4	82.8	82.8
	2 1 time	9739	13.6	13.6	96.4
	3 2 or more times	2593	3.6	3.6	100.0
	Total	71529	99.6	100.0	
Missing	99 Missing	282	.4		
Total		71811	100.0		

AlterHC_1617 Indicator 4.8: Use of alternative health care or treatment during the past 12 months

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	6169	8.6	8.7	8.7
	2 No	64900	90.4	91.3	100.0
	Total	71069	99.0	100.0	
	Missing	742	1.0		
Total		71811	100.0		

DrAskConc_1617 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	7640	10.6	38.3	38.3
	2 No	12333	17.2	61.7	100.0
	Total	19973	27.8	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Did not use any of 4 services	640	.9		
	99 Missing	42	.1		
	Total	51838	72.2		
Total		71811	100.0		

DevScrnng_1617 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	2811	3.9	36.2	36.2
	2 Parent did not complete developmental screening	4962	6.9	63.8	100.0
	Total	7773	10.8	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children age 0-8 months or 3-5 years	12626	17.6		
	99 Missing	256	.4		
	Total	64038	89.2		
Total		71811	100.0		

SpecServ_1617 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	5102	7.1	7.2	7.2
	2 Do not currently receive special services	66035	92.0	92.8	100.0
	Total	71137	99.1	100.0	
Missing	99 Missing	674	.9		
Total		71811	100.0		

SpSerAge_1617 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	3124	4.4	28.2	28.2
	2 At age 3-5 years old	4496	6.3	40.6	68.8
	3 At age 6-17 years old	3460	4.8	31.2	100.0
	Total	11080	15.4	100.0	
Missing	0 Never received the services	59662	83.1		
	99 Missing	1069	1.5		
	Total	60731	84.6		
Total		71811	100.0		

MedHome_1617 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	39677	55.3	55.3	55.3
	2 Care DOES NOT meet medical home criteria	32083	44.7	44.7	100.0
	Total	71760	99.9	100.0	
Missing	99 Missing to all	51	.1		
Total		71811	100.0		

PerDrNs_1617 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	55561	77.4	77.8	77.8
	2 Do not have a personal doctor or nurse	15881	22.1	22.2	100.0
	Total	71442	99.5	100.0	
Missing	99 Missing	369	.5		
Total		71811	100.0		

UsualSck_1617 Indicator 4.12b: Usual sources for sick care

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have usual sources for sick care	59572	83.0	84.0	84.0
	2 Do not have usual sources for sick care	11356	15.8	16.0	100.0
	Total	70928	98.8	100.0	
Missing	99 Missing	883	1.2		
Total		71811	100.0		

UsualPrev_1617 Usual sources for preventive care

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Have usual sources for preventive care	67421	93.9	94.5	94.5
	2 Do not have usual sources for preventive care	3954	5.5	5.5	100.0
	Total	71375	99.4	100.0	
Missing	99 Missing	436	.6		
Total		71811	100.0		

FamCent_1617 Indicator 4.12c: Medical Home Component: Family-centered care

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Received family-centered care	56659	78.9	90.0	90.0
	2 Did not receive family-centered care	6302	8.8	10.0	100.0
	Total	62961	87.7	100.0	
Missing	0 Did not have health care visit in the past 12 months	8059	11.2		
	99 Missing to all	791	1.1		
	Total	8850	12.3		
Total		71811	100.0		

time_1617 Doctors spent enough time with children

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	42182	58.7	67.1	67.1
	2 Usually	16563	23.1	26.4	93.5
	3 Sometimes or never	4074	5.7	6.5	100.0
	Total	62819	87.5	100.0	
Missing	0 Did not have a health care visit in the past 12 months	8059	11.2		
	99 Missing	933	1.3		
	Total	8992	12.5		
Total		71811	100.0		

listen_1617 Doctors listened carefully to children's parents

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	46709	65.0	74.5	74.5
	2 Usually	13613	19.0	21.7	96.2
	3 Sometimes or never	2352	3.3	3.8	100.0
	Total	62674	87.3	100.0	
Missing	0 Did not have a health care visit in the past 12 months	8059	11.2		
	99 Missing	1078	1.5		
	Total	9137	12.7		
Total		71811	100.0		

sensitiv_1617 Doctors showed sensitivity to children's family's values and customs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	48793	67.9	77.9	77.9
	2 Usually	11457	16.0	18.3	96.2
	3 Sometimes or never	2355	3.3	3.8	100.0
	Total	62605	87.2	100.0	
Missing	0 Did not have a health care visit in the past 12 months	8059	11.2		
	99 Missing	1147	1.6		
	Total	9206	12.8		
Total		71811	100.0		

info_1617 Doctors provided information specific to parents' concerns

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	47879	66.7	76.6	76.6
	2 Usually	12444	17.3	19.9	96.5
	3 Sometimes or never	2167	3.0	3.5	100.0
	Total	62490	87.0	100.0	
Missing	0 Did not have a health care visit in the past 12 months	8059	11.2		
	99 Missing	1262	1.8		
	Total	9321	13.0		
Total		71811	100.0		

partner_1617 Doctors helped parents to feel like partners in child's care

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	47814	66.6	76.6	76.6
	2 Usually	11856	16.5	19.0	95.6
	3 Sometimes or never	2744	3.8	4.4	100.0
	Total	62414	86.9	100.0	
Missing	0 Did not have a health care visit in the past 12 months	8059	11.2		
	99 Missing	1338	1.9		
	Total	9397	13.1		
Total		71811	100.0		

NoRefPrb_1617 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	58172	81.0	81.4	81.4
Missing	99 Missing	339	.5		
Total		71811	100.0		

CareCoor_1617 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	31283	43.6	43.9	43.9
Missing	99 Missing to all	518	.7		
Total		71811	100.0		

HelpCoord_1617 Family gets help with coordinating child's health care among those who needed

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5965	8.3	15.2	15.2
	2 No	33254	46.3	84.8	100.0
	Total	39219	54.6	100.0	
Missing	95 Did not see more than one health care provider in past 12 months	31791	44.3		
	99 Missing	801	1.1		
	Total	32592	45.4		
Total		71811	100.0		

ExtraHelp_1617 Family needed extra help to coordinate child's health care

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2918	4.1	7.5	7.5
	2 No	35859	49.9	92.5	100.0
	Total	38777	54.0	100.0	
Missing	95 Did not see more than one health care provider in past 12 months	31791	44.3		
	99 Missing	1243	1.7		
	Total	33034	46.0		
Total		71811	100.0		

AllExtraHelp_1617 Got all needed extra help with care coordination

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Usually got help that was needed	738	1.0	25.5	25.5
	2 Sometimes got help that was needed	1262	1.8	43.7	69.2
	3 Never got help that was needed	890	1.2	30.8	100.0
	Total	2890	4.0	100.0	
Missing	95 Did not see more than one health care provider/did not need extra help	67650	94.2		
	99 Missing	1271	1.8		
	Total	68921	96.0		
Total		71811	100.0		

DrCommR_1617 "Satisfaction with communication among child's doctor and other health care provider"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Very satisfied	29327	40.8	75.4	75.4
	2.00 Somewhat satisfied	8296	11.6	21.3	96.8
	3.00 Somewhat dissatisfied/Very dissatisfied	1251	1.7	3.2	100.0
	Total	38874	54.1	100.0	
Missing	.00 Did not see more than one health care provider	31791	44.3		
	99.00 Missing	1146	1.6		
	Total	32937	45.9		
Total		71811	100.0		

OtherComm_1617 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	6223	8.7	9.9	9.9
	2 Doctors did not communicate with school etc. or No communication needed	56787	79.1	90.1	100.0
	Total	63010	87.7	100.0	
Missing	95 Did not have any health care visit in past 12 months	8059	11.2		
	99 Missing	742	1.0		
	Total	8801	12.3		
Total		71811	100.0		

SatOthComm_1617 Satisfaction with communication of child's doctors with his/her school, etc

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very satisfied	4797	6.7	77.4	77.4
	2 Less than very satisfied	1401	2.0	22.6	100.0
	Total	6198	8.6	100.0	
Missing	95 Did not have any health care visit in past 12 months	8059	11.2		
	96 Doctors did not communicate with child's school, etc or No communication needed	56787	79.1		
	99 Missing	767	1.1		
	Total	65613	91.4		
Total		71811	100.0		

ShareDec_1617 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	55351	77.1	77.9	77.9
	1 Families usually or always feel that they are partners in decision making	13911	19.4	19.6	97.4
	2 Families never/sometimes feel that they are partners in decision making	1824	2.5	2.6	100.0
	Total	71086	99.0	100.0	
Missing	99 Missing	725	1.0		
Total		71811	100.0		

DiscussOpt_1617 Doctors discussed range of health care/treatment options

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	11458	16.0	73.2	73.2
	2 Usually	3008	4.2	19.2	92.4
	3 Never/Sometimes	1192	1.7	7.6	100.0
	Total	15658	21.8	100.0	
Missing	0 No decisions needed	47292	65.9		
	95 Did not have a health care visit	8059	11.2		
	99 Missing	802	1.1		
	Total	56153	78.2		
Total		71811	100.0		

RaiseConc_1617 Doctors made it easy for parents to raise concerns or disagree with recommendations

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	11292	15.7	72.1	72.1
	2 Usually	3108	4.3	19.9	92.0
	3 Never/Sometimes	1254	1.7	8.0	100.0
	Total	15654	21.8	100.0	
Missing	0 No decisions needed	47292	65.9		
	95 Did not have a health care visit	8059	11.2		
	99 Missing	806	1.1		
	Total	56157	78.2		
Total		71811	100.0		

BestChoice_1617 Doctors worked with parents to decide together health care/treatment options

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	11660	16.2	74.3	74.3
	2 Usually	3000	4.2	19.1	93.4
	3 Never/Sometimes	1036	1.4	6.6	100.0
	Total	15696	21.9	100.0	
Missing	0 No decisions needed	47292	65.9		
	95 Did not have a health care visit	8059	11.2		
	99 Missing	764	1.1		
	Total	56115	78.1		
Total		71811	100.0		

Transition_1617 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	5279	7.4	18.0	18.0
	2 Did not receive services necessary for transition to adult health care	24045	33.5	82.0	100.0
	Total	29324	40.8	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	99 Missing to all	293	.4		
	Total	42487	59.2		
Total		71811	100.0		

TimeAlone_1617 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	12775	17.8	44.2	44.2
	2 Did not have time alone with provider/Did not have preventive check-up	16139	22.5	55.8	100.0
	Total	28914	40.3	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	99 Missing	703	1.0		
	Total	42897	59.7		
Total		71811	100.0		

ActiveWork_1617 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	15324	21.3	59.5	59.5
	2 Did not met criteria	10423	14.5	40.5	100.0
	Total	25747	35.9	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	99 Missing/Don't know	3870	5.4		
	Total	46064	64.1		
Total		71811	100.0		

ChngeAge_1617 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	1.00 Yes	7438	10.4	25.7	25.7
	2.00 No	15504	21.6	53.6	79.3
	3.00 Don't Know	5997	8.4	20.7	100.0
	Total	28939	40.3	100.0	
Missing	90.00 Children age 0-11 years	42194	58.8		
	99.00 Missing	678	.9		
	Total	42872	59.7		
Total		71811	100.0		

GainSkill_1617 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	1.00 Yes	14425	20.1	50.1	50.1
	2.00 No	9692	13.5	33.6	83.7
	3.00 Don't know	4687	6.5	16.3	100.0
	Total	28804	40.1	100.0	
Missing	90.00 Children 0-11 years of age	42194	58.8		
	99.00 Missing	813	1.1		
	Total	43007	59.9		
Total		71811	100.0		

TrtAdult_1617 Provider discussed shift to adult health care providers if needed, age 12-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3252	4.5	19.2	19.2
	2 No	13654	19.0	80.8	100.0
	Total	16906	23.5	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	95 Discussion not needed or sees provider who can transition	11816	16.5		
	99 Missing	895	1.2		
	Total	54905	76.5		
Total		71811	100.0		

PlanFuture_1617 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	1.00 Yes	9188	12.8	31.8	31.8
	2.00 No	15130	21.1	52.3	84.1
	3.00 Don't know	4613	6.4	15.9	100.0
	Total	28931	40.3	100.0	
Missing	90.00 Children 0-11 years of age	42194	58.8		
	99.00 Missing	686	1.0		
	Total	42880	59.7		
Total		71811	100.0		

PosChoice_1617 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	1.00 Yes	20978	29.2	72.7	72.7
	2.00 No	5384	7.5	18.6	91.3
	3.00 Don't know	2507	3.5	8.7	100.0
	Total	28869	40.2	100.0	
Missing	90.00 Children 0-11 years of age	42194	58.8		
	99.00 Missing	748	1.0		
	Total	42942	59.8		
Total		71811	100.0		

PlanUptd_1617 Child has an up-to-date written plan to meet her/his specific health care needs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Child has an up-to-date written plan	1809	2.5	6.2	6.2
	2.00 Child does not have up-to-date written plan	27163	37.8	93.8	100.0
	Total	28972	40.3	100.0	
Missing	90.00 Children age 0-11 years	42194	58.8		
	99.00 Missing to any questions	645	.9		
	Total	42839	59.7		
Total		71811	100.0		

InsNeeds_1617 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	1.00 Know how child will be insured or have discussed	18111	25.2	63.0	63.0
	2.00 Do not know and have not discussed	10651	14.8	37.0	100.0
	Total	28762	40.1	100.0	
Missing	90.00 Children 0-11 years of age	42194	58.8		
	99.00 Missing	855	1.2		
	Total	43049	59.9		
Total		71811	100.0		

SystCare2_1617 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	14930	20.8	20.8	20.8
	2 Did not receive care in a well-functioning system	56868	79.2	79.2	100.0
	Total	71798	100.0	100.0	
Missing	99 Missing	13	.0		
Total		71811	100.0		

sys0to11care2_1617 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	12692	17.7	30.1	30.1
	2 Did not receive care in a well-functioning system	29497	41.1	69.9	100.0
	Total	42189	58.8	100.0	
Missing	95 Children age 12-17 years	29617	41.2		
	99 Missing	5	.0		
	Total	29622	41.2		
Total		71811	100.0		

sys12to17care2_1617 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	2238	3.1	7.6	7.6
	2 Did not receive care in a well-functioning system	27371	38.1	92.4	100.0
	Total	29609	41.2	100.0	
Missing	95 Children age 0-11 years	42194	58.8		
	99 Missing	8	.0		
	Total	42202	58.8		
Total		71811	100.0		

ForgoneCare_1617 Indicator 4.18: Children who needed health care but it was not received

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Needed care, but did not receive	1660	2.3	2.3	2.3
	2 Received needed health care (or did not need health care)	69897	97.3	97.7	100.0
	Total	71557	99.6	100.0	
Missing	99 Missing	254	.4		
Total		71811	100.0		

ForgoneMed_1617 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	515	.7	.7	.7
	2 Received needed medical care (or did not need medical care)	71021	98.9	99.3	100.0
	Total	71536	99.6	100.0	
Missing	99 Missing	275	.4		
Total		71811	100.0		

ForgoneDent_1617 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	765	1.1	1.1	1.1
	2 Received needed dental care (or did not need dental care)	68132	94.9	98.9	100.0
	Total	68897	95.9	100.0	
Missing	95 Children age less than 1 year old	2648	3.7		
	99 Missing	266	.4		
	Total	2914	4.1		
Total		71811	100.0		

ForgoneVis_1617 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	290	.4	.4	.4
	2 Received needed vision care (or did not need vision care)	71246	99.2	99.6	100.0
	Total	71536	99.6	100.0	
Missing	99 Missing	275	.4		
Total		71811	100.0		

ForgoneHear_1617 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	101	.1	.1	.1
	2 Received needed hearing care (or did not need hearing care)	71435	99.5	99.9	100.0
	Total	71536	99.6	100.0	
Missing	99 Missing	275	.4		
Total		71811	100.0		

**ForgoneMH_1617 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	515	.7	.8	.8
	2 Received needed mental health care (or did not need mental health care)	61182	85.2	99.2	100.0
	Total	61697	85.9	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	243	.3		
	Total	10114	14.1		
Total		71811	100.0		

ForgoneOther_1617 Did not receive needed other health services during the past 12 months

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Did not receive needed other types of care	222	.3	.3	.3
	2 Received needed other health care (or did not need other health care)	71314	99.3	99.7	100.0
	Total	71536	99.6	100.0	
Missing	99 Missing	275	.4		
Total		71811	100.0		

ineligible_1617 Did not receive needed health care because the child was not eligible

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	479	.7	31.7	31.7
	2 Did not experience this difficulty	1034	1.4	68.3	100.0
	Total	1513	2.1	100.0	
Missing	95 Received needed health care	69897	97.3		
	99 Missing	401	.6		
	Total	70298	97.9		
Total		71811	100.0		

unavailable_1617 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	386	.5	25.9	25.9
	2 Did not experience this difficulty	1102	1.5	74.1	100.0
	Total	1488	2.1	100.0	
Missing	95 Received needed health care	69897	97.3		
	99 Missing	426	.6		
	Total	70323	97.9		
Total		71811	100.0		

appointment_1617 Did not receive needed health care because there were problems getting an appointment

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	626	.9	41.6	41.6
	2 Did not experience this difficulty	878	1.2	58.4	100.0
	Total	1504	2.1	100.0	
Missing	95 Received needed health care	69897	97.3		
	99 Missing	410	.6		
	Total	70307	97.9		
Total		71811	100.0		

transport_1617 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	178	.2	12.1	12.1
	2 Did not experience this difficulty	1297	1.8	87.9	100.0
	Total	1475	2.1	100.0	
Missing	95 Received needed health care	69897	97.3		
	99 Missing	439	.6		
	Total	70336	97.9		
Total		71811	100.0		

NotOpen_1617 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	185	.3	12.6	12.6
	2 Did not experience this difficulty	1284	1.8	87.4	100.0
	Total	1469	2.0	100.0	
Missing	95 Received needed health care	69897	97.3		
	99 Missing	445	.6		
	Total	70342	98.0		
Total		71811	100.0		

CostIssue_1617 Did not receive needed health care due to issues related to cost

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced this difficulty	1036	1.4	65.9	65.9
	2 Did not experience this difficulty	535	.7	34.1	100.0
	Total	1571	2.2	100.0	
Missing	95 Received needed health care	69897	97.3		
	99 Missing	343	.5		
	Total	70240	97.8		
Total		71811	100.0		

MedBills_1617 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	15332	21.4	21.6	21.6
	1 Had problems paying medical bills	7708	10.7	10.9	32.5
	2 Did not have problems paying medical bills	47824	66.6	67.5	100.0
	Total	70864	98.7	100.0	
Missing	99 Missing	947	1.3		
Total		71811	100.0		

frustrated_1617 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	60339	84.0	84.6	84.6
	2 Sometimes frustrated	9567	13.3	13.4	98.0
	3 Usually/always frustrated	1433	2.0	2.0	100.0
	Total	71339	99.3	100.0	
Missing	99 Missing	472	.7		
Total		71811	100.0		

Community and School Activities**SpEducPln_1617 Indicator 5.1: Children who currently receives special education or early intervention services, age 1-17 years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	6283	8.7	9.1	9.1
	2 No	62487	87.0	90.9	100.0
	Total	68770	95.8	100.0	
Missing	95 Children under 1 year old	2648	3.7		
	99 Missing	393	.5		
	Total	3041	4.2		
Total		71811	100.0		

SpEdAge_1617 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	1839	2.6	19.5	19.5
	2 At age 3-5 years old	3318	4.6	35.2	54.8
	3 At age 6-17 years old	4256	5.9	45.2	100.0
	Total	9413	13.1	100.0	
Missing	0 Never received the services	59052	82.2		
	95 Children less than 1 year old	2648	3.7		
	99 Missing	698	1.0		
	Total	62398	86.9		
Total		71811	100.0		

SchlEngage_1617 Indicator 5.2: School engagement - cares about doing well and does homework, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true to both items	33669	46.9	66.7	66.7
	2 Definitely true to at least one item	13975	19.5	27.7	94.4
	3 Not true to any item	2814	3.9	5.6	100.0
	Total	50458	70.3	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	698	1.0		
	Total	21353	29.7		
Total		71811	100.0		

cares_1617 Children who care about doing well in school, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	38924	54.2	77.5	77.5
	2 Somewhat true	9927	13.8	19.8	97.3
	3 Not true	1375	1.9	2.7	100.0
	Total	50226	69.9	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	930	1.3		
	Total	21585	30.1		
Total		71811	100.0		

homework_1617 Children who do all required homework, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely true	36831	51.3	73.4	73.4
	2 Somewhat true	10991	15.3	21.9	95.3
	3 Not true	2364	3.3	4.7	100.0
	Total	50186	69.9	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	970	1.4		
	Total	21625	30.1		
Total		71811	100.0		

ReptGrade_1617 Indicator 5.3: Children repeated any grades since starting kindergarten, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2542	3.5	5.1	5.1
	2 No	47519	66.2	94.9	100.0
	Total	50061	69.7	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1095	1.5		
	Total	21750	30.3		
Total		71811	100.0		

SchlMiss_1617 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	13203	18.4	26.3	26.3
	2 1 - 3 days	24101	33.6	48.1	74.4
	3 4 - 6 days	7771	10.8	15.5	89.9
	4 7 - 10 days	3082	4.3	6.1	96.0
	5 11 or more days	1981	2.8	4.0	100.0
	Total	50138	69.8	100.0	
Missing	6 This child was not enrolled in school	55	.1		
	90 Children age 0-5 years	20655	28.8		
	99 Missing	963	1.3		
	Total	21673	30.2		
Total		71811	100.0		

AftSchAct_1617 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	43080	60.0	85.7	85.7
	2 Do not participate in extracurricular activities	7187	10.0	14.3	100.0
	Total	50267	70.0	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing to all	889	1.2		
	Total	21544	30.0		
Total		71811	100.0		

sports_1617 Participation in sports teams or sports lessons after school or on weekends, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Participated in activity	33060	46.0	66.2	66.2
	2 Did not participate	16892	23.5	33.8	100.0
	Total	49952	69.6	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1204	1.7		
	Total	21859	30.4		
Total		71811	100.0		

clubs_1617 Participation in clubs or organizations after school or on weekends, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Participated in activity	29910	41.7	60.2	60.2
	2 Did not participate	19749	27.5	39.8	100.0
	Total	49659	69.2	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1497	2.1		
	Total	22152	30.8		
Total		71811	100.0		

lessons_1617 Participation in any other organized activities or lessons, such as music, dance, language or other arts, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Participated in activity	25857	36.0	52.3	52.3
	2 Did not participate	23591	32.9	47.7	100.0
	Total	49448	68.9	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1708	2.4		
	Total	22363	31.1		
Total		71811	100.0		

EventPart_1617 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	44138	61.5	61.5	61.5
	2 Sometimes	3351	4.7	4.7	66.1
	3 Rarely or Never	2596	3.6	3.6	69.7
	90 Children age 0-5 years	20655	28.8	28.8	98.5
	99 Missing	1071	1.5	1.5	100.0
	Total	71811	100.0	100.0	

volunteer_1617 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	25431	35.4	51.2	51.2
	2 No	24212	33.7	48.8	100.0
	Total	49643	69.1	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1513	2.1		
	Total	22168	30.9		
Total		71811	100.0		

workpay_1617 Indicator 5.8: Work for pay outside home, 12-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Worked for pay	13759	19.2	47.7	47.7
	2 Did not work for pay	15092	21.0	52.3	100.0
	Total	28851	40.2	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	99 Missing	766	1.1		
	Total	42960	59.8		
Total		71811	100.0		

mentor_1617 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	45789	63.8	93.0	93.0
	2 No	3423	4.8	7.0	100.0
	Total	49212	68.5	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1944	2.7		
	Total	22599	31.5		
Total		71811	100.0		

Family Health and Activities**MothPhyH_1617 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	47856	66.6	73.6	73.6
	2 Good	13897	19.4	21.4	94.9
	3 Fair or poor	3305	4.6	5.1	100.0
	Total	65058	90.6	100.0	
Missing	95 No mother in the household	5099	7.1		
	99 Missing	1654	2.3		
	Total	6753	9.4		
Total		71811	100.0		

FathPhyH_1617 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	42872	59.7	73.7	73.7
	2 Good	12644	17.6	21.7	95.5
	3 Fair or poor	2645	3.7	4.5	100.0
	Total	58161	81.0	100.0	
Missing	95 No father in the household	12040	16.8		
	99 Missing	1610	2.2		
	Total	13650	19.0		
Total		71811	100.0		

MotherMH_1617 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	50541	70.4	77.7	77.7
	2 Good	11442	15.9	17.6	95.3
	3 Fair or poor	3059	4.3	4.7	100.0
	Total	65042	90.6	100.0	
Missing	95 No mother in the household	5099	7.1		
	99 Missing	1670	2.3		
	Total	6769	9.4		
Total		71811	100.0		

FatherMH_1617 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	47554	66.2	81.8	81.8
	2 Good	8585	12.0	14.8	96.6
	3 Fair or poor	1978	2.8	3.4	100.0
	Total	58117	80.9	100.0	
Missing	95 No father in the household	12040	16.8		
	99 Missing	1654	2.3		
	Total	13694	19.1		
Total		71811	100.0		

MotherHSt_1617 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	43373	60.4	66.9	66.9
	2 One or both of physical & mental health are NOT excellent/very good	21420	29.8	33.1	100.0
	Total	64793	90.2	100.0	
Missing	95 No biological, adoptive, step or foster mother in household	5099	7.1		
	99 Missing	1919	2.7		
	Total	7018	9.8		
Total		71811	100.0		

FatherHSt_1617 Indicator 6.3a: 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	40024	55.7	69.1	69.1
	2 One or both of physical & mental health are NOT excellent/very good	17891	24.9	30.9	100.0
	Total	57915	80.6	100.0	
Missing	95 No biological, adoptive, step or foster father in household	12040	16.8		
	99 Missing	1856	2.6		
	Total	13896	19.4		
Total		71811	100.0		

smoking_1617 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	10202	14.2	14.4	14.4
	2 No	60558	84.3	85.6	100.0
	Total	70760	98.5	100.0	
Missing	99 Missing	1051	1.5		
Total		71811	100.0		

SmkInside_1617 Indicator 6.4a: Someone smokes inside the home

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No one smokes in the household	60558	84.3	85.7	85.7
	2 Someone smokes, not inside the house	8766	12.2	12.4	98.1
	3 Someone smokes inside the house	1339	1.9	1.9	100.0
	Total	70663	98.4	100.0	
Missing	99 Missing	1148	1.6		
Total		71811	100.0		

WrkngPoor_1617 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	5079	7.1	7.2	7.2
Missing	99 Missing	1419	2.0		
Total		71811	100.0		

ShareIdeas_1617 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	33880	47.2	67.6	67.6
Missing	90 Children age 0-5 years	20655	28.8		
Total		71811	100.0		

readto_1617 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	941	1.3	4.6	4.6
Missing	90 Children age 6-17 years	51156	71.2		
Total		71811	100.0		

SingStory_1617 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	633	.9	3.1	3.1
	2 1-3 days	4887	6.8	23.9	27.0
	3 4-6 days	4082	5.7	20.0	46.9
	4 Every day	10852	15.1	53.1	100.0
	Total	20454	28.5	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	99 Missing	201	.3		
	Total	51357	71.5		
Total		71811	100.0		

MealTogether_1617 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	2141	3.0	3.0	3.0
	1 1-3 days	17634	24.6	24.9	27.9
	2 4-6 days	24200	33.7	34.2	62.1
	3 Every day	26838	37.4	37.9	100.0
	Total	70813	98.6	100.0	
Missing	99 Missing	998	1.4		
Total		71811	100.0		

TVwatch_1617 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	5541	7.7	7.8	7.8
	1 Watch TV less than 1 hour per day	13799	19.2	19.4	27.2
	2 Watch TV 1 hour per day	19269	26.8	27.1	54.3
	3 Watch TV 2-3 hours per day	27303	38.0	38.4	92.8
	4 Watch TV 4 hours or more per day	5151	7.2	7.2	100.0
	Total	71063	99.0	100.0	
Missing	99 Missing	748	1.0		
Total		71811	100.0		

CompElDev_1617 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

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Do not use electronic devices	10428	14.5	14.7	14.7
	1 Use electronic devices less than 1 hour per day	14311	19.9	20.1	34.8
	2 Use electronic devices 1 hour per day	15374	21.4	21.6	56.4
	3 Use electronic devices 2-3 hours per day	22648	31.5	31.9	88.3
	4 Use electronic devices 4 hours or more per day	8341	11.6	11.7	100.0
	Total	71102	99.0	100.0	
Missing	99 Missing	709	1.0		
Total		71811	100.0		

FamResilience_1617 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	5023	7.0	7.1	7.1
	2 All or most of the time to 2-3 items	8804	12.3	12.4	19.5
	3 All or most of the time to all 4 items	57002	79.4	80.5	100.0
	Total	70829	98.6	100.0	
Missing	99 Missing to all 4 items	982	1.4		
Total		71811	100.0		

TalkAbout_1617 Talk together about what to do when the family faces problems

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	32257	44.9	45.7	45.7
	2 Most of the time	29850	41.6	42.3	88.0
	3 Some/None of the time	8480	11.8	12.0	100.0
	Total	70587	98.3	100.0	
Missing	99 Missing	1224	1.7		
Total		71811	100.0		

WrkToSolve_1617 Work together to solve the problem when your family faces problems

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	31881	44.4	45.3	45.3
	2 Most of the time	30296	42.2	43.0	88.3
	3 Some/None of the time	8225	11.5	11.7	100.0
	Total	70402	98.0	100.0	
Missing	99 Missing	1409	2.0		
Total		71811	100.0		

strengths_1617 Know we have strengths to draw on when the family faces problems

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	36212	50.4	51.5	51.5
	2 Most of the time	27020	37.6	38.4	89.9
	3 Some/None of the time	7102	9.9	10.1	100.0
	Total	70334	97.9	100.0	
Missing	99 Missing	1477	2.1		
Total		71811	100.0		

hopeful_1617 Stay hopeful even in difficult times when the family faces problems

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 All of the time	36270	50.5	51.4	51.4
	2 Most of the time	29794	41.5	42.2	93.6
	3 Some/None of the time	4542	6.3	6.4	100.0
	Total	70606	98.3	100.0	
Missing	99 Missing	1205	1.7		
Total		71811	100.0		

ACE2more_1617 Indicator 6.13: Children experienced two or more adverse childhood experiences

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No adverse childhood experiences	42225	58.8	59.6	59.6
	2 Experienced 1 adverse childhood experience	15618	21.7	22.1	81.7
	3 Experienced 2 or more adverse childhood experiences	12982	18.1	18.3	100.0
	Total	70825	98.6	100.0	
Missing	99 Missing to all 9 items	986	1.4		
Total		71811	100.0		

ACEincome_1617 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	32324	45.0	45.8	45.8
Missing	99 Missing	1303	1.8		
Total		71811	100.0		

ACEdivorce_1617 Adverse childhood experience: parent or guardian divorced or separated

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	15384	21.4	22.0	22.0
Missing	99 Missing	1871	2.6		
Total		69940	97.4	100.0	

ACEdeath_1617 Adverse childhood experience: parent or guardian died

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	2036	2.8	2.9	2.9
Missing	99 Missing	2046	2.8		
Total		69765	97.2	100.0	

ACEjail_1617 Adverse childhood experience: parent or guardian served time in jail

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	4167	5.8	6.0	6.0
	2 Did not experience this adverse childhood experience	65513	91.2	94.0	100.0
	Total	69680	97.0	100.0	
Missing	99 Missing	2131	3.0		
Total		71811	100.0		

ACEdomviol_1617 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	3311	4.6	4.8	4.8
	2 Did not experience this adverse childhood experience	66279	92.3	95.2	100.0
	Total	69590	96.9	100.0	
Missing	99 Missing	2221	3.1		
Total		71811	100.0		

ACEneghviol_1617 Adverse childhood experience: victim/witness of neighborhood violence

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Experienced the adverse childhood experience	2328	3.2	3.3	3.3
	2 Did not experience this adverse childhood experience	67262	93.7	96.7	100.0
	Total	69590	96.9	100.0	
Missing	99 Missing	2221	3.1		
Total		71811	100.0		

ACEmhealth_1617 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	5712	8.0	8.2	8.2
Missing	99 Missing	2302	3.2		
Total		71811	100.0		

ACEdrug_1617 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	6232	8.7	9.0	9.0
Missing	99 Missing	2200	3.1		
Total		71811	100.0		

ACEdiscrim_1617 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	2009	2.8	2.9	2.9
Missing	99 Missing	1998	2.8		
Total		71811	100.0		

ParAggrav_1617 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	3404	4.7	4.8	4.8
Missing	99 Missing to all 3 items	642	.9		
Total		71811	100.0		

DiffCare_1617 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	47603	66.3	67.1	67.1
Missing	99 Missing	838	1.2		
Total		71811	100.0		

bother_1617 Parent felt child does things that bother them during the past month

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never	32704	45.5	46.1	46.1
Missing	99 Missing	899	1.3		
Total		71811	100.0		

angry_1617 Parent felt angry with child during the past month

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never	24313	33.9	34.3	34.3
	2 Rarely	33634	46.8	47.5	81.8
	3 Sometimes	12415	17.3	17.5	99.3
	4 Usually or always	512	.7	.7	100.0
	Total	70874	98.7	100.0	
Missing	99 Missing	937	1.3		
Total		71811	100.0		

EmSupport_1617 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	57861	80.6	81.7	81.7
	2 No	12964	18.1	18.3	100.0
	Total	70825	98.6	100.0	
Missing	99 Missing	986	1.4		
Total		71811	100.0		

EmSSpouse_1617 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	47715	66.4	67.9	67.9
	2 Received emotional support, but not from spouse	9618	13.4	13.7	81.6
	3 Did not receive emotional support in the past 12 months	12964	18.1	18.4	100.0
	Total	70297	97.9	100.0	
Missing	99 Missing	1514	2.1		
Total		71811	100.0		

EmSFamily_1617 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	51175	71.3	72.8	72.8
Missing	99 Missing	1514	2.1		
Total		71811	100.0		

EmSPProvider_1617 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	15639	21.8	22.2	22.2
Missing	99 Missing	1514	2.1		
Total		71811	100.0		

EmSWorship_1617 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	16870	23.5	24.0	24.0
	2 Received emotional support, but not from a place of worship	40463	56.3	57.6	81.6
	3 Did not receive emotional support in the past 12 months	12964	18.1	18.4	100.0
	Total	70297	97.9	100.0	
Missing	99 Missing	1514	2.1		
Total		71811	100.0		

EmSSupGrp_1617 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	1998	2.8	2.8	2.8
	2 Received emotional support, but not from advocacy or support group	55335	77.1	78.7	81.6
	3 Did not receive emotional support in the past 12 months	12964	18.1	18.4	100.0
	Total	70297	97.9	100.0	
Missing	99 Missing	1514	2.1		
Total		71811	100.0		

EmSPeer_1617 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	7036	9.8	10.0	10.0
	2 Received emotional support, but not from a peer group	50297	70.0	71.5	81.6
	3 Did not receive emotional support in the past 12 months	12964	18.1	18.4	100.0
	Total	70297	97.9	100.0	
Missing	99 Missing	1514	2.1		
Total		71811	100.0		

EmSMental_1617 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	5613	7.8	8.0	8.0
	2 Received emotional support, but not from a mental health professional	51720	72.0	73.6	81.6
	3 Did not receive emotional support in the past 12 months	12964	18.1	18.4	100.0
	Total	70297	97.9	100.0	
Missing	99 Missing	1514	2.1		
Total		71811	100.0		

ParCoping_1617 Indicator 6.16: Coping with day-to-day demands of raising children

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very well	47048	65.5	66.1	66.1
	2 Somewhat well	23215	32.3	32.6	98.8
	3 Not very well or Not very well at all	886	1.2	1.2	100.0
	Total	71149	99.1	100.0	
Missing	99 Missing	662	.9		
Total		71811	100.0		

JobChange_1617 Indicator 6.17: Job change because problems with child care, age 0-5 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1545	2.2	7.6	7.6
	2 No	18853	26.3	92.4	100.0
	Total	20398	28.4	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	99 Missing	257	.4		
	Total	51413	71.6		
Total		71811	100.0		

StopCutWork_1617 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	3282	4.6	4.6	4.6
	2 Employment not affected	67780	94.4	95.4	100.0
	Total	71062	99.0	100.0	
Missing	99 Missing to both	749	1.0		
Total		71811	100.0		

AvoidChng_1617 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	4679	6.5	6.6	6.6
	2 No	66047	92.0	93.4	100.0
	Total	70726	98.5	100.0	
Missing	99 Missing	1085	1.5		
Total		71811	100.0		

HomeCare_1617 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	3401	4.7	32.8	32.8
	2 Less than 1 hour per week	3835	5.3	37.0	69.8
	3 1-4 hours per week	1728	2.4	16.7	86.4
	4 5-10 hours per week	538	.7	5.2	91.6
	5 11 or more hours per week	869	1.2	8.4	100.0
	Total	10371	14.4	100.0	
Missing	95 Do not need health care provided on a weekly basis	60346	84.0		
	99 Missing	1094	1.5		
	Total	61440	85.6		
Total		71811	100.0		

TimeCoord_1617 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	2283	3.2	22.9	22.9
	2 Less than 1 hour per week	5708	7.9	57.2	80.1
	3 1-4 hours per week	1609	2.2	16.1	96.3
	4 5-10 hours per week	211	.3	2.1	98.4
	5 11 or more hours per week	163	.2	1.6	100.0
	Total	9974	13.9	100.0	
Missing	95 Do not need health care provided on a weekly basis	60908	84.8		
	99 Missing	929	1.3		
	Total	61837	86.1		
Total		71811	100.0		

Care10hrs_1617 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	12482	17.4	61.3	61.3
	2 No	7892	11.0	38.7	100.0
	Total	20374	28.4	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	99 Missing	281	.4		
	Total	51437	71.6		
Total		71811	100.0		

SleepPos_1617 Indicator 6.22: Sleep position, age less than 12 month

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 On his or her back	1919	2.7	76.4	76.4
	2 On his or her side	312	.4	12.4	88.8
	3 On his or her stomach	282	.4	11.2	100.0
	Total	2513	3.5	100.0	
Missing	90 Children age 1-17 years	69163	96.3		
	99 Missing	135	.2		
	Total	69298	96.5		
Total		71811	100.0		

BedTime_1617 Indicator 6.24: Go to bed at the same time on weeknights

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Always	22582	31.4	31.7	31.7
	2 Usually	41349	57.6	58.1	89.8
	3 Sometimes	5337	7.4	7.5	97.3
	4 Rarely or never	1890	2.6	2.7	100.0
	Total	71158	99.1	100.0	
Missing	99 Missing	653	.9		
Total		71811	100.0		

HrsSleep_1617 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	48822	68.0	69.9	69.9
	2 Child sleeps less than recommended age-appropriate hours	21050	29.3	30.1	100.0
	Total	69872	97.3	100.0	
Missing	95 Children less than 4 months old	790	1.1		
	99 Missing	1149	1.6		
	Total	1939	2.7		
Total		71811	100.0		

FoodSit_1617 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	52202	72.7	74.2	74.2
	2 We could always afford enough to eat but not always the kinds of food we should eat	15161	21.1	21.5	95.7
	3 Sometimes we could not afford enough to eat	2467	3.4	3.5	99.2
	4 Often we could not afford enough to eat	534	.7	.8	100.0
	Total	70364	98.0	100.0	
Missing	99 Missing	1447	2.0		
Total		71811	100.0		

FoodCash_1617 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	53873	75.0	76.2	76.2
	1 Received 1-2 types of assistance	14725	20.5	20.8	97.1
	2 Received 3-4 types of assistance	2083	2.9	2.9	100.0
	Total	70681	98.4	100.0	
Missing	99 Missing	1130	1.6		
Total		71811	100.0		

CashAss_1617 Someone in the family received cash assistance from government during the past 12 months

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1576	2.2	2.2	2.2
	2 No	68540	95.4	97.8	100.0
	Total	70116	97.6	100.0	
Missing	99 Missing	1695	2.4		
Total		71811	100.0		

WIC_1617 Someone in the family received benefits from the WIC Program during the past 12 months

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4310	6.0	6.1	6.1
	2 No	65882	91.7	93.9	100.0
	Total	70192	97.7	100.0	
Missing	99 Missing	1619	2.3		
Total		71811	100.0		

FoodStamp_1617 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	1.00 Yes	7153	10.0	10.2	10.2
	2.00 No	62954	87.7	89.8	100.0
	Total	70107	97.6	100.0	
Missing	99.00 Missing	1704	2.4		
Total		71811	100.0		

LunchFree_1617 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	13401	18.7	19.1	19.1
	2 No	56697	79.0	80.9	100.0
	Total	70098	97.6	100.0	
Missing	99 Missing	1713	2.4		
Total		71811	100.0		

Neighborhood Safety and Support

NbhdSupp_1617 Indicator 7.1: Child live in a supportive neighborhood

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Live in supportive neighborhoods	42433	59.1	60.9	60.9
	2 Do not live in supportive neighborhoods	27213	37.9	39.1	100.0
	Total	69646	97.0	100.0	
Missing	99 Missing to any	2165	3.0		
Total		71811	100.0		

NbhdSafe_1617 Indicator 7.2: Children live in safe neighborhoods

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely agree	49323	68.7	70.2	70.2
	2 Somewhat agree	18662	26.0	26.6	96.7
	3 Somewhat or definitely disagree	2284	3.2	3.3	100.0
	Total	70269	97.9	100.0	
Missing	99 Missing	1542	2.1		
Total		71811	100.0		

SchlSafe_1617 Indicator 7.3: Children who are safe at schools, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely agree	38032	53.0	76.9	76.9
	2 Somewhat agree	10557	14.7	21.4	98.3
	3 Somewhat or definitely disagree	842	1.2	1.7	100.0
	Total	49431	68.8	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1725	2.4		
	Total	22380	31.2		
Total		71811	100.0		

NbhdAmenities_1617 Count of amenities in children's neighborhoods

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Neighborhood does not contain any amenities	7950	11.1	11.5	11.5
	1 Neighborhood contains 1 amenity	7394	10.3	10.7	22.1
	2 Neighborhood contains 2 amenities	11817	16.5	17.1	39.2
	3 Neighborhood contains 3 amenities	15850	22.1	22.9	62.1
	4 Neighborhood contains all 4 amenities	26267	36.6	37.9	100.0
	Total	69278	96.5	100.0	
Missing	99 Missing to any of the questions	2533	3.5		
Total		71811	100.0		

SchlSafe_1617 Indicator 7.3: Children who are safe at schools, age 6-17 years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely agree	38032	53.0	76.9	76.9
	2 Somewhat agree	10557	14.7	21.4	98.3
	3 Somewhat or definitely disagree	842	1.2	1.7	100.0
	Total	49431	68.8	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	99 Missing	1725	2.4		
	Total	22380	31.2		
Total		71811	100.0		

NbhdAmenities_1617 Count of amenities in children's neighborhoods

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Neighborhood does not contain any amenities	7950	11.1	11.5	11.5
	1 Neighborhood contains 1 amenity	7394	10.3	10.7	22.1
	2 Neighborhood contains 2 amenities	11817	16.5	17.1	39.2
	3 Neighborhood contains 3 amenities	15850	22.1	22.9	62.1
	4 Neighborhood contains all 4 amenities	26267	36.6	37.9	100.0
	Total	69278	96.5	100.0	
Missing	99 Missing to any of the questions	2533	3.5		
Total		71811	100.0		

SideWlks_1617 Children who live in neighborhoods with sidewalks or walking paths

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Neighborhood contains sidewalks or walking paths	51132	71.2	72.5	72.5
	2.00 Neighborhood does not contain sidewalks or walking paths	19384	27.0	27.5	100.0
	Total	70516	98.2	100.0	
Missing	99.00 Missing	1295	1.8		
Total		71811	100.0		

park_1617 Children who live in neighborhoods with a park or playground area

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Neighborhood contains a park or playground area	53076	73.9	75.5	75.5
	2.00 Neighborhood does not contain a park or playground area	17227	24.0	24.5	100.0
	Total	70303	97.9	100.0	
Missing	99.00 Missing	1508	2.1		
Total		71811	100.0		

RecCentr_1617 Children who live in neighborhoods with recreation center, community center or Boys'/Girls' Club

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Neighborhood contains a recreation center, community center or Boys'/Girls' Club	34241	47.7	48.8	48.8
	2.00 Neighborhood does not contain a recreation center, community center or Boys'/Girls' Club	35980	50.1	51.2	100.0
	Total	70221	97.8	100.0	
Missing	99.00 Missing	1590	2.2		
Total		71811	100.0		

library_1617 Children who live in neighborhoods with a library or bookmobile

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Neighborhood contains a library or bookmobile	48170	67.1	68.6	68.6
	2.00 Neighborhood does not contain a library or bookmobile	22026	30.7	31.4	100.0
	Total	70196	97.8	100.0	
Missing	99.00 Missing	1615	2.2		
Total		71811	100.0		

NbhdDetract_1617 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	55523	77.3	79.4	79.4
	1 Neighborhood has 1 detracting element	9353	13.0	13.4	92.8
	2 Neighborhood has 2 detracting elements	3043	4.2	4.4	97.1
	3 Neighborhood has 3 detracting elements	1999	2.8	2.9	100.0
	Total	69918	97.4	100.0	
Missing	99 Missing to any of the questions	1893	2.6		
Total		71811	100.0		

litter_1617 Children who live in neighborhoods with litter or garbage on the street or sidewalk

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Neighborhood has litter or garbage on sidewalks and streets	10177	14.2	14.5	14.5
	2.00 Neighborhood does not have litter or garbage on sidewalks and streets	60146	83.8	85.5	100.0
	Total	70323	97.9	100.0	
Missing	99.00 Missing	1488	2.1		
Total		71811	100.0		

housing_1617 Children who live in neighborhoods with poorly kept or rundown housing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Neighborhood has poorly kept or rundown housing	7688	10.7	10.9	10.9
	2.00 Neighborhood does not have poorly kept or dilapidated rundown housing	62648	87.2	89.1	100.0
	Total	70336	97.9	100.0	
Missing	99.00 Missing	1475	2.1		
Total		71811	100.0		

vandal_1617 Children who live in neighborhoods with vandalism such as broken windows or graffiti

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Neighborhood has broken windows or graffiti	3754	5.2	5.3	5.3
	2.00 Neighborhood does not have broken windows or graffiti	66704	92.9	94.7	100.0
	Total	70458	98.1	100.0	
Missing	99.00 Missing	1353	1.9		
Total		71811	100.0		

Child and Family Demographics and Subgroups

age3_1617 Children's age in 3 categories

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-5 years old	20655	28.8	28.8	28.8
	2 6-11 years old	21539	30.0	30.0	58.8
	3 12-17 years old	29617	41.2	41.2	100.0
	Total	71811	100.0	100.0	

age5_1617 Children's age in 5 categories

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-3 years old	13475	18.8	18.8	18.8
	2 4-7 years old	13716	19.1	19.1	37.9
	3 8-11 years old	15003	20.9	20.9	58.8
	4 12-14 years old	13182	18.4	18.4	77.1
	5 15-17 years old	16435	22.9	22.9	100.0
	Total	71811	100.0	100.0	

sex_1617 Sex of the child

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Male	36800	51.2	51.2	51.2
	2 Female	35011	48.8	48.8	100.0
	Total	71811	100.0	100.0	

race4_1617 Race/ethnicity categories

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic	7993	11.1	11.1	11.1
	2 White, non-Hispanic	50219	69.9	69.9	81.1
	3 Black, non-Hispanic	4236	5.9	5.9	87.0
	4 Other/Multi-racial, non-Hispanic	9363	13.0	13.0	100.0
	Total	71811	100.0	100.0	

PrnNativity_1617 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)	55263	77.0	77.8	77.8
	2 Any parent born outside of the US (1st and 2nd generation HH)	12114	16.9	17.1	94.9
	3 Other (child born in United States, parents are not listed)	3627	5.1	5.1	100.0
	Total	71004	98.9	100.0	
Missing	99 Missing	807	1.1		
Total		71811	100.0		

HHLanguage_1617 Primary household language spoken in the household

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 English	66763	93.0	93.6	93.6
	2 Other than English	4530	6.3	6.4	100.0
	Total	71293	99.3	100.0	
Missing	99 Missing	518	.7		
Total		71811	100.0		

hisplang_1617 Primary household language parsed to Hispanic and non-Hispanic

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Hispanic children, non-English PHH language	2166	3.0	3.0	3.0
	2 Hispanic children, English PHH language	5633	7.8	7.9	10.9
	3 Non-Hispanic child	63494	88.4	89.1	100.0
	Total	71293	99.3	100.0	
Missing	99 Missing to any	518	.7		
Total		71811	100.0		

famstruct_1617 Family structure

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Two parents, currently married	52428	73.0	74.3	74.3
	2 Two parents, not currently married	4637	6.5	6.6	80.8
	3 Single mother	8566	11.9	12.1	93.0
	4 Other family type, no parent reported	4956	6.9	7.0	100.0
	Total	70587	98.3	100.0	
Missing	99 Missing	1224	1.7		
Total		71811	100.0		

povlev4_1617 Poverty level of this household based on DHHS guidelines - Imputed

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0-99% FPL	7651	10.7	10.7	10.7
	2 100-199% FPL	11253	15.7	15.7	26.3
	3 200-399% FPL	22073	30.7	30.7	57.1
	4 400% FPL or greater	30834	42.9	42.9	100.0
	Total	71811	100.0	100.0	

**povSCHIP_1617 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	18904	26.3	26.3	26.3
	2 200-299% FPL	11332	15.8	15.8	42.1
	3 300-399% FPL	10741	15.0	15.0	57.1
	4 400% FPL or greater	30834	42.9	42.9	100.0
	Total	71811	100.0	100.0	

AdultEduc_1617 Highest level of education among reported adults

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than high school	1543	2.1	2.2	2.2
	2 High school or GED	8690	12.1	12.3	14.5
	3 Some college or technical school	16049	22.3	22.7	37.2
	4 College degree or higher	44332	61.7	62.8	100.0
	Total	70614	98.3	100.0	
Missing	99 Missing	1197	1.7		
Total		71811	100.0		

BornUSA_1617 Children who were born in US

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Children were born in US	69102	96.2	96.8	96.8
	2.00 Children were born outside of US	2308	3.2	3.2	100.0
	Total	71410	99.4	100.0	
Missing	99.00 Missing	401	.6		
Total		71811	100.0		

FamCount_1617 Number of family members in the household

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 1 or 2 people	4014	5.6	5.8	5.8
	2.00 3 people	22345	31.1	32.3	38.1
	3.00 4 people	26407	36.8	38.1	76.2
	4.00 5 people	11225	15.6	16.2	92.4
	5.00 6 or more people	5247	7.3	7.6	100.0
	Total	69238	96.4	100.0	
Missing	99.00	2573	3.6		
Total		71811	100.0		

Appendix B: Unweighted Frequency Tables

Title V Services Block Grant Measures



TITLE V SERVICES BLOCK GRANT MEASURES**National Performance Measures**

npm6DSc_1617 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	2811	3.9	36.2	36.2
	2 Parent did not complete developmental screening	4962	6.9	63.8	100.0
	Total	7773	10.8	100.0	
Missing	90 Children age 6-17 years	51156	71.2		
	95 Children age 0-8 months or 3-5 years	12626	17.6		
	99 Missing	256	.4		
	Total	64038	89.2		
Total		71811	100.0		

npm8PhAc6to11_1617 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	804	1.1	3.8	3.8
	2 1-3 days	7496	10.4	35.4	39.2
	3 4-6 days	6998	9.7	33.1	72.3
	4 Everyday	5856	8.2	27.7	100.0
	Total	21154	29.5	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	95 Children age 12-17 years	29617	41.2		
	99 Missing	385	.5		
	Total	50657	70.5		
Total		71811	100.0		

npm8PhAc12to17_1617 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	3382	4.7	11.6	11.6
	2 1-3 days	11590	16.1	39.9	51.6
	3 4-6 days	9320	13.0	32.1	83.7
	4 Everyday	4745	6.6	16.3	100.0
	Total	29037	40.4	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	95 Children age 6-11 years	21539	30.0		
	99 Missing	580	.8		
	Total	42774	59.6		
Total		71811	100.0		

npm9bullied_1617 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	6396	8.9	22.0	22.0
	2 Not true	22615	31.5	78.0	100.0
	Total	29011	40.4	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	95 Children age 6-11 years	21539	30.0		
	99 Missing	606	.8		
	Total	42800	59.6		
Total		71811	100.0		

npm9bully_1617 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	1422	2.0	4.9	4.9
	2 Not true	27653	38.5	95.1	100.0
	Total	29075	40.5	100.0	
Missing	90 Children age 0-5 years	20655	28.8		
	95 Children age 6-11 years	21539	30.0		
	99 Missing	542	.8		
	Total	42736	59.5		
Total		71811	100.0		

npm10PrVi_1617 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	24085	33.5	82.0	82.0
	2 No preventive care visits	5270	7.3	18.0	100.0
	Total	29355	40.9	100.0	
Missing	95 Children age 0-11 years	42194	58.8		
	99 Missing	262	.4		
	Total	42456	59.1		
Total		71811	100.0		

npm11MHCSHCN_1617 National Performance Measure 11: Percent of children with special health care needs, ages 0 through 17, who have a medical homee

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Care MEETS medical home criteria	8069	11.2	49.5	49.5
	2 Care DOES NOT meet medical home criteria	8229	11.5	50.5	100.0
	Total	16298	22.7	100.0	
Missing	95 Non-CSHCN	55507	77.3		
	99 Missing to any	6	.0		
	Total	55513	77.3		
Total		71811	100.0		

npm11MHnonCSHCN_1617 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	31608	44.0	57.0	57.0
	2 Care DOES NOT meet medical home criteria	23854	33.2	43.0	100.0
	Total	55462	77.2	100.0	
Missing	95 CSHCN	16304	22.7		
	99 Missing to any	45	.1		
	Total	16349	22.8		
Total		71811	100.0		

npm12TransCSHCN_1617 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	1644	2.3	19.8	19.8
	2 Did not receive services necessary for transition to adult health care	6669	9.3	80.2	100.0
	Total	8313	11.6	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	95 Non-CSHCN age 12-17 years	21217	29.5		
	99 Missing to any	87	.1		
Total		63498	88.4		
Total		71811	100.0		

npm12TransNonCSHCN_1617 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	3635	5.1	17.3	17.3
	2 Did not receive services necessary for transition to adult health care	17376	24.2	82.7	100.0
	Total	21011	29.3	100.0	
Missing	90 Children age 0-11 years	42194	58.8		
	95 CSHCN age 12-17 years	8400	11.7		
	99 Missing to any	206	.3		
	Total	50800	70.7		
Total		71811	100.0		

npm13_2DePrev_1617 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	56966	79.3	83.2	83.2
	2 No preventive dental visits	11507	16.0	16.8	100.0
	Total	68473	95.4	100.0	
Missing	95 Children less than 1 year old	2648	3.7		
	99 Missing	690	1.0		
	Total	3338	4.6		
	Total	71811	100.0		

npm14_2Smoke_1617 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	10202	14.2	14.4	14.4
	2 No	60558	84.3	85.6	100.0
	Total	70760	98.5	100.0	
Missing	99 Missing	1051	1.5		
Total		71811	100.0		

npm15AdIns_1617 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 Have adequate insurance covered entire year	48828	68.0	68.2	68.2
	2 Do not have adequate insurance	22741	31.7	31.8	100.0
	Total	71569	99.7	100.0	
Missing	99 Missing to both questions	242	.3		
Total		71811	100.0		

National Outcome Measures**nom14TthDec_1617 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	6315	8.8	9.3	9.3
	2 No tooth decay or cavities	61920	86.2	90.7	100.0
	Total	68235	95.0	100.0	
Missing	95 Children age <1 year	2648	3.7		
	99 Missing	928	1.3		
	Total	3576	5.0		
Total		71811	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	16304	22.7	22.7	22.7
	2 Non-CSHCN	55507	77.3	77.3	100.0
	Total	71811	100.0	100.0	

nom17_2sysCSHCN_1617 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	2733	3.8	16.8	16.8
	2 Do not receive care in a well-functioning system	13568	18.9	83.2	100.0
	Total	16301	22.7	100.0	
Missing	95 Non-CSHCN	55507	77.3		
	99 Missing	3	.0		
	Total	55510	77.3		
Total		71811	100.0		

nom17_3ASD_1617 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	59791	83.3	97.1	97.1
	2 Ever told, but do not currently have condition	129	.2	.2	97.3
	3 Currently have condition	1679	2.3	2.7	100.0
	Total	61599	85.8	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	341	.5		
	Total	10212	14.2		
Total		71811	100.0		

nom17_4ADHD_1617 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	54687	76.2	89.2	89.2
	2 Ever told, but do not currently have condition	537	.7	.9	90.0
	3 Currently have condition	6115	8.5	10.0	100.0
	Total	61339	85.4	100.0	
Missing	95 Children age 0-2 years	9871	13.7		
	99 Missing	601	.8		
	Total	10472	14.6		
Total		71811	100.0		

nom18MHlth_1617 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	4868	6.8	56.7	56.7
	2 Needed treatment, did not receive it	3713	5.2	43.3	100.0
	Total	8581	11.9	100.0	
Missing	95 Children age 0-2 years/Do not have any of 3 conditions	62893	87.6		
	99 Missing	337	.5		
	Total	63230	88.1		
Total		71811	100.0		

nom19ChHSt_1617 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	65917	91.8	92.1	92.1
	2 Good	4855	6.8	6.8	98.8
	3 Fair or poor	837	1.2	1.2	100.0
	Total	71609	99.7	100.0	
Missing	99 Missing	202	.3		
Total		71811	100.0		

nom20obese_1617 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)	2188	3.0	6.2	6.2
	2 Normal weight (5th to 84th percentile)	23513	32.7	66.7	72.9
	3 Overweight (85th to 94th percentile)	5007	7.0	14.2	87.1
	4 Obese (95th percentile or above)	4536	6.3	12.9	100.0
	Total	35244	49.1	100.0	
Missing	90 Children age 0-9 years	34402	47.9		
	99 Missing	2165	3.0		
	Total	36567	50.9		
Total		71811	100.0		

nom25ForgoneHC_1617 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	1660	2.3	2.3	2.3
	2 Received needed health care (or did not need health care)	69897	97.3	97.7	100.0
	Total	71557	99.6	100.0	
Missing	99 Missing	254	.4		
	Total	71811	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 survey 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 2016-2017 NSCH, income, household count, and respondent education variables were multiply imputed and the first implicates of these variables along with the single imputed variables for child's sex, race and Hispanic origin are included in the public use file.

Missing or Invalid Responses to Income Questions

The 2016-2017 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 2016, 18.6% of completed topical questionnaires had missing values for FPL; in 2017, this was 16.03%

Adjusting for Item Non-response

Imputation is one commonly used method for handling non-response data in a survey, and is typically used when missing or invalid responses exceed five percent of the total sample. In simplified terms, imputation of missing data is achieved by comparing characteristics of respondents who provided a valid response to a specified item with characteristics of the respondents who did not provide a valid response, as a basis for selection of a probable response value for each of the specified item non-respondents. The Census Bureau used hot-deck imputation for race, ethnicity and sex variables. Total family income, household count, and Adult 1 education were imputed using regression imputation methods.

The Census Bureau released a separate data file with six imputations for the 2016 NSCH poverty level variable, and it requires merging the impute file into the topical data file. The 2017 NSCH topical public use file contains all six imputed FPL (FPL_I1-FPL_I6) variables.

The income (federal poverty level) variables ("povlev4_1617" and "povSCHIP_1617") in the DRC 2016-2017 two years combined NSCH Data set were generated using a single imputation value from the 2016 and 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. If desired, the variable "FPL_IF" may be used to identify records containing imputed FPL values.

Additional information about imputation for the NSCH may be found at:

<https://www.census.gov/programs-surveys/nsch/technical-documentation/methodology.html> and
<https://www.census.gov/content/dam/Census/programs-surveys/nsch/tech-documentation/methodology/NSCH-Guide-to-Analysis-with-Multiply-Imputed-Data.pdf>

Appendix C: Notes on the redesign of the NSCH

SPSS and Stata data files with imputed FPL estimates can be downloaded from the Census Bureau's website: <https://www.census.gov/programs-surveys/nsch/data/nsch2016.html>