

2011-2012 National Survey of Children's Health

SAS CODE FOR DATA USERS:

CHILD HEALTH INDICATORS AND SUBGROUPS
Version 1.0: May 2013



Recommended Citation

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

2011/12 National Survey of Children's Health. Child and Adolescent Health Measurement Initiative (CAHMI), "2011-2012 NSCH: Child Health Indicator and Subgroups SAS Codebook, Version 1.0" 2013, Data Resource Center for Child and Adolescent Health, sponsored by the Maternal and Child Health Bureau. www.childhealthdata.org.



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Acknowledgements

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

The CAHMI team extends heartfelt thanks to the Federal Maternal and Child Health Bureau (MCHB) for assuring the availability of high-quality national and state-level survey data on children's health. This data is what makes it possible to create the measures included in this document. We also wish to thank MCHB for their continued support of the Data Resource Center for Children and Adolescent Health (DRC).

We further recognize the National Center for Health Statistics (NCHS) SLAITS team who led the data collection and development of the initial code for many DRC indicators. The indicators outlined here represent the intellectual leadership of many DRC advisors and experts nationally and in states.

We also thank the many researchers who sought CAHMI assistance in replicating DRC indicators for their own analyses. Their experiences and observations have been very helpful to us in formulating indicator development methods and supplemental content of this codebook.



INTRODUCTION

Purpose of the 2011-2012 NSCH SAS Codebook

This codebook contains documentation and SAS program statements used in development of variables for the Child Health Indicators and subgroup variables featured in the National Data Resource Center for Child and Adolescent Health (DRC) data query for the 2011-2012 National Survey of Children's Health (NSCH) located online at www.childhealthdata.org. Its purpose 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 2011-2012 NSCH Indicator Data Set, which includes all of the indicator measures and subgroup variables listed herein. The dataset is available free of charge, using the "Request a Dataset" feature on the DRC website, www.childhealthdata.org.

The CAHMI Data Resource Center for Child and Adolescent Health

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

The main feature of the DRC is an interactive data search tool that includes over 100 standardized indicators from the six extensive national- and state-based surveys on the health and health care of children, youth and families: the National Survey of Children with Special Health Care Needs (NS-CSHCN), conducted in 2001, 2005-2006 and in 2009-2010, and the National Survey of Children's Health (NSCH), conducted in 2003, 2007 and in 2011-2012. Survey results can be stratified by the age, race/ethnicity, income and other pertinent characteristics of children and youth nationwide or for any state. The survey questionnaires, sampling diagrams, methods reports, articles and presentations based on the surveys, and other resources may also be accessed on the DRC web site.

Overview of the 2011-2012 NSCH

The 2011-2012 National Survey of Children's Health is a national telephone interview conducted from February 2011 through June 2012 by the Centers for Disease Control and Prevention (CDC), National Center for Health Statistics. It is sponsored by the U.S. Department of Health and Human Services, Health Resources and Services Administration, Maternal and Child Health Bureau. The survey is designed to:

- (1) estimate national and state-level prevalence for a variety of child health indicators,
- (2) generate information about children, families, and neighborhoods to help guide policymakers, advocates, and researchers,
- (3) provide baseline estimates for federal and state performance measures, Healthy People 2020 objectives and state-level needs assessments, and
- (4) complement the National Survey of Children with Special Health Care Needs (NS-CSHCN).

The NSCH provides a broad range of information about children's health and well-being collected in a manner that allows comparisons among states as well as nationally. For the 2011-2012 survey, a total of 95,677 NSCH interviews were completed nationally by parents/caregivers of children and youth—approximately 1,876 in each state and the District of Columbia, ranging from 1,811 in South Dakota to 2,200 in Texas. Survey results are adjusted and weighted to reflect the demographic composition of non-institutionalized children and youth age 0–17 in each state. Questionnaire topics include demographics, health and functional status, health insurance coverage, health care access and utilization, medical home, early childhood (0–5 years) issues, issues specific to middle childhood and adolescence (6–17 years), family functioning, parental health status and neighborhood and community characteristics.

For the 2011-2012 National Survey of Children's Health, the sample of landline telephone numbers was supplemented with an independent random-digit-dial sample of cell phone numbers. Households contacted by cell phone were eligible if the respondent indicated that they did not have a landline or they were unlikely to be reached through their landline. The cell phone sample was new for this administration of the survey. The variable SAMPLE contains information on whether a survey respondent was interviewed via a cell phone or a landline. Cell phone and landline cases together make up the complete sample for the 2011-2012 NSCH; stratification by the SAMPLE variable is not recommended as the variable SAMPLE does NOT imply that a cell phone sample respondent does not have a landline. The SAMPLE variable is an important component of the survey design and must be used in statistical software packages to account for the complex design of the survey.

The public use data file for the 2011-2012 NSCH, along with relevant background information and documentation is located on the SLAITS NSCH web page, <http://www.cdc.gov/nchs/slaits/nsch.htm>. Additional information and results from the NSCH are available in the DRC at www.childhealthdata.org.

Important Information Regarding the 2011-2012 NSCH Data

Weighting

Each record in the 2011-2012 NSCH public release dataset is assigned a single sampling weight (NSCHWT). Case weighting begins with a base weight which accounts for the probability of selection of each telephone number from among others in its bank of numbers. The base weights are then adjusted for non-resolution of telephone lines, non-residential lines, non-response, sub-sampling by age-eligibility, multiple telephone lines, and non-coverage of children in households with no land line. Finally, a raking adjustment is used to match each state's weighted survey responses to selected demographic characteristics of the state's population of non-institutionalized children age 17 and younger. State population counts were obtained from the 2011 American Community Survey (ACS). Counts of children by Metropolitan Statistical Area or non-MSA, age, gender, race, and ethnicity were used in the raking adjustment. Additional information can be found in an FAQ document released by the National Center for Health Statistics

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slait/nsch_2011_2012/01_Frequently_asked_questions/NSCH_2011_2012_FAQs.pdf

Variance Estimation

Use of statistical software with the capacity to take into account the complex sampling design of the survey is necessary to appropriately calculate the variances and associated standard errors and confidence intervals required for accurate statistical hypothesis testing. Computer programs capable of variance estimation for complex sample designs include SUDAAN, SAS V 9.0+, STATA, WesVar, and SAS Complex Samples. **A 1-stage sampling plan should be set up using STATE and SAMPLE variables as strata, IDNUMR as the cluster and NSCHWT as the weight.**

The NSCH is designed to provide independent data results for each of the 50 states and the District of Columbia. Subsetting the survey data to a particular state does not compromise the design structure of the survey. However, 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 for the targeting of specific subpopulations for analysis while retaining the full sample design information, such as SUDAAN's SUBPOPN option.

The only substate geographic information included in the NSCH public use data set is a variable for Metropolitan Statistical Area (MSA) status. The MSA status information is available for the 35 states in which the population is at least 500,000 in both categories (MSA and non-MSA). Zip code data is collected with the NSCH; however, this information is not released in the public use data set due to confidentiality restrictions. Confidential data from the survey are managed by the Research Data Center of the NSCH; information on how to access these data may be found on the RDC web page, <http://www.cdc.gov/rdc/>.

Interpretation of Results

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

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.

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, two sections of the survey targeted specific age groups: early childhood (ages 0–5) and middle childhood and adolescence (ages 6–17). In several parts of the survey, follow-up questions are asked only if parents gave a specific response to an earlier question.

Treatment of unknown/missing values

Responses of "Don't know" or "Refused" and those with no response value are not included in the denominators used in the construction of the variables in this codebook. In nearly all cases, the unknown values make up less than one percent of the responses to any single question. However, a few questions have higher proportions of unknown values, most notably household income (9.7% nationwide), BMI-for-age (4.8% of children age 10-17, nationwide), and race/ethnicity (2.7% nationwide).

Imputation of missing values for household income level

The 2011-2012 NSCH public data file provided by the National Center for Health Statistics includes the household income variable POVERTY_LEVELR, which is missing values for 8,856 cases. The NCHS also offers imputed income data files which can be used to estimate household income for children with missing values. Results tables available in the online Data Resource Center use income values obtained by single imputation from one of these NCHS datasets. Appendix C describes how single imputation of missing values in the DRC Indicator Dataset for the 2011-2012 NSCH.

Additional information about income imputation will be available in a forthcoming 2011-2012 NSCH Methodology Report on the SLAITS web page for the National Survey of Children's Health. In the meantime, the procedures used were similar to those employed in the 2007 NSCH <http://www.cdc.gov/nchs/slaits/nsch.htm>. Additional information is also included in the FAQs on the NCHS web site ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slaits/nsch_2011_2012/01_Frequently_asked_questions/NSCH_2011_2012_FAQs.pdf

Verification of variables constructed using Codebook syntax

Unweighted frequency distributions for all of the variables in this codebook are located in Appendix A as a resource for cross checking results.

Note for SAS users – Codes for missing values in public use data files

The 2007 NSCH public use data file provided by the National Center for Health Statistics includes special codes to differentiate several types of missing values. Since these values are referred to in code for some of the indicator variables, their definitions are shown in the accompanying table.

Code	Category	Description
.N	Not in universe	Variable is missing because the child was not eligible for these questions (for example, children ages 0 - 5 were not eligible for section 7 and children ages 6 - 17 were not eligible for section 6).
.L	Legitimate skip	Variable is missing due to valid questionnaire paths based on a previous answer to a root question.
.P	Partially completed interview	Variable is missing because the respondent ended the interview after completing Sections 6 or 7 (depending on the age of the child) but before completing the full interview.
.M	Missing in error	May indicate that the variable is missing due to interviewer or system errors. In addition, all missing values for derived variables (i.e., variables whose response was not directly provided by the respondent) receive a “.M” code regardless of the reason for the missing data.
.A	Added question	Variable is missing because this question was added after the start of data collection and the interview was conducted before the variable was added.

Source: Frequently Asked Questions, 2011-2012 National Survey of Children’s Health, National Center for Health Statistics, 2013. Available at:
ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slait/nsch_2011_2012/01_Frequently_asked_questions/NSCH_2011_2012_FAQs.pdf

Additional information on survey design and methodology

The NCHS is currently developing a final *Design and Operation of the National Survey of Children’s Health, 2011/12*. In the meantime, they have produced a Frequently Asked Questions guide to provide practical assistance with understanding how the NS-CSHCN was conducted. View or download these frequently asked questions from the NCHS Web site at:

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slait/nsch_2011_2012/01_Frequently_asked_questions/NSCH_2011_2012_FAQs.pdf

2011-2012 National Survey of Children's Health
Child Health Indicators and Subgroup Variables



Indicator 1.1	Children’s overall health status
Description	In general, how would you describe [child name]'s health?
Survey Items Used	K2Q01
Denominator	Children age 0-17 years
Numerator	Children's current overall health status is: excellent or very good; good; fair or poor
Notes for Data-Users	
Combines five response categories (excellent, very good, good, fair, poor) into three.	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind1_1_11 = K2Q01; if K2Q01 in (1,2) then ind1_1_11 = 1; if K2Q01 in (3) then ind1_1_11 = 2; if K2Q01 in (4,5) then ind1_1_11 = 3; if K2Q01 in (6,7,.M) then ind1_1_11 = .M; label ind1_1_11 = "Indicator 1.1: In general, how would you describe [child name]'s health? Would you say [his/her] health is excellent, very good, good, fair, or poor?"; value ch_hlth /*ind1_1_11*/ 1 = "Excellent/very good" 2 = "Good" 3 = "Fair/poor" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 1.2	Condition of children's teeth, age 1-17 years
Description	How would you describe the condition of [child name]'s teeth?
Survey Items Used	K2Q01_D; AGEYR_CHILD
Denominator	Children age 1-17 years who have natural teeth
Numerator	Condition of children's teeth: excellent or very good; good; fair or poor
Notes for Data-Users	
<p>Combines five response categories (excellent, very good, good, fair, poor) into three. Children who have no natural teeth (0.01% nationwide) or who are less than one year old (5.6%) are not included in this indicator.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.</p>	
SAS Syntax and Annotation	
<pre>ind1_2_11 = K2Q01_D; if K2Q01_D in (1,2) then ind1_2_11 = 1; if K2Q01_D in (3) then ind1_2_11 = 2; if K2Q01_D in (4,5) then ind1_2_11 = 3; if K2Q01_D in (6) then ind1_2_11 = .M; if K2Q01_D in (96,97,.M) then ind1_2_11 = .M; if K2Q01_D = .L then ind1_2_11 = .L; */ label ind1_2_11 = "Indicator 1.2: How would you describe the condition of [child name]'s teeth: excellent, very good, good, fair, or poor?"; value or_hlth /*ind1_2_11*/ 1 = "Excellent/very good" 2 = "Good" 3 = "Fair/poor" .M = "DK/Ref/Missing in error/No natural teeth" .L = "Child less than 1 year of age";</pre>	

Indicator 1.2a	Oral health problems, age 1-17
Description	How many children had oral health problems in the past 12 months?
Survey Items Used	K4Q39
Denominator	Children ages 1-17 who have natural teeth
Numerator	Children who have had a toothache, decayed teeth, or unfilled cavities in past 12 months; Children who have not had a toothache, decayed teeth, or unfilled cavities in past 12 months
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
<p>In 2007, four oral health problems were asked about separately (broken teeth, bleeding gums, toothache, and decayed teeth or cavities). In 2011/12, broken teeth and bleeding gums were deleted; toothache and decayed teeth or cavities are asked as one question as "unfilled" cavities. Additionally, time frame is change from past 6 months to past 12 months.</p> <p>These changes make comparison with 2007 NSCH data difficult.</p>	
SAS Syntax and Annotation	
<pre>ind1_2a_11 = K4Q39; if K4Q39 in (.M,6,7) then ind1_2a_11 = .M; if K4Q39 = .L then ind1_2a_11 = .L; label ind1_2a_11 = "Indicator 1.2a: Child had toothache, decayed teeth, and/or unfilled cavities"; value ohealth /*ind1_2a_11*/ 0 = "No oral health problems" 1 = "One oral health problem" .M = "DK/Ref/Missing in error" .L = "Child less than 1 year of age";</pre>	

Indicator 1.3	Breastfed ever, age 0-5 years
Description	How many children age 0-5 years were ever breastfed or fed breast milk?
Survey Items Used	K6Q40; AGEYR_CHILD
Denominator	Children age 0-5 years
Numerator	Children less than 6 years old who were: never breastfed or fed breast milk; breastfed or fed breast milk during infancy
Notes for Data-Users	
Section 6 questions were asked only for children less than 6 years old.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind1_3_11 = K6Q40; if K6Q40 in (6,7,.M) then ind1_3_11 = .M; if K6Q40 = .N then ind1_3_11 = .N; label ind1_3_11 = "Indicator 1.3: Was (child's name) ever breastfed or fed breast milk? (ages 0-5 yrs only)"; value brstfd_yn /*ind1_3_11*/ 0 = "No" 1 = "Yes" .M = "DK/Ref/Missing in error" .N = "Age 6-17 yrs"; </pre>	

Indicator 1.3a	Exclusive breastfeeding, age 6 months-5 years
Description	How many children age 6 months to 5 years were exclusively breastfed or given breast milk for their first six months?
Survey Items Used	K6Q40; K6Q41R; K6Q42R; K6Q43R
Denominator	Children age 6 months-5 years
Numerator	Never breastfed; Exclusively breastfed or fed breast milk for the first six months; Breast fed or fed breast milk but not exclusively during the first six months; Exclusivity is not known
Notes for Data-Users	
<p>Four questions are used to construct this indicator: whether the child was ever breastfed or fed breast milk (K6Q40), age at which breastfeeding stopped (K6Q41), age at which formula was introduced (K6Q42), and age at which anything other than breast milk was introduced (K6Q43). To qualify as having been exclusively breastfed for six months, children must meet all of the following: be at least six months old, did not stop breastfeeding before six months of age, and 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. Section 6 questions were asked only for children less than 6 years old.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.</p>	
SAS Syntax and Annotation	
<pre> /*Age in months completely stopped breastfeeding */ mnth_brstfd = K6Q41R; if K6Q41R >= 0 then mnth_brstfd = K6Q41R/30; if K6Q41R = 9995 then mnth_brstfd = 995; if K6Q41R in (9996,9997,.M) then mnth_brstfd = .M; if K6Q41R = .L then mnth_brstfd =.L; if K6Q41R = .N then mnth_brstfd =.N; label mnth_brstfd = "Age in months when completely stopped breastfeeding"; /*Recode into 2 groups, stopped breastfeeding before 6 mos or after 6 months*/ brstfed_stop = .; if mnth_brstfd < 6 then brstfed_stop = 1; if mnth_brstfd >= 6 then brstfed_stop = 2; if mnth_brstfd = .M then brstfed_stop = .M; if mnth_brstfd = .L then brstfed_stop = .L; if mnth_brstfd = .N then brstfed_stop = .N; label brstfed_stop = "Age in months of when stopped breastfeeding"; </pre>	

```

/* Months of age when first fed formula (breastfed EVER group only)*/

mnth_form= K6Q42R;
if K6Q42R > 0 then mnth_form = K6Q42R/30;
if K6Q42R = 0 then mnth_form = 0;
if K6Q42R = 9994 then mnth_form = 0;
if K6Q42R = 9995 then mnth_form= 995;
if K6Q42R in (9996,9997,.M) then mnth_form = .M;
if K6Q42R = .L then mnth_form =.L;
if K6Q42R = .N then mnth_form =.N;
label mnth_form= "Age in months when formula first fed to breastfed EVER children";

months_formula = .;
if mnth_form < 6 then months_formula = 1;
if mnth_form >= 6 then months_formula = 2;
if mnth_form = .M then months_formula = .M;
if mnth_form = .L then months_formula = .L;
if mnth_form = .N then months_formula = .N;
label months_formula = "Age in months of when started formula";

/* Months of age when first introduced food*/

mnth_food= K6Q43R;
if K6Q43R > 0 then mnth_food= K6Q43R/30;
if K6Q43R = 0 then mnth_food= 0;
if K6Q43R = 9994 then mnth_food= 0;
if K6Q43R = 9995 then mnth_food= 995
if K6Q43R in (9996,9997,.M) then mnth_food= .M;
if K6Q43R = .L then mnth_food = .L;
if K6Q43R = .N then mnth_food = .N;
label mnth_food= "Age in months when first fed other than breast milk or formula";

months_food = .;
if mnth_food < 6 then months_food = 1;
if mnth_food >= 6 then months_food = 2;
if mnth_food = .M then months_food = .M;
if mnth_food = .L then months_food = .L;
if mnth_food = .N then months_food = .N;
label months_food = "Age in months of when started anything other than breast milk";

ind1_3a_11 = .;
if K6Q40 = 0 then ind1_3a_11 = 1;
if brstfed_stop = 2 and months_formula = 2 and months_food = 2 then ind1_3a_11 = 2;
else if brstfed_stop = 1 or months_formula = 1 or months_food = 1 then ind1_3a_11 = 3;
else if K6Q40 = 1 and ind1_3a_11 not in (1,2) then ind1_3a_11 = 4;
if K6Q40 in (6,7,.M) then ind1_3a_11 = .M;
if flg_06_mnth = 1 or AGEYR_CHILD > 5 then ind1_3a_11 = .L;
label ind1_3a_11 = "Indicator 1.3a: Exclusively breastfed or fed breast milk for first 6 months, age 6

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months-5 years";
run;

value brststop /*brstfed_stop*/
1 = "Less than 6 months"
2 = "6 months or longer, or still breastfeeding"
.M = "DK/Ref/Missing in error"
.L = "Never breastfeed/DK/Ref to K6Q40"
.N = "6-17 yrs old";

value mnthfor /*months_formula*/
1 = "Earlier than 6 months"
2 = "6 months or after"
.M = "DK/Ref/Missing in error"
.L = "Never breastfeed/DK/Ref to K6Q40"
.N = "6-17 yrs old";

value mnthfood /*months_food*/
1 = "Earlier than 6 months"
2 = "6 months or after"
.M = "DK/Ref/Missing in error"
.L = "Never breastfeed/DK/Ref to K6Q40"
.N = "6-17 yrs old";

value ex_brstfd /*ind1_3a_11*/
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"
.M = "DK/Ref/Missing in error"
.L = "6-17 yrs old or less than 6 months";

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Indicator 1.4	Childhood weight status in 4 categories, age 10-17 years
Description	What is the weight status of children based on Body Mass Index (BMI) for age? 4 categories
Survey Items Used	BMICLASS
Denominator	Children age 10-17 years
Numerator	Underweight (less than 5th percentile); Healthy weight (5th to 84th percentile); Overweight (85th to 94th percentile); Obese (95th percentile or above)
Notes for Data-Users	
<p>Indicator 1.4 is derived directly from the variable BMICLASS in the 2011/12 NSCH public use data file provided by the National Center for Health Statistics. Assessment of body fat in children and teenagers is approached differently than for adults. Children's body fat composition changes as they grow, and growth patterns are different for boys and girls. Consequently, measurement of body mass for children, known as BMI-for-age, is age and gender specific BMI-for-age categories are:</p> <ul style="list-style-type: none"> 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. <p>Additional information about BMI-for-age is available from the CDC online at: http://www.cdc.gov/healthyweight/assessing/bmi/childrens_bmi/about_childrens_bmi.html. 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. BMI for children under 10 years of age is not reported in Indicator 1.4. In the NSCH BMI-for-age is based on parents' recollection of the selected child's height and weight. Responses to questions K2Q02 (child's height) and K2Q03 (child's weight) were not independently verified (e.g., measurement, health records, etc.).</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>ind1_4_11 = BMICLASS; label ind1_4_11 = "Indicator 1.4: What is the weight status of children based on Body Mass Index for age (BMI-for-age)?" value bmi /*ind1_4_11*/ 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" .M = "Missing in error" .N = "Skip: Less than 10 yrs";</pre>	

Indicator 1.5	Physical activity, age 6-17 years
Description	How many days during the past week did [child name] exercise, play a sport, or participate in physical activity for at least 20 minutes that made [him/her] sweat and breathe hard?
Survey Items Used	K7Q41; AGEYR_CHILD.
Denominator	Children age 6-17 years
Numerator	Number of days during previous week children engaged in vigorous physical activity: 0 days; 1-3 days; 4-6 days; Everyday
Notes for Data-Users	
Responses to K7Q41 (number of days during the past week) are combined into four categories.	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind1_5_11 = .; if K7Q41 = 0 then ind1_5_11 = 1; if 1 <= K7Q41 <= 3 then ind1_5_11 = 2; if 4 <= K7Q41 <= 6 then ind1_5_11 = 3; if K7Q41 = 7 then ind1_5_11 = 4; if K7Q41 in (96,97,.M) then ind1_5_11 = .M; if AGEYR_CHILD < 6 then ind1_5_11 = .L; label ind1_5_11 = "Indicator 1.5: During the past week, on how many days did [child name] exercise, play a sport, or participate in physical activity for at least 20 minutes that made [him/her] sweat and breathe hard, age 6-17"; value exercise /*ind1_5_11*/ 1 = "0 days" 2 = "1-3 days" 3 = "4-6 days" 4 = "Everyday" .M = "DK/Ref/Missing in error" .L = "Skip: age less than 6 yrs"; </pre>	

Indicator 1.6	Missed school days, age 6-17 years
Description	During the past 12 months, about how many days did [child name] miss school because of illness or injury?
Survey Items Used	K7Q02R; AGEYR_CHILD
Denominator	Children age 6-17 years
Numerator	Number of school days missed during past 12 months due to illness or injury: 0 days; 1-5 days; 6-10 days; 11 or more days
Notes for Data-Users	
Responses to K7Q02R (number of school days missed during the past year) are combined into four categories.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind1_6_11 = .; if K7Q02R in (994,995,996,997,.M) then ind1_6_11 = .M; if K7Q02R = 0 then ind1_6_11 = 1; if 1 <= K7Q02R <= 5 then ind1_6_11 = 2; if 6 <= K7Q02R <= 10 then ind1_6_11 = 3; if 11 <= K7Q02R <= 993 then ind1_6_11 = 4; if K7Q02R = .L then ind1_6_11 = .L; if K7Q02R = .N then ind1_6_11 = .N; label ind1_6_11 = "Indicator 1.6: During the past 12 months, about how many days did [child name] miss school because of illness or injury, age 6-17"; value miss_sch /*ind1_6_11*/ 1 = "0 days" 2 = "1-5 days" 3 = "6-10 days" 4 = "11 or more days" .M = "Home schooled/Did not go to school/DK/Ref/Missing in error" .L = "Not enrolled in school - No to K7Q01F" .N = "Skip: age less than 6 yrs"; </pre>	

Indicator 1.7	Children born premature
Description	How many children were born premature, that is 3 weeks or more before his or her due date?
Survey Items Used	K2Q05
Denominator	Children age 0-17 years
Numerator	Children who were born premature (3 or more weeks before their due date); Children who were not born premature
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind1_7_11 = K2Q05; if K2Q05 in (6,7,.M) then ind1_7_11 = .M; label ind1_7_11 = "Indicator 1.7: Child was born premature, more than 3 weeks before due date"; value premat /*ind1_7_11*/ 0 = "No, child was not born premature" 1 = "Yes, child was born premature" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 1.8	Children born at low birth weight
Description	How many children had a low birth weight? That is, they weighed less than 2500 grams when they were born?
Survey Items Used	K2Q04R
Denominator	Children age 0-17 years
Numerator	Children who were born with a low birth weight (2500 grams or less); Children who were not born with a low birth weight
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind1_8_11 = .; if 0 <= K2Q04R <= 88 then ind1_8_11 = 1; if 89 <= K2Q04R <= 163 then ind1_8_11 = 2; if K2Q04R = .M then ind1_8_11 = .M; label ind1_8_11 = "Indicator 1.8: Child's birth weight, converted into pounds"; value lowwght /*ind1_8_11*/ 1 = "Child was born with low birth weight (<2500g)" 2 = "Child had normal birth weight" .M = "Missing"; </pre>	

Indicator 1.8a	Children born with a low or very low birth weight
Description	How many children/youth had a very low birth weight? That is, they weighed less than 2500 grams when they were born, or very low birth weight, less than 1500g?
Survey Items Used	K2Q04R
Denominator	Children age 0-17 years
Numerator	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	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind1_8a_11 = .; if 0 <= K2Q04R <= 53 then ind1_8a_11 = 1; if 54 <= K2Q04R <= 88 then ind1_8a_11 = 2; if 89 <= K2Q04R <= 163 then ind1_8a_11 = 3; if K2Q04R = .M then ind1_8a_11 = .M; label ind1_8a_11 = "Indicator 1.8a: Child's birth weight, converted into pounds"; value verylow /*ind1_8a_11*/ 1 = "Child was born with very low birth weight (<1500g)" 2 = "Child was born with low birth weight (1501-2500g)" 3 = "Child had normal birth weight" .M = "Missing"; </pre>	

Indicator 1.9a	Children with 1 or more current chronic health conditions
Description	How many children currently have one or more chronic health conditions from a list of 18 conditions?
Survey Items Used	K2Q30A-B; K2Q31A-B; K2Q32A-B; K2Q33A-B; K2Q34A-B; K2Q35A-B; K2Q36A-B; K2Q37A-B; K2Q38A-B; K2Q40A-B; K2Q41A-B; K2Q42A-B; K2Q43A-B; K2Q44A-B; K2Q45A-B; K2Q46A-B; K2Q60A-B; K2Q61A-B
Denominator	Children age 0-17 years
Numerator	No current health conditions; one current health condition; two or more current health conditions
Notes for Data-Users	
<p>Indicator 1.9a is derived from responses to two questions about each of 18 acute or chronic health conditions: learning disability (K2Q30A-B), ADD or ADHD (K2Q31A-B), depression (K2Q32A-B), anxiety problems (K2Q33A-B), behavioral or conduct problems (K2Q34A-B), autism or other autism spectrum disorder (K2Q35A-B), developmental delay (K2Q36A-B), intellectual disability (K2Q60A-B), cerebral palsy (K2Q61A-B), speech problems (K2Q37A-B), asthma (K2Q40A-B), diabetes (K2Q41A-B), Tourette Syndrome (K2Q38A-B), epilepsy or seizure disorder (K2Q42A-B), hearing problems (K2Q43A-B), vision problems (K2Q44A-B), bone or joint problems (K2Q45A-B), brain injury or concussion (K2Q46A-B). For each condition, respondents were asked whether they have ever been told by a health care professional that the child has the condition, and whether the child currently has the condition. Children were then grouped according to the number of conditions they currently have: none, one, or two or more. 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>	
Revisions in 2011-2012	
<p>Although root questions K2Q30-K2Q46 were not changed in 2007, current prevalence is new. In 2011/12, the prevalence of intellectual disability (K2Q60A-B) and cerebral palsy (K2Q61A-B) were newly added. In both surveys conditions were named and parents were asked to respond for each condition whether they had ever been told by a health professional that their child had the condition. If yes, they were asked whether the child currently had the specific condition.</p>	
SAS Syntax and Annotation	
<pre>/*individual conditions recoded to combine the "Did child ever have..." with the "Do they currently have..." questions*/ learning_11 = .; /*Learning disabilities*/ if K2Q30A = 0 then learning_11 = 1; if K2Q30A = 1 and K2Q30B = 0 then learning_11 = 2; if K2Q30A = 1 and K2Q30B = 1 then learning_11 = 3; if K2Q30A in (6,7,.M) or K2Q30B in (6,7,.M) then learning_11 = .M; if K2Q30A = .L then learning_11 = .L; label learning_11 = "Does [child] have a learning disability (age 3-17)?";</pre>	

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ADHD_11 = .; /*ADD/ADHD*/
if K2Q31A = 0 then ADHD_11 = 1;
if K2Q31A = 1 and K2Q31B = 0 then ADHD_11 = 2;
if K2Q31A = 1 and K2Q31B = 1 then ADHD_11 = 3;
if K2Q31A in (6,7,.M) or K2Q31B in (6,7,.M) then ADHD_11 = .M;
if K2Q31A = .L then ADHD_11 = .L;
label ADHD_11 = "Does [child] have ADD or ADHD (age 2-17)?"

depress_11 = .; /*Depression*/
if K2Q32A = 0 then depress_11 = 1;
if K2Q32A = 1 and K2Q32B = 0 then depress_11 = 2;
if K2Q32A = 1 and K2Q32B = 1 then depress_11 = 3;
if K2Q32A in (6,7,.M) or K2Q32B in (6,7,.M) then depress_11 = .M;
if K2Q32A = .L then depress_11 = .L;
label depress_11 = "Does [child] have depression (age 2-17)?"

anxiety_11 = .; /*Anxiety problems*/
if K2Q33A = 0 then anxiety_11 = 1;
if K2Q33A = 1 and K2Q33B = 0 then anxiety_11 = 2;
if K2Q33A = 1 and K2Q33B = 1 then anxiety_11 = 3;
if K2Q33A in (6,7,.M) or K2Q33B in (6,7,.M) then anxiety_11 = .M;
if K2Q33A = .L then anxiety_11 = .L;
label anxiety_11 = "Does [child] have anxiety problems (age 2-17)?"

behavior_11 = .; /*ODD or conduct disorder*/
if K2Q34A = 0 then behavior_11 = 1;
if K2Q34A = 1 and K2Q34B = 0 then behavior_11 = 2;
if K2Q34A = 1 and K2Q34B = 1 then behavior_11 = 3;
if K2Q34A in (6,7,.M) or K2Q34B in (6,7,.M) then behavior_11 = .M;
if K2Q34A = .L then behavior_11 = .L;
label behavior_11 = "Does [child] have behavioral or conduct problems, such as oppositional defiant disorder or conduct disorder (age 2-17)?"

autism_11 = .; /*Autism*/
if K2Q35A = 0 then autism_11 = 1;
if K2Q35A = 1 and K2Q35B = 0 then autism_11 = 2;
if K2Q35A = 1 and K2Q35B = 1 then autism_11 = 3;
if K2Q35A in (6,7,.M) or K2Q35B in (6,7,.M) then autism_11 = .M;
if K2Q35A = .L then autism_11 = .L;
label autism_11 = "Does [child] have autism, Asperger's Disorder, pervasive developmental disorder, or other autism spectrum disorder (age 2-17)?"

devdelay_11 = .; /*Developmental Delay*/
if K2Q36A = 0 then devdelay_11 = 1;
if K2Q36A = 1 and K2Q36B = 0 then devdelay_11 = 2;
if K2Q36A = 1 and K2Q36B = 1 then devdelay_11 = 3;
if K2Q36A in (6,7,.M) or K2Q36B in (6,7,.M) then devdelay_11 = .M;
if K2Q36A = .L then devdelay_11 = .L;

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label devdelay_11 = "Does [child] have any developmental delay (age 2-17)?";

intdisab_11 = .; /*Intellectual disability or mental retardation*/
if K2Q60A = 0 then intdisab_11 = 1;
if K2Q60A = 1 and K2Q60B = 0 then intdisab_11 = 2;
if K2Q60A = 1 and K2Q60B = 1 then intdisab_11 = 3;
if K2Q60A in (6,7,.M) or K2Q60B in (6,7,.M) then intdisab_11 = .M;
if K2Q60A = .L then intdisab_11 = .L;
label intdisab_11 = "Does [child] have intellectual disability or mental retardation (age 2-17)?";

palsy_11 = .; /*Cerebral palsy*/
if K2Q61A = 0 then palsy_11 = 1;
if K2Q61A = 1 and K2Q61B = 0 then palsy_11 = 2;
if K2Q61A = 1 and K2Q61B = 1 then palsy_11 = 3;
if K2Q61A in (6,7,.M) or K2Q61B in (6,7,.M) then palsy_11 = .M;
IF AGEYR_CHILD <=1 then palsy_11 = .L;
label palsy_11 = "Does [child] have Cerebral palsy (age 2-17)?";

speech_11 = .; /*Speech Problems*/
if K2Q37A = 0 then speech_11 = 1;
if K2Q37A = 1 and K2Q37B = 0 then speech_11 = 2;
if K2Q37A = 1 and K2Q37B = 1 then speech_11 = 3;
if K2Q37A in (6,7,.M) or K2Q37B in (6,7,.M) then speech_11 = .M;
if K2Q37A = .L then speech_11 = .L;
label speech_11 = "Does [child] have any stuttering, stammering, or other speech problems (age 2-17)?";

tourette_11 = .; /*Tourette Syndrom*/
if K2Q38A = 0 then tourette_11 = 1;
if K2Q38A = 1 and K2Q38B = 0 then tourette_11 = 2;
if K2Q38A = 1 and K2Q38B = 1 then tourette_11 = 3;
if K2Q38A in (6,7,.M) or K2Q38B in (6,7,.M) then tourette_11 = .M;
if K2Q38A = .L then tourette_11 = .L;
label tourette_11 = "Does [child] have Tourette Syndrome (age 0-17)?";

asthma_11 = .; /*Asthma*/
if K2Q40A = 0 then asthma_11 = 1;
if K2Q40A = 1 and K2Q40B = 0 then asthma_11 = 2;
if K2Q40A = 1 and K2Q40B = 1 then asthma_11 = 3;
if K2Q40A in (6,7,.M) or K2Q40B in (6,7,.M) then asthma_11 = .M;
label asthma_11 = "Does [child] have asthma (age 0-17)?";

diabetes_11 = .; /*Diabetes*/
if K2Q41A = 0 then diabetes_11 = 1;
if K2Q41A = 1 and K2Q41B = 0 then diabetes_11 = 2;
if K2Q41A = 1 and K2Q41B = 1 then diabetes_11 = 3;
if K2Q41A in (6,7,.M) or K2Q41B in (6,7,.M) then diabetes_11 = .M;
label diabetes_11 = "Does [child] have diabetes (age 0-17)?";

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seizure_11 = .; /*Epilepsy or seizure disorder*/
if K2Q42A = 0 then seizure_11 = 1;
if K2Q42A = 1 and K2Q42B = 0 then seizure_11 = 2;
if K2Q42A = 1 and K2Q42B = 1 then seizure_11 = 3;
if K2Q42A in (6,7,.M) or K2Q42B in (6,7,.M) then seizure_11 = .M;
label seizure_11 = "Does [child] have epilepsy or seizure disorder (age 0-17)?"

hearing_11 = .; /*Hearing problems*/
if K2Q43A = 0 then hearing_11 = 1;
if K2Q43A = 1 and K2Q43B = 0 then hearing_11 = 2;
if K2Q43A = 1 and K2Q43B = 1 then hearing_11 = 3;
if K2Q43A in (6,7,.M) or K2Q43B in (6,7,.M) then hearing_11 = .M;
label hearing_11 = "Does [child] have hearing problems (age 0-17)?"

vision_11 = .; /*Vision problems not corrected with glasses/contact lenses*/
if K2Q44A = 0 then vision_11 = 1;
if K2Q44A = 1 and K2Q44B = 0 then vision_11 = 2;
if K2Q44A = 1 and K2Q44B = 1 then vision_11 = 3;
if K2Q44A in (6,7,.M) or K2Q44B in (6,7,.M) then vision_11 = .M;
label vision_11 = "Does [child] have vision problems that cannot be corrected with glasses or contact lenses (age 0-17)?"

joints_11 = .; /*Bone, joint, or muscle problems*/
if K2Q45A = 0 then joints_11 = 1;
if K2Q45A = 1 and K2Q45B = 0 then joints_11 = 2;
if K2Q45A = 1 and K2Q45B = 1 then joints_11 = 3;
if K2Q45A in (6,7,.M) or K2Q45B in (6,7,.M) then joints_11 = .M;
label joints_11 = "Does [child] have bone, joint, or muscle problems (age 0-17)?"

brain_11 = .; /*brain injury or concussion*/
if K2Q46A = 0 then brain_11 = 1;
if K2Q46A = 1 and K2Q46B = 0 then brain_11 = 2;
if K2Q46A = 1 and K2Q46B = 1 then brain_11 = 3;
if K2Q46A in (6,7,.M) or K2Q46B in (6,7,.M) then brain_11 = .M;
label brain_11 = "Does [child] have a brain injury or concussion (age 0-17)?"

/* count of any of the conditions */

anycondition = 0;
if learning_11 in (3) then anycondition + 1;
if ADHD_11 in (3) then anycondition + 1;
if depress_11 in (3) then anycondition + 1;
if anxiety_11 in (3) then anycondition + 1;
if behavior_11 in (3) then anycondition + 1;
if autism_11 in (3) then anycondition + 1;
if devdelay_11 in (3) then anycondition + 1;
if intdisab_11 in (3) then anycondition + 1;
if palsy_11 in (3) then anycondition + 1;

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if speech_11 in (3) then anycondition + 1;
if tourette_11 in (3) then anycondition + 1;
if asthma_11 in (3) then anycondition + 1;
if diabetes_11 in (3) then anycondition + 1;
if seizure_11 in (3) then anycondition + 1;
if hearing_11 in (3) then anycondition + 1;
if vision_11 in (3) then anycondition + 1;
if joints_11 in (3) then anycondition + 1;
if brain_11 in (3) then anycondition + 1;
label anycondition = "# of current conditions across all 18 items";

array miss_a {*} learning_11 ADHD_11 depress_11 anxiety_11 behavior_11 autism_11
devdelay_11 intdisab_11 palsy_11 speech_11 tourette_11 asthma_11 diabetes_11 seizure_11 hearing_11
vision_11 joints_11 brain_11;
missa = 0;
nonea = 0;
valida = 0;
do l = 1 to dim(miss_a);
  if miss_a(i) in (1,2,3) then valida = valida + 1;
  if miss_a(i) in (1,2) then nonea = nonea + 1;
  if miss_a(i) in (6,7,.M) then miss_a(i) = .M;
end; drop l;

/* Indicator 1.9a. */

ind1_9a_11 = .;
if nonea = valida then ind1_9a_11 = 1;
if anycondition = 1 then ind1_9a_11 = 2;
if anycondition >= 2 then ind1_9a_11 = 3;
if valida = 0 then ind1_9a_11 = .M;
label ind1_9a_11 = "Indicator 1.9a: How many children have one or more current chronic health conditions?";

value learn_prev /*learning_11*/
1 = "Does not have condition"
2 = "Ever told, but does not currently have condition"
3 = "Currently has condition"
.M = "DK/Ref/Missing in error"
.L = "Skip: Less than 3 years";

value prevtwo /*ADHD_11 to tourette_11*/
1 = "Does not have condition"
2 = "Ever told, but does not currently have condition"
3 = "Currently has condition"
.M = "DK/Ref/Missing in error"
.L = "Skip: Less than 2 years";

value condprev /*asthma_11 to brain_11*/
1 = "Does not have condition"

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2 = "Ever told, but does not currently have condition"

3 = "Currently has condition"

.M = "DK/Ref/Missing in error";

value currcond /*ind1_9a_11*/

1 = "Does not have any current chronic health conditions from the list of 18 asked"

2 = "Currently has 1 chronic health conditions from the list of 18 asked"

3 = "Currently has 2 or more chronic health conditions from the list of 18 asked"

.M = "DK/Ref/Missing in error to all";

Indicator 2.1	One or more concerns about child's developmental status, age 4 months-5 years
Description	How many children have parents with one or more concerns about child's physical, behavioral or social development?
Survey Items Used	K6Q01; K6Q02; K6Q03; K6Q04; K6Q05; K6Q06; K6Q07; K6Q08; K6Q09; AGEYR_CHILD
Denominator	Children age 0-5 years
Numerator	Children whose parents reported: no concerns; one or more concerns
Notes for Data-Users	
<p>Questions and scoring methods for Indicators 2.1 and 2.2 are adapted from the Parents' Evaluation of Developmental Status (PEDS), © 2005 Frances Page Glascoe, Parents' Evaluation of Developmental Status—Survey Version. Forepath.org, PO Box 23186, Washington, DC 20026. The PEDS is a standardized child development screening tool designed to identify young children who are at risk for developmental, behavioral or social delay. The NSCH uses a non-clinical version of the PEDS. The PEDS is copyright protected and may be used only with permission of the publisher. Researchers interested in analyzing the PEDS data should consult the PEDS documentation for scoring instructions. (Health care providers wishing to use PEDS in practice to assess risk status or to make decisions about developmental status for individual children must use the clinical version of the test, which can be obtained from Ellsworth & Vandermeer Press, LLC. The clinical version was not used for the NSCH.) For further information visit the PEDS website at: http://www.pedstest.com.</p> <p>Indicator 2.1 is derived from a count of responses to age-appropriate subsets of the nine PEDS© questions (K6Q01-K6Q09). Parents of all children age 0 through 5 years were asked if they have concerns about their child's development (K6Q01). The remaining questions were asked as appropriate for the child's age: 4 - 17 months, 18 months - 2 years, 3 - 4 years, and 5 years.</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<p>** Interim variable that counts number of cases with responses of 1 or 2 across the nine items below.</p> <p>** NOTE: Due to the age-specific skip patterns for these 9 items, it is impossible to have DK/REF across all; as a result, the denominator for this indicator is all children ages 0-5 yrs old</p> <pre>miss9 = 0; if K6Q01 in (6,7,.M,.L)then miss9 + 1; if K6Q02 in (6,7,.M,.L)then miss9 + 1; if K6Q03 in (6,7,.M,.L)then miss9 + 1; if K6Q04 in (6,7,.M,.L)then miss9 + 1; if K6Q05 in (6,7,.M,.L)then miss9 + 1; if K6Q06 in (6,7,.M,.L)then miss9 + 1; if K6Q07 in (6,7,.M,.L)then miss9 + 1; if K6Q08 in (6,7,.M,.L)then miss9 + 1; if K6Q09 in (6,7,.M,.L)then miss9 + 1;</pre>	

```

anyconc = 0;
if K6Q01 in (1) then anyconc = 1;
if K6Q02 in (1,2) then anyconc + 1;
if K6Q03 in (1,2) then anyconc + 1;
if K6Q04 in (1,2) then anyconc + 1;
if K6Q05 in (1,2) then anyconc + 1;
if K6Q06 in (1,2) then anyconc + 1;
if K6Q07 in (1,2) then anyconc + 1;
if K6Q08 in (1,2) then anyconc + 1;
if K6Q09 in (1,2) then anyconc + 1;
if K6Q02 = .L then anyconc = .L; /*setting infants < 4 months old to missing*/
if AGEYR_CHILD > 5 then anyconc = .N;
if miss9 = 9 then anyconc = .M;
label anyconc = "# of concerns across all items";

ind2_1_11 = .;
if anyconc = 0 then ind2_1_11 = 1;
if anyconc > 0 then ind2_1_11 = 2;
if miss9 = 9 then ind2_1_11 = .M;
if K6Q02 = .L then ind2_1_11 = .L;
if AGEYR_CHILD > 5 then ind2_1_11 = .N;
label ind2_1_11 = "Indicator 2.1: How many children (ages 4 mos-5yrs) have parents with one or more
concerns about child's physical, behavioral or social development?";

value concern /*ind2_1_11*/
1 = "No parent-reported concerns"
2 = "1 or more parent-reported concerns"
.L = "Less than 4 months"
.N = "Age 6-17 years"
.M = "DK/Ref/Missing in error/Legit skip to all 9 questions";

```

Indicator 2.2	At risk for developmental, behavioral, or social delays, age 4 months-5 years
Description	How many children are at risk for developmental, behavioral or social delays?
Survey Items Used	K6Q01; K6Q02; K6Q03; K6Q04; K6Q05; K6Q06; K6Q07; K6Q08; K6Q09; AGEYR_CHILD; FLG_18_MNTH
Denominator	Children age 4 months-5 years
Numerator	Children whose risk for delay in learning, development or behavior is: low or no risk; moderate risk; high risk
Notes for Data-Users	
<p>Questions and scoring methods for Indicators 2.1 and 2.2 are adapted from the Parents' Evaluation of Developmental Status (PEDS), © 2005 Frances Page Glascoe, Parents' Evaluation of Developmental Status—Survey Version. Forepath.org, PO Box 23186, Washington, DC 20026. The PEDS is a standardized child development screening tool designed to identify young children who are at risk for developmental, behavioral or social delay. The NSCH uses a non-clinical version of the PEDS. The PEDS is copyright protected and may be used only with permission of the publisher. Researchers interested in analyzing the PEDS data should consult the PEDS documentation for scoring instructions. (Health care providers wishing to use PEDS in practice to assess risk status or to make decisions about developmental status for individual children must use the clinical version of the test, which can be obtained from Ellsworth & Vandermeer Press, LLC. The clinical version was not used for the NSCH.) For further information visit the PEDS website at: http://www.pedstest.com.</p> <p>Indicator 2.2 uses responses to items K6Q01-K6Q09. Parents of all children age 4 months through 5 years, were asked if they have concerns about their child's development (K6Q01). The remaining questions were asked as appropriate for the child's age: 4 - 17 months, 18 months - 2 years, 3 - 4 years, and 5 years. Level of risk (low or none, moderate, or high) is based on which items for which parents expressed "a little" or "a lot" of concern. A description of the PEDS© scoring algorithms used in the NSCH may be viewed at: http://www.childhealthdata.org/docs/nsch-docs/peds_scoring_4website-pdf.pdf.</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>/*RECODE scoring items for PEDS*/ r_K6Q01 = K6Q01; label r_K6Q01 = "Any concerns about learning, development, or behavior"; express = K6Q02; label express = "K6Q02 Talks and makes speech sounds"; receptive = K6Q03; label receptive = "K6Q03 Understands what you say"; hands = K6Q04; label hands = "K6Q04 Uses hands and fingers to do things"; legs = K6Q05; label legs = "K6Q05 Uses arms and legs"; behvs = K6Q06; label behvs = "K6Q06 Behaves";</pre>	

```

social = K6Q07;
label social = "K6Q07 Gets along with others";
self = K6Q08;
label self = "K6Q08 Learning to do things for self";
presch = K6Q09;
label presch = "K6Q09 Learning pre-school or school skills";
r_K6Q10 = K6Q10;
label r_K6Q10 = "Doctor or health professionals ask concerns about learning, development, or behavior";

array recode1 {*} r_K6Q01 express receptive hands legs behvs social self presch r_K6Q10;
do m=1 to dim(recode1);
  if recode1(m) in (7,.L,.M,.N) then recode1(m)=.;
  if recode1(m) in (1,2) then recode1(m) = 1;
  if recode1(m) in (0,3,6) then recode1(m) = 0;
end;
drop m;

/* Scoring predictive and non-predictive concerns for children 4 mos - 17 mos*/

if flg_18_mnth = 1 and K6Q02 ne .L then do; /* 4mos to 17mos old*/
  if sum(express,social) = 2 then peds_LT18mos = 3;
  else if sum(express,social) = 1 then peds_LT18mos = 2;
  else if (sum(express,social) = 0) and (r_K6Q01=1 or receptive=1 or hands=1 or legs=1 or behvs=1 or self=1)
  then peds_LT18mos = 1;
  else peds_LT18mos = 0;
  if nmiss(r_K6Q01,express,receptive,hands,legs,behvs,social,self) ge 5 then peds_LT18mos = .;
end;
label peds_LT18mos = "PEDS results for ch 4 mos to17mos";

/*Scoring predictive and non-predictive concerns for children age 18mos to 24mos*/

else if AGEYR_CHILD lt 3 and flg_18_mnth = 0 then do; /* 18mos to 2yrs old*/
  if sum(express,receptive) = 2 then peds_18to24mos = 3;
  else if sum(express,receptive) = 1 then peds_18to24mos = 2;
  else if r_K6Q01 = 1 or hands = 1 or legs = 1 or behvs = 1 or social = 1 or self=1
  or presch=1 then peds_18to24mos = 1;
  else peds_18to24mos = 0;
  if nmiss(r_K6Q01,express,receptive,hands,legs,behvs,social,self,presch) ge 5 then peds_18to24mos = .;
end;
label peds_18to24mos = "PEDS results for ch 18-24 mos";

/*Scoring predictive and non-predictive concerns for children ages 3 to 4yrs old*/

else if AGEYR_CHILD lt 5 and AGEYR_CHILD ge 3 then do; /* 3yr to 4yr old*/
  if sum(express,receptive,legs) ge 2 then peds_3to4yrs = 3;
  else if sum(express,receptive,legs) = 1 then peds_3to4yrs = 2;
  else if r_K6Q01=1 or hands=1 or behvs=1 or social=1 or self=1 or presch=1 then peds_3to4yrs = 1;
  else peds_3to4yrs = 0;
  if nmiss(r_K6Q01,express,receptive,hands,legs,behvs,social,self,presch) ge 5 then peds_3to4yrs = .;

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end;
label peds_3to4yrs = "PEDS results for ch 3 to 4yrs old";

/*Scoring predictive and non-predictive concerns for children age 5 yrs old*/

else if AGEYR_CHILD lt 6 and AGEYR_CHILD ge 5 then do; /* 5yr old*/
  if sum(express,receptive,hands,legs,presch) ge 2 then peds_5yrs = 3;
  else if sum(express,receptive,hands,legs,presch) = 1 then peds_5yrs = 2;
  else if r_K6Q01=1 or behvs=1 or social=1 or self=1 then peds_5yrs = 1;
  else peds_5yrs = 0;
  if nmiss(R_K6Q01,express,receptive,hands,legs,behvs,social,self,presch) ge 5 then peds_5yrs = .;
end;
label peds_5yrs = "PEDS results for ch 5 yrs old";

/*Overall PEDS results*/

peds = .;
if peds_LT18mos = 0 or peds_18to24mos =0 or peds_3to4yrs =0 or peds_5yrs = 0 then peds = 0;
if peds_LT18mos = 1 or peds_18to24mos =1 or peds_3to4yrs =1 or peds_5yrs = 1 then peds = 1;
if peds_LT18mos = 2 or peds_18to24mos =2 or peds_3to4yrs =2 or peds_5yrs = 2 then peds = 2;
if peds_LT18mos = 3 or peds_18to24mos =3 or peds_3to4yrs =3 or peds_5yrs = 3 then peds = 3;
if peds_LT18mos = . and peds_18to24mos = . and peds_3to4yrs = . and peds_5yrs = . then peds = .M;
if K6Q02 = .L then peds = .L;
if AGEYR_CHILD > 5 then peds = .N;
label peds = "Overall PEDS scoring results for risk of developmental, behavioral or social delay -- children
ages 4mos - 5yrs";

/*indicator 2.2: Recode to "no/low" vs. "moderate" or "high" risk*/

ind2_2_11 = .; /*Risk for Developmental Delay*/
if peds in (0,1) then ind2_2_11 = 0;
if peds = 2 then ind2_2_11 = 1;
if peds = 3 then ind2_2_11 = 2;
if peds_LT18mos = . and peds_18to24mos = . and peds_3to4yrs = . and peds_5yrs = . then ind2_2_11 = .M;
if K6Q02 = .L then ind2_2_11 = .L;
if AGEYR_CHILD > 5 then ind2_2_11 = .N;
label ind2_2_11 = "Indicator 2.2: Overall PEDS scoring results for risk of developmental, behavioral or social
delay -- children ages 4mos - 5yrs";

value items /*express to r_K6Q10*/
0 = "Not at all concerned or DK"
1 = "A little or a lot concerned";

value devrisk /*peds_LT18mos peds_18to24mos peds_3to4yrs peds_5yrs*/
0 = "No risk - no concerns"
1 = "Low risk - 1 or more non-predictive concerns only"
2 = "Moderate risk - 1 predictive concern"
3 = "High risk - 2 or more predictive concerns";

```

```
value pedsc /*peds*/
0 = "Not at risk"
1 = "Low risk"
2 = "Moderate risk"
3 = "High risk"
.L = "Child less than 4 months"
.N = "6-17 years"
.M = "Ref/Missing in error";

value devriskII /*ind2_2_11*/
0 = "No or low risk"
1 = "Moderate risk"
2 = "High risk"
.L = "Child less than 4 months"
.N = "6-17 years"
.M = "Ref/Missing in error";
```

Indicator 2.2a	Child plays with other similar age children, age 1-5 years
Description	During the past week, how many days did [child name] play with other children [his/her] age?
Survey Items Used	K6Q63; AGEYR_CHILD
Denominator	Children age 1-5 years
Numerator	Number of days in previous week: none; 1 - 3 days; 4 - 6 days; 7 days
Notes for Data-Users	
Responses to K6Q63 for children 1 - 5 years of age are grouped into four categories. Responses are expressed as number of days rather than number of occasions or number of children.	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind2_2a_11 = .; if K6Q63 = 0 then ind2_2a_11 = 1; if K6Q63 in (1,2,3) then ind2_2a_11 = 2; if K6Q63 in (4,5,6) then ind2_2a_11 = 3; if K6Q63 = 7 then ind2_2a_11 = 4; if K6Q63 in (96,97,.M) then ind2_2a_11 = .M; if AGEYR_CHILD < 1 then ind2_2a_11 = .L; if K6Q63 = .N then ind2_2a_11 = .N; label ind2_2a_11 = "Indicator 2.2a: Children play with others their age, 1-5 years old"; proc format; value play /*ind2_2a_11*/ 1 = "No days per week" 2 = "1-3 days per week" 3 = "4-6 days per week" 4 = "Every day" .M = "DK/Ref/Missing in error" .L = "Less than 1 yr old" .N = "Age 6-17 years"; </pre>	

Indicator 2.3	Flourishing for young children, age 6 months-5 years
Description	Measure of flourishing for young children, age 6 months-5
Survey Items Used	K6Q70; K6Q71; K6Q72; K6Q73
Denominator	Children age 6 months-5 years
Numerator	Met 0-2 flourishing items; Met 3 flourishing items; Met all 4 flourishing items
Notes for Data-Users	
<p>Positive health items, “flourishing items” (also known as thriving), were newly included in the 2011/12 NSCH to provide information on childhood well-being and resilience. Flourishing as a concept contains multiple dimensions of physical health, mental and emotional health, caring, empathy and resilience, therefore items are organized by domains within thriving. Questions were developed based on a review of positive health indicators by a Technical Expert Panel. This TEP includes a representative group of experts in the field of survey methodology, children's health, community organizations, and family leaders. Additionally, there was a public comment period which yielded more interesting in this concept. From the collection of input from the Technical Expert Panel and Public Comment, two sets of flourishing items were developed for children age 6 months-5 years and a separate set for children 6-17 years based on developmentally appropriate experiences for each age group.</p> <p>For children age 6 months-5 years, four questions were asked that aimed to capture curiosity and discovery about learning, resilience, attachment with parent, and content with life. These were captured through: (1) child is affectionate and tender, (2) child bounces back quickly when things don't go his/her way, (3) child shows interest and curiosity in learning new things, and (4) child smiles and laughs a lot. Children less than 6 months were not asked questions due to developmental stage.</p> <p>Additional positive health indicators included in the 2011/12 NSCH include: overall health status and relationship with family and peers (parent reads/sings/tells stories to child, family eats meals together, plays with children own age) among others.</p>	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre>tender_11 = .; if K6Q70 in (1,2,3) then tender_11 = 1; if K6Q70 = 4 then tender_11 = 2; if K6Q70 = 5 then tender_11 = 3; if K6Q70 in (6,7,.M) then tender_11 = .M; if AGEYR_CHILD > 5 then tender_11 = .N; if FLG_06_MNTH = 1 then tender_11 = .L; if FLG_06_MNTH = 0 and K6Q70=.L then tender_11 = .M; label tender_11 = "Child is affectionate and tender with parent"; resilience0to5_11 = .;</pre>	

```

if K6Q73 in (1,2,3) then resilience0to5_11 = 1;
if K6Q73 = 4 then resilience0to5_11 = 2;
if K6Q73 = 5 then resilience0to5_11 = 3;
if K6Q73 in (6,7,.M) then resilience0to5_11 = .M;
if AGEYR_CHILD > 5 then resilience0to5_11 = .N;
if FLG_06_MNTH = 1 then resilience0to5_11 = .L;
if FLG_06_MNTH = 0 and K6Q73 = .L then resilience0to5_11 = .M;
label resilience0to5_11 = "Child bounces back quickly when things don't go his/her way";

curious0to5_11 = .;
if K6Q71 in (1,2,3) then curious0to5_11 = 1;
if K6Q71 = 4 then curious0to5_11 = 2;
if K6Q71 = 5 then curious0to5_11 = 3;
if K6Q71 in (6,7,.M) then curious0to5_11 = .M;
if AGEYR_CHILD > 5 then curious0to5_11 = .N;
if FLG_06_MNTH = 1 then curious0to5_11 = .L;
if FLG_06_MNTH = 0 and K6Q71 = .L then curious0to5_11 = .M;
label curious0to5_11 = "Child shows interest and curiosity in learning new things";

smile_11 = .;
if K6Q72 in (1,2,3) then smile_11 = 1;
if K6Q72 = 4 then smile_11 = 2;
if K6Q72 = 5 then smile_11 = 3;
if K6Q72 in (6,7,.M) then smile_11 = .M;
if AGEYR_CHILD > 5 then smile_11 = .N;
if FLG_06_MNTH = 1 then smile_11 = .L;
if FLG_06_MNTH = 0 and K6Q72 = .L then smile_11 = .M;
label smile_11 = "Child smiles and laughs a lot";

ct_flour0to5 = 0;
if tender_11 in (2,3) then ct_flour0to5 + 1;
if resilience0to5_11 in (2,3) then ct_flour0to5 + 1;
if curious0to5_11 in (2,3) then ct_flour0to5 + 1;
if smile_11 in (2,3) then ct_flour0to5 + 1;
if tender_11 = .M and resilience0to5_11 = .M and curious0to5_11 = .M and smile_11 = .M then ct_flour0to5 = .M;
if FLG_06_MNTH = 1 then ct_flour0to5 = .L;
if AGEYR_CHILD > 5 then ct_flour0to5 = .N;
label ct_flour0to5 = "Count of Usually/Always responses to flourishing items, age 6 months-5 years";

ind2_3_11 = .;
if ct_flour0to5 <= 2 then ind2_3_11 = 0;
if ct_flour0to5 = 3 then ind2_3_11 = 1;
if ct_flour0to5 = 4 then ind2_3_11 = 2;
if tender_11 = .M and resilience0to5_11 = .M and curious0to5_11 = .M and smile_11 = .M then ind2_3_11 = .M;
if FLG_06_MNTH = 1 then ind2_3_11 = .L;
if AGEYR_CHILD > 5 then ind2_3_11 = .N;
label ind2_3_11 = "Indicator 2.3: Flourishing Composite Item, age 6 months-5 years";

```

```
value flourfive /*ind2_3_11 */
```

```
0 = "Usually/Always responses to 0-2 items"
```

```
1 = "Usually/Always responses to 3 items"
```

```
2 = "Usually/Always responses to all 4 items"
```

```
.M = "DK/Ref/Missing in error to all 4 items"
```

```
.L = "Child is <6 months"
```

```
.N = "Child age 6-17 years";
```

```
value flouritem /*tender_11 resilience0to5_11 curious0to5_11 smile_11*/
```

```
1 = "Never, Rarely, Sometimes"
```

```
2 = "Usually"
```

```
3 = "Always"
```

```
.M = "DK/Ref/Missing in error"
```

```
.L = "Child is <6 months"
```

```
.N = "Child age 6-17 years";
```

Indicator 2.4	Flourishing for children and adolescents, age 6-17 years
Description	Measure of flourishing for children and adolescents, age 6-17 years
Survey Items Used	K6Q84; K6Q85; K6Q86
Denominator	Children age 6-17 years
Numerator	Met 0-1 flourishing items; Met 2 flourishing items; Met all 3 flourishing items
Notes for Data-Users	
<p>Positive health items, “flourishing items” (also known as thriving), were newly included in the 2011/12 NSCH to provide information on childhood well-being and resilience. Flourishing as a concept contains multiple dimensions of physical health, mental and emotional health, caring, empathy and resilience, therefore items are organized by domains within thriving. Questions were developed based on a review of positive health indicators by a Technical Expert Panel. This TEP includes a representative group of experts in the field of survey methodology, children's health, community organizations, and family leaders. Additionally, there was a public comment period which yielded more interesting in this concept. From the collection of input from the Technical Expert Panel and Public Comment, two sets of flourishing items were developed for children age 6 months-5 years and a separate set for children 6-17 years based on developmentally appropriate experiences for each age group.</p> <p>For children age 6-17 years, three questions were asked that aimed to capture curiosity and discovery about learning, resilience, and self-regulation. These were captured through: (1) child shows interest and curiosity in learning new things, (2) child stays calm and in control when faced with a challenge, (3) child finishes tasks and follows through with plans.</p> <p>Additional positive health indicators included in the 2011/12 NSCH include: overall health status, school engagement (cares about doing well in school and completes all required homework), self-care and healthy decisions (physical activity, adequate sleep), participation in activities (extracurricular activities, volunteering, work for pay outside home), and relationship with family and peers (parent-child relationship, family eats meals together) among others.</p>	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> finishes_11 = .; if K7Q84 in (1,2,3) then finishes_11 = 1; if K7Q84 = 4 then finishes_11 = 2; if K7Q84 = 5 then finishes_11 = 3; if K7Q84 in (6,7,.M) then finishes_11 = .M; if AGEYR_CHILD < 6 then finishes_11 = .N; label finishes_11 = " Child finishes the tasks he/she starts and follows through with what he/she says he'll/she'll do"; resilience6to17_11 = .; if K7Q85 in (1,2,3) then resilience6to17_11 = 1; if K7Q85 = 4 then resilience6to17_11 = 2; </pre>	

```

if K7Q85 = 5 then resilience6to17_11 = 3;
if K7Q85 in (6,7,.M) then resilience6to17_11 = .M;
if AGEYR_CHILD < 6 then resilience6to17_11 = .N;
label resilience6to17_11 = "Child stays calm and in control when facing a challenge";

curious6to17_11 = .;
if K7Q86 in (1,2,3) then curious6to17_11 = 1;
if K7Q86 = 4 then curious6to17_11 = 2;
if K7Q86 = 5 then curious6to17_11 = 3;
if K7Q86 in (6,7,.M) then curious6to17_11 = .M;
if AGEYR_CHILD < 6 then curious6to17_11 = .N;
label curious6to17_11 = "Child shows interest and curiosity in learning new things";

ct_flour6to17 = 0;
if finishes_11 in (2,3) then ct_flour6to17 + 1;
if resilience6to17_11 in (2,3) then ct_flour6to17 + 1;
if curious6to17_11 in (2,3) then ct_flour6to17 + 1;
if finishes_11 = .M and resilience6to17_11 = .M and curious6to17_11 = .M then ct_flour6to17 = .M;
if AGEYR_CHILD < 6 then ct_flour6to17 = .N;
label ct_flour6to17 = "Count of Usually/Always responses to flourishing items, 6-17 years";

ind2_4_11 = .;
if ct_flour6to17 <= 1 then ind2_4_11 = 0;
if ct_flour6to17 = 2 then ind2_4_11 = 1;
if ct_flour6to17 = 3 then ind2_4_11 = 2;
if finishes_11 = .M and resilience6to17_11 = .M and curious6to17_11 = .M then ind2_4_11 = .M;
if AGEYR_CHILD < 6 then ind2_4_11 = .N;
label ind2_4_11 = "Indicator 2.4: Flourishing Composite Item, age 6-17 years";

value floursix /*ind2_4_11 */
0 = "Usually/Always responses to 0-1 items"
1 = "Usually/Always responses to 2 items"
2 = "Usually/Always responses to all 3 items"
.M = "DK/Ref/Missing in error to all 3 items"
.N = "Child age 0-5 years";

value flouritems /*finishes_11 resilience6to17_11 curious6to17_11*/
1 = "Never, Rarely, Sometimes"
2 = "Usually"
3 = "Always"
.M = "DK/Ref/Missing in error"
.N = "Child age 0-5 years";

```

Indicator 2.7	Currently take medication for ADD/ADHD, age 2-17 years
Description	How many children currently have ADD/ADHD and take medication for this condition?
Survey Items Used	K2Q31A; K2Q31B; K2Q31D.
Denominator	Children age 2-17 years
Numerator	Currently have ADD/ADHD and are taking medication; currently have ADD/ADHD but are not taking medication; do not currently have ADD/ADHD
Notes for Data-Users	
<p>Indicator 2.7 is based on three questions asked for children between two and 17 years of age: whether parents were ever told by a health care provider that the child has ADD or ADHD (K2Q31A); whether the child currently has ADD or ADHD (K2Q31B); and whether the child is currently taking medication for ADD or ADHD (K2Q31D). The second and third questions were asked only if the response to the previous question was "Yes".</p> <p>Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified. 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>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind2_7_11 = .; if K2Q31D = 1 then ind2_7_11 =1; if K2Q31D = 0 then ind2_7_11 =2; if K2Q31B = 0 then ind2_7_11 =3; if K2Q31A = 0 then ind2_7_11 =3; if K2Q31A in (6,7,.M) or K2Q31B in (6,7,.M) or K2Q31D in (6,7,.M) then ind2_7_11 = .M; if AGEYR_CHILD <= 1 then ind2_7_11 = .L; label ind2_7_11 = " Indicator 2.7: How many children currently have ADD/ADHD and take medication for this condition?, age 2-17"; value adhdmed /*ind2_7_11*/ 1 = "Currently have condition and taking medication" 2 = "Currently have condition but not taking medication" 3 = "Does not currently have ADD or ADHD" .M = "DK/Ref/Missing in error" .L = "Skip: age less than 2 yrs"; </pre>	

Indicator 2.7a	Parent-rated severity of child's ADD/ADHD, age 2-17 years
Description	Would you describe [child name]'s ADD or ADHD as mild, moderate or severe?
Survey Items Used	K2Q31A; K2Q31B; K2Q31C
Denominator	Children age 2-17 years
Numerator	Do not currently have ADD/ADHD; currently have ADD/ADHD rated by parents as mild; currently have ADD/ADHD rated by parents as moderate or severe
Notes for Data-Users	
<p>Indicator 2.7a is based on three questions asked for children between two and 17 years of age: whether parents were ever told by a health care provider that the child has ADD or ADHD (K2Q31A); whether the child currently has ADD or ADHD (K2Q31B); and whether the parent would describe it as mild, moderate, or severe (K2Q31C). The second and third questions were asked only if parents responded "Yes" to the preceding question. ADD/ADHD is among the 16 health conditions parents are asked about in the NSCH.</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>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>ind2_7a_11 = .; if K2Q31A = 0 or K2Q31B = 0 then ind2_7a_11 = 1; if K2Q31C = 1 then ind2_7a_11 = 2; if K2Q31C = 2 then ind2_7a_11 = 3; if K2Q31C = 3 then ind2_7a_11 = 3; if K2Q31A in (6,7,.M) or K2Q31B in (6,7,.M) or K2Q31C in (6,7,.M) then ind2_7a_11 = .M; if AGEYR_CHILD <= 1 then ind2_7a_11 = .L; label ind2_7a_11 = "Indicator 2.7a: Severity of current ADHD or ADD"; value condsev_adhd /*ind2_7a_11*/ 1 = " Does not currently have ADD or ADHD" 2 = " Current ADHD, rated mild" 3 = " Current ADHD, rated moderate or severe" .M = "DK/Ref/Missing in error" .L = "Skip: age less than 2 yrs";</pre>	

Indicator 2.8	Prevalence of Autism, PDD or other ASD, age 2-17 years
Description	How many children currently have Autism, Asperger's Disorder, pervasive development disorder (PDD), or other autism spectrum disorder (ASD)?
Survey Items Used	K2Q35A; K2Q35B
Denominator	Children age 2-17 years
Numerator	Do not currently have autism/ASD; previously had autism/ASD, but not currently; currently have autism/ASD
Notes for Data-Users	
<p>Indicator 2.8 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 are grouped according to whether they have never had, ever had, or currently have autism or another autism spectrum disorder.</p> <p>Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified. Further, a response of "Yes" to having "ever been told" that a child has a specific health condition (e.g., K2Q35A = Yes) DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>ind2_8_11 = .; if K2Q35A = 0 then ind2_8_11 = 1; if K2Q35A = 1 and K2Q35B = 0 then ind2_8_11 = 2; if K2Q35A = 1 and K2Q35B = 1 then ind2_8_11 = 3; if K2Q35A in (6,7,.M) or K2Q35B in (6,7,.M) then ind2_8_11 = .M; if AGEYR_CHILD <=1 then ind2_8_11 = .L; label ind2_8_11 = "Indicator 2.8: How many children currently have autism or autism spectrum disorder, age 2-17"; value autism /*ind2_8_11*/ 1 = "Do not currently have" 2 = "Ever told, but not current" 3 = "Currently have autism" .M = "DK/Ref/Missing in error" .L = "Skip: age less than 2 yrs";</pre>	

Indicator 2.8a	Parent-rated severity of child's Autism, PDD or other ASD, age 2-17 years
Description	Would you describe [child name]'s Autism, PDD or other ASD as mild, moderate or severe?
Survey Items Used	K2Q35A; K2Q35B; K2Q35C
Denominator	Children age 2-17 years
Numerator	Do not currently have autism/ASD; currently have autism/ASD rated by parents as mild; currently have autism/ASD rated by parents as moderate; currently have autism/ASD rated by parents as severe
Notes for Data-Users	
<p>Indicator 2.8a uses parent responses to three questions asked for children between two and 17 years of age: whether parents were ever told by a health care provider that the child has autism, Asperger's disorder, pervasive developmental disorder, or other autism spectrum disorder (K2Q35A); whether the child currently has this condition (K2Q35B); and whether the parent would describe it as mild, moderate, or severe (K2Q35C). The second and third questions were asked only if parents responded "Yes" to the preceding question. Autism/ASD is among the 16 health conditions parents are asked about in the NSCH.</p> <p>Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified. Further, a response of "Yes" to having "ever been told" that a child has a specific health condition (e.g., K2Q35A = Yes) DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>ind2_8a_11 = .; if K2Q35A = 0 or K2Q35B = 0 then ind2_8a_11 = 1; if K2Q35C = 1 then ind2_8a_11 = 2; if K2Q35C = 2 then ind2_8a_11 = 3; if K2Q35C = 3 then ind2_8a_11 = 4; if K2Q35A in (6,7,.M) or K2Q35B in (6,7,.M) or K2Q35C in (6,7,.M) then ind2_8a_11 = .M; if AGEYR_CHILD <=1 then ind2_8a_11 = .L; label ind2_8a_11 = "Indicator 2.8a: Severity of current autism, age 2-17"; value autismsev /*ind2_8a_11*/ 1 = "Does not currently have autism" 2 = "Current autism, rated mild" 3 = "Current autism, rated moderate" 4 = "Current autism, rated severe" .M = "DK/Ref/Missing in error" .L = "Less than 2 years old";</pre>	

Indicator 2.9	Medication for ADHD, emotions, concentration or behavior, age 2-17 years
Description	How many children are taking medication for ADHD, emotions, concentration or behavioral issues?
Survey Items Used	K2Q31D; K4Q23; AGEYR_CHILD
Denominator	Children age 2-17 years
Numerator	Not taking medication for emotions/concentration/behavior; currently taking medication for emotions/concentration/behavior (including ADD/ADHD)
Notes for Data-Users	
<p>In order to include 2 to 17 year old children using medication for any emotional-behavioral condition, Indicator 2.9 combines responses to two questions: whether children with current ADD/ADHD are using medication (K2Q31D) and whether children not on medication for ADD/ADHD have taken medication for other emotional/behavioral/concentration issues within the previous 12 months (K4Q23). A "Yes" to either of these questions qualifies.</p> <p>Please note that in the NSCH all information about children's health conditions is based on parent recollection and is not independently verified.</p>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind2_9_11 = .; if K4Q23 in (6,7,.M) then ind2_9_11 = .M; if K4Q23 = 0 then ind2_9_11 = 0; if K4Q23 = 1 then ind2_9_11 = 1; if K2Q31D = 1 then ind2_9_11 = 1; if AGEYR_CHILD < 2 then ind2_9_11 = .L; label ind2_9_11 = "Indicator 2.9: Is child currently taking any meds for problems with emotions, concentration or behavior?, age 2-17"; value ADD_ADHD /*ind2_9_11*/ 0 = "No, not on meds for emotions etc." 1 = "Yes, on meds for emotions etc." .M = "DK/Ref/Missing in error" .L = "Skip: age less than 2 yrs"; </pre>	

Indicator 2.10	Prevalence of developmental delay, age 2-17 years
Description	How many children are 2-17 years currently have developmental delay?
Survey Items Used	K2Q36A; K2Q36B; AGEYR_CHILD
Denominator	Children age 2-17 years
Numerator	Do not have developmental delay; previously had developmental delay, but not currently; currently have developmental delay
Notes for Data-Users	
<p>Indicator 2.10 is derived from on responses to two questions: whether parents were ever told by a health care provider that the child has developmental delay (K2Q36A); and, if the response to the previous question is "Yes", whether the child currently has the condition (K2Q36B). Respondents are grouped according to whether they have never had, ever had, or currently have developmental delay. 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., K2Q36A = Yes) DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p>	
Revisions in 2011-2012	
<p>This item was changed slightly from the way it was asked in 2007. In 2011/12, the additional wording "that affects ability to learn" that was included in the 2007 NSCH wording was eliminated. Because of this wording change and the addition of cell phones in the 2011/12 NSCH sample, you should only compare these items with caution.</p>	
SAS Syntax and Annotation	
<pre>ind2_10_11 = .; if K2Q36A = 0 then ind2_10_11 = 1; if K2Q36A = 1 and K2Q36B = 0 then ind2_10_11 = 2; if K2Q36A = 1 and K2Q36B = 1 then ind2_10_11 = 3; if K2Q36A in (6,7,.M) or K2Q36B in (6,7,.M) then ind2_10_11 = .M; if AGEYR_CHILD < 2 then ind2_10_11 = .L; label ind2_10_11 = "ind2_10_11: Does [child] currently have any developmental delay? - age 2-17"; value devdelay /*ind2_10_11*/ 1 = "Do not currently have" 2 = "Ever told, but not current" 3 = "Currently have developmental delay" .M = "DK/Ref/Missing in error" .L = "Child less than 2 yrs";</pre>	

Indicator 2.10a	Parent-rated severity of child's developmental delay, age 2-17 years
Description	Would you describe [child name]'s Developmental Delay as mild, moderate or severe?
Survey Items Used	K2Q36A; K2Q36B; K2Q36C
Denominator	Children age 2-17 years
Numerator	Do not currently have developmental delay; currently have developmental delay rated by parents as mild; currently have developmental delay rated by parents as moderate; currently have developmental delay rated by parents as severe
Notes for Data-Users	
<p>Indicator 2.10a uses parent responses to three questions asked for children between two and 17 years of age: whether parents were ever told by a health care provider that the child has developmental delay (K2Q36A); whether the child currently has this condition (K2Q36B); and whether the parent would describe it as mild, moderate, or severe (K2Q36C). The second and third questions were asked only if parents responded "Yes" to the preceding question. Developmental delay is among the 18 health conditions parents are asked about in the NSCH.</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., K2Q36A = Yes) DOES NOT indicate whether the child currently has that particular condition and therefore should not be interpreted as current prevalence.</p>	
Revisions in 2011-2012	
<p>This item was changed slightly from the way it was asked in 2007. In 2011/12, the additional wording "that affects ability to learn" that was included in the 2007 NSCH wording was eliminated. Because of this wording change and the addition of cell phones in the 2011/12 NSCH sample, you should only compare these items with caution.</p>	
SAS Syntax and Annotation	
<pre>ind2_10a_11 = .; if K2Q36A = 0 or (K2Q36A = 1 and K2Q36B = 0) then ind2_10a_11 = 1; if K2Q36C = 1 then ind2_10a_11 = 2; if K2Q36C = 2 then ind2_10a_11 = 3; if K2Q36C = 3 then ind2_10a_11 = 4; if K2Q36A in (6,7,.M) or K2Q36B in (6,7,.M) or K2Q36C in (6,7,.M) then ind2_10a_11 = .M; if K2Q36A = .L then ind2_10a_11 = .L; label ind2_10a_11 = "ind2_10a_11: Severity of current developmental - age 2-17"; value devdelsev /*ind2_10a_11*/ 1 = "Does not currently have developmental delay" 2 = "Current developmental delay, rated mild" 3 = "Current developmental delay, rated moderate" 4 = "Current developmental delay, rated severe" .L = "Less than 2 years old" .M = "DK/Ref/Missing in error";</pre>	

Indicator 3.1	Health insurance status
Description	Does [child name] have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicaid?
Survey Items Used	K3Q01
Denominator	Children age 0-17 years
Numerator	Currently uninsured; Currently have health insurance coverage of some type
Notes for Data-Users	
Question K3Q01 defines health coverage as including "health insurance, prepaid plans such as HMOs, or government plans such as Medicaid."	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind3_1_11 = K3Q01; if ind3_1_11 in (6,7) then ind3_1_11 = .M; label ind3_1_11 = "Indicator 3.1: Does [S.C.] have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicaid?"; value insur /*ind3_1_11*/ 0 = "No" 1 = "Yes" .M = "DK/Ref"; </pre>	

Indicator 3.2	Consistency of insurance coverage
Description	How many children had consistent health insurance coverage during the past 12 months?
Survey Items Used	K3Q01; K3Q03
Denominator	Children age 0-17 years
Numerator	Have had continuous health insurance coverage for at least one year; Currently uninsured or periods with no health insurance
Notes for Data-Users	
Indicator 3.2 combines responses to whether the child currently has health insurance coverage (K3Q01) and whether currently insured children have had periods with no insurance (K3Q03), to determine how many children have had continuous coverage for at least one year and how many were uninsured at the time of the survey or at some time within the previous 12 months.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind3_2_11 = .; if K3Q03 in (6,7,.M) or K3Q01 in (6,7) then ind3_2_11 = .M; if K3Q01 = 0 or K3Q03 = 1 then ind3_2_11 = 2; if K3Q03 = 0 then ind3_2_11 = 1; label ind3_2_11 = "Indicator 3.2: During the past 12 months/ Since [his/her] birth], was there any time when [he/she] was not covered by ANY health insurance?"; value cons_ins /*ind3_2_11*/ 1 = "Consistently insured during past year" 2 = "Currently uninsured or periods of no coverage during year" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 3.3	Type of health insurance
Description	What type of health insurance coverage, if any, did [child name] have at the time of the survey?
Survey Items Used	K3Q01;K3Q02 (called INSTYPE in the public use data set)
Denominator	Children age 0-17 years
Numerator	Public insurance; Private insurance; Currently uninsured
Notes for Data-Users	
<p>Indicator 3.3 is derived from two questions: whether the child is currently insured (K3Q01); and whether currently insured children have public coverage (K3Q02). Question K3Q01 defines health insurance as including "health insurance, prepaid plans such as HMOs, or government plans such as Medicaid." In K3Q02 public insurance is defined as "Medicaid or the State Children's Health Insurance Program, S-CHIP" and names the Medicaid and/or SCHIP programs for the state the child resides in. Children who are insured but do not have public insurance are coded as having private insurance coverage.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.</p>	
SAS Syntax and Annotation	
<pre>ind3_3_11 = .; if K3Q01 in (1,6,7) and K3Q02 = 1 then ind3_3_11 = 1; if K3Q01 = 1 and K3Q02 = 0 then ind3_3_11 = 2; if K3Q01 = 0 then ind3_3_11 = 3; else if ind3_3_11 not in (1,2,3) then ind3_3_11 = .M; label ind3_3_11 = "Indicator 3.3: Type of insurance coverage"; value type /*ind3_3_11*/ 1 = "Public insurance such as Medicaid or SCHIP" 2 = "Private health insurance" 3 = "Currently uninsured" .M = "DK/Ref/Missing in error";</pre>	

Indicator 3.4	Adequacy of current insurance
Description	Is [child name]'s current insurance coverage adequate to meet [his/her] needs?
Survey Items Used	K3Q20; K3Q22; K3Q21A; K3Q21B; K3Q01
Denominator	Children age 0-17 years with current insurance coverage
Numerator	Current insurance is usually or always adequate for child's needs; Current insurance is NOT usually or always adequate for child's needs
Notes for Data-Users	
<p>Five questions were used to create Indicator 3.4: current health insurance coverage (K3Q01); whether coverage is sufficient to meet the child's needs (K3Q20); whether the family pays some health care costs out of pocket (K3Q21A) and how often are these costs reasonable (K3Q21B); and whether insurance allows the child to see needed health care providers (K3Q22).</p> <p>Adequate insurance is defined by these 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.</p>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> benefits_11 = K3Q20; if benefits_11 in (6,7,.M,.L) then benefits_11 = .M; if K3Q01 = 0 then benefits_11 = .L; label benefits_11 = "Current insurance coverage meets child's health needs"; allows_11 = K3Q22; if allows_11 in (6,7,.M,.L) then allows_11 = .M; if K3Q01 = 0 then allows_11 = .L; label allows_11 = "Current insurance coverage allows child to see needed provider"; expense_11 = K3Q21B; if K3Q21A = 0 then expense_11 = 5; if expense_11 in (6,7,.M,.L) then expense_11 = .M; if K3Q01 = 0 then expense_11 = .L; label expense_11 = "Current insurance coverage has reasonable out of pocket costs"; ind3_4_11 = .; if benefits_11 in (3,4,.M) and allows_11 in (3,4,.M) and expense_11 in (3,4,5,.M) then ind3_4_11 = 1; if benefits_11 in (1,2) or allows_11 in (1,2) or expense_11 in (1,2) then ind3_4_11 = 2; if benefits_11 = .M and allows_11 = .M and expense_11 = .M then ind3_4_11 = .M; if K3Q01 = 0 then ind3_4_11 = .L; </pre>	

```
label ind3_4_11 = "Indicator 3.4: Adequacy of child's current health insurance coverage";
```

```
value nsua /*benefits_11, allows_11*/
```

```
1 = "Never"
```

```
2 = "Sometimes"
```

```
3 = "Usually"
```

```
4 = "Always"
```

```
.M = "DK/Ref/Missing in error/System missing"
```

```
.L = "Uninsured";
```

```
value nsuao /*expense_11*/
```

```
1 = "Never"
```

```
2 = "Sometimes"
```

```
3 = "Usually"
```

```
4 = "Always"
```

```
5 = "No Out of Pocket Costs"
```

```
.M = "DK/Ref/Missing in error/System missing"
```

```
.L = "Uninsured";
```

```
value adequate /*ind3_4_11*/
```

```
1 = "Current insurance adequate for child's needs"
```

```
2 = "Current insurance NOT adequate for child's needs"
```

```
.M = "DK/Ref/Missing to all"
```

```
.L = "Legit skip: Uninsured";
```

Indicator 4.1	One or more preventive medical visits
Description	During the past 12 months/since [his/her] birth, how many times did [child name] see a doctor, nurse, or other health care provider for preventive medical care such as a physical exam or well-child checkup?
Survey Items Used	K4Q20R; S4Q01
Denominator	Children age 0-17 years
Numerator	No preventive medical visits during past 12 months; one or more preventive medical visits
Notes for Data-Users	
Indicator 4.1 groups responses to K4Q20 by whether or not the child had any visits for preventive medical care during the past 12 months.	
Revisions in 2011-2012	
This indicator has changed over the three iterations of the survey. 2003 Indicator 4.1 was constructed from two questions: did the child have a preventive medical visit, and how many times did they see a doctor. In 2007 these questions were combined into one. In 2011/12 there were again two items. In 2011/12 the first item asked if child had any type of medical care (S4Q01) before being asked about preventive medical care (K4Q20R). Take these changes into consideration when attempting to compare across survey years.	
SAS Syntax and Annotation	
<pre> /*NOTE: There is a filter question of whether a child had ANY visits in the past 12 months (with any type of provider)*/ ind4_1_11 = .; if K4Q20R > 0 then ind4_1_11 = 1; if K4Q20R = 0 then ind4_1_11 = 0; if S4Q01 = 0 then ind4_1_11 = 0; if K4Q20R in (96,97,.M) then ind4_1_11 = .M; if S4Q01 in (6,7) then ind4_1_11 = .M; label ind4_1_11 = "Indicator 4.1: Children with one or more preventive medical visits in past 12 months"; value prev_med /*ind4_1_11*/ 0 = "No preventive visits" 1 = "1 or more visits" .M = "DK/Ref/Missing in error to both"; </pre>	

Indicator 4.1a	Receipt of any type of medical care
Description	During the past 12 months/since [his/her] birth, did [child name] see a doctor, nurse, or other health care professional for any kind of medical care, including sick-child care, well-child check-ups, physical exams, and hospitalizations?
Survey Items Used	S4Q01
Denominator	Children age 0-17 years
Numerator	Yes, saw a doctor, nurse, or other health care professional for any kind of medical care in the past 12 months; No, 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	
N/A	
Revisions in 2011-2012	
This item was not in the 2007 NSCH but was in the 2003 NSCH.	
SAS Syntax and Annotation	
<pre> ind4_1a_11 = S4Q01; if S4Q01 in (6,7,.M) then ind4_1a_11 = .M; label ind4_1a_11 = "Indicator 4.1a: Child received ANY kind of medical care in past 12 months"; value anymed /*ind4_1a_11*/ 0 = "Did NOT receive ANY medical care" 1 = "Received medical care" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 4.2	One or more preventive dental care visits, age 1-17 years
Description	During the past 12 months/since [his/her] birth, how many times did [child name] see a dentist for preventive dental care such as check-ups and dental cleanings?
Survey Items Used	K4Q21R; K4Q30; AGEYR_CHILD
Denominator	Children age 1-17 years
Numerator	No preventive dental visits during the past 12 months; one or more preventive dental visits
Notes for Data-Users	
Indicator 4.2 groups responses to K4Q21R by whether or not the child had any visits for preventive dental care during the past 12 months. Children younger than one year of age are not included in this measure.	
Revisions in 2011-2012	
Indicator 4.2 groups responses to K4Q21R by whether or not the child had any visits for preventive dental care during the past 12 months. Children younger than one year of age are not included in this measure. In 2011/12 a filter item was added before K4Q21R which asked if child had *any* dental visits in the past year, followed by whether that was preventive care. Take this change into consideration when attempting to compare 2001/12 results with 2007.	
SAS Syntax and Annotation	
<pre> /*NOTE: There is a filter question of whether a child had ANY visits in the past 12 months (with any type of provider).*/ ind4_2_11 = .; if K4Q21R > 0 then ind4_2_11 = 1; if K4Q21R = 0 then ind4_2_11 = 0; IF K4Q30 = 0 then ind4_2_11 = 0; if K4Q21R in (96,97, .M) then ind4_2_11 = .M; IF K4Q30 in (6,7) then ind4_2_11 = .M; if AGEYR_CHILD < 1 then ind4_2_11 = .L; label ind4_2_11 = "Indicator 4.2: Children received one or more routine preventive dental care, such as check-ups or dental screenings in past 12 months – ages 1-17"; value prev_dent /*ind4_2_11*/ 0 = "No preventive dental visits" 1 = "1 or more dental preventive visits" .M = "DK/Ref/Missing in error to both" .L= "Less than 1 year old"; </pre>	

Indicator 4.2a	Receipt of any type of dental care
Description	During the past 12 months/since [his/her] birth, did [child name] see a dentist for any kind of dental care, including check-ups, dental cleanings, x-rays, or filling cavities?
Survey Items Used	K4Q30
Denominator	Children age 0-17 years
Numerator	Yes, saw a dentist for any kind of dental care, including check-ups, dental cleanings, x-rays, or filling cavities in the past 12 months; No, did not see a dentist for any kind of dental care, including check-ups, dental cleanings, x-rays, or filling cavity
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind4_2a_11 = .; if K4Q30 = 1 then ind4_2a_11 = 1; if K4Q30 = 0 then ind4_2a_11 = 0; if K4Q30 in (6,7,.M) then ind4_2a_11 = .M; if AGEYR_CHILD < 1 then ind4_2a_11 = .L; label ind4_2a_11 = "Indicator 4.2a: Children received ANY kind of dental care in past 12 months"; value anydent /*ind4_2a_11*/ 0 = "Did NOT receive ANY dental care" 1 = "Received dental care" .M = "DK/Ref/Missing in error" .L = "Less than 1 year old"; </pre>	

Indicator 4.3	Received both preventive medical and dental care
Description	During the past 12 months, did [child name] receive both routine preventive medical and dental care visits?
Survey Items Used	K4Q20R; K4Q21R; AGEYR_CHILD
Denominator	Children age 0-17 years
Numerator	Did not receive both medical and dental preventive care visits; Received both medical and dental preventive care visits
Notes for Data-Users	
Indicator 4.3 is a composite of the previous two indicators. 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 2011-2012	
This indicator has evolved over the three iterations of the survey. Wording and construction of the questions used for Indicator 4.3 were made in the 2007 survey compared to the 2003 NSCH. Additional changes were made to the way these questions were asked in 2011/12 by the introduction of a question prior to both items asking if any preventive medical care (S4Q01) was received prior to the preventive care item (K4Q20) and the addition of an "any dental service" item (K4Q30) prior to the preventive dental item (K4Q21). Because of these changes and the inclusion of cell phones in the 2011/12 NSCH sampling please use caution when comparing these items.	
SAS Syntax and Annotation	
<pre> ind4_3_11 = .; if ind4_1_11 = 1 and ind4_2_11 = 1 then ind4_3_11 = 1; if ind4_1_11 = 1 and ind4_2_11 = .L then ind4_3_11 = 1; if ind4_1_11 = 1 and ind4_2_11 = 0 then ind4_3_11 = 0; if ind4_1_11 = 1 and ind4_2_11 = .M then ind4_3_11 = .M; if ind4_1_11 = 0 and ind4_2_11 = 0 then ind4_3_11 = 0; if ind4_1_11 = 0 and ind4_2_11 = 1 then ind4_3_11 = 0; if ind4_1_11 = 0 and ind4_2_11 = .L then ind4_3_11 = 0; if ind4_1_11 = 0 and ind4_2_11 = .M then ind4_3_11 = .M; if ind4_1_11 = .M then ind4_3_11 = .M; if ind4_1_11 = .M and ind4_2_11 = .L then ind4_3_11 = .M; label ind4_3_11 = "Indicator 4.3: How many children received BOTH routine preventive medical AND dental care visits in the past 12 months? (ages 0-17)"; value med_dent /*ind4_3_11*/ 0 = "Did NOT receive both medical and dental preventive care" 1 = "Received BOTH medical and dental preventive care" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 4.4	Home visiting program, age 0-3 years
Description	How many children, or their parent, received a home visit between pregnancy and the time the child was 3 years old?
Survey Items Used	K4Q35; AGEYR_CHILD
Denominator	Children age 0-3 years
Numerator	Did not receive any home visits; Received one or more home visits
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind4_4_11 = .; if K4Q35 = 1 then ind4_4_11 = 1; if K4Q35 = 0 then ind4_4_11 = 0; if K4Q35 in (6,7,.M,.L) then ind4_4_11 = .M; if AGEYR_CHILD > 3 then ind4_4_11 = .L; label ind4_4_11 = "Indicator 4.4: Family participated in home visitation program"; value homevis /*ind4_4_11*/ 0 = "Family did NOT participate in home visitation program" 1 = "Family participated in home visitation program" .M = "DK/Ref/Missing in error" .L = "Child is 4-17 years old"; </pre>	

Indicator 4.5	Received needed mental health care, age 2-17 years
Description	Receipt of needed mental health treatment or counseling in the past 12 months
Survey Items Used	K2Q22; K4Q22; AGEYR_CHILD
Denominator	Children age 2-17 years who needed mental health treatment/counseling
Numerator	Did not get mental health treatment or counseling; saw a mental health professional for treatment or counseling
Notes for Data-Users	
<p>Indicator 4.5 is based on two questions. The denominator is composed of all children age 2-17 who have emotional, developmental, or behavioral problems for which they need treatment or counseling (K2Q22). These children are grouped according to whether or not they received treatment from a mental health professional during the past 12 months (K4Q22).</p>	
Revisions in 2011-2012	
<p>This indicator is the same as 2007 but not 2003. Significant changes were made to the denominator, question, and introduction for indicator 4.5 in the 2007 survey. In 2007 and 2011/12 the age range was restricted to children age 2-17 years. Take the inclusion of cell phones in the sample in 2011/12 into consideration when attempting to compare results across years.</p>	
SAS Syntax and Annotation	
<pre>/*Denominator note: children age 2-17 who needed mental health care/counseling*/ ind4_5_11 = .; if K2Q22 = 1 and K4Q22 = 1 then ind4_5_11 = 2; if K2Q22 = 1 and K4Q22 = 0 then ind4_5_11 = 1; if K2Q22 in (6,7,.M) or K4Q22 in (6,7,.M)then ind4_5_11 = .M; if K2Q22 = 0 then ind4_5_11 = .L; if AGEYR_CHILD < 2 then ind4_5_11 = .N; label ind4_5_11 = "Indicator 4.5: How many children/youth (ages 2-17) with current emotional, developmental or behavioral problems requiring treatment or counseling received some type of mental health care during the past 12 months?"; value mentcare /*ind4_5_11*/ 1 = "Needed and DID NOT get any mental health tx/counseling" 2 = "Needed and received mental health tx or counseling" .M = "DK/Ref/Missing in error to both" .L = "No condition needing mental health counseling" .N = "Children less than 2 years";</pre>	

Indicator 4.6	One or more unmet needs for care
Description	During the past 12 months, was there any time when [child name] needed health care but it was delayed or not received? Was it medical care, dental care, vision care, mental health services, or something else?
Survey Items Used	K4Q27; K4Q28X01; K4Q28X02; K4Q28X03; K4Q28X04; K4Q28X05
Denominator	Children age 0-17 years
Numerator	No unmet needs; unmet needs for one or more types of health care
Notes for Data-Users	
<p>The 2011/12 NSCH approaches the question of health care needs that have been delayed or not met during the previous year (K4Q27) by grouping unmet needs according to type of health care: medical (K4Q28X01), dental (K4Q28X02), vision care (K4Q28X03), mental health (K4Q28X04), or other (K4Q28X05). Indicator 4.6a counts the number of children who had unmet needs of any of the five types.</p>	
Revisions in 2011-2012	
<p>In 2011/12 an additional item was added to the list of possible care not received, vision care. Take these issues into consideration when attempting to compare across survey years.</p>	
SAS Syntax and Annotation	
<pre> unmet_med_11 = K4Q28X01; if K4Q28X01 in (6,7,.M) then unmet_med_11 = .M; label unmet_med_11 = "Unmet need for medical care"; unmet_dent_11 = K4Q28X02; if K4Q28X02 in (6,7,.M) then unmet_dent_11 = .M; label unmet_dent_11 = "Unmet need for dental care"; unmet_vis_11 = K4Q28X03; if K4Q28X03 in (6,7,.M) then unmet_vis_11 = .M; label unmet_vis_11 = "Unmet need for vision health care"; unmet_mh_11 = K4Q28X04; if K4Q28X04 in (6,7,.M) then unmet_mh_11 = .M; label unmet_mh_11 = "Unmet need for mental health care"; unmet_other_11 = K4Q28X05; if K4Q28X05 in (6,7,.M) then unmet_other_11 = .M; label unmet_other_11 = "Unmet need for other types of care"; unmet_needs = 1; if unmet_med_11 = 1 then unmet_needs + 1; if unmet_dent_11 = 1 then unmet_needs + 1; if unmet_vis_11 = 1 then unmet_needs + 1; </pre>	

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if unmet_mh_11 = 1 then unmet_needs + 1;
if unmet_other_11 = 1 then unmet_needs + 1;
label unmet_needs = "Number of unmet needs";

ind4_6_11 = .;
if unmet_needs >= 1 then ind4_6_11 = 1;
if K4Q27 = 0 then ind4_6_11 = 0;
if K4Q27 in (6,7,.M) then ind4_6_11 = .M;
if unmet_med_11 = .M and unmet_dent_11 = .M and unmet_vis_11 = .M and unmet_mh_11 = .M and
unmet_other_11 = .M then ind4_6_11 = .M;
label ind4_6_11 = "Indicator 4.6: One or more unmet health needs, delayed or not received";

value unmet /*ind4_6_11*/
0 = "No unmet health needs"
1 = "Unmet need for one or more type"
.M = "DK/Ref/Missing in error to all";

```

Indicator 4.7	Receipt of vision screening
Description	Has [child name] ever/During the past 2 years has [child name] had (his/her) vision tested with pictures, shapes, or letters?
Survey Items Used	K4Q31
Denominator	Children age 0-17 years
Numerator	Yes, child has had [his/her] vision tested with pictures, shapes, or letters; No, child has not had [his/her] vision tested with pictures, shapes, or letters
Notes for Data-Users	
For children age 0-5 years, this question reads, "Has [SC] ever had (his/her) vision tested with pictures, shapes, or letters?", for children age 6-17 years, it reads, "During the past 2 years, that is, since [FILL DATE], has [SC] had (his/her) vision tested with pictures, shapes, or letters?"	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind4_7_11 = K4Q31; if K4Q31 in (6,7,.M) then ind4_7_11 = .M; label ind4_7_11 = "Indicator 4.7: Child has had vision tested (ever for children 0-4 years, in past 2 years for children 5-17 years)"; value visiontest /*ind4_7_11*/ 0 = "Child has NOT had vision tested" 1 = "Child has had vision tested" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 4.8	Children who receive coordinated, ongoing, comprehensive care within a medical home
Description	Children whose care is provided within a medical home
Survey Items Used	K4Q01; K4Q02R; K4Q04; K4Q22; K4Q24; K5Q10; K5Q11; K5Q20; K5Q21; K5Q22; K5Q30; K5Q31; K5Q32; K5Q40; K5Q41; K5Q42; K5Q43; K5Q44
Denominator	Children age 0-17 years
Numerator	Children whose health care does not meet Medical Home criteria; Children whose health care meets Medical Home criteria
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. Ideally, medical home care is delivered within the context of a trusting and collaborative relationship between the child's family and a competent health professional who is familiar with the child and family and the child's health history.</p> <p>For the 2011/12 NSCH, presence of a medical home is measured by a composite based on five component variables constructed from a total of 19 survey items. These component indicators are:</p> <p>Indicator 4.9: Personal doctor or nurse (pdn) Indicator 4.9a: Usual source for sick and well care (usual) Indicator 4.9b: Family-centered care (famcent) Indicator 4.9c: Problems getting needed referrals (norefprob) Indicator 4.9d: Effective Care Coordination when needed (carecoor)</p> <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. Any children who needed referrals or care coordination must also meet criteria for those components in order to qualify as having a medical home.</p> <p>Further information about Medical Home concept and measurement is available on the DRC medical home portal www.childhealthdata.org/browse/medicalhome, and on the http://www.aap.org/healthtopics/medicalhome.cfm AAP Medical Home web page.</p>	
Revisions in 2011-2012	
<p>One minor revision was undertaken between the 2007 and 2011/12 NSCH. An item assessing whether or not the child or child's family required an interpreter and whether or not the interpreter was usually or always provided was dropped from the survey due to low numbers endorsing this item, particularly outside the state of California.</p>	
SAS Syntax and Annotation	
<p>**** This variable constructs NUMB_SERVICES. This variable counts the number/type of services used by a child during the past 12 months. The variables include--preventive medical visits, preventive dental visits, saw a mental health professional, saw a specialist for care, or needed to see a specialist. The variable is a simple count of the use of each of these five services. Children may range from 0 to 5 in their use.</p>	

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/****Personal doctor or nurse (pdn_11) Component****/

/*PERSONAL DOCTOR or NURSE sub-component of MEDICAL HOME composite measure*/

pdn_11= .;
if K4Q04 in (1,2) then pdn_11 = 1;
else if K4Q04 = 3 then pdn_11 = 0;
else if K4Q04 in (6,7,.M) then pdn_11 = .M;
label pdn_11 = "Personal Doctor or Nurse sub-component of MEDICAL HOME composite measure";

/****Family Centered Care Component****/

/*FAMILY-CENTERED CARE sub-component of MEDICAL HOME composite measure*/

time_11= .;
if K5Q40 in (6,7,.M) then time_11 = .M;
else if K5Q40 = .L then time_11 = 2;
else if K5Q40 = 1 or K5Q40 = 2 then time_11 = 0;
else if K5Q40 = 3 or K5Q40 = 4 then time_11 = 1;
label time_11 = "How often doctor spends enough time";

listen_11= .;
if K5Q41 in (6,7,.M) then listen_11 = .M;
else if K5Q41 = .L then listen_11 = 2;
else if K5Q41 = 1 or K5Q41 = 2 then listen_11 = 0;
else if K5Q41 = 3 or K5Q41 = 4 then listen_11 = 1;
label listen_11 = "How often doctor listens carefully";

sensitiv_11= .;
if K5Q42 in (6,7,.M) then sensitiv_11 = .M;
else if K5Q42 = .L then sensitiv_11 = 2;
else if K5Q42 = 1 or K5Q42 = 2 then sensitiv_11 = 0;
else if K5Q42 = 3 or K5Q42 = 4 then sensitiv_11 = 1;
label sensitiv_11 = "How often doctor sensitive to family values and customs";

info_11= .;
if K5Q43 in (6,7,.M) then info_11 = .M;
else if K5Q43 = .L then info_11 = 2;
else if K5Q43 = 1 or K5Q43 = 2 then info_11 = 0;
else if K5Q43 = 3 or K5Q43 = 4 then info_11 = 1;
label info_11 = "How often doctor provides needed information";

partner_11= .;
if K5Q44 in (6,7,.M) then partner_11 = .M;
else if K5Q44 = .L then partner_11 = 2;
else if K5Q44 = 1 or K5Q44 = 2 then partner_11 = 0;
else if K5Q44 = 3 or K5Q44 = 4 then partner_11 = 1;
label partner_11 = "How often doctor makes parent feel like partner in child's care";

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```

famcent_11 = .;
if time_11 = .M or listen_11 = .M or sensitiv_11 = .M or info_11 = .M or partner_11 = .M then famcent_11 =
.M;
else if time_11 = 2 then famcent_11 = 2;
else if time_11 in (1,2) and listen_11 in (1,2) and sensitiv_11 in (1,2) and info_11 in (1,2) and
partner_11 in (1,2) then famcent_11 = 1;
else if time_11 = 0 or listen_11 = 0 or sensitiv_11 = 0 or info_11 = 0 or partner_11 = 0 then famcent_11 = 0;
label famcent_11 = "Family-centered care sub-component of MEDICAL HOME measure";

/*****Comprehensive Care Component*****/

/*GETTING NEEDED REFERRALS sub-component of MEDICAL HOME composite measure*/
norefprb_11 = .;
if K5Q10 = 0 then norefprb_11 = 2;
else if K5Q10 in (6,7,.M) then norefprb_11 = .M;
else if K5Q11 in (1,2) then norefprb_11 = 0;
else if K5Q11 = 3 then norefprb_11 = 1;
else if K5Q11 in (6,7,.M) then norefprb_11 = .M;
label norefprb_11 = "Getting Needed Referrals sub-component of MEDICAL HOME composite measure";

/*USUAL SOURCES FOR SICK AND WELL CARE sub-component of MEDICAL HOME composite
measure*/
usuals_11 = .;
if K4Q01 in (1,2) and K4Q02 in (1,3,4,5,6,7,9,11,12,13) then usuals_11 = 1;
else if K4Q01 = 0 or K4Q02 in (2,8,10) then usuals_11 = 0;
else if K4Q01 in (6,7,.M) or K4Q02 in (.M,96,97) then usuals_11 = .M;
label usuals_11 = "Usual Sources for Sick and Well Care sub-component of MEDICAL HOME composite
measure";

/*****Coordinated Care Component*****/

/*EFFECTIVE CARE COORDINATION sub-component of MEDICAL HOME composite measure*/

K4Q22R_11 = K4Q22;
if K4Q22 in (6,7,.M) then K4Q22R_11 = .M;
if K4Q22 = .L then K4Q22R_11 = .L;
label K4Q22R_11 = "Received counseling or tx from mental hlth professional, last 12 mos";

if K4Q22 = 1 or K4Q24 = 1 then need_drcomm_11 = 1;
else if K4Q22 = 0 or K4Q24 = 0 then need_drcomm_11 = 0;
else need_drcomm_11 = .M;
label need_drcomm_11 = "Needed doctor communication - Received mental health and/or specialist care
during past 12 months";

K5Q30R_11 = K5Q30;
if K5Q30 in (6,7,.M) then K5Q30R_11 = .M;
label K5Q30R_11 = "Satisfaction with dr-to-dr communication";

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```

drcomm_11 = .;
if need_drcomm_11 = 0 then drcomm_11 = 2;
else if need_drcomm_11 = .M then drcomm_11 = .M;
else if K5Q30 = 1 then drcomm_11 = 1;
else if K5Q30 in (2,3,4) then drcomm_11 = 0;
else if K5Q30 = 5 then drcomm_11 = 2;
else if K5Q30 in (6,7,.M) then drcomm_11 = .M;
else if K5Q30 = .L then drcomm_11 = 2;
label drcomm_11 = "Level of satisfaction with doctor to doctor communication";

K5Q31R_11 = K5Q31;
if K5Q31 in (6,7,.M) then K5Q31R_11 = .M;
if K5Q31 = .L then K5Q31R_11 = .L;
label K5Q31R_11 = "Needed doctor communication w/ school or other services"

othcomm_11 = .;
if K5Q31 = 0 then othcomm_11 = 2;
else if K5Q31 in (6,7,.M) then othcomm_11 = .M;
else if K5Q32 = 1 then othcomm_11 = 1;
else if K5Q32 in (2,3,4) then othcomm_11 = 0;
else if K5Q32 = 5 then othcomm_11 = 2;
else if K5Q32 in (6,7,.M) then othcomm_11 = .M;
else if K5Q32 = .L then othcomm_11 = 2;
label othcomm_11 = "Level of satisfaction with dr communication w/ school or other services";

K5Q20R_11 = K5Q20;
if K5Q20 in (6,7,.M) then K5Q20R_11 = .M;
if K5Q20 = .L then K5Q20R_11 = .L;
label K5Q20R_11 = "Does anyone help to arrange or coordinate child's health care";

K5Q21R_11 = K5Q21;
if K5Q21 in (6,7,.M) then K5Q21R_11 = .M;
if K5Q21 = .L then K5Q21R_11 = .L;
label K5Q21R_11 = "Could use extra help to arrange/coordinate child's health care"

carehelp_11 = .;
if K5Q20 = .L then carehelp_11 = 2;
else if K5Q20 = .M then carehelp_11 = .M;
else if K5Q20 = 0 and K5Q21 = 0 then carehelp_11 = 2;
else if K5Q20 in (6,7) and K5Q21 = 0 then carehelp_11 = .M;
else if K5Q21 in (6,7,.M) then carehelp_11 = .M;
else if K5Q22 in (6,7,.M) then carehelp_11 = .M;
else if K5Q20 = 1 and K5Q21 = 0 then carehelp_11 = 1;
else if K5Q22 = 3 then carehelp_11 = 1;
else if K5Q22 in (1,2) then carehelp_11 = 0;
label carehelp_11 = "Gets help with care coordination when needed";

carecoor_11 = .;

```

```

if carehelp_11 = .M or drcomm_11 = .M or othcomm_11 = .M then carecoor_11 = .M;
else if carehelp_11 = 2 and drcomm_11 = 2 and othcomm_11 = 2 then carecoor_11 = 2;
else if carehelp_11 in (1,2) and drcomm_11 in (1,2) and othcomm_11 in (1,2) then carecoor_11 = 1;
else if carehelp_11 = 0 or drcomm_11 = 0 or othcomm_11 = 0 then carecoor_11 = 0;
label carecoor_11 = "Effective Care Coordination sub-component of MEDICAL HOME composite measure";

/*****MEDICAL HOME COMPOSITE MEASURE*****/

ind4_8_11 = .;
if pdn_11 = 1 and usuals_11 = 1 and norefprb_11 in (1,2) and famcent_11 in (1,2) and carecoor_11 in (1,2)
then ind4_8_11 = 1;
if pdn_11 = 0 or usuals_11 = 0 or norefprb_11 = 0 or famcent_11 = 0 or carecoor_11 = 0 then ind4_8_11 = 0;
if pdn_11 = .M or usuals_11 = .M or famcent_11 = .M or norefprb_11 = .M or carecoor_11 = .M then
ind4_8_11 = .M;
label ind4_8_11 = "Indicator 4.8: % Children (age 0-17) receiving coordinated, ongoing, comprehensive care
within a medical home";

value medhome /*ind4_8_11 mh_comp*/
0 = "Care DOES NOT meet medical home criteria"
1 = "Care MEETS medical home criteria"
.M = "DK/Ref/Missing in error to any";

value pdn_yn /*pdn_11*/
0 = "Do not have a personal dr or nurse"
1 = "Yes, has at least one personal dr or nurse"
.M = "DK/Ref/Missing in error";

value fcc /*time_11 listen_11 sensitiv_11 info_11 partner_11*/
0 = "Sometimes/never"
1 = "Always/usually"
2 = "Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos"
.M = "DK/Ref/Missing in error";

value famcent_care /*famcent_11*/
0 = "Does not have FCC"
1 = "Yes, has FCC"
2 = "Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos"
.M = "DK/Ref/Missing in error";

value norerefb /*norefprb_11*/
0 = "Big or small problem getting referral, when needed"
1 = "No problems getting referral, when needed"
2 = "Legitimate skip b/c referrals are not needed"
.M = "DK/Ref/Missing";

value usual /*usuals_11*/
0 = "Child does not have usual sources for sick care"
1 = "Child DOES have usual sources for sick care"
.M = "DK/Ref/Missing in error";

```

value mentalx /*K4Q22R_11*/

0 = "No"

1 = "Yes"

.M = "DK/Ref/Missing in error"

.L = "Less than 2 yrs old or";

value medhome_yn /*K5Q31R_11*/

0 = "No"

1 = "Yes"

.M = "DK/Ref/Missing in error"

.L = "Used 0 of 4 services, past 12 mos";

value medhome_ny /*K5Q20R_11 K5Q21R_11*/

0 = "No"

1 = "Yes"

.M = "DK/Ref/Missing in error"

.L = " Used less than 2 required services, past 12 mos";

value need_drcom /*need_drcomm_11*/

0 = "Did not use services for dr comm denominator"

1 = "Used 1 or both services for dr comm denominator"

.M = "DK/Ref/Missing in error to both services";

value sat /*K5Q30R_11*/

1 = "Very satisfied"

2 = "Somewhat satisfied"

3 = "Somewhat dissatisfied"

4 = "Very dissatisfied"

5 = "No communication needed or wanted"

.M = "DK/Ref/Missing in error"

.L = "Used less than 2 of 4 services, past 12 mos";

value drsatis /*drcomm_11*/

0 = "Less than very satisfied"

1 = "Very satisfied"

2 = "Legit skip -- no comm needed or did not use required services"

.M = "DK/Ref/Missing to both needed services or satis w/ dr comm";

value othcom /*othcomm_11*/

0 = "Less than very satisfied"

1 = "Very satisfied"

2 = "Legit skip -- no comm needed or did not use required services"

.M = "DK/Ref to either item";

value carehlp /*carehelp_11*/

0 = "Needed extra help/did not get it"

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

```
2 = "Legit skip -- used <2 required services or does not get or need extra help"  
.M = "DK/Ref/Missing to any";  
  
value care_coor /*carecoor_11*/  
0 = "Did not meet 1 or more needed elements of care coor"  
1 = "Met all needed components of care coor or legitimate skip"  
2 = "Legit skip -- no one helps with care coor or >2 services used past 12 mos"  
.M = "DK/Ref/Missing to any";
```

Indicator 4.9	Medical Home Component: Personal doctor or nurse
Description	How many children have one or more person(s) that they consider to be a personal doctor or nurse (PDN)?
Survey Items Used	K4Q04
Denominator	Children age 0-17 years
Numerator	Children with one or more health professionals considered by parents to be their child's personal doctor or nurse; Children without a personal doctor or nurse
Notes for Data-Users	
<p>Indicator 4.9 is derived directly from K4Q04. It is one of the five components of the composite Medical Home measure. Children who do not have a personal doctor or nurse (PDN) cannot qualify as having a Medical Home regardless of their status the other four components.</p> <p>A child's "personal doctor or nurse" (PDN) could be one or more health care professionals. A health care professional is defined as a general doctor, pediatrician, specialist doctor, nurse practitioner, or physician's assistant.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.</p>	
SAS Syntax and Annotation	
<pre>ind4_9_11= .; if K4Q04 in (1,2) then ind4_9_11 = 1; else if K4Q04 = 3 then ind4_9_11 = 0; else if K4Q04 in (6,7,.M) then ind4_9_11 = .M; label ind4_9_11 = "Indicator 4.9: Personal Doctor or Nurse sub-component of MEDICAL HOME composite measure"; value persdoc_yn /* ind4_9_11*/ 0 = "Does not have a personal dr or nurse" 1 = "Yes, has at least one personal dr or nurse" .M = "DK/Ref/Missing in error";</pre>	

Indicator 4.9a	Medical Home Component: Usual source of sick care
Description	How many children have a usual place for care when they are sick or they need advice?
Survey Items Used	K4Q01; K4Q02
Denominator	Children age 0-17 years
Numerator	Children with no usual source for sick care; Children who usually go to a certain provider or clinic when their child is sick or they need advice about child's health
Notes for Data-Users	
<p>Indicator 4.9a is derived from two questionnaire items: whether child has a usual place for sick care or advice (K4Q01) and what type of place they go to most often for medical care (K4Q02R).</p> <p>Criteria for meeting this component of the Medical Home measure are: having a usual place of care (K4Q01) that is a categorized in K4Q02R as a doctor's office, hospital outpatient department, clinic or health center, school, friend or relative, some other place, or a telephone advice line. Responses indicating that the child does not have a usual source of care (K4Q01) or that the place of care is a hospital emergency room, is located outside the U.S., or the child does not go to one place most often (K4Q02R), are defined as not having a usual source of care.</p>	
Revisions in 2011-2012	
<p>There were slight revisions in the follow up item about the type of place child usually goes for care. In 2011/12 response options were added for retail store clinic (minute clinic), alternative health provider and mental health provider. Special attention should also be paid to the addition of cell phones in the 2011/12 NSCH sample. Consider these changes when attempting to make comparisons across survey years.</p>	
SAS Syntax and Annotation	
<pre>ind4_9a_11 = .; /*Usual source of care*/ if K4Q01 in (1,2) and K4Q02 in (1,3,4,5,6,7,9,11,12,13) then ind4_9a_11 = 1; else if K4Q01 = 0 or K4Q02 in (2,8,10) then ind4_9a_11 = 0; else if K4Q01 in (6,7,.M) or K4Q02 in (.M,96,97) then ind4_9a_11 = .M; label ind4_9a_11 = "Indicator 4.9a: Usual Sources for Sick Care sub-component of MEDICAL HOME composite measure"; value source_yn /*ind4_9a_11*/ 0 = "Does not have usual sources for sick care" 1 = "Child does have usual sources for sick care" .M = "DK/Ref/Missing in error";</pre>	

Indicator 4.9b	Medical Home Component: Family-centered care
Description	For those receiving care during the past 12 months, how many children received family-centered care?
Survey Items Used	K5Q40; K5Q41; K5Q42; K5Q43; K5Q44
Denominator	Children age 0-17 years who received care during the past 12 months
Numerator	Did not receive family-centered care; received family-centered care services
Notes for Data-Users	
<p>Indicator 4.9b represents the Family-Centered Care component of medical home care. Family-centered care is comprised of responses to five experience-of-care questions: K5Q40 (spends enough time with child), K5Q41 (listens carefully to you), K5Q42 (sensitive to family values/customs), K5Q43 (gives needed information), and K5Q44 (family feels like partner). To qualify as having family-centered care responses to all five questions must be either "Usually" or "Always". Children who had no health care visits in the past twelve months are not included.</p>	
Revisions in 2011-2012	
<p>One minor revision was undertaken between the 2007 and 2011/12 NSCH. An item assessing whether or not the child or child's family required an interpreter and whether or not the interpreter was usually or always provided was dropped from the survey due to small sample sizes in most states. Additionally, cell phones were included in the 2011/12 NSCH sample. Please consider these changes when trying to make comparisons across survey years.</p>	
SAS Syntax and Annotation	
<pre>time_11= .; if K5Q40 in (6,7,.M) then time_11 = .M; else if K5Q40 = .L then time_11 = 2; else if K5Q40 = 1 or K5Q40 = 2 then time_11 = 0; else if K5Q40 = 3 or K5Q40 = 4 then time_11 = 1; label time_11 = "How often doctor spends enough time"; listen_11= .; if K5Q41 in (6,7,.M) then listen_11 = .M; else if K5Q41 = .L then listen_11 = 2; else if K5Q41 = 1 or K5Q41 = 2 then listen_11 = 0; else if K5Q41 = 3 or K5Q41 = 4 then listen_11 = 1; label listen_11 = "How often doctor listens carefully"; sensitiv_11= .; if K5Q42 in (6,7,.M) then sensitiv_11 = .M; else if K5Q42 = .L then sensitiv_11 = 2; else if K5Q42 = 1 or K5Q42 = 2 then sensitiv_11 = 0; else if K5Q42 = 3 or K5Q42 = 4 then sensitiv_11 = 1; label sensitiv_11 = "How often doctor sensitive to family values and customs";</pre>	

```

info_11= .;
if K5Q43 in (6,7,.M) then info_11 = .M;
else if K5Q43 = .L then info_11 = 2;
else if K5Q43 = 1 or K5Q43 = 2 then info_11 = 0;
else if K5Q43 = 3 or K5Q43 = 4 then info_11 = 1;
label info_11 = "How often doctor provides needed information";

partner_11= .;
if K5Q44 in (6,7,.M) then partner_11 = .M;
else if K5Q44 = .L then partner_11 = 2;
else if K5Q44 = 1 or K5Q44 = 2 then partner_11 = 0;
else if K5Q44 = 3 or K5Q44 = 4 then partner_11 = 1;
label partner_11 = "How often doctor makes parent feel like partner in child's care";

ind4_9b_11 = .;
if time_11 = .M or listen_11 = .M or sensitiv_11 = .M or info_11 = .M or partner_11 = .M then ind4_9b_11 =
.M;
else if time_11 = 2 then ind4_9b_11 = 2;
else if time_11 in (1,2) and listen_11 in (1,2) and sensitiv_11 in (1,2) and info_11 in (1,2) and partner_11 in
(1,2) then ind4_9b_11 = 1;
else if time_11 = 0 or listen_11 = 0 or sensitiv_11 = 0 or info_11 = 0 or partner_11 = 0 then ind4_9b_11 = 0;
label ind4_9b_11 = "Indicator 4.9b: Family-centered care sub-component of MEDICAL HOME measure";

value fcc_yn /*ind4_9b_11*/
0 = "Does not have family-centered care"
1 = "Yes, has family-centered care"
2 = "Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos"
.M = "DK/Ref/Missing in error to any";

value fcc /*time_11 listen_11 sensitiv_11 info_11 partner_11*/
0 = "Sometimes/never"
1 = "Always/usually"
2 = "Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos"
.M = "DK/Ref/Missing in error";

```

Indicator 4.9c	Medical Home Component: Problems getting referrals, all children
Description	How many children had problems getting referrals?
Survey Items Used	K5Q10; K5Q11
Denominator	Children age 0-17 years
Numerator	Did not need referrals; needed referrals and did not have a problem getting them; needed referrals and had problems getting them
Notes for Data-Users	
<p>Indicator 4.9c, problems getting needed referrals, is a Medical Home component measure based on K5Q10 - needed or received referral to doctors or health services during the past 12 months. Those who needed referrals (K5Q10=Yes) are coded according to whether they had problems getting them (response of “Small problem” or “Big problem”) or not - K5Q11. Children whose response on K5Q10 is “No” are coded as not needing referrals.</p> <p>Indicator 4.9c includes a category for children who did not need referrals. Setting this category to missing results in a variable with the same numerator values, but includes in the denominator only children who needed referrals during the past 12 months.</p>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>ind4_9c_11 = .; if K5Q10 = 0 then ind4_9c_11 = 2; else if K5Q10 in (6,7,.M) then ind4_9c_11 = .M; else if K5Q11 in (1,2) then ind4_9c_11 = 1; else if K5Q11 = 3 then ind4_9c_11 = 0; else if K5Q11 in (6,7,.M) then ind4_9c_11 = .M; label ind4_9c_11 = "Indicator 4.9c: Getting Needed Referrals sub-component of MEDICAL HOME composite measure"; value ref_need /*ind4_9c_11*/ 0 = "No problems getting referral, when needed" 1 = "Big or small problem getting referral, when needed" 2 = "Legitimate skip b/c referrals are not needed" .M = "DK/Ref/Missing";</pre>	

Indicator 4.9d	Medical Home Component: Effective care coordination, all children
Description	How many children received effective care coordination?
Survey Items Used	K4Q22; K4Q24; K5Q20; K5Q21; K5Q30; K5Q31; K5Q32
Denominator	Children age 0-17 years
Numerator	Did not need care coordination during the past 12 months; received effective care coordination; did not receive effective care coordination
Notes for Data-Users	
<p>Indicator 4.9d is a component of the medical home measure. This measure for effective care coordination is constructed by assessing communication between doctors (K5Q30) when needed (K4Q22, K4Q24); communication between doctors and schools (K5Q32) when needed (K5Q31); and getting needed help coordinating care (K5Q20, K5Q21). Skip patterns in the CATI questionnaire are complex; children who did not receive more than one type of service are coded as not needing care coordination.</p> <p>Indicator 4.9d includes a category for children who did not need care coordination. Setting this category to missing results in a variable with the same numerator values, but includes in the denominator only children who needed care coordination during the past 12 months.</p>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<p>***** Step 1: The following syntax sets up the interim variables used to derive the overall score for "Effective Care Coordination" sub-component of MEDICAL HOME composite measure</p> <p>** Dr to dr communication</p> <pre> K4Q22R_11 = K4Q22; if K4Q22 in (6,7,.M) then K4Q22R_11 = .M; if K4Q22 = .L then K4Q22R_11 = .L; label K4Q22R_11 = "Received counseling or tx from mental hlth professional, last 12 mos"; if K4Q22 = 1 or K4Q24 = 1 then need_drcomm_11 = 1; else if K4Q22 = 0 or K4Q24 = 0 then need_drcomm_11 = 0; else need_drcomm_11 = .M; label need_drcomm_11 = "Needed doctor communication - Received mental health and/or specialist care during past 12 months"; K5Q30R_11 = K5Q30; if K5Q30 in (6,7,.M) then K5Q30R_11 = .M; label K5Q30R_11 = "Satisfaction with dr-to-dr communication"; drcomm_11 = .; if need_drcomm_11 = 0 then drcomm_11 = 2; </pre>	

```

else if need_drcomm_11 = .M then drcomm_11 = .M;
else if K5Q30 = 1 then drcomm_11 = 1;
else if K5Q30 in (2,3,4) then drcomm_11 = 0;
else if K5Q30 = 5 then drcomm_11 = 2;
else if K5Q30 in (6,7,.M) then drcomm_11 = .M;
else if K5Q30 = .L then drcomm_11 = 2;
label drcomm_11 = "Level of satisfaction with doctor to doctor communication";

***Dr to school, etc. communication

K5Q31R_11 = K5Q31;
if K5Q31 in (6,7,.M) then K5Q31R_11 = .M;
if K5Q31 = .L then K5Q31R_11 = .L;
label K5Q31R_11 = "Needed doctor communication w/ school or other services"

othcomm_11 = .;
if K5Q31 = 0 then othcomm_11 = 2;
else if K5Q31 in (6,7,.M) then othcomm_11 = .M;
else if K5Q32 = 1 then othcomm_11 = 1;
else if K5Q32 in (2,3,4) then othcomm_11 = 0;
else if K5Q32 = 5 then othcomm_11 = 2;
else if K5Q32 in (6,7,.M) then othcomm_11 = .M;
else if K5Q32 = .L then othcomm_11 = 2;
label othcomm_11 = "Level of satisfaction with dr communication w/ school or other services";

*** Gets help w/ care coor, when needed

K5Q20R_11 = K5Q20;
if K5Q20 in (6,7,.M) then K5Q20R_11 = .M;
if K5Q20 = .L then K5Q20R_11 = .L;
label K5Q20R_11 = "Does anyone help to arrange or coordinate child's health care";

K5Q21R_11 = K5Q21;
if K5Q21 in (6,7,.M) then K5Q21R_11 = .M;
if K5Q21 = .L then K5Q21R_11 = .L;
label K5Q21R_11 = "Could use extra help to arrange/coordinate child's health care"

carehelp_11 = .;
if K5Q20 = .L then carehelp_11 = 2;
else if K5Q20 = .M then carehelp_11 = .M;
else if K5Q20 = 0 and K5Q21 = 0 then carehelp_11 = 2;
else if K5Q20 in (6,7) and K5Q21 = 0 then carehelp_11 = .M;
else if K5Q21 in (6,7,.M) then carehelp_11 = .M;
else if K5Q22 in (6,7,.M) then carehelp_11 = .M;
else if K5Q20 = 1 and K5Q21 = 0 then carehelp_11 = 1;
else if K5Q22 = 3 then carehelp_11 = 1;
else if K5Q22 in (1,2) then carehelp_11 = 0;
label carehelp_11 = "Gets help with care coordination when needed";

```

***** Step 2: Construct "EFFECTIVE CARE COORDINATION " sub-component of MEDICAL HOME composite measure

```
ind4_9d_11 = .;
if carehelp_11 = .M or drcomm_11 = .M or othcomm_11 = .M then ind4_9d_11 = .M;
else if carehelp_11 = 2 and drcomm_11 = 2 and othcomm_11 = 2 then ind4_9d_11 = 2;
else if carehelp_11 in (1,2) and drcomm_11 in (1,2) and othcomm_11 in (1,2) then ind4_9d_11 = 1;
else if carehelp_11 = 0 or drcomm_11 = 0 or othcomm_11 = 0 then ind4_9d_11 = 0;
label ind4_9d_11 = "Indicator 4.9d: Effective Care Coordination sub-component of MEDICAL HOME composite measure";
```

```
aluel care_coor /*ind4_9d_11*/
0 = "Did not meet 1 or more needed elements of care coor"
1 = "Met all needed components of care coor or legitimate skip"
2 = "Legit skip -- no one helps with care coor or <2 services used past 12 mos"
.M = "DK/Ref/Missing in error";
```

```
value mentaltx /*K4Q22R_11*/
0 = "No"
1 = "Yes"
.M = "DK/Ref/Missing in error"
.L = "Less than 2 yrs old or";
```

```
value medhome_yn /*K5Q31R_11*/
0 = "No"
1 = "Yes"
.M = "DK/Ref/Missing in error"
.L = "Used 0 of 4 services, past 12 mos";
```

```
value medhome_ny /* K5Q20R_11 K5Q21R_11*/
0 = "No"
1 = "Yes"
.M = "DK/Ref/Missing in error"
.L = " less than 2 of 4 services, past 12 mos";
```

```
value need_drcom /*need_drcomm_11*/
0 = "Did not use services for dr comm denominator"
1 = "Used 1 or both services for dr comm denominator"
.M = "DK/Ref/Missing in error to both services";
```

```
value sat /*K5Q30R_11*/
1 = "Very satisfied"
2 = "Somewhat satisfied"
3 = "Somewhat dissatisfied"
4 = "Very dissatisfied"
5 = "No communication needed or wanted"
.M = "DK/Ref/Missing in error"
.L = "Used less than 2 of 4 services, past 12 mos";
```

```
value drsatis /*drcomm_11*/
```

```
0 = "Less than very satisfied"
```

```
1 = "Very satisfied"
```

```
2 = "Legit skip -- no comm needed or did not use required services"
```

```
.M = "DK/Ref/Missing to both needed services or satis w/ dr comm";
```

```
value othcom /*othcomm_11*/
```

```
0 = "Less than very satisfied"
```

```
1 = "Very satisfied"
```

```
2 = "Legit skip -- no comm needed or did not use required services"
```

```
.M = "DK/Ref to either item";
```

```
value carehlp /*carehelp_11*/
```

```
0 = "Needed extra help/did not get it"
```

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

```
2 = "Legit skip -- used <2 required services or does not get or need extra help"
```

```
.M = "DK/Ref/Missing to any";
```

Indicator 4.10	Family had problems paying child's medical bills
Description	Children whose families had problems paying or were unable to pay child's medical bills
Survey Items Used	K3Q25
Denominator	Children age 0-17 years
Numerator	Yes had problems paying or were unable to pay medical bills; Did not have problems; No expenses
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind4_10_11 = K3Q25; if K3Q25 in (6,7,.M) then ind4_10_11 = .M; label ind4_10_11 = "Indicator 4.10: Family had problems paying or were unable to pay for child's medical bills in past 12 months"; value medexp /*ind4_10_11*/ 0 = "No problems" 1 = "Yes, had problems paying for child's medical bills" 2 = "No medical expenses" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 4.11	Family experiences frustration in efforts to obtain health care services
Description	Children whose parents were usually or always frustrated in their efforts to obtain health care services for the child
Survey Items Used	C4Q04
Denominator	Children age 0-17 years
Numerator	Usually or always frustrated; Sometimes frustrated; Never frustrated
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind4_11_11 = .; if C4Q04 = 1 then ind4_11_11 = 1; if C4Q04 = 2 then ind4_11_11 = 2; if C4Q04 in (3,4) then ind4_11_11 = 3; if C4Q04 in (6,7,.M) then ind4_11_11 = .M; label ind4_11_11 = "Indicator 4.11: How often have you been frustrated in efforts to obtain health care services for child"; value frustcare /* ind4_11_11*/ 1 = "Never" 2 = "Sometimes" 3 = "Usually/Always" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 4.12	Problems accessing needed specialist care
Description	How many children had problems accessing specialist care when needed?
Survey Items Used	K4Q24; K4Q25; K4Q26
Denominator	Children age 0-17 years
Numerator	Did not need or receive specialist care in the previous 12 months; needed/got specialist care and had no problems getting it; needed/got specialist care but had problems getting it
Notes for Data-Users	
<p>For Indicator 4.12 parents of children who saw a specialist doctor (K4Q24) or who needed to see a specialist (K4Q25) during the past 12 months were asked how much of a problem it was to get specialist care (K4Q26). Although K4Q24 is not used in the syntax, it is included in "Survey Items Used" because it is a filter for K4Q25 and K4Q26.</p> <p>These questions are introduced with the text "Specialists are doctors like surgeons, heart doctors, allergy doctors, skin doctors, and others who specialize in one area of health care." For children who have used mental health care services, a statement excluding mental health professionals was added.</p> <p>Children who did not need or receive specialist services are included in the denominator for this indicator.</p>	
Revisions in 2011-2012	
<p>This indicator is the same as 2007 but not the same as 2003. In 2003 only children who had a personal doctor or nurse, or who needed specialist care, were asked questions about receiving specialist care. In 2007 everyone was asked the questions about specialist care. This was repeated in the 2011/12 NSCH.</p>	
SAS Syntax and Annotation	
<pre> ind4_12_11 = .; /*Problems getting specialist care*/ if K4Q26 in (6,7,.M) then ind4_12_11 = .M; if K4Q25 in (6,7) then ind4_12_11 = .M; if K4Q25 = 0 then ind4_12_11 = 0; if K4Q26 = 3 then ind4_12_11 = 1; if K4Q26 = 2 then ind4_12_11 = 2; if K4Q26 = 1 then ind4_12_11 = 2; label ind4_12_11 = "Indicator 4.12: How many children had a problem accessing specialty care, whether they received it or needed it?"; value care_prob /*ind4_12_11*/ 0 = "Did not need or receive specialty care" 1 = "Needed or received/no problem" 2 = "Needed or received/had a problem" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 4.12a	Received care from a specialist doctor
Description	During the past 12 months, did [child name] see a specialist other than a mental health professional?
Survey Items Used	K4Q24
Denominator	Children age 0-17 years
Numerator	Did not receive care from a specialist during the past 12 months; Received care from a specialist during the past 12 months
Notes for Data-Users	
Indicator 4.12a is derived directly from K4Q24, whether the child received care from a specialist other than a mental health professional. Mental health professionals are excluded because they are asked about in item K4Q22.	
Revisions in 2011-2012	
This indicator is the same as 2007. Take the additional of cell phones in the sample into consideration when comparing across years.	
SAS Syntax and Annotation	
<pre> ind4_12a_11 = K4Q24; if K4Q24 in (6,7,.M) then ind4_12a_11 = .M; label ind4_12a_11 = "Indicator 4.12a: Received care from a specialist (non-mental health) in the past 12 months"; value sp_care /*ind4_12a_11*/ 0 = "Did not receive care from specialist" 1 = "Received care from specialist" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 4.14	Doctor asks about parental concerns, age 0-5 years
Description	During the past 12 months/since [child name]'s birth, did [his/her] doctors or other health care providers ask if you have concerns about [his/her] learning, development, or behavior?
Survey Items Used	NUMB_SERVICES; K6Q10; AGEYR_CHILD
Denominator	Children age 0-5 years who visited or used a health service in the past 12 months
Numerator	Had doctor visit but parents were not asked about concerns; had doctor visit during which parents were asked about concerns
Notes for Data-Users	
Indicator 4.14 measures prevalence of developmental surveillance of young children. Item K6Q10 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 only for children age 0-5 who received preventive medical visits (K4Q20R), preventive dental visits (K4Q21R), saw a mental health professional (K4Q22), saw a specialist for care (K4Q24), or needed to see a specialist (K4Q25) in the past 12 months (NUMB_SERVICES).	
Revisions in 2011-2012	
This indicator is the same as 2007 but not the same as 2003. Please take the inclusion of cell phones into consideration when comparing across survey years.	
SAS Syntax and Annotation	
<pre> ind4_14_11 = K6Q10; if K6Q10 = 0 then ind4_14_11 = 0; if K6Q10 in (6,7,.M) then ind4_14_11 = .M; if K6Q10 = .L then ind4_14_11 = .L; if K6Q10 = .N then ind4_14_11 = .N; label ind4_14_11 = "Indicator 4.14: During past 12 months did doctor ask about developmental concerns (age 0-5)?" value conc /*ind4_14_11*/ 0 = "Had visit, did NOT ask" 1 = "Had visit, YES asked" .M = "DK/Ref/Missing in error" .L = "No visits during past 12 months" .N = "Child 6 years or older"; </pre>	

Indicator 4.16	Developmental screening during health care visit, age 10 months-5 years
Description	During the past 12 months, was [child’s name] screened for being at risk for developmental, behavioral and social delays using a parent-reported standardized screening tool during a health care visit?
Survey Items Used	K6Q12; K6Q13A; K6Q13B; K6Q14A; K6Q14B
Denominator	Children age 10 months-5 years who had a health care visit in the past 12 months
Numerator	Parent did not complete Standardized Developmental Screening tool; Parent completed Standardized Developmental Screening tool
Notes for Data-Users	
<p>Indicator 4.16 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.</p> <p>Parent respondents for all children between 10 months and 5 years old were asked whether they completed a questionnaire about their child’s development, communication or social behaviors during the previous 12 months (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 10-23 months, and K6Q14A and K6Q14B for ages 2-5years).</p> <p>This 3-item measure to assess whether screening occurs was developed by the Child and Adolescent Health Measurement Initiative (CAHMI), with funding from the Commonwealth Fund and in conjunction with the Maternal and Child Health Bureau. Further information may be viewed on the CAHMI website http://www.cahmi.org or by contacting CAHMI at mailto:cahmi@ohsu.edu?subject=Question about Developmental screening.</p>	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> /*STEP 1: Variables to identify children whose parent survey at WCC asked about BOTH age-specific content areas*/ both_10to23= .; if K6Q12 = 0 and AGEYR_CHILD < 2 then both_10to23 = 0; if K6Q13A in (0,6,7,.M) or K6Q13B in (0,6,7,.M) then both_10to23= 0; if K6Q13A = 1 and K6Q13B = 1 then both_10to23 = 1; if K6Q13A in (6,7,.M) and K6Q13B in (6,7,.M) then both_10to23= .M; if K6Q13A in (.L,.N) then both_10to23= .L; label both_10to23 = " Yes/screening occurred group -- ages 10-23 mos"; both_24to71= .; if K6Q12 = 0 and AGEYR_CHILD >= 2 and AGEYR_CHILD < 6 then both_24to71 = 0; if K6Q14A in (0,6,7,.M) or K6Q14B in (0,6,7,.M) then both_24to71= 0; if K6Q14A = 1 and K6Q14B = 1 then both_24to71= 1; </pre>	

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if K6Q14A in (6,7,.M) and K6Q14B in (6,7,.M) then both_24to71= .M;
if K6Q14A in (.L,.N) then both_24to71= .L;
label both_24to71 = " Yes/screening occurred group -- ages 24-71 mos";

/*STEP 2: indicator4_16*/

ind4_16_11 = .;
if both_10to23 = 1 then ind4_16_11 = 1;
if both_24to71 = 1 then ind4_16_11 = 1;
if K6Q12 = 0 then ind4_16_11 = 0;
if both_10to23= 0 or both_24to71 = 0 then ind4_16_11 = 0;
if both_10to23= .M or both_24to71= .M then ind4_16_11 = .M;
if K6Q12 in (6,7,.M) then ind4_16_11 = .M;
if K6Q12 = .L or K6Q12= .N then ind4_16_11 = .L;
label ind4_16_11 = "Indicator 4.16: Children ages 10-71 mos receiving both types of screening content";

value dev_sc /*ind4_16_11*/
0 = "No, did not receive both types of content"
1 = "Yes, filled out questionnaire and received both types of scrn content"
.M = "DK/Ref/Missing in error to both types of content"
.L = "Age 0-10 months OR Age 6-17 years";

value ds_yyn /*both_10to23*/
0 = "No or DK/REF to at least 1 type of content"
1 = "Yes to both types of content"
.M = "DK/Ref/Missing in error to both types of content"
.L = " Age 0-9 months OR Age 6-17 years ";

value ds_oyyn /*both_24to71*/
0 = "No or DK/REF to at least 1 type of content"
1 = "Yes to both types of content"
.M = "DK/REF to both types of content"
.L = "Age 0-23 months and >6 years";

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Indicator 5.1a	Child has early intervention plan (IFSP/IEP), age 1-5 years
Description	Does [child name] have any developmental problems for which [he/she] has a written intervention plan called an Individualized Family Services Plan/IFSP or an Individualized Education Program/IEP?
Survey Items Used	K6Q15, AGEYR_CHILD
Denominator	Children age 1-5 years
Numerator	No written plan and/or no qualifying developmental problems; have an IFSP or IEP for no qualifying developmental problems
Notes for Data-Users	
<p>Some young children have developmental delays or other problems for which they receive services from Early Intervention, Special Education, or a similar program. Children receiving these services have a written intervention plan, sometimes called an IFSP (Individualized Family Services Plan) if the child is 3 or younger, or an IEP (Individualized Education Program) if older than about 3 years. Services on an IFSP or 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; service coordination or other services needed to support the child's development.</p>	
Revisions in 2011-2012	
No changes between 2007 and 2011.	
SAS Syntax and Annotation	
<pre> ind5_1a_11 = K6Q15; if K6Q15 = 1 then ind5_1a_11 = 1; if K6Q15 = 0 then ind5_1a_11 = 0; if K6Q15 in (6,7,.M) then ind5_1a_11 = .M; IF K6Q15 = .N then ind5_1a_11 = .L; if AGEYR_CHILD < 1 then ind5_1a_11 = .L; label ind5_1a_11 = "Indicator 5.1a: Does [child name] have any developmental problems for which he/she has a written intervention plan called an IFSP or IEP? age 1-5"; value ei_se /*ind5_1a_11*/ 0 = "No" 1 = "Yes" .M = "DK/Ref/Missing in error" .L = "Skip: Under 1 or 6-17 years"; </pre>	

Indicator 5.1b	School-age child has intervention plan (IEP), age 6-17 years
Description	Does [child name] have a health problem, condition, or disability for which [he/she] has a written intervention plan called an Individualized Education Program or IEP?
Survey Items Used	K7Q11; AGEYR_CHILD
Denominator	Children age 6-17 years
Numerator	No written plan and/or no qualifying health condition or disability; have an IEP for qualifying health condition or disability
Notes for Data-Users	
<p>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 Program 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.</p>	
Revisions in 2011-2012	
No changes between 2007 and 2011.	
SAS Syntax and Annotation	
<pre> ind5_1b_11 = K7Q11; if K7Q11 = 1 then ind5_1b_11 = 1; if K7Q11 = 0 then ind5_1b_11 = 0; if K7Q11 in (6,7,.M) then ind5_1b_11 = .M; if AGEYR_CHILD < 6 then ind5_1b_11 = .L; label ind5_1b_11 = "Indicator 5.1b: Does [child name] have a health problem, condition, or disability for which he/she has a written intervention plan called an Individualized Education Program or IEP? age 6-17"; value eip /*ind5_1b_11*/ 0 = "No" 1 = "Yes" .M = "DK/Ref/Missing in error" .L = "Skip: age 0-5 years"; </pre>	

Indicator 5.2	Repeated grades in school, age 6-17 years
Description	Since starting kindergarten, has [child name] repeated any grades?
Survey Items Used	K7Q05R; AGEYR_CHILD
Denominator	Children age 6-17 years
Numerator	Since starting kindergarten: no grades repeated; repeated one or more grades
Notes for Data-Users	
For Indicator 5.2, the denominator is all children age 6 - 17, including those who were not currently enrolled in school or are home-schooled (2.6% of school age children in the survey).	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind5_2_11 = .; if K7Q05R = 0 then ind5_2_11 = 1; if K7Q05R in (1,2,3,4) then ind5_2_11 = 2; if K7Q05R in (6,7,.M) then ind5_2_11 = .M; if K7Q05R = .N then ind5_2_11 = .L; label ind5_2_11 = "Indicator 5.2: Since starting kindergarten, has [child name] repeated any grades?, ages 6-17"; value grade /*ind5_2_11*/ 1 = "No" 2 = "Yes" .M = "DK/Ref/Missing in error" .L = "Skip: age 0-5 years"; </pre>	

Indicator 5.2a	School engagement, age 6-17 years
Description	During the past month, how often were children engaged in school?
Survey Items Used	K7Q82; K7Q83; AGEYR_CHILD
Denominator	Children age 6-17 years
Numerator	Usually or always engaged in school; not engaged on one or both dimensions
Notes for Data-Users	
<p>School engagement in Indicator 5.2a is measured according to whether school age children usually or always cared about doing well in school (K7Q82) and did all required homework (K7Q83) during the previous month. The reference to the previous month was not changed for children who were on summer break or not enrolled in school at the time of the interview.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.</p>	
SAS Syntax and Annotation	
<pre> ind5_2a_11 = 2; if K7Q82 = 5 and K7Q83 = 5 then ind5_2a_11 = 3; if K7Q82 in (1,2,3) or K7Q83 in (1,2,3) then ind5_2a_11 = 1; if K7Q82 in (6,7,.M) and K7Q83 in (6,7,.M) then ind5_2a_11 = .M; if AGEYR_CHILD < 6 then ind5_2a_11 = .L; label ind5_2a_11 = "Indicator 5.2a: Engaged in school - cares about doing well and does homework, past month, ages 6-17"; value engage /*ind5_2a_11*/ 1 = "Never, rarely, or sometimes is engaged in school" 2 = "Usually is engaged in school" 3 = "Always is engaged in school" .M = "DK/Ref/Missing in error to both" .L = "Skip: age 0-5 years"; value sch_eng /*cares_11 homework_11*/ 1 = "Never, rarely, sometimes" 2 = "Usually" 3 = "Always" .M = "DK/Ref/Missing in error" .L = "Skip: age 0-5 years"; </pre>	

Indicator 5.2b	Number of grades repeated, age 6-17 years
Description	Which grades did [he/she] repeat?
Survey Items Used	K7Q05_A
Denominator	Children age 6-17 years
Numerator	No grades repeated; repeated kindergarten; repeated elementary school; repeated middle school; repeated high school
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind5_2b_11 = K7Q05R; if K7Q05R in (6,7,.M) then ind5_2b_11 = .M; if AGEYR_CHILD < 6 then ind5_2b_11 = .L; label ind5_2b_11 = "Indicator 5.2b: What grades has [child name] repeated? ages 6-17"; value graden /*ind5_2b_11*/ 0 = "No grades repeated" 1 = "Repeated Kindergarten" 2 = "Repeated Elementary School Grade" 3 = "Repeated Middle School Grade" 4 = "Repeated High School Grade" .M = "DK/Ref/Missing in error" .L = "Skip: age 0-5 yrs"; </pre>	

Indicator 5.3	Participation in organized activities outside school, age 6-17 years
Description	How many children participate in one or more organized activities outside of school, such as sports teams or lessons, clubs, organizations, music, dance, language or other arts?
Survey Items Used	K7Q30; K7Q31; K7Q32
Denominator	Children age 6-17 years
Numerator	Children participating in 1 or more organized activities outside of school; Children who do NOT participate in organized activities outside of school
Notes for Data-Users	
For Indicator 5.3, activities outside of school are defined as: sports teams or lessons (K7Q30), clubs or organizations (K7Q31) that take place after school or on weekends or any other organized activities or lessons, such as music, dance, language, or other arts (K7Q32).	
Revisions in 2011-2012	
In 2007, K7Q32 was only asked of children with a "no" response to both K7Q30 and K7Q31. In 2011 it was asked for all children. Also in 2011, K7Q32 read, "During the past 12 months, did [he/she] participate in any other organized activities or lessons, such as music, dance, language, or other arts? There was also a quarter of data collection which did not skip children properly through the items. These issues should be taken into consideration when trying to compare results across survey years.	
SAS Syntax and Annotation	
<pre> ind5_3_11 = .; if K7Q30 = 1 or K7Q31 = 1 or K7Q32 = 1 then ind5_3_11 = 1; if K7Q30 in (0,6,7,.M) and K7Q31 in (0,6,7,.M) and K7Q32 in (0,6,7,.M,.L) then ind5_3_11 = 2; if K7Q30 in (6,7,.M) and K7Q31 in (6,7,.M) and K7Q32 in (6,7,.M) then ind5_3_11 = .M; if AGEYR_CHILD < 6 then ind5_3_11 = .L; label ind5_3_11 = "Indicator 5.3: Participates in 1 or more organized activities outside of school, ages 6-17"; run; value out_sch /*ind5_3_11*/ 1 = "Child participates in one or more extracurricular activities" 2 = "Child does not participate in extracurricular activities" .M = "DK/Ref/missing in error to all" .L = "Skip: 0-5 years"; </pre>	

Indicator 5.4	Participation in volunteer work or community service, age 12-17 years
Description	During the past 12 months, how often has [child name] been involved in any type of community service or volunteer work at school, church, or in the community?
Survey Items Used	K7Q37; AGEYR_CHILD
Denominator	Youth age 12-17 years
Numerator	Never; A few times a year; A few times a month; Once a week or more
Notes for Data-Users	
Indicator 5.4 groups responses for item K7Q37, which asks about participation of youth in community activities and volunteer work.	
Revisions in 2011-2012	
This indicator is the same as 2007. Take the addition of cell phones in the sample into consideration when attempting to compare results across years.	
SAS Syntax and Annotation	
<pre> ind5_4_11 = .; if K7Q37 = 4 then ind5_4_11 = 1; if K7Q37 = 3 then ind5_4_11 = 2; if K7Q37 = 2 then ind5_4_11 = 3; if K7Q37 = 1 then ind5_4_11 = 4; if K7Q37 in (6,7,.M) then ind5_4_11 = .M; if AGEYR_CHILD < 12 then ind5_4_11 = .L; label ind5_4_11 = "Indicator 5.4: Frequency of participation in volunteer work or community service, past 12 months, age 12-17"; value volunt /*ind5_4_11*/ 1 = "Never " 2 = "A few times a year" 3 = "A few times a month" 4 = "Once a week or more" .M = "DK/Ref/missing in error to all" .L = "Skip: 0-11 years"; </pre>	

Indicator 5.5	Work for pay outside the home, age 12-17 years
Description	During the past week, how many hours did [child name] work for pay?
Survey Items Used	K7Q38; K7Q39; AGEYR_CHILD
Denominator	Youth age 12-17 years
Numerator	Did not work for pay; worked less than 1 hour up to 9 hours; worked 10 hours or more per week
Notes for Data-Users	
Indicator 5.5 is based on responses to K7Q38 and K7Q39. The CATI defines "Working for pay" as earning money from any work done outside of home, including regular jobs as well as babysitting, cutting grass, and other occasional work. K7Q39 asks how many hours the youth worked in the previous week.	
Revisions in 2011-2012	
This indicator is the same as 2007 but not 2003. Take the addition of cell phones into consideration when comparing across years.	
SAS Syntax and Annotation	
<pre> ind5_5_11 = .; if 10 <= K7Q39 <= 90 then ind5_5_11 = 3; if 1 <= K7Q39 <= 9 or K7Q39 = 995 then ind5_5_11 = 2; if K7Q38 = 0 or K7Q39 = 0 then ind5_5_11 = 1; if K7Q38 in (6,7,.M) or K7Q39 in (996,997,.M) then ind5_5_11 = .M; if AGEYR_CHILD < 12 then ind5_5_11 = .L; label ind5_5_11 = "Indicator 5.5: Worked outside home for pay during past week, ages 12-17"; value workpay /*ind5_5_11*/ 1 = "Did not work for pay last week" 2 = "Worked up to 9 hours" 3 = "Worked 10 hours or more" .M = "DK/Ref/missing in error to all" .L = "Skip: 0-11 years"; </pre>	

Indicator 5.6	Time spent reading for pleasure, age 6-17 years
Description	On an average weekday, about how much time does [child name] usually spend reading for pleasure?
Survey Items Used	K7Q50; K7Q50A; AGEYR_CHILD
Denominator	Children age 6-17 years
Numerator	None; 30 minutes or less; 31 minutes to 1 hour; more than 1 hour
Notes for Data-Users	
<p>Indicator 5.6 is derived from two items. Reading for pleasure (K7Q50) is defined as time when child reads to him/herself or is read to by another person. It does not include listening to books read by or with the assistance of an audiobook, record, CD, or computer. Nationally, 0.1% of school-aged children cannot read, according to 2011/12 NSCH respondents.</p> <p>The amount of time spent reading is given as a number (K7Q50A) and a period (hours or minutes) to allow parents to specify either in their response. Answers to both questions are used to derive the time in hours spent reading.</p>	
Revisions in 2011-2012	
This indicator is the same as 2007 but not 2003.	
SAS Syntax and Annotation	
<pre>ind5_6_11= .; read_6to17 = K7Q50; if K7Q50A = 1 then read_6to17 = K7Q50*1;/*hours*/ if K7Q50A = 2 then read_6to17 = K7Q50/60;/*converting minutes to hours*/ if K7Q50 = 995 then read_6to17 = 995; if K7Q50 in (996,997,.M) then read_6to17 = .M; if K7Q50 = .N then read_6to17 = .L; label read_6to17 = "Hours spent on average weekday reading for pleasure - ages 6-17"; if read_6to17 = 0 then ind5_6_11= 0; if read_6to17 > 0 and read_6to17 <= .50 then ind5_6_11= 1; if read_6to17 > .50 and read_6to17 <=1 then ind5_6_11= 2; if read_6to17 > 1 then ind5_6_11= 3; if read_6to17 = 995 then ind5_6_11= 995; if read_6to17 = .M then ind5_6_11= .M; if read_6to17 = .L then ind5_6_11= .L; label ind5_6_11= "Indicator 5.6: Time spent reading for pleasure on an average weekday, ages 6-17"; value read_p /*ind5_6_11*/ 0 = "None" 1 = "30 minutes or less" 2 = "31-60 minutes"</pre>	

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3 = "More than 1 hour"  
.M = "DK/Ref/Missing in error"  
.L = "Skip: 0-5 years"  
995 = "Child cannot read";  
  
value readtime /*read_6to17*/  
0 = "None"  
.M = "DK/Ref/Missing in error"  
.L = "Skip: 0-5 years"  
995 = "Child cannot read";
```

Indicator 5.7	Children attend religious services
Description	About how often does [child name] attend a religious service?
Survey Items Used	K8Q12R
Denominator	Children age 0-17 years
Numerator	Never attend religious services; attend at least once a year; attend at least once a month; attend once a week or more often
Notes for Data-Users	
A small number of children who attend religious services “more than daily” were included the category of “attend once per week or more often”.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind5_7_11 = .; if K8Q12r = 0 then ind5_7_11 = 0; if K8Q12r = 1 then ind5_7_11 = 1; if K8Q12r = 2 then ind5_7_11 = 2; if K8Q12r in (3,4) then ind5_7_11 = 3; if K8Q12r in (6,7,.M,.P) then ind5_7_11 = .M; label ind5_7_11 = "Indicator 5.7: How often do children attend religious services"; value religion /*ind5_7_11*/ 0 = "Does not attend religious services" 1 = "More than once a year but less than once a month" 2 = "At least once a month but less than once a week" 3 = "Once a week or more" .M = "DK/Ref/Missing in error"; </pre>	

Indicator 5.8	Child/youth has one or more adult mentor, age 6-17 years
Description	Presence of at least one adult mentor in child's school, neighborhood, or community
Survey Items Used	K9Q96
Denominator	Children age 6-17 years
Numerator	No, does not have any adult mentors; Yes, youth has one or more adult mentors
Notes for Data-Users	
The item is intended to see if children and youth have an adult mentor other than adults in the child's home. It is considered an important life course indicator.	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> ind5_8_11 = K9Q96; if K9Q96 in (6,7,.M,.P) then ind5_8_11 = .M; if AGEYR_CHILD < 6 then ind5_8_11 = .L; label ind5_8_11 = "Indicator 5.8: Child had at least one adult mentor at school, neighborhood or community - other than adults in the household, who he/she can rely on for advice/guidance"; value mentor /*ind5_8_11*/ 0 = "No adult mentors" 1 = "One or more adult mentors" .M = "DK/Ref/Missing in error" .L = "Skip: age 0-5 years"; </pre>	

Indicator 6.1	Physical health status of child's mother
Description	Of children living with mothers in the household, in general, what is the mother's physical health status?
Survey Items Used	K9Q20
Denominator	Children ages 0 - 17 years who currently live with their biological, step, foster or adoptive mothers
Numerator	Children whose mother's physical health status is: excellent or very good; good; fair or poor
Notes for Data-Users	
<p>Indicator 6.1 summarizes the general health status of children's mothers (K9Q20).</p> <p>If the survey respondent was the selected child's mother (biological, step, foster, adoptive), she rated her own physical health. Respondents who were not the child's mother (e.g. father or other relative) gave a rating of the mother's physical health if the mother was living in the household. All responses were combined regardless of whether the person answering was the mother herself or another respondent.</p> <p>Please keep in mind that approximately 6% of children in the survey were not currently living with a mother in the household and are not included in the denominator.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.</p>	
SAS Syntax and Annotation	
<pre>ind6_1_11 = K9Q20; if K9Q20 in (1,2) then ind6_1_11 = 1; if K9Q20 = 3 then ind6_1_11 = 2; if K9Q20 in (4,5) then ind6_1_11 = 3; if K9Q20 in (.M,.P,6,7) then ind6_1_11 = .M; if K9Q20 = .L then ind6_1_11 = .L; label ind6_1_11 = "Indicator 6.1: In general, what is the status of [child name]'s [mother's/your] health?"; value health_m /*ind6_1_11*/ 1 = "Excellent/very good " 2 = "Good " 3 = "Fair/poor" .M = "DK/Ref/missing in error/partial interview" .L = "No mother living in house";</pre>	

Indicator 6.1a	Physical health status of child's father
Description	Of children living with fathers in the household, in general, what is the father's physical health status?
Survey Items Used	K9Q21
Denominator	Children ages 0-17 years who live with their biological, step, foster or adoptive fathers
Numerator	Children whose father's physical health status is: excellent or very good; good; fair or poor
Notes for Data-Users	
<p>When the respondent to K9Q21 was the target child's father (biological, step, foster, adoptive), he rated his own physical health. Respondents who were not the target child's father (e.g. mother or other relative) gave a rating of the father's physical health. All responses were combined regardless of whether the person answering was the father himself or another respondent.</p> <p>Please keep in mind that approximately 20% of children in the survey were not currently living with a father in the household and are not included in the denominator.</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre>ind6_1a_11 = K9Q21; if K9Q21 in (1,2) then ind6_1a_11 = 1; if K9Q21 = 3 then ind6_1a_11 = 2; if K9Q21 in (4,5) then ind6_1a_11 = 3; if K9Q21 in (.M,.P,6,7) then ind6_1a_11 = .M; if K9Q21 = .L then ind6_1a_11 = .L; label ind6_1a_11 = "Indicator 6.1a: In general, what is the status of [child name]'s [father's/your] health?"; value health_f /*ind6_1a_11*/ 1 = "Excellent/Very Good " 2 = "Good " 3 = "Fair/Poor" .M = "DK/Ref/missing in error/partial interview" .L = "No father living in house";</pre>	

Indicator 6.2	Mental health status of child's mother
Description	Of children living with mothers in the household, in general, what is the status of mother's mental and emotional health?
Survey Items Used	K9Q23
Denominator	Children age 0 through 17 years, in household with mother present
Numerator	Children whose mother's mental/emotional health status is: excellent or very good; good; fair or poor
Notes for Data-Users	
<p>When the respondent to K9Q23 was the target child's mother (biological, step, foster, adoptive), she rated her own mental and emotional health. Respondents who were not the target child's mother (e.g. father or other relative) gave a rating of the mother's mental and emotional health. All responses were combined regardless of whether the person answering was the mother herself or another respondent.</p> <p>Please keep in mind that approximately 6% of children in the survey were not currently living with a mother in the household and are not included in the denominator.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.</p>	
SAS Syntax and Annotation	
<pre>ind6_2_11 = .; if K9Q23 in (1,2) then ind6_2_11 = 1; if K9Q23 = 3 then ind6_2_11 = 2; if K9Q23 in (4,5) then ind6_2_11 = 3; if K9Q23 in (6,7,.M,.P) then ind6_2_11 = .M; if K9Q23 = .L then ind6_2_11 = .L; label ind6_2_11 = "Indicator 6.2: In general, what is the status of [child name]'s [mother's/your] mental and emotional health?"; value health_mm /*ind6_2_11*/ 1 = "Excellent/very good " 2 = "Good " 3 = "Fair/poor" .M = "DK/Ref/Missing in error/Partial interview" .L = "No mother living in house";</pre>	

Indicator 6.2a	Mental health status of child's father
Description	Of children living with fathers in the household, in general, what is the status of father's mental and emotional health?
Survey Items Used	K9Q24
Denominator	Children age 0-17 years who live with their biological, step, foster or adoptive fathers
Numerator	Children whose father's mental/emotional health status is: excellent or very good; good; fair or poor
Notes for Data-Users	
<p>When the respondent to K9Q24 was the target child's father (biological, step, foster, adoptive), he rated his own mental and emotional health. Respondents who were not the target child's father (e.g. mother or other relative) gave a rating of the father's mental and emotional health. All responses were combined regardless of whether the person answering was the father himself or another respondent.</p> <p>Please keep in mind that approximately 20% of children in the survey were not currently living with a father in the household and are not included in the denominator.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.</p>	
SAS Syntax and Annotation	
<pre>ind6_2a_11= .; if K9Q24 in (1,2) then ind6_2a_11 = 1; if K9Q24 = 3 then ind6_2a_11 = 2; if K9Q24 in (4,5) then ind6_2a_11 = 3; if K9Q24 in (6,7,.M,.P) then ind6_2a_11= .M; if K9Q24 = .L then ind6_2a_11 = .L; label ind6_2a_11= "Indicator 6.2a: In general, what is the status of [child name]'s [father's/your] mental and emotional health?"; value health_mf /*ind6_2a_11*/ 1 = "Excellent/very good " 2 = "Good " 3 = "Fair/poor" .M = "DK/Ref/Missing in error/Partial interview" .L = "No father living in house";</pre>	

Indicator 6.3	Overall health status of child's mother
Description	Of children living with mothers in the household, how many children have mothers whose physical and mental health are both excellent or very good?
Survey Items Used	K9Q20; K9Q23
Denominator	Children age 0-17 years who live with their biological, step, foster or adoptive mothers
Numerator	Children with mothers whose overall physical and mental health status is: both excellent or very good; one or both were not excellent or very good
Notes for Data-Users	
<p>Indicator 6.3 is a composite of Indicators 6.1 and 6.2 - Mother's physical and mental/emotional health status. To qualify, responses for the child's mother on both indicators must be either "Excellent" or "Very Good".</p> <p>Please keep in mind that approximately 6% of children in the survey were not currently living with a mother in the household and are not included in the denominator.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.</p>	
SAS Syntax and Annotation	
<pre>ind6_3_11 = .; if K9Q20 in (1,2) and K9Q23 in (1,2) then ind6_3_11 = 2; if K9Q20 in (1,2) and K9Q23 in (3,4,5) then ind6_3_11 = 1; if K9Q20 in (3,4,5) and K9Q23 in (1,2) then ind6_3_11 = 1; if K9Q20 in (3,4,5) and K9Q23 in (3,4,5) then ind6_3_11 = 1; if K9Q20 in (.M,.P,6,7) or K9Q23 in (.M,.P,6,7) then ind6_3_11 = .M; if K9Q20 = .L or K9Q23 = .L then ind6_3_11 = .L; label ind6_3_11 = "Indicator 6.3: Mother's overall physical AND mental-emotional health status, children living with biological, step, adopted or foster mother"; value overall_m /*ind6_3_11*/ 1 = "One or both NOT excellent/very good" 2 = "BOTH are excellent/very good" .M = "DK/Ref/Missing in error/Partial interview" .L = "No mother living in house";</pre>	

Indicator 6.3a	Overall health status of child's father
Description	Of children living with fathers in the household, how many children have fathers whose physical and mental health are both excellent or very good?
Survey Items Used	K9Q21; K9Q24
Denominator	Children age 0-17 years with a father present in the household
Numerator	Of children who live with a father, those whose fathers overall physical and mental health status is: both excellent or very good; one or both were not excellent or very good
Notes for Data-Users	
<p>Indicator 6.3a is a composite of Indicators 6.1b and 6.2a - Father's physical and mental/emotional health status. To qualify, responses for the child's father on both indicators must be either "Excellent" or "Very Good".</p> <p>Please keep in mind that approximately 20% of children in the survey were not currently living with a father in the household and are not included in the denominator.</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre>ind6_3a_11 = .; if K9Q21 in (1,2) and K9Q24 in (1,2) then ind6_3a_11 = 2; if K9Q21 in (1,2) and K9Q24 in (3,4,5) then ind6_3a_11 = 1; if K9Q21 in (3,4,5) and K9Q24 in (1,2) then ind6_3a_11 = 1; if K9Q21 in (3,4,5) and K9Q24 in (3,4,5) then ind6_3a_11 = 1; if K9Q21 in (.M,.L,.P,6,7) or K9Q24 in (.M,.L,.P,6,7) then ind6_3a_11 = .M; if K9Q21 = .L or K9Q24 = .L then ind6_3a_11 = .L; label ind6_3a_11 = "Indicator 6.3a: Father's overall physical AND mental-emotional health status, children living with biological, step, adopted or foster father"; value overall_f /*ind6_3a_11*/ 1 = "One or both NOT excellent/very good" 2 = "BOTH are excellent/very good" .M = "DK/Ref/Missing in error/Partial interview" .L = "No father living in house";</pre>	

Indicator 6.4	Tobacco use in households
Description	Does anyone in the household use cigarettes, cigars, or pipe tobacco?
Survey Items Used	K9Q40
Denominator	Children age 0-17 years
Numerator	No smokers live in child's household; child's household includes someone who smokes tobacco
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind6_4_11 = K9Q40; if ind6_4_11 = 0 then ind6_4_11 = 0; if ind6_4_11 in (6,7,.M,.P) then ind6_4_11 = .M; label ind6_4_11 = "Indicator 6.4: Children live in household in which someone uses cigarettes, cigars, or pipe tobacco"; value smoke /*ind6_4_11*/ 0 = "No" 1 = "Yes" .M = "DK/Ref/Missing in error/Partial interview"; </pre>	

Indicator 6.4a	Exposure to secondhand smoke at home
Description	Does anyone living inside of [child name]'s home smoke inside the home?
Survey Items Used	K9Q40; K9Q41
Denominator	Children age 0-17 years
Numerator	No smokers in child's household; smoker in household but no smoking inside home; smoker in household and smoking occurs inside home
Notes for Data-Users	
Question K9Q41 "Does anyone smoke inside [child name]'s home" was only asked of respondents who said "Yes" to question K9Q40, "Does anyone living in your household use cigarettes, cigars, or pipe tobacco?". Indicator 6.4a shows overall prevalence of both outcomes.	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> ind6_4a_11 = .; if K9Q40 = 0 then ind6_4a_11 = 1; if K9Q40 = 1 and K9Q41 = 0 then ind6_4a_11 = 2; if K9Q40 = 1 and K9Q41 = 1 then ind6_4a_11 = 3; if K9Q40 = 1 and K9Q41 in (6,7) then ind6_4a_11 = .M; if K9Q40 in (6,7,.M,.P) or K9Q41 in (6,.M,.P) then ind6_4a_11 = .M; label ind6_4a_11 = "Indicator 6.4a: Whether tobacco smoker lives in household and, if so, exposure to secondhand smoke inside home"; value sec_smoke /*ind6_4a_11*/ 1 = "No one uses tobacco" 2 = "Someone uses tobacco - not inside the house" 3 = "Someone uses tobacco - smokes inside the house" .M = "DK/Ref/Missing in error/Partial interview"; </pre>	

Indicator 6.5	Children living in "working poor" households
Description	How many children live in "working poor" households: parents are employed full-time with incomes less than 100% of the federal poverty level?
Survey Items Used	K11Q50; povlev4_11
Denominator	Children age 0-17 years
Numerator	Children who do not live in a household defined as "working poor"; Children who live in a household that is classified as "working poor"
Notes for Data-Users	
<p>Indicator 6.5 is derived from two questions. K11Q50 defines whether someone in the household was employed during at least 50 of the past 52 weeks. The income variable, povlev4_07, is calculated based on the relative poverty ranking according to household size and income. Households with income less than 100% of Federal Poverty Level are defined as "poor." Children are defined as living in "working poor" households if someone was employed for 50 of the last 52 weeks (K11Q50) and their total household income was less than 100% of the federal poverty level (povlev4_11).</p> <p>The 2011/12 NSCH public data file provided by the National Center for Health Statistics (NSCH) includes a derived income variable, POVERTY_LEVELR which is missing values for 8,856 cases representing 9.3% of the sample. NSCH also provides imputed data for those missing cases. The DRC uses single imputation (#3) data to substitute for the missing cases in the publicly released data file from NCHS.</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> povlev4_11 = .; /*Household income - imputed using version 3 */ if POVLEVEL_I in (1) then povlev4_11 =1; if POVLEVEL_I in (2,3,4,5) then povlev4_11 =2; if POVLEVEL_I in (6,7) then povlev4_11 =3; if POVLEVEL_I in (8) then povlev4_11 =4; label povlev4_11 = "Derived. Household income level based on DHHS guidelines - Imputed; single imputation using version 3"; ind6_5_11 = .; if 0 < povlev4_11 <=4 and ((K11Q50 = 0) or (K11Q50 = 1)) then ind6_5_11 = 1; if povlev4_11 = 1 and K11Q50 = 1 then ind6_5_11 = 2; if K11Q50 in (6,7,.M,.P) then ind6_5_11 = .M; label ind6_5_11 = "Indicator 6.5: Children live in working poor households--parents employed full-time with income less than 100% FPL (using version 3 of imputed income)"; value work_poor /*ind6_5_11*/ 1 = "Does not live in 'working poor' HH" 2 = "Lives in 'working poor' household" </pre>	

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.M = "DK/Ref/Missing in error/Partial interview";
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value pov /*povlev4_11*/
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1 = "< 100% FPL"
```

```
2 = "100-199% FPL"
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```
3 = "200-399% FPL"
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4 = "400% or more FPL";
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Indicator 6.6	Family outings, age 0-5 years
Description	During the past week, on how many days did you or any family member take [child name] on any kind of outing, such as to the park, library, zoo, shopping, church, restaurants, or family gatherings?
Survey Items Used	K6Q64; AGEYR_CHILD
Denominator	Children age 0-5 years
Numerator	Days during the previous week on which family members took young children for outings: none; 1-3 days; 4-6 days; every day
Notes for Data-Users	
Examples of family outings were "to the park, library, zoo, shopping, church, restaurants, or family gatherings".	
Revisions in 2011-2012	
This question has changed location each survey year. Please take these changes, and the inclusion of cell phones in the 2001/12 sample, into consideration when comparing results across survey years.	
SAS Syntax and Annotation	
<pre> ind6_6_11 = .; if K6Q64 = 0 then ind6_6_11 = 0; if K6Q64 in (1,2,3) then ind6_6_11 = 1; if K6Q64 in (4,5,6) then ind6_6_11 = 2; if K6Q64 = 7 then ind6_6_11 = 3; if K6Q64 in (96,97,.M) then ind6_6_11 = .M; if K6Q64 = .N then ind6_6_11 = .L; label ind6_6_11 = "Indicator 6.6: Number of days children went on outings with family members, past week, age 0-5"; value outing /*ind6_6_11*/ 0 = "No days" 1 = "1-3 days" 2 = "4-6 days" 3 = "Every day" .M = "DK/Ref/Missing in error/Partial interview" .L = "Legit skip: age 6-17 years"; </pre>	

Indicator 6.7	Family reads to children, age 0-5 years
Description	During the past week, how many days did you or other family members read stories to [child name]?
Survey Items Used	K6Q60; AGEYR_CHILD
Denominator	Children age 0-5 years
Numerator	Days during the previous week on which family members read stories to young children: none; 1-3 days; 4-6 days; every day
Notes for Data-Users	
Response categories for K6Q60 are collapsed for Indicator 6.7; answer choices were open-ended and survey respondents could indicate up to 7 days.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind6_7_11 = K6Q60; if K6Q60 = 0 then ind6_7_11 = 0; else if K6Q60 in (1,2) then ind6_7_11 = 1; else if K6Q60 in (3,4) then ind6_7_11 = 2; else if K6Q60 in (5,6) then ind6_7_11 = 3; else if K6Q60 = 7 then ind6_7_11 = 4; else if ind6_7_11 in (96,97,.M) then ind6_7_11= .M; else if K6Q60 = .N then ind6_7_11 = .L; label ind6_7_11 = "Indicator 6.7: Number of days family members read to children, past week, age 0-5"; value read /*ind6_7_11*/ 0 = "No days" 1 = "1 or 2 days" 2 = "3 or 4 days" 3 = "5 or 6 days" 4 = "Every day" .M = "DK/Ref/Missing in error/Partial interview" .L = "Legit skip: age 6-17 years"; </pre>	

Indicator 6.7a	Family sings or tells stories to children, age 0-5 years
Description	During the past week, how many days did you or other family members sing or tell stories to [child name]?
Survey Items Used	K6Q61; AGEYR_CHILD
Denominator	Children age 0-5 years
Numerator	Days during the previous week on which family members sang or told stories to young children: none; 1-3 days; 4-6 days; every day
Notes for Data-Users	
Response categories for K6Q61 are collapsed for Indicator 6.7a; answer choices were open-ended and survey respondents could indicate up to 7 days.	
Revisions in 2011-2012	
Some questions were added before this question in 2011/12, but otherwise it is the same between 2007 and 2011/12. Please take this change, and the inclusion of cell phones, into consideration when comparing across survey years.	
SAS Syntax and Annotation	
<pre> ind6_7a_11 = .; if K6Q61 = 0 then ind6_7a_11 = 0; if K6Q61 in (1,2) then ind6_7a_11 = 1; if K6Q61 in (3,4) then ind6_7a_11 = 2; if K6Q61 in (5,6) then ind6_7a_11 = 3; if K6Q61 = 7 then ind6_7a_11 = 4; if K6Q61 in (96,97,.M) then ind6_7a_11 = .M; if K6Q61 = .N then ind6_7a_11 = .L; label ind6_7a_11 = "Indicator 6.7a: Number of days family members sang or told stories to children, past week, age 0-5"; value sing /*ind6_7a_11*/ 0 = "No days" 1 = "1 or 2 days" 2 = "3 or 4 days" 3 = "5 or 6 days" 4 = "Every day" .M = "DK/Ref/Missing in error/Partial interview" .L = "Legit skip: age 6-17 years"; </pre>	

Indicator 6.8	Family eats meals together
Description	During the past week, on how many days did all the family members who live in the household eat a meal together?
Survey Items Used	K8Q11
Denominator	Children age 0-17 years
Numerator	Days during the previous week on which family ate a meal together: none; 1-3 days; 4-6 days; every day
Notes for Data-Users	
Response categories for K8Q11 are collapsed for Indicator 6.8; answer choices were open-ended and survey respondents could indicate up to 7 days.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind6_8_11 = K8Q11; if K8Q11 = 0 then ind6_8_11 = 0; if K8Q11 ge 1 and K8Q11 le 3 then ind6_8_11 = 1; if K8Q11 ge 4 and K8Q11 le 6 then ind6_8_11 = 2; if K8Q11 = 7 then ind6_8_11 = 3; if K8Q11 in (96,97,.M,.P) then ind6_8_11 = .M; label ind6_8_11 = "Indicator 6.8: Number of days all the family members who live in the household eat a meal together, past week"; value meal /*ind6_8_11*/ 0 = "No days" 1 = "1-3 days" 2 = "4-6 days" 3 = "Every day" .M = "DK/Ref/Missing in error/Partial interview"; </pre>	

Indicator 6.9	Adequate amount of sleep, age 6-17 years
Description	During the past week, on how many nights did [child name] get enough sleep for a child [his/her] age?
Survey Items Used	K7Q40; AGEYR_CHILD
Denominator	Children age 6-17 years
Numerator	Nights in the previous week on which children had adequate sleep for their age: none; 1-3 nights; 4-6 nights; every night
Notes for Data-Users	
Response categories for K7Q40 are collapsed for Indicator 6.9; answer choices were open-ended and survey respondents could indicate up to 7 nights.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind6_9_11 = .; if K7Q40 = 0 then ind6_9_11 = 0; if K7Q40 in (1,2,3) then ind6_9_11 = 1; if K7Q40 in (4,5,6) then ind6_9_11 = 2; if K7Q40 = 7 then ind6_9_11 = 3; if K7Q40 in (96,97,.M) then ind6_9_11 = .M; if K7Q40 = .N then ind6_9_11 = .L; label ind6_9_11 = "Indicator 6.9: Number of nights children had enough sleep, past week, age 6-17"; value sleep /*ind6_9_11*/ 0 = "No nights" 1 = "1-3 nights" 2 = "4-6 nights" 3 = "Every night" .M = "DK/Ref/Missing in error/Partial interview" .L = "Legit skip: age 0-5 years"; </pre>	

Indicator 6.10	Time spent watching TV, videos, or playing video games, age 1-17 years
Description	On an average weekday, about how much time does [child name] usually spend in front of a TV watching TV programs, videos, or playing video games?
Survey Items Used	K6Q65; K6Q65A; K7Q60; K7Q60A
Denominator	Children age 1-17 years
Numerator	Amount of time on an average weekday: none; 1 hour or less; more than 1 hour but less than 4 hours; 4 hours or more
Notes for Data-Users	
<p>Indicator 6.10 is derived from two questions for each age group: amount of time spent watching TV, watching videos, or playing video games on a typical weekday (K6Q65/K7Q60); and K6Q65A/K7Q60A, which indicates whether answer was given in hours or minutes.</p> <p>Nationally, 0.2% of children age 6-17 years did not have a TV, video player, or video games in the home. This derived indicators combines items asked separately of two different age groups (under six years old, and 6-17 years old). The item for older children (K7Q60) contains the word "DVDs" in additional television, videos and video games.</p>	
Revisions in 2011-2012	
<p>Slight changes across all years of the survey. This item has been revised each survey implementation to keep up with changing technology and revised guidelines for media viewing. Also consider the inclusion of cell phones in the 2011/12 NSCH sample when thinking of comparing across survey years.</p>	
SAS Syntax and Annotation	
<pre> /* Convert reported units to minutes or hours*/ tv_6to17 = K7Q60; if K7Q60 > 0 and K7Q60A = 2 then tv_6to17 = K7Q60/60; if K7Q60 > 0 and K7Q60A = 1 then tv_6to17 = K7Q60*1; if K7Q60 = 995 then tv_6to17 = .M; if K7Q60 in (996,997,.M) then tv_6to17 = .M; if K7Q60 = .N then tv_6to17 = .L; /*0-5 years*/ label tv_6to17 = "Hours of TV or Video watching per weekday -- ages 6-17 only"; tv_1to5 = K6Q65; if K6Q65 >0 and K6Q65A = 1 then tv_1to5 = K6Q65*1; if K6Q65 >0 and K6Q65A = 2 then tv_1to5 = K6Q65/60; if K6Q65 = 0 then tv_1to5 = 0; if K6Q65 = 995 then tv_1to5 = .M; if K6Q65 in (996,997,.M) then tv_1to5 = .M; if K6Q65A = .M then tv_1to5 =.M; if AGEYR_CHILD >= 6 then tv_1to5 = .L; label tv_1to5 = "Hours of TV or Video watching per weekday -- ages 1-5 only"; ind6_10_11 = .; </pre>	

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if tv_6to17 = 0 or tv_1to5 = 0 then ind6_10_11 = 0;
if (tv_6to17 > 0 and tv_6to17 <= 1) or (tv_1to5 > 0 and tv_1to5 <= 1) then ind6_10_11 = 1;
if (tv_6to17 > 1 and tv_6to17 < 4) or (tv_1to5 > 1 and tv_1to5 < 4) then ind6_10_11 = 2;
if (tv_6to17 >= 4 and tv_6to17 <=20) or (tv_1to5 >= 4 and tv_1to5 <= 20) then ind6_10_11 = 3;
if tv_6to17 = .M or tv_1to5 = .M then ind6_10_11 = .M;
if K7Q60 = 995 or K6Q65 = 995 then ind6_10_11 = .M;
if AGEYR_CHILD = 0 then ind6_10_11 = .L;
label ind6_10_11 = "Indicator 6.10: Time spent watching TV or videos on average weekday-- age 1to17 yrs";

value tv /*tv_6to17*/
0 = "Does not watch TV"
.M = "DK/Ref/Missing in error/Does not own TV "
.L = "Legit skip: age 0-5 years";

value tvfive /* tv_1to5*/
0 = "Does not watch TV"
.M = "DK/Ref/Missing in error"
.L = "Legit skip: age 6-17 years/Does not own TV ";

value tvall /*ind6_10_11*/
0 = "Does not watch T"
1 = "Watches TV 1 hour or less per day"
2 = "Watches TV more than 1 hour but less than 4 hours per day"
3 = "Watches TV 4 hours or more per day"
.M = "DK/Ref/Missing in error/Does not own TV"
.L = "Child is less than 1 year of age";

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Indicator 6.10a	Time spent with a computer, cell phone, or electronic device, age 1-5 years
Description	On an average weekday, about how much time does [child name] usually spend with computers, cell phones, handheld video games, and other electronic devices?
Survey Items Used	K6Q66; K6Q66A; AGEYR_CHILD
Denominator	Children age 1-5 years
Numerator	Does not use electronic devices; Uses devices 1 hour a day or less; Uses devices more than 1 hour but less than 4 per day; Uses devices more than 4 hours per average weekday
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre> /*Convert reported units to minutes or hours*/ comp_1to5 = .; if K6Q66 > 0 and K6Q66A = 1 then comp_1to5 = K6Q66*1; if K6Q66 > 0 and K6Q66A = 2 then comp_1to5 = K6Q66/60; if K6Q66 = 0 then comp_1to5 = 0; if K6Q66 = 995 then comp_1to5 = .M; if K6Q66 in (996, 997, .M) then comp_1to5 = .M; if AGEYR_CHILD = 0 then comp_1to5 = .L; if AGEYR_CHILD >= 6 then comp_1to5 = .L; label comp_1to5 = "Hours of Computer/Electronic Device Use per weekday -- ages 0-5 only"; ind6_10a_11 = .; /*TV-video, age 1-5*/ if comp_1to5 = 0 then ind6_10a_11 = 0; if comp_1to5 > 0 and comp_1to5 <= 1 then ind6_10a_11 = 1; if comp_1to5 > 1 and comp_1to5 < 4 then ind6_10a_11 = 2; if comp_1to5 >= 4 and comp_1to5 <= 20 then ind6_10a_11 = 3; if K6Q66 in (996, 997, .M) then ind6_10a_11 = .M; if K6Q66 = 995 then ind6_10a_11 = .M; if AGEYR_CHILD = 0 or AGEYR_CHILD > 5 then ind6_10a_11 = .L; label ind6_10a_11 = "Indicator 6.10a: Hours of TV or videos per weekday, age 1-5"; value vid /*ind6_10a_11*/ 0 = "Does not Use Electronic Devices" 1 = "Uses Electronic Devices 1 hour or less per day" 2 = "Uses Electronic Devices more than 1 hour but less than 4 hours per day" 3 = "Uses Electronic Devices 4 hours or more per day" </pre>	

.M = "DK/REF/Missing in error/Does not own Electronic Devices"

.L = "Child is less than 1 year of age or 6-17 years";

value comp /*comp_6to17*/

0 = "Does not use computer or electronic devices"

.M = "DK/Ref/Missing in error/Does not own Electronic Devices "

.L = "Legit skip: age 0-5 years";

Indicator 6.10b	Time spent with a computer, cell phone, or electronic device, age 6-17 years
Description	On an average weekday, about how much time does [child name] usually spend with computers, cell phones, handheld video games, and other electronic devices, doing things other than schoolwork , age 6-17 years
Survey Items Used	K7Q60; K7Q91; K7Q91A; AGEYR_CHILD
Denominator	Children age 6-17 years
Numerator	Does not use electronic devices; Uses devices 1 hour a day or less; Uses devices more than 1 hour but less than 4 per day; Uses devices more than 4 hours per average weekday
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
New item in 2011/12.	
SAS Syntax and Annotation	
<pre> /*Convert reported units to minutes or hours*/ comp_6to17 = .; if K7Q91 > 0 and K7Q91A = 2 then comp_6to17 = K7Q91/60; if K7Q91 > 0 and K7Q91A = 1 then comp_6to17 = K7Q91*1; if K7Q91 = 0 then comp_6to17 = 0; if K7Q91 = 995 then comp_6to17 = .M; /*Do not own any devices*/ if K7Q91 in (996,997,.M) then comp_6to17 = .M; if K7Q91A = .M then ind6_10b_11 = .M; if AGEYR_CHILD < 6 then comp_6to17 = .L; /*0-5 years*/ label comp_6to17 = "Hours usually spend with computers and electronic devices on an average weekday, age 6-17"; /*Indicator 6.10b: Time spent watching comp or videos on average weekday-- children age 6-17 yrs*/ ind6_10b_11 = .; if comp_6to17=0 then ind6_10b_11 = 0; if comp_6to17 > 0 and comp_6to17 <= 1 then ind6_10b_11 = 1; if comp_6to17 >1 and comp_6to17 <4 then ind6_10b_11 = 2; if comp_6to17 >=4 and comp_6to17 <=20 then ind6_10b_11 = 3; if K7Q91 in (996,997,.M) then ind6_10b_11 = .M; if K7Q91 = 995 then ind6_10b_11 = .M; if K7Q91A = .M then ind6_10b_11 = .M; if AGEYR_CHILD < 6 then ind6_10b_11=.L; label ind6_10b_11 = "Indicator 6.10b: Time spent using electronic devices average weekday-- children age 6to17 yrs"; </pre>	

value tvsix /*ind6_10b_11*/

0 = "Does not Use Electronic Devices"

1 = "Uses Electronic Devices 1 hour or less per day"

2 = "Uses Electronic Devices more than 1 hour but less than 4 hours per day"

3 = "Uses Electronic Devices 4 hours or more per day"

.M = "DK/REF/Missing in error/Does not own Electronic Devices"

.L = "Child is 0-5 years";

Indicator 6.10c	Child has TV, computer, or access to electronic devices in bedroom, age 6-17 years
Description	Does [child name] have a TV, computer, or access to electronic devices in [his/her] bedroom?
Survey Items Used	K7Q62; AGEYR_CHILD
Denominator	Children age 6-17 years whose family own a TV or electronic devices (Those with no TV or devices not included)
Numerator	Children who have TV/devices in bedroom; Children who do not have TV/devices in bedroom
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
In 2011/12 this question reads, "Does [he/she] have a TV, computer, or access to electronic devices in [his/her] bedroom?" In 2007 it read, "Is there a television in [S.C.]'s bedroom?" These items should not be compared across survey years.	
SAS Syntax and Annotation	
<pre> ind6_10c_11 = .; if K7Q62 = 1 then ind6_10c_11 = 1; if K7Q62 = 0 then ind6_10c_11 = 2; if K7Q60 = 995 then ind6_10c_11 = 2; if K7Q62 in (6,7,.M) then ind6_10c_11 = .M; if AGEYR_CHILD < 6 then ind6_10c_11 = .L; label ind6_10c_11 = "Indicator 6.10c: Is there a television or electronic devices in his/her bedroom?, age 6-17"; value tvbed /*ind6_10c_11*/ 1 = "Yes" 2 = "No" .M = "DK/REF/System Missing" .L = "Skip: age 0-5 yrs"; </pre>	

Indicator 6.11	Adverse childhood experiences
Description	Adverse childhood experiences
Survey Items Used	ACE1; ACE3; ACE4; ACE5; ACE6; ACE7; ACE8; ACE9; ACE10
Denominator	Children age 0-17 years
Numerator	Children with no adverse family experiences; Children with 1 adverse family experience; Children with 2 or more adverse family experiences
Notes for Data-Users	
<p>In 2011/12 NSCH, Adverse Family Experiences were included to capture psychosocial risk factors that affect children. In the original Adverse Childhood Experience (ACE) Study found, there were significant associations between childhood abuse, neglect and exposure to violence with adult health problems (Felitti et al, 1998). A modified version of nine adverse childhood experiences list was developed for this survey: (1) socioeconomic hardship, (2) divorce/separation of parent, (3) death of parent, (4) parent served time in jail, (5) witness to domestic violence, (6) victim of neighborhood violence, (7) lived with someone who was mentally ill or suicidal, (8) lived with someone with alcohol/drug problem, (9) treated or judged unfairly due to race/ethnicity.</p> <p>These nine items were based initially on the BRFSS ACE Module, which includes items 2, 4, 5, 7, and 8. The additional four items were developed based on a review of life course stressors in children's lives by a Technical Expert Panel. This TEP includes a representative group of experts in the field of survey methodology, children's health, community organizations, and family leaders. Additionally, there was a public comment period. From the collection of input from the Technical Expert Panel and Public Comment, items on perceived discrimination, death of a parent, witness/victim of neighborhood violence, and socioeconomic hardship were included in the list of Adverse Family Experiences.</p> <p>A response of 'somewhat often' or 'very often' was coded as an adverse family experience. ACE3-10 are dichotomous 'Yes/No' response options. ACE11 was not included in this composite measure, as it is the frequency of racial discrimination (among those with positive responses to ACE10).</p>	
Revisions in 2011-2012	
New in the 2011/12 NSCH.	
SAS Syntax and Annotation	
<pre>ACEincome2_11 = .; if ACE1 in (1,2) then ACEincome2_11 = 1; if ACE1 in (3,4) then ACEincome2_11 = 0; if ACE1 in (6,7,.M,.P) then ACEincome2_11 = .M; label ACEincome2_11 = "How often has it been hard to get by on your family's income - hard to cover basics like food or housing?"; ACEdivorce_11 = ACE3; label ACEdivorce_11 = "Child lived with parent who got divorced/separated after he/she was born"; ACEdeath_11 = ACE4; label ACEdeath_11 = "Child lived with parent who died";</pre>	

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ACEjail_11 = ACE5;
label ACEjail_11 = "Child lived with parent who served time in jail after he/she was born";

ACEdomviol_11 = ACE6;
label ACEdomviol_11 = "Child saw parents hit, kip, slap, punch or beat each other up";

ACEnighviol_11 = ACE7;
label ACEnighviol_11 = "Child was a victim of violence or witness violence in his/her neighborhood";

ACEmhealth_11 = ACE8;
label ACEmhealth_11 = "Child lived with anyone who was mentally ill or suicidal, or severity depressed for more than a couple weeks";

ACEdrug_11 = ACE9;
label ACEdrug_11 = "Child lived with anyone who had a problem with alcohol or drugs";

ACEdiscrim_11 = ACE10;
label ACEdiscrim_11 = "Child was ever treated or judged unfairly because of his/her race or ethnic group";

array recode8 {*} ACEdivorce_11 ACEdeath_11 ACEjail_11 ACEdomviol_11 ACEnighviol_11
ACEmhealth_11 ACEdrug_11 ACEdiscrim_11;
do i=1 to dim(recode8);
  if recode8(i) in (6,7,.P,.M) then recode8(i)=.M;
end; drop i;

AFESct_11 = 0;
if ACEincome2_11 = 1 then AFESct_11 + 1;
if ACEdivorce_11 = 1 then AFESct_11 + 1;
if ACEdeath_11 = 1 then AFESct_11 + 1;
if ACEjail_11 = 1 then AFESct_11 + 1;
if ACEdomviol_11 = 1 then AFESct_11 + 1;
if ACEnighviol_11 = 1 then AFESct_11 + 1;
if ACEmhealth_11 = 1 then AFESct_11 + 1;
if ACEdrug_11 = 1 then AFESct_11 + 1;
if ACEdiscrim_11 = 1 then AFESct_11 + 1;
/*if ACEincome2_11 =.M and ACEdivorce_11 = .M and ACEdeath_11 = .M and ACEjail_11 = .M and
ACEdomviol_11 = .M and
ACEnighviol_11 = .M and ACEmhealth_11 = .M and ACEdrug_11 = .M and ACEdiscrim_11 = .M then
AFESct_11 = .M;*/
if ACEincome2_11 in (6,7,.M,.P) and ACEdivorce_11 in (6,7,.M,.P) and ACEdeath_11 in (6,7,.M,.P)and
ACEjail_11 in (6,7,.M,.P)
and ACEdomviol_11 in (6,7,.M,.P) and ACEnighviol_11 in (6,7,.M,.P)and ACEmhealth_11 in (6,7,.M,.P)and
ACEdrug_11 in (6,7,.M,.P)
and ACEdiscrim_11 in (6,7,.M,.P) then AFESct_11 = .M;
label AFESct_11 = "Number of Adverse Family Experiences for child, of 9 asked about";

ind6_11_11 = .;
if AFESct_11 = 0 then ind6_11_11 = 0;
if AFESct_11 = 1 then ind6_11_11 = 1;

```

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if AFESct_11 > 1 then ind6_11_11 = 2;
if AFESct_11 = .M then ind6_11_11 = .M;
label ind6_11_11 = "Indicator 6.11: Number of Adverse Family Experiences for child, of 9 asked about";

value ace2income /*ACEincome2_11*/
0 = "Never/Rarely hard to get by on family income"
1 = "Somewhat Often/Very Often hard to get by on family income"
.M = "DK/Ref/Missing in error/Partial interview";

value ace /*ACEdivorce_11 ACEdeath_11 ACEjail_11 ACEdomviol_11 ACEneighviol_11 ACEmhealth_11
ACEdrug_11 ACEdiscrim_11
*/
0 = "Child did not experience the Adverse Family Experience"
1 = "Child experienced the Adverse Family Experience"
.M = "DK/Ref/Missing in error/Partial interview";

value afecount /*AFESct_11*/
0 = "Child experienced no adverse family experiences, of 10 asked about"
.M = "DK/Ref/Missing in error/Partial interview to all 9 AFES";

value acemore /*ind6_11_11*/
0 = "Child experienced no adverse family experiences, of 9 asked about"
1 = "Child experienced one adverse family experience"
2 = "Child experienced two or more adverse family experiences"
.M = "DK/Ref/Missing in error/Partial interview to all 9 AFES";

```

Indicator 6.12	Parental stress
Description	How many children have parents who felt stress (or aggravation) from parenting during the past month?
Survey Items Used	K8Q31; K8Q32; K8Q34
Denominator	Children age 0-17 years
Numerator	Children whose parents seldom felt stress from parenting; Children whose parents often felt stress from parenting
Notes for Data-Users	
For Indicator 6.12, children qualify if their parents responded "Usually" or "Always" to one or more of three questions about how they felt during the past 30 days: K8Q31 - child was much harder to care for than other children; K8Q32 - often bothered a lot by their child's behavior; and/or K8Q34 - angry with child.	
Revisions in 2011-2012	
No changes between 2007 and 2011/12. A category of "rarely" was added to the response choice options in 2007. Please consider the addition of cell phones to the 2011/12 NSCH sample when comparing this with data from the 2007 NSCH.	
SAS Syntax and Annotation	
<pre> diffcare = K8Q31; label diffcare = "K8Q31 Much harder to care for than most children"; bother = K8Q32; label bother = "K8Q32 Does things that really bother parent a lot"; angry = K8Q34; label angry = "K8Q34 Felt angry with child"; array recode7 {*} diffcare bother angry; do i=1 to dim(recode7); if recode7(i) in (6,7,.P,.M) then recode7(i)= .M; end; drop i; agg_ct = 0; if diffcare in (4,5) then agg_ct + 1; if bother in (4,5) then agg_ct + 1; if angry in (4,5) then agg_ct + 1; if diffcare = .M and bother = .M and angry = .M then agg_ct = .M; label agg_ct = "# of Usually or Always responses to three forms of stress reported by parents during the past month"; ind6_12_11 = .; if agg_ct >= 1 then ind6_12_11 = 1; if agg_ct < 1 then ind6_12_11 = 0; if agg_ct = .M then ind6_12_11 = .M; </pre>	

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label ind6_12_11 = "Indicator 6.12: Percent of children with one or more usually or always responses";
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value aggyn /*diffcare bother angry*/
```

```
1 = "Never"
```

```
2 = "Rarely"
```

```
3 = "Sometimes"
```

```
4 = "Usually"
```

```
5 = "Always"
```

```
.M = "DK/Ref/Missing in error/partial interview";
```

```
value aggr /*ind6_12_11*/
```

```
0 = "No usually/always responses"
```

```
1 = "1 or more usually/always responses"
```

```
.M = "DK/Ref/Missing in error/Partial interview to all 3 items";
```

Indicator 6.14	Child care issues affected parental employment, age 0-5 years
Description	During the past 12 months, did you or anyone in the family have to quit a job, not take a job, or greatly change your job because of problems with child care?
Survey Items Used	K6Q27; AGEYR_CHILD
Denominator	Children age 0-5 years old
Numerator	Children with family employment not affected by child care issues; Children with family employment affected by child care issues
Notes for Data-Users	
N/A	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind6_14_11 = .; if K6Q27 = 1 then ind6_14_11 = 1; if K6Q27 = 0 then ind6_14_11 = 0; if K6Q27 in (6,7,.M) then ind6_14_11 = .M; if K6Q27 = .N then ind6_14_11 = .L; label ind6_14_11 = "Indicator 6.14: Child care problems affected employment of family members, past 12 months, age 0-5"; run; value worklife /*ind6_14_11*/ 0 = "No, not affected" 1 = "Yes, worklife affected" .M = "DK/Ref/Missing in error" .L = "Children 6-17 years old"; </pre>	

Indicator 7.1	Children live in supportive neighborhoods
Description	How many children live in supportive neighborhoods?
Survey Items Used	K10Q30; K10Q31; K10Q32; K10Q34
Denominator	Children age 0-17 years
Numerator	Children who are living in supportive neighborhoods; children living in neighborhoods that are not supportive in two or more ways
Notes for Data-Users	
<p>Indicator 7.1, referred to in various contexts as neighborhood support, neighborhood cohesion, and social capital, is derived from responses to four statements: K10Q30 - People in my neighborhood help each other out; K10Q31 - We watch out for each other's children in this neighborhood; K10Q32 - There are people I can count on in this neighborhood; and K10Q34 - If my child were outside playing and got hurt or scared, there are adults nearby who I trust to help my child. Respondents were asked whether they strongly agree, somewhat agree, somewhat disagree, or strongly disagree with each statement. Only children with valid responses on at least three items are included in the denominator.</p> <p>To score this indicator, item responses are assigned values (1-4) and an average is calculated for eligible cases. The threshold for living in a supportive neighborhood is a mean score of 2.25 or higher, indicating that no more than one item responses was one of the "disagree" options.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.</p>	
SAS Syntax and Annotation	
<pre>ind7_1_11 = .; if K10Q30 in (6,7,.M,.P) then K10Q30 = .M; if K10Q31 in (6,7,.M,.P) then K10Q31 = .M; if K10Q32 in (6,7,.M,.P) then K10Q32 = .M; if K10Q34 in (6,7,.M,.P) then K10Q34 = .M; if K10Q30 >= 1 then K10Q30_r = 1; if K10Q31 >= 1 then K10Q31_r = 1; if K10Q32 >= 1 then K10Q32_r = 1; if K10Q34 >= 1 then K10Q34_r = 1; tot_supp = sum(K10Q30_r,K10Q31_r,K10Q32_r,K10Q34_r); if tot_supp >= 3 then do; supp_nbhd = mean(K10Q30,K10Q31,K10Q32,K10Q34); end; label supp_nbhd = "Mean pts score on neighborhood cohesion -- for cases with 3 or 4 valid responses"; ind7_1_11 = .; if K10Q30 in (6,7,.M,.P) or K10Q31 in (6,7,.M,.P) or K10Q32 in (6,7,.M,.P) or K10Q34 in (6,7,.M,.P) then ind7_1_11 = .M; if supp_nbhd >= 0 and supp_nbhd <= 2.20 then ind7_1_11 = 1;</pre>	

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if supp_nbhd >= 2.25 and supp_nbhd <= 4.00 then ind7_1_11 = 0;  
label ind7_1_11 = "Indicator 7.1: How many children live in supportive neighborhoods?";  
  
value supp_nhbd /*ind7_1_11*/  
0 = "Do not live in supportive neighborhoods"  
1 = "Live in supportive neighborhoods"  
.M = "DK/Ref/Missing in error/Partial interview to all";
```

Indicator 7.2	Children live in safe communities
Description	How often do you feel [child name] is safe in your community or neighborhood?
Survey Items Used	K10Q40
Denominator	Children age 0-17 years
Numerator	Children whose parents report their neighborhood or community is never safe for children; sometimes safe for children; or usually/always safe for children
Notes for Data-Users	
For Indicator 7.2, responses of "Usually" and "Always" are combined.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind7_2_11 = .; if K10Q40 in (1) then ind7_2_11 = 1; if K10Q40 in (2) then ind7_2_11 = 1; if K10Q40 in (3,4) then ind7_2_11 = 2; if K10Q40 in (6,7,.M,.P) then ind7_2_11 = .M; label ind7_2_11 = "Indicator 7.2: How often do you feel [child name] is safe in your community or neighborhood? Would you say never, sometimes, usually, or always?"; value safe /*ind7_2_11*/ 1 = "Never/Sometimes safe" 2 = "Usually/Always safe" .M = "DK/Ref/Missing in error/Partial interview"; </pre>	

Indicator 7.3	Children attend safe schools, age 6-17 years
Description	How often do you feel [child name] is safe at school?
Survey Items Used	K10Q41; AGEYR_CHILD
Denominator	Children age 6-17 years who were enrolled in a school other than home-school in the past 12 months
Numerator	Children whose parents report that their school is never or only sometimes safe; Parents report school is usually/always safe
Notes for Data-Users	
For Indicator 7.3, responses of "Usually" and "Always" are combined and responses of "never" and "Sometimes" are combined. The denominator for this measure does not include children under 6 years of age or 6-17 year old children who are either home-schooled or were not enrolled in school during the previous 12 months.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample. There was a location change between 2003 and 2007.	
SAS Syntax and Annotation	
<pre> ind7_3_11 = .; if K10Q41 in (1) then ind7_3_11 = 1; if K10Q41 in (2) then ind7_3_11 = 1; if K10Q41 in (3,4) then ind7_3_11 = 2; if K10Q41 in (6,7,.M,.P) then ind7_3_11 = .M; if AGEYR_CHILD < 6 then ind7_3_11 = .L; if K10Q41 = .L then ind7_3_11 = .L; label ind7_3_11 = "Indicator 7.3: How often do you feel [child name] is safe at school? Would you say never, sometimes, usually, or always?, age 6-17"; value safeschl /*ind7_3_11*/ 1 = "Never/Sometimes safe" 2 = "Usually/Always safe" .M = "DK/Ref/Missing in error/Partial interview" .L = "Legit skip: age 0-5 years or Home-schooled /not in school"; </pre>	

Indicator 7.4	Presence of neighborhood amenities
Description	How many children live in neighborhoods that contain certain amenities -- parks, recreation centers, sidewalks or libraries?
Survey Items Used	K10Q11; K10Q12; K10Q13; K10Q14
Denominator	Children age 0-17 years
Numerator	Number of neighborhood amenities: none; one of four; two of four; three of four; all four
Notes for Data-Users	
Indicator 7.4 counts how many of four amenities - sidewalks (K10Q11), parks (K10Q12), recreation centers (K10Q13), or libraries (K10Q14) - are present in the children's neighborhoods. Valid responses to all four items are required for this indicator.	
Revisions in 2011-2012	
Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> sidwlks_11 = K10Q11; label sidwlks_11 = "Do sidewalks or walking paths exist in your neighborhood?"; park_11 = K10Q12; label park_11 = "Does a park or playground area exist in your neighborhood?"; recontr_11 = K10Q13; label recontr_11 = "Does a recreation center, community center, or boys' or girls' club exist in your community?"; library_11 = K10Q14; label library_11 = "Does a library or bookmobile exist in your community?"; array recode8 {*} sidwlks_11 park_11 recontr_11 library_11; do i=1 to dim(recode8); if recode8(i) in (6,7,.M,.P) then recode8(i)= .M; end; drop i; ind7_4_11 = .; /*Neighborhood amenities*/ validamen = 0; if K10Q11 in (0,1) then validamen + 1; if K10Q12 in (0,1) then validamen + 1; if K10Q13 in (0,1) then validamen + 1; if K10Q14 in (0,1) then validamen + 1; /*if validamen < 4 then validamen = .;*/ amenities = 0; if K10Q11 = 1 then amenities + 1; if K10Q12 = 1 then amenities + 1; </pre>	

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if K10Q13 = 1 then amenities + 1;
if K10Q14 = 1 then amenities + 1;
label amenities = "Neighborhood amenities";

if amenities = 4 then ind7_4_11 = 4;
if amenities = 3 then ind7_4_11 = 3;
if amenities = 2 then ind7_4_11 = 2;
if amenities = 1 then ind7_4_11 = 1;
if amenities = 0 then ind7_4_11 = 0;
if validamen < 4 then ind7_4_11 = .M;
label ind7_4_11 = "Indicator 7.4: Count of amenities in children's neighborhoods";

value sidewalk /*sidwlks_11*/
0 = "Neighborhood does not contain sidewalks or walking paths"
1 = "Neighborhood contains sidewalks or walking paths"
.M = "DK/Ref/Partial interview";

value park /*park_11*/
0 = "Neighborhood does not contain a park or playground area"
1 = "Neighborhood does contain a park or playground area"
.M = "DK/Ref/Missing in error/Partial interview";

value rec /*recentr_11*/
0 = "Neighborhood does not contain a recreation center, community center or Boys'/Girls' Club"
1 = "Neighborhood contains a recreation center, community center or Boys'/Girls' Club"
.M = "DK/Ref/Missing in error/Partial interview";

value library /*library_11*/
0 = "Neighborhood does not contain a library or bookmobile"
1 = "Neighborhood does contain a library or bookmobile"
.M = "DK/Ref/Missing in error/Partial interview";

value amen /*ind7_4_11*/
0 = "No amenities"
1 = "Neighborhood has 1 amenity from the list"
2 = "Neighborhood has 2 amenities from the list"
3 = "Neighborhood has 3 amenities from the list"
4 = "Neighborhood has all 4 amenities from the list"
.M = "DK/Ref/Missing in error/Partial interview to any of the questions";

```

Indicator 7.5	Presence of detracting neighborhood elements
Description	How many children live in neighborhoods with detracting elements -- vandalism, rundown housing or litter?
Survey Items Used	K10Q20; K10Q22; K10Q23
Denominator	Children age 0-17 years
Numerator	Number of neighborhood detracting elements: none; one of three; two of three; all three
Notes for Data-Users	
Indicator 7.5 counts how many of three detracting elements - litter (K10Q20), poorly kept or rundown housing (K10Q22) or vandalism/graffiti (K10Q23) - are present in children's neighborhoods. Valid responses to all three of these questions are required for this indicator.	
Revisions in 2011-2012	
Consider the inclusion of cell phones in the 2011/12 NSCH sample when comparing across years.	
SAS Syntax and Annotation	
<pre> litter_11 = K10Q20; label litter_11 = "In your neighborhood, is there litter or garbage on the street or sidewalk?"; housing_11 = K10Q22; label housing_11 = "In your neighborhood, is there poorly kept or dilapidated housing?"; vandal_11 = K10Q23; label vandal_11 = "In your neighborhood is there vandalism such as broken windows or graffiti?"; array recode9 {*} litter_11 housing_11 vandal_11; do i=1 to dim(recode9); if recode9(i) in (6,7,.M,.P) then recode9(i)=.M; end; drop i; ind7_5_11 = .; validcomm = 0; if K10Q20 in (0,1) then validcomm + 1; if K10Q22 in (0,1) then validcomm + 1; if K10Q23 in (0,1) then validcomm + 1; comm_cond = 0; if K10Q20 = 1 then comm_cond + 1; if K10Q22 = 1 then comm_cond + 1; if K10Q23 = 1 then comm_cond + 1; label comm_cond = "# Neighborhood condition Items"; </pre>	

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if comm_cond = 3 then ind7_5_11 = 3;
if comm_cond = 2 then ind7_5_11 = 2;
if comm_cond = 1 then ind7_5_11 = 1;
if comm_cond = 0 then ind7_5_11 = 0;
if validcomm < 3 then ind7_5_11 = .M;
label ind7_5_11 = "Indicator 7.5: Count of detracting neighborhood elements";

value litter /*litter_11*/
0 = "Neighborhood does not contain litter or garbage on sidewalks and streets"
1 = "Neighborhood does contain litter or garbage on sidewalks and streets"
.M = "DK/Ref/Missing in error/Partial interview";

value house /*housing_11*/
0 = "Neighborhood does not contain poorly kept or dilapidated housing"
1 = "Neighborhood does contain poorly kept or dilapidated housing"
.M = "DK/Ref/Missing in error/Partial interview";

value vandal /*vandal_11*/
0 = "Neighborhood does not contain broken windows or graffiti"
1 = "Neighborhood does contain broken windows or graffiti"
.M = "DK/Ref/Missing in error/Partial interview";

value phys_comm /*ind7_5_11*/
0 = "No detracting elements in the neighborhood"
1 = "Neighborhood has 1 detracting element from the list"
2 = "Neighborhood has 2 detracting elements from the list"
3 = "Neighborhood has 3 detracting elements from the list"
.M = "DK/Ref/Missing in error/Partial interview to any of the question";

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Subgroups

U.S. children in 3 age groups	
Description	How many children/youth of different ages are in the 0-17 year old population? (3 groups)
Survey Items Used	AGEYR_CHILD
Denominator	Children age 0-17 years
Numerator	Age 0-5 years; Age 6-11 years; Age 12-17 years
Notes for Data-Users	
Uses variable AGEYR_CHILD in the 2007 NSCH public use file provided by the National Center for Health Statistics; aggregates into three groups. Age categories are created from initial sampling questions asked in the survey.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>age3_11 = .; if 0 <= AGEYR_CHILD <= 5 then age3_11 = 1; if 6 <= AGEYR_CHILD <=11 then age3_11 = 2; if 12<= AGEYR_CHILD <=17 then age3_11 = 3; label age3_11 = "Children's age in 3 categories"; value age /*age3_11*/ 1 = "0-5 yrs old" 2 = "6-11 yrs old" 3 = "12-17 yrs old";</pre>	

Subgroups

U.S. children in 5 age groups	
Description	How many children/youth of different ages are in the 0-17 year old population? (5 groups)
Survey Items Used	AGEYR_CHILD
Denominator	Children age 0-17 years
Numerator	Age 0-3 years; Age 4-7 years; Age 8-11 years; Age 12-14 years; Age 15-17 years
Notes for Data-Users	
Uses variable AGEYR_CHILD in the 2007 NSCH public use file provided by the National Center for Health Statistics; aggregates into five groups. Age categories are created from initial sampling questions asked in the survey.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>age5_11 = .; if 0 <= AGEYR_CHILD <= 3 then age5_11 = 1; if 4 <= AGEYR_CHILD <= 7 then age5_11 = 2; if 8 <= AGEYR_CHILD <= 11 then age5_11 = 3; if 12 <= AGEYR_CHILD <= 14 then age5_11 = 4; if 15 <= AGEYR_CHILD <= 17 then age5_11 = 5; label age5_11 = "Children's age in 5 categories"; value agefive /*age5_11*/ 1 = "0-3 yrs old" 2 = "4-7 yrs old" 3 = "8-11 yrs old" 4 = "12-14 yrs old" 5 = "15-17 yrs old";</pre>	

Subgroups

Sex of child	
Description	How many males and females are in the 0-17 year old population?
Survey Items Used	SEX
Denominator	Children age 0-17 years
Numerator	Males; Females
Notes for Data-Users	
Uses variable SEX in the 2007 NSCH public use file provided by the National Center for Health Statistics.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>sex_11 = SEX; if sex_11 in (6,7) then sex_11 = .M; label sex_11 = "Sex of child"; value sex 1 = "Male" 2 = "Female" .M = "DK/Ref";</pre>	

Race and ethnicity distribution of the child population	
Description	How many children of different races or Hispanic ethnicity are in the 0-17 year old U.S. population?
Survey Items Used	K11Q01; K11Q02
Denominator	Children age 0-17 years
Numerator	Hispanic; White, non-Hispanic; Black, non-Hispanic; Other, non-Hispanic
Notes for Data-Users	
<p>In the 2011/12 NSCH public use file provided by the National Center for Health Statistics responses to K11Q02X01-K11Q02X08 are combined into RACER and an edited version of K11Q01 is included as HISPANIC.</p> <p>For race4_11, children reporting Hispanic or Latino ethnicity (HISPANIC=1) are counted as Hispanic regardless of reported race in RACER. Non-Hispanic children (HISPANIC=0) are grouped by race based on RACER. Children whose Hispanic/Latino ethnicity is unknown are coded as missing in race4_11. Non-Hispanic children reporting only one race category of Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander, or who are more than one race (multi-racial) 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>Approximately 1,500 cases of unknown race are set to missing. This represents a weighted percentage of approximately 2% of the sample.</p>	
Revisions in 2011-2012	
<p>In 2003 and 2007, race was divided into five categories separating Multi-racial, non-Hispanic and Other, non-Hispanic. These were combined in 2011/12 as "Other, non-Hispanic".</p>	
SAS Syntax and Annotation	
<pre> race4_11 = .; if HISPANIC = 0 and RACER = 1 then race4_11 = 2; if HISPANIC = 0 and RACER = 2 then race4_11 = 3; if HISPANIC = 0 and RACER = 3 then race4_11 = 4; if HISPANIC = 1 then race4_11 = 1; if race4_11 = . then race4_11 = .M; label race4_11 = "Race and ethnicity of child"; value hisprace /*race4_11*/ 1 = "Hispanic" 2 = "White, non-Hispanic" 3 = "Black, non-Hispanic" 4 = "Multi-racial/Other, non-Hispanic" .M = "DK/Ref/Missing in error to HISPANIC or RACER or both"; </pre>	

Subgroups

Primary household language	
Description	What is the primary language spoken in home?
Survey Items Used	K1Q03
Denominator	Children age 0-17 years
Numerator	Hispanic Children from a primarily Spanish speaking home; Hispanic Children from a primarily English speaking home; Non-Hispanic child
Notes for Data-Users	
<p>This measure is based on the assumption that Spanish is the household language for Hispanic children living in non-English language households. Although this may not be true in every case, results from the 2011/12 NSCH indicate that it is a viable proxy. According to survey respondents, 53.2% of Hispanic children ages 0-17 years in the U.S lived in households where the primary language was not English. Hispanic children living in non-English language households represent 12.5% of the U.S. child population overall. About 2.8% of the U.S. child population are non-Hispanic and live in households where English is not the primary language.</p>	
Revisions in 2011-2012	
<p>Same as the 2007 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.</p>	
SAS Syntax and Annotation	
<pre> hisplang_11 = .; if race4_11 = 1 and PLANGUAGE = 2 then hisplang_11 =1; if race4_11 = 1 and PLANGUAGE = 1 then hisplang_11 =2; if race4_11 > 1 then hisplang_11 =3; if PLANGUAGE >= 6 then hisplang_11 = .M; if race4_11 = .M then hisplang_11 = .M; label hisplang_11 = "Primary household language parsed to Hispanic and non-Hispanic"; value hisplang /*hisplang_11*/ 1 = "Hispanic child Spanish PHL" 2 = "Hispanic child English PHL" 3 = "Non-Hispanic child" .M = "DK/Ref/Missing to PHL or race4_11"; </pre>	

Subgroups

Family structure of child's household	
Description	Family structure of the child population
Survey Items Used	FAM_MAR_COHAB
Denominator	Children age 0-17 years
Numerator	Two parent-biological or adopted; Two parent-step family; Single mother, no father present; Other family type
Notes for Data-Users	
<p>Family type is characterized by number of parents or parent figures present in the household (one, two or other family type) and the relationships of parents or other adults in the household (biological/adoptive parents, step-parents, or other family structure).</p> <p>A composite measure of family structure, FAM_MAR_COHAB, was created by the National Center for Health Statistics (NCHS) for the 2011-12 NSCH public use data file. "Family structure" refers to parents living in the household. Legal guardians were not considered to be mothers or fathers. Households identified as having two mothers of the same type (biological, step, foster, or adoptive) were classified as "other family structure." However, because of this ambiguity about whether the respondent was also counted as another parent in the household, these households may actually be "single mother" households. Other households with ambiguous structure (e.g., where a father refused to indicate whether he was the biological father) were also coded as "other family structure."</p>	
Revisions in 2011-2012	
<p>Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.</p> <p>In the 2007 NSCH Design and Operations Manual, it states that "any of these four family structures may include other people who act as parents, such as grandparents, aunts, uncles, or unmarried partners of the parents." In 2011-12, NCHS released a seven-category variable 'FAM_MAR_COHAB', which differentiates between two-parent households by marital status and cohabitation and single mothers' marital status. To make the variable identical to 2007 NSCH categories, the married and cohabitating groups can be collapsed to create a 4-category family structure variable.</p>	
SAS Syntax and Annotation	
<pre>famstruct_11 = .; if FAM_MAR_COHAB in (1,2) then famstruct_11 = 1; if FAM_MAR_COHAB in (3,4) then famstruct_11 = 2; if FAM_MAR_COHAB in (5,6) then famstruct_11 = 3; if FAM_MAR_COHAB in (7,8,9) then famstruct_11 = 4; if FAM_MAR_COHAB = .M then famstruct_11 = .M; label famstruct_11 = "Type of family structure in household"; value famstruct /*famstruct_11*/ 1 = "Two parent--biological or adopted" 2 = "Two parent--step family" 3 = "Single mother--no father present" 4 = "Other family type" .M = "Missing in error";</pre>	

Subgroups

Income level of child's household	
Description	How many children live in households with incomes above/below the federal poverty level (FPL)?
Survey Items Used	POVLEVEL_I
Denominator	Children age 0-17 years
Numerator	0-99% FPL; 100-199% FPL; 200-399% FPL; 400% FPL or more
Notes for Data-Users	
<p>The 2011/12 NSCH public data file provided by the National Center for Health Statistics (NCHS) includes a derived income variable, POVERTY_LEVELR which has missing values for 8,856 cases representing weighted estimate of 9.7% of the sample. The NCHS provided an additional data file with imputed income nsch1112mimp.zip available at ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slait/nsch_2011_2012/03_Dataset/.</p> <p>The code shown below uses POVLEVEL_I from the NCHS imputed data file. The income level variables povlev4_11 in the DRC 2011-2012 NSCH Indicator Dataset was generated using a single imputation value from the 2011-2012 NSCH imputed data file. Download the imputed income data file and select rows in which IMPUTATION=3 and link with the 2011/12 NSCH interview file on IDNUMR. Please note that income level estimates and confidence intervals based on single imputed income may differ slightly from those obtained using multiple imputation methods. For more information about income imputation refer to Appendix XII of the Design and Operation of the National Survey of Children's Health, 2007 until the release of the Design and Operation report for the 2011/12. The report is available at: http://www.cdc.gov/nchs/data/series/sr_01/sr01_055.pdf.</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre>povlev4_11 = .; if POVLEVEL_I in (1) then povlev4_11 =1; if POVLEVEL_I in (2,3,4,5) then povlev4_11 =2; if POVLEVEL_I in (6,7) then povlev4_11 =3; if POVLEVEL_I in (8) then povlev4_11 =4; label povlev4_11 = "Derived. Household income level based on DHHS guidelines - Imputed; single imputation using version 3"; value pov /*povlev4_11*/ 1 = "< 100% FPL" 2 = "100-199% FPL" 3 = "200-399% FPL" 4 = "400% or more FPL";</pre>	

Income level of child's household - SCHIP groupings	
Description	How many children live in households with incomes above/below the federal poverty level (FPL) based on the State Children's Health Insurance Program (SCHIP) income groups?
Survey Items Used	POVLEVEL_I
Denominator	Children age 0-17 years
Numerator	0-199% FPL; 200-299% FPL; 300-399% FPL; 400% FPL or more
Notes for Data-Users	
povSCHIP_07 is a recoded version of povlev4_07; please refer to notes for povlev4_07.	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> povSCHIP_11 = .; if POVLEVEL_I in (1,2,3,4,5) then povSCHIP_11 =1; if POVLEVEL_I in (6) then povSCHIP_11 =2; if POVLEVEL_I in (7) then povSCHIP_11 =3; if POVLEVEL_I in (8) then povSCHIP_11 =4; label povSCHIP_11 = "Household income level grouped by SCHIP income criteria - Imputed; single imputation using version 3"; value pov_schip /*povSCHIP_11*/ 1 = "< 199% FPL" 2 = "200-299% FPL" 3 = "300-399% FPL" 4 = "400% or more FPL"; </pre>	

Subgroups

Children with Special Health Care Needs (CSHCN)	
Description	How many children have special health care needs?
Survey Items Used	K2Q10 - K2Q23
Denominator	Children age 0-17 years
Numerator	Children who do not have qualifying responses on any of the five CSHCN Screener criteria; Children with qualifying responses on one or more of the five CSHCN Screener criteria
Notes for Data-Users	
<p>Although the CSHCN Screener result (CSHCN) is provided in the 2011/12 NSCH public data file, we have included scoring syntax in order to illustrate how the CSHCN items are used to create component variables for each of the 5 domains and the final screener result.</p> <p>The NSCH uses the CSHCN Screener© to identify children with special health care needs. The Screener is a five item, parent-reported tool designed to reflect the federal Maternal and Child Health Bureau's consequences-based definition of children with special health care needs. It identifies children across the range and diversity of childhood chronic conditions and special needs, allowing a more comprehensive and robust assessment of children's needs and health care system performance than is attainable by focusing on a single diagnosis or type of special need. This instrument has been used in several national surveys including the Promoting Healthy Development Survey, the CAHPS-CCC, the NSCH, the NS-CSHCN, and MEPS. The CSHCN Screener was developed by the Child and Adolescent Health Measurement Initiative (CAHMI). For more information, please visit the CAHMI website: http://www.cahmi.org or contact us by e-mail: cahmi@ohsu.edu</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<pre> rxmeds_11 = 0; if K2Q10 = 1 and K2Q11 = 1 and K2Q12 = 1 then rxmeds_11 = rxmeds_11 + 1; label rxmeds_11 = "Qualified on rx med use?"; serve_11 = 0; if K2Q13 = 1 and K2Q14 = 1 and K2Q15 = 1 then serve_11 = serve_11 + 1; label serve_11 = "Qualified on elevated service use or need?"; func_11 = 0; if K2Q16 = 1 and K2Q17 = 1 and K2Q18 = 1 then func_11 = func_11 + 1; label func_11 = "Qualified on functional limits?"; therapy_11 = 0; if K2Q19 = 1 and K2Q20 = 1 and K2Q21 = 1 then therapy_11 = therapy_11 + 1; label therapy_11 = "Qualified on use of special therapies?"; </pre>	

Subgroups

```
mhealth_11 = 0;
if K2Q22 = 1 and K2Q23 = 1 then mhealth_11 = mhealth_11 + 1;
label mhealth_11 = "Qualified on ongoing emotional, developmental or behavioral conditions?";

cnt_qualnum = sum (func_11, serve_11, therapy_11, rxmeds_11, mhealth_11);

qualnum_11 = 0;
if cnt_qualnum = 1 then qualnum_11 = 1;
if cnt_qualnum = 2 then qualnum_11 = 2;
if cnt_qualnum = 3 then qualnum_11 = 3;
if cnt_qualnum = 4 then qualnum_11 = 4;
if cnt_qualnum = 5 then qualnum_11 = 5;
label qualnum_11 = "Number of qualifying CSHCN Screener answers?";

metlwi_11 = 0; /*Children qualifying as CSHCN*/
if rxmeds_11 = 1 or serve_11 = 1 or func_11 = 1 or therapy_11 = 1 or mhealth_11 = 1 then metlwi_11 = 1;
if metlwi_11 = 0 then metlwi_11 = 2;
if metlwi_11 in (6,7) then metlwi_11 = .;
label metlwi_11 = "Results for CSHCN Screener";

value nydef /*rxmeds_11 serve_11 func_11 therapy_11 mhealth_11*/
0 = "No"
1 = "Yes";

value numqual /*qualnum_11*/
0 = "No qualifying answers"
1 = "One qualifying answer"
2 = "Two qualifying answers"
3 = "Three qualifying answers"
4 = "Four qualifying answers"
5 = "Five qualifying answers";

value cshcn /*metlwi_11*/
1 = "CSHCN"
2 = "Non-CSHCN";
```

Subgroups

CSHCN screener qualifying categories	
Description	How many children qualified as having specific types of special health care needs (CSHCN) based on CSHCN screening criteria?
Survey Items Used	K2Q10 - K2Q23
Denominator	Children age 0-17 years
Numerator	Non-CSHCN (no qualifying health needs on CSHCN screener); CSHCN - functional limitations (alone or with any other qualifying needs); CSHCN - Rx meds only; CSHCN - Services only; CSHCN - Rx meds AND services
Notes for Data-Users	
<p>Researchers have used responses from the CSHCN screener questions to develop a measure of special needs type based on the following mutually exclusive categories:</p> <ul style="list-style-type: none"> • RX MEDS ONLY: Children in this group experience chronic health conditions that are managed primarily through prescription medication – often quite successfully as long as they have access to medical care and needed medication. • ELEVATED or ABOVE ROUTINE SERVICES USE: Children in this group qualify on one or more of the three screening criteria addressing elevated need or use of specialized services or therapies. The children in this group rely on one or more of a wide array of services – such as pediatric specialist care; early intervention; mental health care; developmental disabilities; special education; physical, occupational or speech therapies – to manage their chronic health conditions. • ELEVATED SERVICES USE and RX MEDS: Children in this group experience health needs that require both medication management and specialized services or therapies. These children qualify on one or more of the three screening criteria addressing elevated service use AND on the prescription medication screening criteria. • FUNCTIONAL LIMITATIONS: Children in this group qualify on the functional limitations criteria, nearly always in conjunction with one or more other screening criteria. In addition to other types of special needs, these children currently experience one or more functional limitations as result of their ongoing health conditions. <p>For more information, please see Bramlett, M. D., Read, D., Bethell, C., Blumberg, S. J. (2009). Differentiating Subgroups of Children with Special Health Care Needs by Health Status and Complexity of Health Care Needs. http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=DetailsSearch&Term=18386168%5Buid%5D Maternal and Child Health Journal. 13:151–163</p>	
Revisions in 2011-2012	
Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.	
SAS Syntax and Annotation	
<p>**STEP 1: Identifying children who qualify on the each of five different CSHCN screening criteria (see CSHCN prevalence above)</p> <p>** STEP 2: Compute .mutually exclusive sub groupings of special health care need types</p> <p>* -- based on type of qualifying screening criteria (qualitative approach)</p>	

Subgroups

```
def5_11 = 0;
if func_11 = 1 then def5_11 = 1;
if func_11 = 0 and rxmeds_11 = 1 and serve_11 = 0 and therapy_11 = 0 and mhealth_11 = 0 then def5_11 = 2;
if func_11 = 0 and rxmeds_11 = 0 and (serve_11 = 1 or therapy_11 = 1 or mhealth_11 = 1) then def5_11 = 3;
if func_11 = 0 and rxmeds_11 = 1 and (serve_11 = 1 or therapy_11 = 1 or mhealth_11 = 1) then def5_11 = 4;
/*if def5_11 = 0 then def5_11 = .;*/ /*OPTIONAL to exclude non-CSHCN from denominator*/
label def5_11 = "CSHCN screener regrouped into mutually exclusive qualifying categories of special types of needs";

value deffive /*def5_11*/
0 = "Non-CSHCN"
1 = "CSHCN with functional limitations"
2 = "CSHCN with conditions managed by prescription medication ONLY"
3 = "CSHCN Service use ONLY"
4 = "CSHCN with conditions managed by prescription medications AND service use needs";
```

Subgroups

Ongoing emotional, developmental, or behavioral needs and other special health care needs

Description How many children have special health care needs that include ongoing emotional, developmental and/or behavioral (EBD) health needs?

Survey Items Used K2Q22; K2Q23

Denominator Children age 0-17 years

Numerator Children who did not meet the screening criteria for ongoing emotional, development or behavioral conditions; Children who did meet the screening criteria for ongoing emotional, development or behavioral conditions

Notes for Data-Users

The CSHCN Screener is a validated screening instrument for identifying children with special health care needs as defined by the federal Maternal and Child Health Bureau. Respondents who indicate that the child has any kind of emotional, developmental, or behavioral problem that requires treatment or counseling (K2Q22 = Yes), and if so, whether the condition(s) have lasted or are expected to last for 12 months or longer (K2Q23). In order to qualify on the ongoing emotional, developmental, or behavioral conditions CSHCN screening criteria, a child must have YES responses to both parts of this screening question.

Revisions in 2011-2012

Same as the 2007 and 2003 NSCH; may compare across survey years with special attention to the addition of cell phones in the 2011/12 NSCH sample.

SAS Syntax and Annotation

```

mhneeds_11 = 0;
if CSHCN = 0 then mhneeds_11 = 3;
if CSHCN = 1 and mhealth_11 = 0 then mhneeds_11 = 2;
if CSHCN = 1 and mhealth_11 = 1 then mhneeds_11 = 1;
label mhneeds_11 = "CSHCN with and without emotional, developmental and/or behavioral health special needs ";

value mhneeds /*mhneeds_11*/
1 = "CSHCN qualifying on mhealth_11 (Q5 + any)"
2 = "CSHCN not qualifying on mhealth_11 (no Q5)"
3 = "Non-CSHCN";

```

Appendix A: Indicator and Subgroup Variables

Unweighted Frequency Tables



APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

SECTION 1: Physical and Dental Health

Indicator 1.1: In general, how would you describe [child name]'s health? Would you say [his/her] health is excellent, very good, good, fair, or poor?

ind1_1_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	31	0.03	31	0.03
Excellent/very good	83985	87.78	84016	87.81
Good	9269	9.69	93285	97.50
Fair/poor	2392	2.50	95677	100.00

Indicator 1.2: How would you describe the condition of [child name]'s teeth: excellent, very good, good, fair, or poor?

ind1_2_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/No natural teeth	72	0.08	72	0.08
Child less than 1 year of age	5122	5.35	5194	5.43
Excellent/very good	69730	72.88	74924	78.31
Good	15895	16.61	90819	94.92
Fair/poor	4858	5.08	95677	100.00

Indicator 1.2a: Child had toothache, decayed teeth, and/or unfilled cavities

ind1_2a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child less than 1 year of age	5122	5.35	5122	5.35
DK/Ref/Missing in error	258	0.27	5380	5.62
No oral health problems	75561	78.98	80941	84.60
One oral health problem	14736	15.40	95677	100.00

Indicator 1.3a: Exclusively breastfed or fed breast milk for first 6 months, age 6 months-5 years

ind1_3a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
6-17 yrs old or less than 6 months	67999	71.07	67999	71.07
DK/Ref/Missing in error	167	0.17	68166	71.25
Never breastfed or given breast milk	5978	6.25	74144	77.49
Exclusively breastfed for first 6 months	4445	4.65	78589	82.14
Breastfed, NOT exclusively for first 6 months	16855	17.62	95444	99.76
Breastfed, exclusivity not known	233	0.24	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 1.3: Was (child's name) ever breastfed or fed breast milk? (ages 0-5 yrs only)

ind1_3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Age 6-17 yrs	65680	68.65	65680	68.65
DK/Ref/Missing in error	168	0.18	65848	68.82
No	6327	6.61	72175	75.44
Yes	23502	24.56	95677	100.00

Indicator 1.4: What is the weight status of children based on Body Mass Index for age (BMI-for-age)?

ind1_4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Missing in error	1445	1.51	1445	1.51
Skip: Less than 10 yrs	50368	52.64	51813	54.15
Underweight -- less than 5th percentile	2503	2.62	54316	56.77
Healthy weight -- 5th to 84th percentile	28573	29.86	82889	86.63
Overweight -- 85th to 94th percentile	6495	6.79	89384	93.42
Obese -- 95th percentile or above	6293	6.58	95677	100.00

Indicator 1.5: During the past week, on how many days did [child name] exercise, play a sport, or participate in physical activity for at least 20 minutes that made [him/her] sweat and breathe hard, age 6-17

ind1_5_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	521	0.54	521	0.54
Skip: age less than 6 yrs	29997	31.35	30518	31.90
0 days	4990	5.22	35508	37.11
1-3 days	16013	16.74	51521	53.85
4-6 days	26228	27.41	77749	81.26
Everyday	17928	18.74	95677	100.00

Indicator 1.6: During the past 12 months, about how many days did [child name] miss school because of illness or injury, age 6-17

ind1_6_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 days	12947	13.53	43545	45.51
1-5 days	39516	41.30	83061	86.81
6-10 days	8612	9.00	91673	95.82
11 or more days	4004	4.18	95677	100.00
Not enrolled in school - No to K7Q01F	58	0.06	601	0.63
Home schooled/Did not go to school/DK/Ref/Missing in error	543	0.57	543	0.57
Skip: age less than 6 yrs	29997	31.35	30598	31.98

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 1.7: Child was born premature, more than 3 weeks before due date

ind1_7_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	878	0.92	878	0.92
No, child was not born premature	84049	87.85	84927	88.76
Yes, child was born premature	10750	11.24	95677	100.00

Indicator 1.8: Child's birth weight, converted into pounds

ind1_8_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Missing	4646	4.86	4646	4.86
Child was born with low birth weight (<2500g)	8277	8.65	12923	13.51
Child had normal birth weight	82754	86.49	95677	100.00

Indicator 1.8a: Child's birth weight, converted into pounds

ind1_8a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Missing	4646	4.86	4646	4.86
Child was born with very low birth weight (<1500g)	1449	1.51	6095	6.37
Child was born with low birth weight (1501-2500g)	6828	7.14	12923	13.51
Child had normal birth weight	82754	86.49	95677	100.00

Indicator 1.9a: How many children have one or more current chronic health conditions?

ind1_9a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to all	6	0.01	6	0.01
Does not have any current chronic health conditions from the list of 18 asked	73343	76.66	73349	76.66
Currently has 1 chronic health conditions from the list of 18 asked	12860	13.44	86209	90.10
Currently has 2 or more chronic health conditions from the list of 18 asked	9468	9.90	95677	100.00

SECTION 2: Emotional and Mental Health

Indicator 2.1: How many children (ages 4 mos-5yrs) have parents with one or more concerns about child's physical, behavioral or social development?

ind2_1_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Age 6-17 years	65680	68.65	65680	68.65
DK/Ref/Missing in error to all 9 questions	7	0.01	65687	68.65
Less than 4 months	1432	1.50	67119	70.15
No parent-reported concerns	17719	18.52	84838	88.67
1 or more parent-reported concerns	10839	11.33	95677	100.00

Indicator 2.2: Overall PEDS scoring results for risk of developmental, behavioral or social delay -- children ages 4mos - 5yrs

ind2_2_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
6-17 years	65680	68.65	65680	68.65
Child less than 4 months	1432	1.50	67112	70.14
Ref/Missing in error	25	0.03	67137	70.17
No or low risk	21722	22.70	88859	92.87
Moderate risk	4353	4.55	93212	97.42
High risk	2465	2.58	95677	100.00

Indicator 2.2a: Children play with others their age, 1-5 years old

ind2_2a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Age 6-17 years	65680	68.65	65680	68.65
DK/Ref/Missing in error	36	0.04	65716	68.69
Less than 1 yr old	5122	5.35	70838	74.04
No days per week	1999	2.09	72837	76.13
1-3 days per week	6573	6.87	79410	83.00
4-6 days per week	9916	10.36	89326	93.36
Every day	6351	6.64	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 2.3: Flourishing Composite Item, age 6 months-5 years

ind2_3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child age 6-17 years	65680	68.65	65680	68.65
Child is <6 months	2319	2.42	67999	71.07
DK/Ref/Missing in error to all 4 items	17	0.02	68016	71.09
Usually/Always responses to 0-2 items	1314	1.37	69330	72.46
Usually/Always responses to 3 items	4934	5.16	74264	77.62
Usually/Always responses to all 4 items	21413	22.38	95677	100.00

Indicator 2.4: Flourishing Composite Item, age 6-17 years

ind2_4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child age 0-5 years	29997	31.35	29997	31.35
DK/Ref/Missing in error to all 3 items	32	0.03	30029	31.39
Usually/Always responses to 0-1 items	15592	16.30	45621	47.68
Usually/Always responses to 2 items	17190	17.97	62811	65.65
Usually/Always responses to all 3 items	32866	34.35	95677	100.00

Indicator 2.7: How many children currently have ADD/ADHD and take medication for this condition?, age 2-17

ind2_7_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	323	0.34	323	0.34
Skip: age less than 2 yrs	10040	10.49	10363	10.83
Currently have condition and taking medication	4746	4.96	15109	15.79
Currently have condition but not taking medication	2000	2.09	17109	17.88
Does not currently have ADD or ADHD	78568	82.12	95677	100.00

Indicator 2.7a: Severity of current ADHD or ADD

ind2_7a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	343	0.36	343	0.36
Skip: age less than 2 yrs	10040	10.49	10383	10.85
Does not currently have ADD or ADHD	78568	82.12	88951	92.97
Current ADHD, rated mild	2950	3.08	91901	96.05
Current ADHD, rated moderate or severe	3776	3.95	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 2.8: How many children currently have autism or autism spectrum disorder, age 2-17

ind2_8_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	155	0.16	155	0.16
Skip: age less than 2 yrs	10040	10.49	10195	10.66
Do not currently have	83515	87.29	93710	97.94
Ever told, but not current	343	0.36	94053	98.30
Currently have autism	1624	1.70	95677	100.00

Indicator 2.8a: Severity of current autism, age 2-17

ind2_8a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	164	0.17	164	0.17
Less than 2 years old	10040	10.49	10204	10.67
Does not currently have autism	83858	87.65	94062	98.31
Current autism, rated mild	889	0.93	94951	99.24
Current autism, rated moderate	537	0.56	95488	99.80
Current autism, rated severe	189	0.20	95677	100.00

Indicator 2.9: Is child currently taking any meds for problems with emotions, concentration or behavior?, age 2-17

ind2_9_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	55	0.06	55	0.06
Skip: age less than 2 yrs	10040	10.49	10095	10.55
No, not on meds for emotions etc.	78648	82.20	88743	92.75
Yes, on meds for emotions etc.	6934	7.25	95677	100.00

ind2_10_11: Does [child] currently have any developmental delay? - age 2-17

ind2_10_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child less than 2 yrs	10040	10.49	10040	10.49
DK/Ref/Missing in error	141	0.15	10181	10.64
Do not currently have	80287	83.91	90468	94.56
Ever told, but not current	2095	2.19	92563	96.75
Currently have developmental delay	3114	3.25	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

ind2_10a_11: Severity of current developmental - age 2-17

ind2_10a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	149	0.16	149	0.16
Less than 2 years old	10040	10.49	10189	10.65
Does not currently have developmental delay	82382	86.10	92571	96.75
Current developmental delay, rated mild	1417	1.48	93988	98.23
Current developmental delay, rated moderate	1205	1.26	95193	99.49
Current developmental delay, rated severe	484	0.51	95677	100.00

SECTION 3: Health Insurance Coverage

Indicator 3.1: Does [S.C.] have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicaid?

ind3_1_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref	166	0.17	166	0.17
No	4040	4.22	4206	4.40
Yes	91471	95.60	95677	100.00

Indicator 3.2: During the past 12 months/ Since [his/her] birth], was there any time when [he/she] was not covered by ANY health insurance?

ind3_2_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	536	0.56	536	0.56
Consistently insured during past year	86929	90.86	87465	91.42
Currently uninsured or periods of no coverage during year	8212	8.58	95677	100.00

Indicator 3.3: Type of insurance coverage

ind3_3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	1177	1.23	1177	1.23
Public insurance such as Medicaid or SCHIP	27381	28.62	28558	29.85
Private health insurance	63079	65.93	91637	95.78
Currently uninsured	4040	4.22	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 3.4: Adequacy of child's current health insurance coverage

ind3_4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing to all	376	0.39	376	0.39
Legit skip: Uninsured	4040	4.22	4416	4.62
Current insurance adequate for child's needs	70451	73.63	74867	78.25
Current insurance NOT adequate for child's needs	20810	21.75	95677	100.00

SECTION 4: Health Care Access and Quality

Indicator 4.1: Children with one or more preventive medical visits in past 12 months

ind4_1_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to both	754	0.79	754	0.79
No preventive visits	14337	14.98	15091	15.77
1 or more visits	80586	84.23	95677	100.00

Indicator 4.1a: Child received ANY kind of medical care in past 12 months

ind4_1a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	149	0.16	149	0.16
Did NOT receive ANY medical care	9886	10.33	10035	10.49
Received medical care	85642	89.51	95677	100.00

Indicator 4.2: Children received one or more routine preventive dental care, such as check-ups or dental screenings in past 12 months – ages 1-17

ind4_2_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to both	315	0.33	315	0.33
Less than 1 year old	5122	5.35	5437	5.68
No preventive dental visits	17941	18.75	23378	24.43
1 or more dental preventive visits	72299	75.57	95677	100.00

Indicator 4_2a: Children received ANY kind of dental care in past 12 months

ind4_2a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	165	0.17	165	0.17
Less than 1 year old	5122	5.35	5287	5.53
Did NOT receive ANY dental care	17613	18.41	22900	23.93
Received dental care	72777	76.07	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 4.3: How many children received BOTH routine preventive medical AND dental care visits in the past 12 months? (ages 0-17)

ind4_3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	980	1.02	980	1.02
Did NOT receive both medical and dental preventive care	28143	29.41	29123	30.44
Received BOTH medical and dental preventive care	66554	69.56	95677	100.00

Indicator 4.4: Family participated in home visitation program

ind4_4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child is 4-17 years old	76227	79.67	76227	79.67
DK/Ref/Missing in error	49	0.05	76276	79.72
Family did NOT participate in home visitation program	16406	17.15	92682	96.87
Family participated in home visitation program	2995	3.13	95677	100.00

Indicator 4.5: How many children/youth (ages 2-17) with current emotional, developmental, or behavioral problems requiring treatment or counseling received some type of mental health care during the past 12 months?

ind4_5_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Children less than 2 years	10040	10.49	10040	10.49
DK/Ref/Missing in error to both	184	0.19	10224	10.69
No condition needing mental health counseling	77650	81.16	87874	91.84
Needed and DID NOT get any mental health tx/counseling	2794	2.92	90668	94.76
Needed and received mental health tx or counseling	5009	5.24	95677	100.00

Indicator 4.6: One or more unmet health needs, delayed or not received

ind4_6_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to all	146	0.15	146	0.15
No unmet health needs	89889	93.95	90035	94.10
Unmet need for one or more type	5642	5.90	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 4.7: Child has had vision tested (ever for children 0-4 years, in past 2 years for children 5-17 years)

ind4_7_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	1676	1.75	1676	1.75
Child has NOT had vision tested	28111	29.38	29787	31.13
Child has had vision tested	65890	68.87	95677	100.00

Indicator 4.8: % Children (age 0-17) receiving coordinated, ongoing, comprehensive care within a medical home

ind4_8_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to any	2927	3.06	2927	3.06
Care DOES NOT meet medical home criteria	36493	38.14	39420	41.20
Care MEETS medical home criteria	56257	58.80	95677	100.00

Indicator 4.9: Personal Doctor or Nurse sub-component of MEDICAL HOME composite measure

ind4_9_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	214	0.22	214	0.22
Does not have a personal dr or nurse	7374	7.71	7588	7.93
Yes, has at least one personal dr or nurse	88089	92.07	95677	100.00

Indicator 4.9a: Usual Sources for Sick Care sub-component of MEDICAL HOME composite measure

ind4_9a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	179	0.19	179	0.19
Does not have usual sources for sick care	5811	6.07	5990	6.26
Child does have usual sources for sick care	89687	93.74	95677	100.00

Indicator 4.9b: Family-centered care sub-component of MEDICAL HOME measure

ind4_9b_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to any	1622	1.70	1622	1.70
Does not have family-centered care	25106	26.24	26728	27.94
Yes, has family-centered care	65994	68.98	92722	96.91
Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos	2955	3.09	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 4.9c: Getting Needed Referrals sub-component of MEDICAL HOME composite measure

ind4_9c_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing	232	0.24	232	0.24
No problems getting referral, when needed	13672	14.29	13904	14.53
Big or small problem getting referral, when needed	2843	2.97	16747	17.50
Legitimate skip b/c referrals are not needed	78930	82.50	95677	100.00

Indicator 4.9d: Effective Care Coordination sub-component of MEDICAL HOME composite measure

ind4_9d_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	986	1.03	986	1.03
Did not meet 1 or more needed elements of care coor	12673	13.25	13659	14.28
Met all needed components of care coor or legitimate skip	27782	29.04	41441	43.31
Legit skip -- no one helps with care coor or <2 services used past 12 mos	54236	56.69	95677	100.00

Indicator 4.10: Family had problems paying or were unable to pay for child's medical bills in past 12 months

ind4_10_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	205	0.21	205	0.21
No problems	85577	89.44	85782	89.66
Yes, had problems paying for child's medical bills	9451	9.88	95233	99.54
No medical expenses	444	0.46	95677	100.00

Indicator 4.11: How often have you been frustrated in efforts to obtain health care services for child

ind4_11_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	183	0.19	183	0.19
Never	76107	79.55	76290	79.74
Sometimes	14793	15.46	91083	95.20
Usually/Always	4594	4.80	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 4.12: How many children had a problem accessing specialty care, whether they received it or needed it?

ind4_12_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	177	0.18	177	0.18
Did not need or receive specialty care	67967	71.04	68144	71.22
Needed or received/no problem	21920	22.91	90064	94.13
Needed or received/had a problem	5613	5.87	95677	100.00

Indicator 4.12a: Received care from a specialist (non-mental health) in the past 12 months

ind4_12a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	96	0.10	96	0.10
Did not receive care from specialist	71535	74.77	71631	74.87
Received care from specialist	24046	25.13	95677	100.00

Indicator 4.14: During past 12 months did doctor ask about developmental concerns (age 0-5)?

ind4_14_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child 6 years or older	65680	68.65	65680	68.65
DK/Ref/Missing in error	242	0.25	65922	68.90
No visits during past 12 months	1229	1.28	67151	70.19
Had visit, did NOT ask	13024	13.61	80175	83.80
Had visit, YES asked	15502	16.20	95677	100.00

Indicator 4.16: Children ages 10-71 mos receiving both types of screening content

ind4_16_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Age 0-10 months OR Age 6-17 years	70778	73.98	70778	73.98
DK/Ref/Missing in error to both types of content	621	0.65	71399	74.63
No, did not receive both types of content	17086	17.86	88485	92.48
Yes, filled out questionnaire and received both types of scrn content	7192	7.52	95677	100.00

SECTION 5: Community and School Activities

Indicator 5.1a: Does [child name] have any developmental problems for which he/she has a written intervention plan called an IFSP or IEP? age 1-5

ind5_1a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	87	0.09	87	0.09
Skip: Under 1 or 6-17 years	70802	74.00	70889	74.09
No	23459	24.52	94348	98.61
Yes	1329	1.39	95677	100.00

Indicator 5.1b: Does [child name] have a health problem, condition, or disability for which he/she has a written intervention plan called an Individualized Education Program or IEP? age 6-17

ind5_1b_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	200	0.21	200	0.21
Skip: age 0-5 years	29997	31.35	30197	31.56
No	57766	60.38	87963	91.94
Yes	7714	8.06	95677	100.00

Indicator 5.2: Since starting kindergarten, has [child name] repeated any grades?, ages 6-17

ind5_2_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	159	0.17	159	0.17
Skip: age 0-5 years	29997	31.35	30156	31.52
No	60674	63.42	90830	94.93
Yes	4847	5.07	95677	100.00

Indicator 5.2a: Engaged in school - cares about doing well and does homework, past month, ages 6-17

ind5_2a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to both	63	0.07	63	0.07
Skip: age 0-5 years	29997	31.35	30060	31.42
Never, rarely, or sometimes is engaged in school	12417	12.98	42477	44.40
Usually is engaged in school	20502	21.43	62979	65.82
Always is engaged in school	32698	34.18	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 5.2b: What grades has [child name] repeated? ages 6-17

ind5_2b_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	159	0.17	159	0.17
Skip: age 0-5 yrs	29997	31.35	30156	31.52
No grades repeated	60674	63.42	90830	94.93
Repeated Kindergarten	1474	1.54	92304	96.47
Repeated Elementary School Grade	2763	2.89	95067	99.36
Repeated Middle School Grade	411	0.43	95478	99.79
Repeated High School Grade	199	0.21	95677	100.00

Indicator 5.3: Participates in 1 or more organized activities outside of school, ages 6-17

ind5_3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/missing in error to all	24	0.03	24	0.03
Skip: 0-5 years	29997	31.35	30021	31.38
Child participates in one or more extracurricular activities	56041	58.57	86062	89.95
Child does not participate in extracurricular activities	9615	10.05	95677	100.00

Indicator 5.4: Frequency of participation in volunteer work or community service, past 12 months, age 12-17

ind5_4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/missing in error to all	104	0.11	104	0.11
Skip: 0-11 years	61076	63.84	61180	63.94
Never	5833	6.10	67013	70.04
A few times a year	15251	15.94	82264	85.98
A few times a month	8679	9.07	90943	95.05
Once a week or more	4734	4.95	95677	100.00

Indicator 5.5: Worked outside home for pay during past week, ages 12-17

ind5_5_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/missing in error to all	147	0.15	147	0.15
Skip: 0-11 years	61076	63.84	61223	63.99
Did not work for pay last week	23490	24.55	84713	88.54
Worked up to 9 hours	7894	8.25	92607	96.79
Worked 10 hours or more	3070	3.21	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 5.6: Time spent reading for pleasure on an average weekday, ages 6-17

ind5_6_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	581	0.61	581	0.61
Skip: 0-5 years	29997	31.35	30578	31.96
None	10017	10.47	40595	42.43
30 minutes or less	27640	28.89	68235	71.32
31-60 minutes	16122	16.85	84357	88.17
More than 1 hour	11225	11.73	95582	99.90
Child cannot read	95	0.10	95677	100.00

Indicator 5.7: How often do children attend religious services

ind5_7_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	475	0.50	475	0.50
Does not attend religious services	23119	24.16	23594	24.66
More than once a year but less than once a month	9889	10.34	33483	35.00
At least once a month but less than once a week	15861	16.58	49344	51.57
Once a week or more	46333	48.43	95677	100.00

Indicator 5.8: Child had at least one adult mentor at school, neighborhood or community - other than adults in the household, who he/she can rely on for advice/guidance

ind5_8_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	1317	1.38	1317	1.38
Skip: age 0-5 years	29997	31.35	31314	32.73
No adult mentors	4390	4.59	35704	37.32
One or more adult mentors	59973	62.68	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

SECTION 6: Family Health and Activities

Indicator 6.1: In general, what is the status of [child name]'s [mother's/your] health?

ind6_1_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/missing in error/partial interview	873	0.91	873	0.91
No mother living in house	6344	6.63	7217	7.54
Excellent/very good	60491	63.22	67708	70.77
Good	19374	20.25	87082	91.02
Fair/poor	8595	8.98	95677	100.00

Indicator 6.1a: In general, what is the status of [child name]'s [father's/your] health?

ind6_1a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/missing in error/partial interview	824	0.86	824	0.86
No father living in house	18861	19.71	19685	20.57
Excellent/Very Good	54356	56.81	74041	77.39
Good	16075	16.80	90116	94.19
Fair/Poor	5561	5.81	95677	100.00

Indicator 6.2: In general, what is the status of [child name]'s [mother's/your] mental and emotional health?

ind6_2_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	983	1.03	983	1.03
No mother living in house	6344	6.63	7327	7.66
Excellent/very good	66438	69.44	73765	77.10
Good	16474	17.22	90239	94.32
Fair/poor	5438	5.68	95677	100.00

Indicator 6.2a: In general, what is the status of [child name]'s [father's/your] mental and emotional health?

ind6_2a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	917	0.96	917	0.96
No father living in house	18861	19.71	19778	20.67
Excellent/very good	60668	63.41	80446	84.08
Good	12113	12.66	92559	96.74
Fair/poor	3118	3.26	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 6.3: Mother's overall physical AND mental-emotional health status, children living with biological, step, adopted or foster mother

ind6_3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	1028	1.07	1028	1.07
No mother living in house	6344	6.63	7372	7.71
One or both NOT excellent/very good	34358	35.91	41730	43.62
BOTH are excellent/very good	53947	56.38	95677	100.00

Indicator 6.3a: Father's overall physical AND mental-emotional health status, children living with biological, step, adopted or foster father

ind6_3a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	941	0.98	941	0.98
No father living in house	18861	19.71	19802	20.70
One or both NOT excellent/very good	26272	27.46	46074	48.16
BOTH are excellent/very good	49603	51.84	95677	100.00

Indicator 6.4: Children live in household in which someone uses cigarettes, cigars, or pipe tobacco

ind6_4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	923	0.96	923	0.96
No	72617	75.90	73540	76.86
Yes	22137	23.14	95677	100.00

Indicator 6.4a: Whether tobacco smoker lives in household and, if so, exposure to secondhand smoke inside home

ind6_4a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	929	0.97	929	0.97
No one uses tobacco	72617	75.90	73546	76.87
Someone uses tobacco - not inside the house	17508	18.30	91054	95.17
Someone uses tobacco - smokes inside the house	4623	4.83	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 6.5: Children live in working poor households--parents employed full-time with income less than 100% FPL (using version 3 of imputed income)

ind6_5_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	1988	2.08	1988	2.08
Does not live in 'working poor' HH	85120	88.97	87108	91.04
Lives in 'working poor' household	8569	8.96	95677	100.00

Indicator 6.6: Number of days children went on outings with family members, past week, age 0-5

ind6_6_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	38	0.04	38	0.04
Legit skip: age 6-17 years	65680	68.65	65718	68.69
No days	702	0.73	66420	69.42
1-3 days	12603	13.17	79023	82.59
4-6 days	12088	12.63	91111	95.23
Every day	4566	4.77	95677	100.00

Indicator 6.7: Number of days family members read to children, past week, age 0-5

ind6_7_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	94	0.10	94	0.10
Legit skip: age 6-17 years	65680	68.65	65774	68.75
No days	1449	1.51	67223	70.26
1 or 2 days	2463	2.57	69686	72.83
3 or 4 days	4644	4.85	74330	77.69
5 or 6 days	4621	4.83	78951	82.52
Every day	16726	17.48	95677	100.00

Indicator 6.7a: Number of days family members sang or told stories to children, past week, age 0-5

ind6_7a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	118	0.12	118	0.12
Legit skip: age 6-17 years	65680	68.65	65798	68.77
No days	949	0.99	66747	69.76
1 or 2 days	2122	2.22	68869	71.98
3 or 4 days	4196	4.39	73065	76.37
5 or 6 days	4300	4.49	77365	80.86
Every day	18312	19.14	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 6.8: Number of days all the family members who live in the household eat a meal together, past week

ind6_8_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	240	0.25	240	0.25
No days	3284	3.43	3524	3.68
1-3 days	17050	17.82	20574	21.50
4-6 days	31946	33.39	52520	54.89
Every day	43157	45.11	95677	100.00

Indicator 6.9: Number of nights children had enough sleep, past week, age 6-17

ind6_9_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	550	0.57	550	0.57
Legit skip: age 0-5 years	29997	31.35	30547	31.93
No nights	1501	1.57	32048	33.50
1-3 nights	4017	4.20	36065	37.69
4-6 nights	23313	24.37	59378	62.06
Every night	36299	37.94	95677	100.00

Indicator 6.10: Time spent watching TV or videos on average weekday-- age 1to17 yrs

ind6_10_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child is less than 1 year of age	5122	5.35	5122	5.35
DK/Ref/Missing in error/Does not own TV	428	0.45	5550	5.80
Does not watch T	5806	6.07	11356	11.87
Watches TV 1 hour or less per day	38536	40.28	49892	52.15
Watches TV more than 1 hour but less than 4 hours per day	36284	37.92	86176	90.07
Watches TV 4 hours or more per day	9501	9.93	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 6.10a: Hours of TV or videos per weekday, age 1-5

ind6_10a_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child is less than 1 year of age or 6-17 years	70802	74.00	70802	74.00
DK/REF/Missing in error/Does not own Electronic Devices	194	0.20	70996	74.20
Does not Use Electronic Devices	12324	12.88	83320	87.08
Uses Electronic Devices 1 hour or less per day	10262	10.73	93582	97.81
Uses Electronic Devices more than 1 hour but less than 4 hours per day	1635	1.71	95217	99.52
Uses Electronic Devices 4 hours or more per day	460	0.48	95677	100.00

Indicator 6.10b: Time spent using electronic devices average weekday-- children age 6to17 yrs

ind6_10b_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Child is 0-5 years	29997	31.35	29997	31.35
DK/REF/Missing in error/Does not own Electronic Devices	647	0.68	30644	32.03
Does not Use Electronic Devices	8357	8.73	39001	40.76
Uses Electronic Devices 1 hour or less per day	34521	36.08	73522	76.84
Uses Electronic Devices more than 1 hour but less than 4 hours per day	15257	15.95	88779	92.79
Uses Electronic Devices 4 hours or more per day	6898	7.21	95677	100.00

Indicator 6.10c: Is there a television or electronic devices in his/her bedroom?, age 6-17

ind6_10c_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/REF/System Missing	45	0.05	45	0.05
Skip: age 0-5 yrs	29997	31.35	30042	31.40
Yes	35768	37.38	65810	68.78
No	29867	31.22	95677	100.00

Indicator 6.11: Number of Adverse Family Experiences for child, of 9 asked about

ind6_11_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview to all 9 AFES	1157	1.21	1157	1.21
Child experienced no adverse family experiences, of 9 asked about	53528	55.95	54685	57.16
Child experienced one adverse family experience	21877	22.87	76562	80.02
Child experienced two or more adverse family experiences	19115	19.98	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 6.12: Percent of children with one or more usually or always responses

ind6_12_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview to all 3 items	233	0.24	233	0.24
No usually/always responses	86862	90.79	87095	91.03
1 or more usually/always responses	8582	8.97	95677	100.00

Indicator 6.14: Child care problems affected employment of family members, past 12 months, age 0-5

ind6_14_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Children 6-17 years old	65680	68.65	65680	68.65
DK/Ref/Missing in error	28	0.03	65708	68.68
No, not affected	26429	27.62	92137	96.30
Yes, worklife affected	3540	3.70	95677	100.00

SECTION 7: Neighborhood Safety and Support

Indicator 7.1: How many children live in supportive neighborhoods?

ind7_1_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview to all	2208	2.31	2208	2.31
Do not live in supportive neighborhoods	13136	13.73	15344	16.04
Live in supportive neighborhoods	80333	83.96	95677	100.00

Indicator 7.2: How often do you feel [child name] is safe in your community or neighborhood? Would you say never, sometimes, usually, or always?

ind7_2_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	1776	1.86	1776	1.86
Never/Sometimes safe	8867	9.27	10643	11.12
Usually/Always safe	85034	88.88	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Indicator 7.3: How often do you feel [child name] is safe at school? Would you say never, sometimes, usually, or always?, age 6-17

ind7_3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview	1184	1.24	1184	1.24
Legit skip: age 0-5 years or Home-schooled /not in school	31716	33.15	32900	34.39
Never/Sometimes safe	3459	3.62	36359	38.00
Usually/Always safe	59318	62.00	95677	100.00

Indicator 7.4: Count of amenities in children's neighborhoods

ind7_4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview to any of the questions	3053	3.19	3053	3.19
No amenities	3474	3.63	6527	6.82
Neighborhood has 1 amenity from the list	5761	6.02	12288	12.84
Neighborhood has 2 amenities from the list	11681	12.21	23969	25.05
Neighborhood has 3 amenities from the list	22438	23.45	46407	48.50
Neighborhood has all 4 amenities from the list	49270	51.50	95677	100.00

Indicator 7.5: Count of detracting neighborhood elements

ind7_5_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error/Partial interview to any of the question	1796	1.88	1796	1.88
No detracting elements in the neighborhood	68254	71.34	70050	73.22
Neighborhood has 1 detracting element from the list	16349	17.09	86399	90.30
Neighborhood has 2 detracting elements from the list	6121	6.40	92520	96.70
Neighborhood has 3 detracting elements from the list	3157	3.30	95677	100.00

SUBGROUPS for Stratification

Children's age in 3 categories

age3_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0-5 yrs old	29997	31.35	29997	31.35
6-11 yrs old	31079	32.48	61076	63.84
12-17 yrs old	34601	36.16	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Children's age in 5 categories

age5_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0-3 yrs old	19450	20.33	19450	20.33
4-7 yrs old	20661	21.59	40111	41.92
8-11 yrs old	20965	21.91	61076	63.84
12-14 yrs old	16157	16.89	77233	80.72
15-17 yrs old	18444	19.28	95677	100.00

Sex of child

sex_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref	109	0.11	109	0.11
Male	49219	51.44	49328	51.56
Female	46349	48.44	95677	100.00

Race and ethnicity of child

race4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to HISPANIC or RACER or both	2293	2.40	2293	2.40
Hispanic	12682	13.26	14975	15.65
White, non-Hispanic	61381	64.15	76356	79.81
Black, non-Hispanic	8875	9.28	85231	89.08
Multi-racial/Other, non-Hispanic	10446	10.92	95677	100.00

Primary household language parsed to Hispanic and non-Hispanic

hisplang_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing to PHL or race4_11	2346	2.45	2346	2.45
Hispanic child Spanish PHL	5174	5.41	7520	7.86
Hispanic child English PHL	7482	7.82	15002	15.68
Non-Hispanic child	80675	84.32	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

Type of family structure in household

famstruct_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Missing in error	1165	1.22	1165	1.22
Two parent--biological or adopted	66287	69.28	67452	70.50
Two parent--step family	6563	6.86	74015	77.36
Single mother--no father present	15113	15.80	89128	93.16
Other family type	6549	6.84	95677	100.00

Derived. Household income level based on DHHS guidelines - Imputed; single imputation using version 3

povlev4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 100% FPL	14928	15.60	14928	15.60
100-199% FPL	17183	17.96	32111	33.56
200-399% FPL	28924	30.23	61035	63.79
400% or more FPL	34642	36.21	95677	100.00

Household income level grouped by SCHIP income criteria - Imputed; single imputation using version 3

povSCHIP_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 199% FPL	32111	33.56	32111	33.56
200-299% FPL	15449	16.15	47560	49.71
300-399% FPL	13475	14.08	61035	63.79
400% or more FPL	34642	36.21	95677	100.00

Results for CSHCN Screener

metlwi_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
CSHCN	19687	20.58	19687	20.58
Non-CSHCN	75990	79.42	95677	100.00

APPENDIX A: Unweighted Frequency Tables for Indicators and Subgroups

CSHCN screener regrouped into mutually exclusive qualifying categories of special types of needs

def5_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Non-CSHCN	75990	79.42	75990	79.42
CSHCN with functional limitations	4427	4.63	80417	84.05
CSHCN with conditions managed by prescription medication ONLY	7298	7.63	87715	91.68
CSHCN Service use ONLY	3007	3.14	90722	94.82
CSHCN with conditions managed by prescription medications AND service use needs	4955	5.18	95677	100.00

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

mhneeds_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
CSHCN qualifying on mhealth_11 (Q5 + any)	6810	7.12	6810	7.12
CSHCN not qualifying on mhealth_11 (no Q5)	12877	13.46	19687	20.58
Non-CSHCN	75990	79.42	95677	100.00

Appendix B: Medical Home Variables

Unweighted Frequency Tables



PERSONAL DOCTOR OR NURSE

Personal Doctor or Nurse sub-component of MEDICAL HOME composite measure

pdn_11	Frequency	Percent	Cumulative Frequenc	Cumulative Percent
DK/Ref/Missing in error	214	0.22	214	0.22
Do not have a personal dr or nurse	7374	7.71	7588	7.93
Yes, has at least one personal dr or nurse	88089	92.07	95677	100.00

FAMILY-CENTERED CARE

How often doctor spends enough time

time_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	525	0.55	525	0.55
Sometimes/never	15590	16.29	16115	16.84
Always/usually	76607	80.07	92722	96.91
Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos	2955	3.09	95677	100.00

How often doctor listens carefully

listen_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	371	0.39	371	0.39
Sometimes/never	7649	7.99	8020	8.38
Always/usually	84702	88.53	92722	96.91
Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos	2955	3.09	95677	100.00

How often doctor sensitive to family values and customs

sensitiv_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	615	0.64	615	0.64
Sometimes/never	7150	7.47	7765	8.12
Always/usually	84957	88.80	92722	96.91
Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos	2955	3.09	95677	100.00

How often doctor provides needed information

info_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	441	0.46	441	0.46
Sometimes/never	11453	11.97	11894	12.43
Always/usually	80828	84.48	92722	96.91
Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos	2955	3.09	95677	100.00

How often doctor makes parent feel like partner in child's care

partner_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	304	0.32	304	0.32
Sometimes/never	9044	9.45	9348	9.77
Always/usually	83374	87.14	92722	96.91
Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos	2955	3.09	95677	100.00

Family-centered care sub-component of MEDICAL HOME measure

famcent_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to any	1622	1.70	1622	1.70
Does not have FCC	25106	26.24	26728	27.94
Yes, has FCC	65994	68.98	92722	96.91
Legitimate skip - did not have prev med or dental care, mh care or need/see specialist past 12 mos	2955	3.09	95677	100.00

GETTING NEEDED REFERRALS

Getting Needed Referrals sub-component of MEDICAL HOME composite measure

norefprb_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing	232	0.24	232	0.24
Big or small problem getting referral, when needed	2843	2.97	3075	3.21
No problems getting referral, when needed	13672	14.29	16747	17.50
Legitimate skip b/c referrals are not needed	78930	82.50	95677	100.00

USUAL SOURCES OF CARE

Usual Sources for Sick and Well Care sub-component of MEDICAL HOME composite measure

usuals_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	179	0.19	179	0.19
Child does not have usual sources for sick care	5811	6.07	5990	6.26
Child DOES have usual sources for sick care	89687	93.74	95677	100.00

EFFECTIVE CARE COORDINATION

Received counseling or tx from mental hlth professional, last 12 mos

K4Q22R_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	95	0.10	95	0.10
Less than 2 yrs old or	10040	10.49	10135	10.59
No	77192	80.68	87327	91.27
Yes	8350	8.73	95677	100.00

Needed doctor communication - Received mental health and/or specialist care during past 12 months

need_drcomm_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to both services	21	0.02	21	0.02
Did not use services for dr comm denominator	66420	69.42	66441	69.44
Used 1 or both services for dr comm denominator	29236	30.56	95677	100.00

Satisfaction with dr-to-dr communication

K5Q30R_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	308	0.32	308	0.32
Used less than 2 of 4 services, past 12 mos	22942	23.98	23250	24.30
Very satisfied	54981	57.47	78231	81.77
Somewhat satisfied	13997	14.63	92228	96.40
Somewhat dissatisfied	1756	1.84	93984	98.23
Very dissatisfied	769	0.80	94753	99.03
No communication needed or wanted	924	0.97	95677	100.00

Level of satisfaction with doctor to doctor communication

drcomm_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing to both needed services or satis w/ dr comm	123	0.13	123	0.13
Less than very satisfied	8293	8.67	8416	8.80
Very satisfied	20349	21.27	28765	30.06
Legit skip -- no comm needed or did not use required services	66912	69.94	95677	100.00

Needed doctor communication w/ school or other services

K5Q31R_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error	580	0.61	580	0.61
Used 0 of 4 services, past 12 mos	2955	3.09	3535	3.69
No	80264	83.89	83799	87.59
Yes	11878	12.41	95677	100.00

Level of satisfaction with dr communication w/ school or other services

othcomm_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref to either item	636	0.66	636	0.66
Less than very satisfied	4531	4.74	5167	5.40
Very satisfied	7268	7.60	12435	13.00
Legit skip -- no comm needed or did not use required services	83242	87.00	95677	100.00

Does anyone help to arrange or coordinate child's health care

K5Q20R_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Used less than 2 required services, past 12 mos	22942	23.98	22942	23.98
DK/Ref/Missing in error	143	0.15	23085	24.13
No	58714	61.37	81799	85.49
Yes	13878	14.51	95677	100.00

Could use extra help to arrange/coordinate child's health care

K5Q21R_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Used less than 2 required services, past 12 mos	22942	23.98	22942	23.98
DK/Ref/Missing in error	112	0.12	23054	24.10
No	65875	68.85	88929	92.95
Yes	6748	7.05	95677	100.00

Gets help with care coordination when needed

carehelp_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing to any	268	0.28	268	0.28
Needed extra help/did not get it	4582	4.79	4850	5.07
Got help with care coor and/or extra help when needed	13710	14.33	18560	19.40
Legit skip -- used <2 required services or does not get or need extra help	77117	80.60	95677	100.00

Effective Care Coordination sub-component of MEDICAL HOME composite measure

carecoor_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing to any	986	1.03	986	1.03
Did not meet 1 or more needed elements of care coor	12673	13.25	13659	14.28
Met all needed components of care coor or legitimate skip	27782	29.04	41441	43.31
Legit skip -- no one helps with care coor or >2 services used past 12 mos	54236	56.69	95677	100.00

MEDICAL HOME

% Children (age 0-17) receiving coordinated, ongoing, comprehensive care within a medical home

mh_comp	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DK/Ref/Missing in error to any	2927	3.06	2927	3.06
Care DOES NOT meet medical home criteria	36493	38.14	39420	41.20
Care MEETS medical home criteria	56257	58.80	95677	100.00

Appendix C: Household Income Missing Values



Single Imputation for Missing Values: Household Income

Missing or Invalid Responses to Income Level Questions

The 2011-2012 NSCH offers a rich source of data for studying the relationships between income and health and for monitoring health and health care for children at different income levels. However, as is common for household interview surveys, non-response rates tend to be high for the NSCH question on total combined household income during the previous calendar year. Answers to this question, along with answers to a question about the number of people living in the child's household, are used to create an index of income relative to the Department of Health and Human Services Federal Poverty Guidelines (FPL). If a valid response was not obtained for either of these two components, the household poverty status indicator was assigned a missing value code in the publicly released dataset. In 2011-2012 NSCH, 8,856 respondents, 9.7% of the national sample of 95,677, had missing values for Household Income.

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.

Imputation of unknown values accomplishes three things. First, it adjusts for observed differences between item non-respondents and item respondents. Second, imputed response values permit bivariate and multivariate statistical analysis without the need to exclude cases that are missing a value for the imputed variable yet have valid responses on other items. Finally, imputation offers a standardized approach to resolving non-response issues and contributes to improved consistency and comparability of analyses conducted by many researchers.

The National Center for Health Statistics offers a data file containing five sets of imputed income values for the 2011-2012 NSCH. This file is appropriate for use with software able to accommodate multiple imputation analyses and is available free of charge (see below).

The income level variables ("povlev4_11" and "povSCHIP_11") in the DRC 2011-2012 NSCH Indicator Dataset were generated using a single imputation value from the 2011-2012 NSCH imputed data file. Using single imputation for income 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 income is more productive than excluding cases with missing income data from analyses. If desired, the variable "POVERTY_LEVELR" may be used to identify records containing imputed income values.

Additional information about income imputation for the NSCH may be found in Appendix XII of the Design and Operation of the National Survey of Children's Health, 2007 until the release of the Design and

APPENDIX C: Single Imputation - Household Income

Operation report for the 2011/12. The report is available at:

http://www.cdc.gov/nchs/data/series/sr_01/sr01_055.pdf. Additional information is also included in the FAQs on the NCHS website

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slait/nsch_2011_2012/01_Frequently_asked_questions/NSCH_2011_2012_FAQs.pdf

A SAS data file with imputed income estimates may be downloaded from National Survey of Children's Health web page, ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slait/nsch_2011_2012/03_Dataset/.

APPENDIX C: Single Imputation - Household Income

**DERIVED. Poverty level of this household based on DHHS poverty guidelines
(8 categories)**

POVERTY_LEVELR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M - MISSING IN ERROR	8856	9.26	8856	9.26
1 - AA AND A - AT OR BELOW 100% OF POVERTY	13071	13.66	21927	22.92
2 - B - ABOVE 100% TO AT OR BELOW 133% POVERTY LEVEL	6670	6.97	28597	29.89
3 - C - ABOVE 133% TO AT OR BELOW 150% POVERTY LEVEL	1225	1.28	29822	31.17
4 - D - ABOVE 150% TO AT OR BELOW 185% POVERTY LEVEL	5605	5.86	35427	37.03
5 - E - ABOVE 185% TO AT OR BELOW 200% POVERTY LEVEL	2075	2.17	37502	39.20
6 - F - ABOVE 200% TO AT OR BELOW 300% POVERTY LEVEL	14289	14.93	51791	54.13
7 - G - ABOVE 300% TO AT OR BELOW 400% POVERTY LEVEL	12451	13.01	64242	67.14
8 - H - ABOVE 400% POVERTY LEVEL	31435	32.86	95677	100.00

Derived. Poverty level of this household based on DHHS guidelines - Imputed

POVLEVEL_I	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1 - AA AND A - AT OR BELOW 100% OF POVERTY	14928	15.60	14928	15.60
2 - B - ABOVE 100% TO AT OR BELOW 133% POVERTY LEVEL	7302	7.63	22230	23.23
3 - C - ABOVE 133% TO AT OR BELOW 150% POVERTY LEVEL	1429	1.49	23659	24.73
4 - D - ABOVE 150% TO AT OR BELOW 185% POVERTY LEVEL	6106	6.38	29765	31.11
5 - E - ABOVE 185% TO AT OR BELOW 200% POVERTY LEVEL	2346	2.45	32111	33.56
6 - F - ABOVE 200% TO AT OR BELOW 300% POVERTY LEVEL	15449	16.15	47560	49.71
7 - G - ABOVE 300% TO AT OR BELOW 400% POVERTY LEVEL	13475	14.08	61035	63.79
8 - H - ABOVE 400% POVERTY LEVEL	34642	36.21	95677	100.00

APPENDIX C: Single Imputation - Household Income

Flag indicating poverty level value was imputed

POVLEVEL_F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	86821	90.74	86821	90.74
1	8856	9.26	95677	100.00

Derived. Household income level based on DHHS guidelines - Imputed; single imputation using version 3

povlev4_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 100% FPL	14928	15.60	14928	15.60
100-199% FPL	17183	17.96	32111	33.56
200-399% FPL	28924	30.23	61035	63.79
400% or more FPL	34642	36.21	95677	100.00

Household income level grouped by SCHIP income criteria - Imputed; single imputation using version 3

povSCHIP_11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 199% FPL	32111	33.56	32111	33.56
200-299% FPL	15449	16.15	47560	49.71
300-399% FPL	13475	14.08	61035	63.79
400% or more FPL	34642	36.21	95677	100.00