2010-2013  
National Health Interview Survey (NHIS) - Child

**SAS Code FOR DATA USERS:**

CHILD HEALTH INDICATORS AND SUBGROUPS

******Version 1.0: July 2016

******

# Recommended Citation

Appropriate citation must accompany publication or presentation of analyses which involve variables contained in the accompanying SAS data set prepared by CAHMI using codes from this codebook. The following format is recommended:

Child and Adolescent Health Measurement Initiative (CAHMI), “2010-2013 National Health Interview Survey – Child. SAS Codebook, Version 1,” 2016, Data Resource Center for Child and Adolescent Health, www.childhealthdata.org.

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### *Acknowledgments*

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

We would like to thank the Maternal and Child Health Bureau (MCHB) for their continued support of the Data Resource Center for Child and Adolescent Health (DRC).

We further recognize the National Center for Health Statistics team who led the data collection for the indicators included here. The indicators outlined here represent the intellectual leadership of many DRC advisors and experts nationally and in states.

We also thank the 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.

# Purpose of the 2010-2013 NHIS SAS Codebook

This codebook contains documentation and SAS program statements used in development of child-level core variables and subgroup variables featured in the National Data Resource Center for Child and Adolescent Health (DRC) data query for combined years of the 2010-2013 National Health Interview Survey (NHIS) 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 accompanies the 2010-2013 combined years dataset, which includes all of the child health variables and subgroups listed herein. The dataset is available free of charge, using the “Request a Dataset” feature on the DRC website, http://www.childhealthdata.org/help/dataset.

# 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 Johns Hopkins Bloomberg School of Public Health. Additional support for DRC-related projects has come from other funding agencies, including the National Center for Complementary and Alternative Medicine (NCCAM) of the National Institutes of Health and Autism SpeaksThe DRC is located online at [www.childhealthdata.org](file:///\\data\x-drive\DRC\2010-2014%20National%20Health%20Interview%20Survey\SPSS%20and%20SAS%20Codebook\www.childhealthdata.org).

The main feature of the DRC is an interactive data search tool that includes standardized indicators from national- and state-based surveys on the health and health care of children youth, and their families: the 2001, 2005/2006 and 2009/2010 National Survey of Children with Special Health Care Needs (NS-CSHCN), and the 2003, 2007, the 2011/2012 National Survey of Children’s Health (NSCH), and the 2010-2013, 2011-2012, 2013 and 2014  *National Health Interview Survey (NHIS)*. The data query also includes child indicators from the *2012 NHIS Child Complementary and Alternative Medicine (CAM) Supplements* and the follow-up survey to the 2009/10 NS-CSHCN, the *Survey of Pathways to Diagnosis and Services*. Data search results can be stratified by age, race/ethnicity, income and other pertinent characteristics of children and youth nationwide, as well as for census census division or individual states where data is available. The survey questionnaires, sampling diagrams, methods reports, articles and presentations based on the surveys, and other resources may also be accessed on the [DRC website](http://childhealthdata.org/learn/NHIS-Child/).

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# Overview of the 2010-2013 National Health Interview Survey

The NHIS is a national, in-person household survey of the U.S. civilian non-institutionalized population conducted by the Centers for Disease Control and Prevention (CDC), National Center for Health Statistics. The NHIS has been conducted continuously since 1957 and provides a broad range of information about the health status and health service use of individuals in the U.S., and consists of Core modules and Supplements that vary from year to year. NHIS collects data from all family members including adults and children in the Household Composition Section and Family Core. One child age 17 years or younger (if any) was randomly selected in each household as the sample child in the Sample Child Core. Survey results are adjusted and weighted to reflect the demographic composition of non-institutionalized children and youth age 0–17.

The Family Core collects information on all child and adult members in the family about their socio-demographic characteristics, basic indicators of health status, activity limitations, injuries, health insurance coverage, immunizations, risk factors, health related behaviors, and access to and utilization of health care services. In 2011 and 2012, enhanced health care access and utilization questions that are intended to address provisions and measure the effects of the Affordable Care Act were incorporated and food security questions were added. An additional information on health status, health care services, and behavior for sample children was collected in the Sample Child Core.

Four years of data files were combined in order to produce state and nine Census Division estimates. The public use data files for the 2010, 2011, 2012, 2013 NHIS, along with relevant background information and documentation is located on the NCHS web page, http://www.cdc.gov/nchs/nhis/quest\_data\_related\_1997\_forward.htm. Additional information and results from the Child CAM Supplement are available in the DRC at [nhischilddata.org](http://childhealthdata.org/learn/NHIS-Child/).

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# Important Information About the 2010-2013 NHIS

### Weighting

Each record in the NHIS Sample Child public release datasets are assigned Interim (WTIA\_SC) and final sampling weights (WTFA\_SC). Case weighting begins with base weights that account for the probability of selection of each person in the covered population. The base weights are then adjusted for household non-response. Person-level weights are ratio adjusted by geographical information based on persons in their respective primary sampling units (PSUs), followed by adjustments to Census population estimates for sex, age, race, and ethnicity (post-stratification). Beginning in 2012, NCHS made the transition to weights derived from the 2010 Census-based population estimates. Additional information can be found in the NHIS Survey Description document released by the National Center for Health Statistics <http://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm>

The sampling weights should be adjusted in the combined dataset. In the four years of combined dataset (2010-2013) each weight has been divided by four. The DRC indicator dataset includes the adjusted weight variable “WTFA\_SC4YRS”.

### Variance Estimation

Use of statistical software with the capacity to take into account the complex sampling design of the survey is required to appropriately calculate the variances and associated standard errors and confidence intervals for accurate statistical hypothesis testing. Computer programs capable of variance estimation for complex sample designs include SUDAAN, SAS V 9.0+, STATA, WesVar, R, VPLX, and SAS Complex Samples.

The Household, Person, Sample Child public use data files contain the survey design variables necessary for variance estimation. The stratum variable (STRAT\_P) and cluster variable (PSU\_P) names are the same in all data files; however, the weight variables have different names depending on which data files are used. The Sample Child weight variable is WTFA\_SC.

Subsetting data to any population subgroup (e.g., age group, race/ethnicity, or income) 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 or SAS’s SUBPOPULATION option.

The only geographic information included in the NHIS public use data set is a variable for Census Region where the family lives. State, County, Rural/Urban classification and Metropolitan Statistical Area (MSA) status data are collected with the NHIS; however, this information is not released in the public use data set due to confidentiality restrictions. However, DRC made state and Census Division data for the 2010-2013 combined years available for DRC users accessing the restricted data files through Research Data Center (RDC) of the NSCH. Confidential data from the survey are managed by the RDC of the NSCH; information on how to access these data may be found on the RDC web page, http://www.cdc.gov/rdc/B1DataType/Dt1225.htm.

### Merging Data Files

NCHS releases separate data files for each NHIS Cores and Supplements. These data files can be merged using household (HHX), family (FMX) and person (FPX) record identifiers, respectively. Sort the data files by the identifier variables before merging the files. Examples of SAS program code can be found in the “Survey Description Document”: <http://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm>

The NHIS child-level datasets provided by the DRC are four years of concatenated data files of Household, Family, Imputed Income (imputation file 1), Person, and Sample Child Core.

### Interpretation of Results

The respondents to the NHIS Sample Child and Child CAM Supplement 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 problems paying medical bills, it is correct to say: “the percent of children whose family had problems paying…” NOT “the percent of families who had problems paying…”.

The condition-specific information in Sample Child Core 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 respondents to specific questions when interpreting results for this survey. Although most of the questions were asked for all children ages 0–17, some child health status questions targeted specific age groups: e.g. depression for age 6-17 years. 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

Unknown values (responses coded as 'refused', 'don't know', or ‘not ascertained’) are not included in the denominator when calculating prevalence estimates and weighted population counts displayed in the data query results table. Weighted population counts are underestimates due to both item nonresponse and unknowns, both of which are excluded from the counts.

The NHIS public use data files provided by the National Center for Health Statistics include 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** |
| **.L** | LEGITIMATE SKIP | Variable is missing due to valid questionnaire paths based on a previous answer to a root question. |
| **.P** | PARTIAL INTERVIEW | Variable is missing because the respondent ended the interview before completing the full interview. |
| **.M** | MISSING IN ERROR | Variable is missing due to interviewer or system errors. In cases of interviewer error, the interviewer may have deleted the data by accident or simply may not have entered the response. In cases of system error, the data may not have been collected or saved properly after it was entered by the interviewer in the CATI system. |

NOTE: It is important to note that derived variables (i.e., variables whose response was not directly provided by the respondent) do not include the detailed coding of missing data. All missing values for derived variables received a ‘‘.M’’ code regardless of the reason for the missing data. Similarly, ‘‘.M’’ was used when derived variables were suppressed to protect the confidentiality of the survey participants.

### Imputation of missing values

The NHIS Family public data file provided by the National Center for Health Statistics includes the family poverty status variable RAT\_CAT2 and RAT\_CAT3 (RAT\_CAT4 and RAT\_CAT5 in the 2014), which have missing values for approximatly 6% to 9% of 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 the first dataset of these NCHS datasets. Additional information about income imputation is available on the NCHS web site <http://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm>

The Sample Child public use file includes race and ethnicity variables for which missing values were imputed. The imputation procedure took place by 2 stage process: imputation within and between households. More information about the race and ethnicity variable imputation procedure is available in the Survey Description document: <http://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm>

### Verification of variables constructed using Codebook sytnax

Unweighted frequency distributions for the variables in this codebook are located in **Appendix A**, as a resource for cross checking results. Results may also be compared with results from the interactive data query in the DRC.

### Additional information on survey design and methodology

*The NHIS Survey Description Documents for each survey year are available at:*

2010 NHIS <ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHIS/2010/srvydesc.pdf>

2011 NHIS <ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHIS/2011/srvydesc.pdf>

2012 NHIS <ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHIS/2012/srvydesc.pdf>

2013 NHIS <ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHIS/2013/srvydesc>

and overall NHIS methods documentation can be found at: <http://www.cdc.gov/nchs/nhis/methods.htm>



**Variable Descriptions and Codes**



|  |  |
| --- | --- |
| **Low birth weight** | |
| Description | Children born at low birth weight (<2500 grams) |
| Survey Items Used | BWTGRM\_P |
| Denominator | Children age 0-17 years |
| Numerator | Children who were born with a low birthweight (2500 grams or less); Children who were not born with a low birthweight |
| Notes for Data-Users | |
| Estimates may vary compared to similar indicators of other surveys provided elsewhere on the DRC website because of difference in survey wording and survey administration.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Between 2004-2011, birth weight in pounds variable, BWGT\_LB, and birth weight in grams variable BWTGRM, had an error. The erros was corrected for the 2011 file. The data file with corrected birth weight for the 2010 NHIS provided by National Center for Health Statistics was merged to the 2010 NHIS Sample Child file. More information can be obtained at: ftp://ftp.cdc.gov/pub/Health\_Statistics/NCHS/Dataset\_Documentation/NHIS/2011/srvydesc.pdf | |
| SAS Syntax and Annotation | |
| LBW\_4yrs = .;  if BWTGRM\_P < 6000 then LBW\_4yrs = 2;/\* 2500+ grams\*/  if BWTGRM\_P < 2500 then LBW\_4yrs = 1;/\* <2500 grams\*/  label LBW\_4yrs = "Children born at low birth weight";  value LBW  1 = '<2500 grams'  2 = '2500+ grams'; | |

|  |  |
| --- | --- |
| Overall health status | |
| Description | Children's overall health status |
| Survey Items Used | PHSTAT |
| 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. The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates. <br> Estimates may vary compared to similar indicators of other surveys provided elsewhere on the DRC website because of difference in survey wording and survey administration.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| HLTHSTS\_4yrs = PHSTAT;  if PHSTAT = 2 then HLTHSTS\_4yrs = 1;/\*Exellent/very good\*/  if PHSTAT = 3 then HLTHSTS\_4yrs = 2;/\*Good\*/  if PHSTAT in (4,5) then HLTHSTS\_4yrs = 3;/\*Fair/poor\*/  if PHSTAT > 6 then HLTHSTS\_4yrs = .;  label HLTHSTS\_4yrs = "Children's health status";  value HLTHSTS  1 = 'Excellent/Very Good'  2 = 'Good'  3 = 'Fair/Poor'; | |

|  |  |
| --- | --- |
| Changes in overall health | |
| Description | Children's current health status compared to 12 months ago: better, worse, or about the same |
| Survey Items Used | CHSTATYR |
| Denominator | Children age 0-17 years |
| Numerator | Children's current health is better; Children's current health is worse; Children's current health is about the same |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| HLTHST12m\_4yrs = CHSTATYR;  if CHSTATYR > 4 then HLTHST12m\_4yrs = .;/\*Missing\*/  label HLTHST12m\_4yrs = "Current health status, compared with 12 months ago";  value HLTHSTS  1 = 'Better'  2 = 'Worse'  3 = 'About the same'; | |

|  |  |
| --- | --- |
| **Autism or autism spectrum disorder** | |
| Description | Children who ever told by a doctor or health professional that he/she had autism or autism spectrum disorder |
| Survey Items Used | CCONDL6R |
| Denominator | Children age 0-17 years |
| Numerator | Children who were ever had autism or autism spectrum disorder; Children not told they ever had autism or autism spectrum disorder |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Beginning in the 2011 NHIS, the term "autism" expanded to “autism/autism spectrum disorder. Therefore, the 2010 NHIS variable name (CCONDL06) was changed to CCONDL6R in the 2011. | |
| SAS Syntax and Annotation | |
| autism\_4yrs = CCONDL6R;  if CCONDL6R > 3 then autism\_4yrs = .;  label autism\_4yrs = "Children who ever had autism/ASD";  value YN  1 = 'Yes'  2 = 'No'; | |

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| --- | --- |
| One or more chronic conditions | |
| Description | Children with one or more chronic health conditions |
| Survey Items Used | CCONDL08; FHEAD; ADD2; DALLG1; DALLG2; DIARH1; DIARH2; CASHMEV; CASHYR; HAYF1; HAYF2; RALLG1; RALLG2; EARINF1; EARINF2; CCONDL6R; CCONDL02; CCONDL01; CCONDL03; AMR1R; AMR2R; STUTTER; AODD1; AODD2; LEARND; SEIZE1; SEIZE2; CHEARST1; CVISION; SALLG1; SALLG2; CCONDL09; CCONDL10; CCONDL04; CCONDL07; ANEMIA1; ANEMIA2; CCONDL05 |
| Denominator | Children age 0-17 years |
| Numerator | Child has two or more chronic health conditions; Child has one chronic health condition; Child does not have any chronic health conditions |
| Notes for Data-Users | |
| The chronic condition variable is derived from responses to 27 health conditions asked about the Sample Child Core. The chronic conditions are: (a) EVER told by health professionals: arthritis, asthma episode or asthma attack in past 12 months, autism or autism spectrum disorder, cerebral palsy, Down syndrome, muscular dystrophy, intellectual disability known as mental retardation, other developmental delay, congenital heart disease, other heart condition, cystic fibrosis, diabetes, sickle cell anemia; (b) conditions whether the child told by a doctor or other health professionals that child has had ADD/ADHD (c) conditions child has had in the past 12 months: frequent or severe headaches including migraines, stuttering or stammering, food or digestive allergy, frequent/repeated diarrhea or colitis, hay fever, respiratory allergy, three or more ear infections, seizures (6-17 years), little/moderate/lot of trouble hearing without the hearing aid or deaf, any trouble seeing, even when wearing glasses or contact lenses, eczema or skin allergy, anemia, and (d) condition ever told by school or health professional: learning disability. <b> Estimates may vary compared to similar indicators of other surveys provided elsewhere on the DRC website because of difference in survey wording, survey administration and conditions included.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Beginning in the 2011 NHIS, the term "autism" was expanded to “autism/autism spectrum disorder" and "mental retardation” was replaced by “intellectual disability, also known as mental retardation". Because of these changes in terminology, the variable names (CCONDL06, ARM1, ARM2) were changed to CCONDL6R, ARM1R and ARM2R. | |
| SAS Syntax and Annotation | |
| chr2cond\_4yrs = .; /\*Current health conditions\*/  if none4 = valid4 then chr2cond\_4yrs = 0;/\*Has none of listed chron cond\*/  if yes4 = 1 then chr2cond\_4yrs = 1; /\*Has 1 chronic cond\*/  if yes4 ge 2 then chr2cond\_4yrs = 2; /\*Has 2 or more chronic cond\*/  /\*if miss4 > 0 then chr2cond\_4yrs = .; /\*Missing\*/  label chr2cond\_4yrs = "Two or more chronic health conditions from list of 27";  value chr2cond /\*chr2cond\_4yrs\*/  0 = 'Has none of listed chron cond'  1 = 'Has 1 chronic condition'  2 = 'Has 2 or more chronic condition'; | |

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| --- | --- |
| Current hearing problems | |
| Description | Children who are deaf or have any trouble hearing without a hearing aid |
| Survey Items Used | CHEARST1 |
| Denominator | Children age 0-17 years |
| Numerator | Children who are deaf or have a little/moderate/a lot of hearing trouble without a hearing aid; Children who have excellent or good hearing |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| HEARING\_4yrs = .;  if CHEARST1 in (3,4,5,6) then HEARING\_4yrs = 1;  if CHEARST1 in (1,2) then HEARING\_4yrs = 2;  label HEARING\_4yrs = "Current hearing ability";  value HEARING  1 = 'Any trouble hearing or deaf'  2 = 'Excellent/good hearing'; | |

|  |  |
| --- | --- |
| Current vision problems | |
| Description | Children with any trouble seeing, even when wearing glasses or contact lenses |
| Survey Items Used | CVISION |
| Denominator | Children age 0-17 years |
| Numerator | Children who have any trouble seeing, even when wearing glasses or contact lenses; Children who do not have any trouble seeing |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| VISION\_4yrs = CVISION;  if CVISION > 2 then VISION\_4yrs = .;  label VISION\_4yrs = 'Current vision ability';  value YN  1 = 'Yes'  2 = 'No'; | |

|  |  |
| --- | --- |
| Difficulties with emotions, concentration, behavior or being able to get along with other people | |
| Description | Children who have difficulties with emotions, concentration, behavior or being able to get along with other people |
| Survey Items Used | RSCL6 |
| Denominator | Children age 4-17 years |
| Numerator | No difficulties; Minor difficulties; Severe/definite difficulties |
| Notes for Data-Users | |
| The survey item is asked in Child Mental Health Services Supplement Questionnaire.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| emb\_dif\_4yrs=RSCL6;  if RSCL6 in (2,3) then emb\_dif\_4yrs=3;  if RSCL6 = 1 then emb\_dif\_4yrs=2;  if RSCL6 = 0 then emb\_dif\_4yrs=1;  if RSCL6 in (7,8,9) then emb\_dif\_4yrs = .;  if AGE\_P<4 then emb\_dif\_4yrs= .L;  label emb\_dif\_4yrs = "Children who have difficulties with emotions, concentration, behavior or being able to get along with other people";  value embdif /\*emb\_dif\_4yrs\*/  1 = "No difficulties"  2 = "Minor difficulties"  3 = "Severe/definite difficulties"  .L = "Children 0-3 years old"; | |

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| --- | --- |
| Strengths and Difficulties Questionnaire composite score | |
| Description | Children whose score high on the Strengths and Difficulties Questionnaire |
| Survey Items Used | RSCL2\_C2; RSCL2\_E2; RSCL3\_E3; RSCL5\_P5; RSCL5\_H5 |
| Denominator | Children age 4-17 years |
| Numerator | High score; Medium score; Low score |
| Notes for Data-Users | |
| The Strength and Difficulties Questionnaire (SDQ) questions are copyrighted by Robert Goodman, Ph.D., FRCPSYCH, MRCP and included in the NHIS survey with permission. These questions may be used without charge and without seeking separate permission provided the wording is not modified, all the questions are retained, and Dr. Goodman's copyright is acknowledged.  The NHIS included 5 items that comprise the modified SDQ. For negative questions (RSCL2\_E2; RSCL3\_E3; and RSCL5\_P5) “Not True” is scored as zero, “Somewhat True” as 1 and “Certainly True” as 2. For positive questions (RSCL2\_C2 and RSCL5\_H5) “Not True” is scored as 2, “Somewhat True” as 1 and “Certainly True” as zero. Summing each item generates the total difficulties score. Those whose score ranges from zero to two have normal scores, three to five have borderline scores, and six to ten have abnormal scores. A higher score indicates greater difficulties or fewer strengths.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Child Mental Health Brief Questionnaire. | |
| SAS Syntax and Annotation | |
| SDQSCORE = .;  if SDQ\_COUNT GE 0 THEN SDQSCORE = 3;/\*Low score: 0-2\*/  if SDQ\_COUNT > 2 THEN SDQSCORE = 2;/\*Medium score: 3-5\*/  if SDQ\_COUNT > 5 THEN SDQSCORE = 1;/\*High score: 6-10\*/  if AGE\_P < 4 THEN SDQSCORE = .L;  Label SDQSCORE = "Scoring results of brief Strengths and Difficulties Questionnaire (5 items, Ages 4-17 years)";  value SDQ\_SCORE  1 = "High score: 6-10"  2 = "Medium score: 3-5"  3 = "Low score: 0-2"; | |

|  |  |
| --- | --- |
| Child generally well behaved, usually does what adults request | |
| Description | Children who are generally well behaved and usually do what adults request during the past six months |
| Survey Items Used | RSCL2\_C2 |
| Denominator | Children age 4-17 years |
| Numerator | Not true; Somewhat true; Certainly true |
| Notes for Data-Users | |
| The Strength and Difficulties Questionnaire (SDQ) questions are copyrighted by Robert Goodman, Ph.D., FRCPSYCH, MRCP and included in the NHIS with permission. These questions may be used without charge and without seeking separate permission provided the wording is not modified, all the questions are retained, and Dr. Goodman's copyright is acknowledged.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Child Mental Health Brief Questionnaire. | |
| SAS Syntax and Annotation | |
| SDQ\_BEH = RSCL2\_C2;  if RSCL2\_C2 > 3 then SDQ\_BEH = .;  if AGE\_P < 4 THEN SDQ\_BEH = .L;  Label SDQ\_BEH = "CSHCN who are generally well behaved and usually do what adults request during the past six months (Ages 4-17 years)";  value SDQ\_ITEM  0 = "Not true"  1 = "Somewhat true"  2 = "Certainly true"; | |

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| Child has many worries, or often seems worried | |
| Description | Children who have many worries, or often seems worried during the past six months |
| Survey Items Used | RSCL2\_E2 |
| Denominator | Children age 6-17 years |
| Numerator | Numerator: Not true; Somewhat true; Certainly true |
| Notes for Data-Users | |
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| **Revisions** | |
| Same as in the 2010 NHIS Child Mental Health Brief Questionnaire. | |
| SAS Syntax and Annotation | |
| SDQ\_WRRY = RSCL2\_E2;  if RSCL2\_E2 > 3 then SDQ\_WRRY = .;  if AGE\_P < 4 THEN SDQ\_WRRY = .L;  Label SDQ\_WRRY = "CSHCN who have many worries, or often seems worried during the past six months (Ages 4-17 years)";  value SDQ\_ITEM  0 = "Not true"  1 = "Somewhat true"  2 = "Certainly true"; | |

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| Child often unhappy, depressed, or tearful | |
| Description | Children who are often unhappy, depressed, or tearful during the past six months |
| Survey Items Used | RSCL3\_E3 |
| Denominator | Children age 4-17 years |
| Numerator | Not true; Somewhat true; Certainly true |
| Notes for Data-Users | |
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| **Revisions** | |
| Same as in the 2010 NHIS Child Mental Health Brief Questionnaire. | |
| SAS Syntax and Annotation | |
| SDQ\_DEP = RSCL3\_E3;  if RSCL3\_E3 > 3 then SDQ\_DEP = .;  if AGE\_P < 4 THEN SDQ\_DEP = .L;  Label SDQ\_DEP = "CSHCN who are often unhappy, depressed, or tearful during the past six months (Ages 4-17 years)";  value SDQ\_ITEM  0 = "Not true"  1 = "Somewhat true"  2 = "Certainly true"; | |

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| Child gets along better with adults than with other children/youth | |
| Description | Children who get along better with adults than with other children or youth during the past six months |
| Survey Items Used | RSCL5\_P5 |
| Denominator | Children age 4-17 years |
| Numerator | Not true; Somewhat true; Certainly true |
| Notes for Data-Users | |
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| **Revisions** | |
| Same as in the 2010 NHIS Child Mental Health Brief Questionnaire. | |
| SAS Syntax and Annotation | |
| SDQ\_ADLT = RSCL5\_P5;  if RSCL5\_P5 > 3 then SDQ\_ADLT = .;  if AGE\_P < 4 THEN SDQ\_ADLT = .L;  Label SDQ\_ADLT = "CSHCN who get along better with adults than with other CSHCN or youth during the past six months (Ages 4-17 years)";  value SDQ\_ITEM  0 = "Not true"  1 = "Somewhat true"  2 = "Certainly true"; | |

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| Child has good attention span, sees chores or home work through to the end | |
| Description | Same as in the 2010 NHIS Child Mental Health Brief Questionnaire. |
| Survey Items Used | RSCL5\_H5 |
| Denominator | Children age 4-17 years |
| Numerator | Not true; Somewhat true; Certainly true |
| Notes for Data-Users | |
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| **Revisions** | |
| Same as in the 2010 NHIS Child Mental Health Brief Questionnaire. | |
| SAS Syntax and Annotation | |
| SDQ\_ATTN = RSCL5\_H5;  if RSCL5\_H5 > 3 then SDQ\_ATTN = .;  if AGE\_P < 4 THEN SDQ\_ATTN = .L;  Label SDQ\_ATTN = "CSHCN who have a good attention span, sees chores or homework through to the end during the past six months (Ages 4-17 years)";  value SDQ\_ITEM  0 = "Not true"  1 = "Somewhat true"  2 = "Certainly true"; | |

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| Usual source of sick care | |
| Description | Children who have a place they usually go for sick care or when parents need advice about child's health |
| Survey Items Used | CUSUALPL; CPLKIND |
| 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 | |
| The indicator is derived from two questionnaire items: whether child has a usual place for sick care or advice (CUSUALPL) and what type of place they go to most often for medical care (CPLKIND). Criteria for having an usual source for medical care are: having a usual place of care (CUSUALPL) that is a categorized in CPLKIND as a clinic or health center, doctor's office or HMO, hospital outpatient department, or some other place. Responses indicating that the child does not have a usual source of care (CUSUALPL) or that the place of care is a hospital emergency room or the child does not go to one place most often (CPLKIND ), are defined as not having a usual source of care. Estimates may vary compared to similar indicators of other surveys provided elsewhere on the DRC website because of difference in survey wording and survey administration.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| SICKCARE\_4yrs = .;  IF CUSUALPL in (1,2,3) then SICKCARE\_4yrs = 2;  IF CUSUALPL in (1,3) and CPLKIND in (1,2,4,5) then SICKCARE\_4yrs = 1;  IF CPLKIND>6 then SICKCARE\_4yrs = .;  LABEL SICKCARE\_4yrs = "Children who have a place usually goes for sick care or when need a advice about child's health";  value YN  1 = "Yes"  2 = "No"; | |

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| **Usual place of sick care changed in the past 12 months** | |
| Description | Usual place for sick care changed in the past 12 months |
| Survey Items Used | CHCCHGYR |
| Denominator | Children age 0-17 years |
| Numerator | Yes, usual source of sick care changed; No change to usual source of sick care; Has no usual source of sick care |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| CHANGESC\_4yrs = .;/\*REVISE\*/  IF SICKCARE\_4yrs = 1 then CHANGESC\_4yrs 3 = 2;/\* has USC but no change\*/  IF CHCCHGYR = 1 & SICKCARE\_4yrs = 1 then CHANGESC\_4yrs = 1;/\*has USC, yes change\*/  IF CHCCHGYR > 3 or CPLKIND>6 then CHANGESC\_4yrs = .;  IF SICKCARE\_4yrs = 2 then CHANGESC\_4yrs = 3;/\*has no usual source of sick care\*/  LABEL CHANGESC\_13 = "Children whose parents changed the place to which usually child goes for health care at any time in the past 12 months";  value CHANGESC  1 = "Yes, usual source of sick care changed"  2 = "No change to usual source of sick care"  3 = "Has no usual source of sick care"; | |

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| Well-child check-ups | |
| Description | Children who had well-child check-up in the past 12 months |
| Survey Items Used | CHPXYR\_C |
| Denominator | Children age 0-17 years |
| Numerator | Children who had well-child checkup; Children who did not have well-child checkup |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| WELLCHECK\_4yrs = CHPXYR\_C;  if WELLCHECK\_4yrs > 2 then WELLCHECK\_4yrs = .;  label WELLCHECK\_4yrs = "Children who had well-child check-up in the past 12 months";  value YN  1 = 'Yes'  2 = 'No'; | |

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| Office visits to a health professional | |
| Description | Number of office visits to a health professional |
| Survey Items Used | CHCNOYR2 |
| Denominator | Children age 0-17 years |
| Numerator | 0-1 visit; 2-5 visits; 6 or more visits |
| Notes for Data-Users | |
| The item does not include overnight hospitalization, visits to hospital emergency rooms, home visits, dental visits or telephone calls.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| OFFVISIT\_4yrsB = .;  if CHCNOYR2 LE 10 then OFFVISIT\_4yrsB = 3;  if CHCNOYR2 in (0,1) then OFFVISIT\_4yrsB = 1;  if CHCNOYR2 =2 then OFFVISIT\_4yrsB = 2;  label OFFVISIT\_4yrsB = "Number of office visits to a health professional, past 12 months";  value officevis /\*OFFVISIT\_4yrsA OFFVISIT\_4yrsB \*/  1 = "0-1 visit"  2 = "2-3 visits"  3 = "4 or more visits"; | |

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| Medical specialist visits | |
| Description | Children who have seen or talked to a medical specialist |
| Survey Items Used | CHCSYR81 |
| Denominator | Children age 0-17 years |
| Numerator | Yes; No |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| SPECCARE\_4yrs = CHCSYR81;  if CHCSYR81 > 2 then SPECCARE\_4yrs = .;  label SPECCARE\_4yrs = "Children who received care from a medical specialist in the past 12 months";  value YN  1 = 'Yes'  2 = 'No'; | |

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| Mental health visits | |
| Description | Received mental health care |
| Survey Items Used | CHCSYR1 |
| Denominator | Children age 2-17 years |
| Numerator | Yes, child received mental health care; No child did not received mental health care |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| MENTCARE\_4yrs = CHCSYR1;  if CHCSYR1 > 2 then MENTCARE\_4yrs = .;  label MENTCARE\_4yrs = "Children who received care from mental health professional such as a psychiatrist,  psychologist, psychiatric nurse, or clinical social worker in the past 12 months, 2-17 years";  value YN  1 = 'Yes'  2 = 'No'; | |

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| Prescription medications | |
| Description | Children who currently have a problem for which they have regularly taken prescription medication for at least three months |
| Survey Items Used | PROBRX |
| Denominator | Children age 0-17 years |
| Numerator | Yes, child has regularly taken prescription medication for at least 3 months; No child does not take medication for 3 months regularly |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| RxMED3m\_4yrs = PROBRX;  if PROBRX in (7,8,9) then RxMED3m\_4yrs = .;  label RxMED3m\_4yrs = "Children who currently have a problem for which he/she has regularly taken prescription medication for at least three months";  value YN  1 = 'Yes'  2 = 'No'; | |

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| Emergency room visits | |
| Description | Children who had two or more hospital emergency room visits for any health reason in the past 12 months |
| Survey Items Used | CHERNOY2 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had two or more emergency room visits in the past 12 months; Children who had one emergency room visit in the past 12 months; Children who did not have an emergency room visit in the past 12 months |
| Notes for Data-Users | |
| This includes emergency room visits that resulted in a hospital admission.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| EDVISITS2\_4yrs = .;  if CHERNOY2 LE 8 then EDVISITS2\_4yrs= 3;  if CHERNOY2 = 1 then EDVISITS2\_4yrs= 2;  if CHERNOY2 = 0 then EDVISITS2\_4yrs= 1;  label EDVISITS2\_4yrs = 'Children who had an emergency room visits';  value VISIT\_CAT  1 = 'No visits'  2 = '1 visits'  3 = '2 or more visits'; | |

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| Hospital overnight stay | |
| Description | Hospital overnight stay other than birth in the past 12 months |
| Survey Items Used | PHOSPYR2; HOSPNO; AGE\_P |
| Denominator | Children age 0-17 years |
| Numerator | Yes, child has been hospitalized overnight; No child has not been hospitalized overnight |
| Notes for Data-Users | |
| The indicator does not include overnight hospital stay due to birth and an overnight stay in the emergency room. The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| HOSPSTAY\_4yrs = PHOSPYR2;  if PHOSPYR2 > 2 then HOSPSTAY\_4yrs = .;  HOSNOBRTH\_4yrs= .;  if HOSPSTAY\_4yrs=1 and (AGE\_P=0 and (HOSPNO>1 and HOSPNO<997)) then HOSNOBRTH\_4yrs=1;  if HOSPSTAY\_4yrs=1 and AGE\_P>=1 then HOSNOBRTH\_4yrs=1;  if HOSPSTAY\_4yrs=2 then HOSNOBRTH\_4yrs=2;  if HOSPSTAY\_4yrs=1 and (AGE\_P=0 and HOSPNO=1) then HOSNOBRTH\_4yrs=2;  if HOSPSTAY\_4yrs=1 and (HOSPNO=999 or AGE\_P>0) then HOSNOBRTH\_4yrs=1;  if HOSPSTAY\_4yrs= . then HOSNOBRTH\_4yrs= .;  label HOSNOBRTH\_4yrs = "Children who have been hospitalized overnight other than birth, past 12 months";  value YN  1 = 'Yes'  2 = 'No'; | |

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| Delays in getting medical care | |
| Description | Children who had medical care delay in the past 12 months due to one or more reasons from a list of 6 reasons |
| Survey Items Used | CHCDLYR1; CHCDLYR2; CHCDLYR3; CHCDLYR4; CHCDLYR5; PDMED12M |
| Denominator | Children age 0-17 years |
| Numerator | Children who had medical care delay in the past 12 months; Children who did not have medical care delay in the past 12 months |
| Notes for Data-Users | |
| This measure counts number of children who had medical care delay due to the six reasons asked in the survey: (1) couldn't get through on the telephone, (2) couldn't get an appointment soon enough, (3) once you get there, child has to wait too long to see the doctor, (4) the (clinic/doctor's office) wasn't open when you could get there, (5) you didn’t have transportation, and (6) because of worry about the cost. The survey items are asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| delay6\_4yrs = .; /\*Any Delays\*/  if none2 = valid2 then delay6\_4yrs = 2;/\*Has no delays\*/  if yes2 ge 1 then delay6\_4yrs = 1; /\*Has 1 or more delays\*/  if delay\_1 =. and delay\_2 =. and delay\_3=. and delay\_4 =. and delay\_5=. and delay\_6 =. then delay6\_4yrs = .; /\*Missing\*/  label delay6\_4yrs = "One or more delays from list of 6";\*/  value DELAY  1 = '1/more delays'  2 = 'None'; | |

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| Reasons for delaying care - Worried about the cost | |
| Description | Children who had medical care delay/delayed seeking medical care in the past 12 months because of worry about the cost |
| Survey Items Used | PDMED12M |
| Denominator | Children age 0-17 years |
| Numerator | Children who had medical care delay due to cost; Children who did not experience this delay |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| delay\_1 = PDMED12M;  if PDMED12M > **2** then delay\_1 = **.**;  costdel\_4yrs = delay\_1;  label costdel\_4yrs = "Worried about the cost";  value YN  **1** = 'Yes'  **2** = 'No'; | |

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| Reasons for delaying care - Couldn't get through on the phone | |
| Description | Children who had delayed medical care in the past 12 months because family couldn't get through on the phone |
| Survey Items Used | CHCDLYR1 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had delayed medical care because family couldn't get through on the phone, Children who did not experience this delay |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| delay\_2 = CHCDLYR1;  if CHCDLYR1 > 2 then delay\_2 = .;  phonedel\_4yrs = delay\_2;  label phonedel\_4yrs = "Couldn't get through on the phone";  value YN  1 = 'Yes'  2 = 'No'; | |

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| Reasons for delaying care - Couldn't get an appointment soon enough | |
| Description | Children who had delayed medical care in the past 12 months because family couldn't get an appointment for the child soon enough |
| Survey Items Used | CHCDLYR2 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had delayed medical care because family couldn't get an appointment for the child soon enough; Children who did not experience this delay |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| delay\_3 = CHCDLYR2;  if CHCDLYR2 > 2 then delay\_3 = .;  label delay\_3 = "Couldn't get appointment soon enough";  aptdel\_4yrs = delay\_3;  value YN  1 = 'Yes'  2 = 'No'; | |

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| Reasons for delaying care - Has to wait too long in doctor's office | |
| Description | Children who had delayed getting medical care in the past 12 months because child has to wait too long in doctor's office |
| Survey Items Used | CHCDLYR3 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had delayed medical care because child had to wait too long in doctor's office; Children who did not experience this delay |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| delay\_4 = CHCDLYR3;  if CHCDLYR3 > **2** then delay\_4 = **.**;  waitdel\_4yrs = delay\_4;  label waitdel\_4yrs = "Has to wait too long in the doctor's office";  value YN  **1** = 'Yes'  **2** = 'No'; | |

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| Reasons for delaying care - The doctor's office was not open when child could get there | |
| Description | Children who had delayed medical care because the doctor's office was not open when child could get there |
| Survey Items Used | CHCDLYR4 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had delayed medical care because the doctor's office was not open when child could get there; Children who did not experience this delay |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| delay\_5 = CHCDLYR4;  if CHCDLYR4 > 2 then delay\_5 = .;  label delay\_5 = "The doctor's office was not open when child could get there";  opendel\_4yrs = delay\_5;  value YN  1 = 'Yes'  2 = 'No'; | |

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| --- | --- |
| Reasons for delaying care - Didn’t have transportation | |
| Description | Children who had delayed medical care because child didn't have transportation |
| Survey Items Used | CHCDLYR5 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had delayed medical care because child didn't have transportation; Children who did not experience this delay |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| delay\_6 = CHCDLYR5;  if CHCDLYR5 > 2 then delay\_6 = .;  label delay\_6 = "Didn't have transportation";  transdel\_4yrs = delay\_6;  value YN  1 = 'Yes'  2 = 'No'; | |

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| Unmet needs for health care due to cost | |
| Description | Children with one or more unmet needs for care in the past 12 months due to cost -- from 7 types of health care |
| Survey Items Used | CHCAFYR; CHCAFYR1; CHCAFYRN; CHCAFYR5; CHCAFYRF; CHCAFYR6; PNMED12M; CHCAFYR2; CHCAFYR3; CHCAFYR4 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had one or more unmet needs due to cost; Children who did not have unmet needs due to cost |
| Notes for Data-Users | |
| This counts children who had unmet needs for any of the 7 types of medical care: medical, dental, specialist, mental health, follow-up care, prescription medications, or eyeglasses. The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| unmetcost\_4yrs = .; /\*Any Unmet\*/  if none3 = valid3 then unmetcost\_4yrs = 2;/\*Has no unmet\*/  if yes3 ge 1 then unmetcost\_4yrs = 1; /\*Has 1 or more unmet\*/  if unmetRx\_4yrs=. and unmetspec\_3yrs=. and unmetfollow\_3yrs=. and unmetmed\_4yrs=. and unmetmh\_4yrs=. then unmetcost\_4yrs = .; /\*Missing\*/  label unmetcost\_4yrs = "Children who needed care, but but didn't get one or more medical care services from the list of 7 care due to cost in the past 12 months";  value un1met /\*unmetcost\_4yrs\*/  1 = "One or more unmet need for specific services listed"  2 = "No unmet needs for specific services listed"; | |

|  |  |
| --- | --- |
| Unmet need for medical care | |
| Description | Children who needed medical care, but couldn't get it because the family couldn't afford it in the past 12 months |
| Survey Items Used | PNMED12M |
| Denominator | Children age 0-17 years |
| Numerator | Children who had unmet need for medical care due to cost; Children who did not have unmet need for medical care due to cost |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| unmetmed\_4yrs = PNMED12M;  if PNMED12M in (7,8,9) then unmetmed\_4yrs = .;  label unmetmed\_4yrs = "Children who needed medical care, but couldn't get it because the family] couldn't afford it in the past 12 months";  value unmet  1 = "Yes, unmet need for care due to cost"  2 = "No unmet need"; | |

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| Unmet need for dental care | |
| Description | Children who needed dental care but didn't get because their family couldn't afford it in the past 12 months |
| Survey Items Used | CHCAFYR3 |
| Denominator | Children age 2-17 years |
| Numerator | Children who had unmet need for dental care due to cost; Children who did not have unmet need for dental care due to cost |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| unmetdent\_4yrs = CHCAFYR3;  if CHCAFYR3 in (7,8,9) then unmetdent\_4yrs = .;  if AGE\_P<2 then unmetdent\_4yrs= .L;  label unmetdent\_4yrs = "Children who needed a dental care, but didn't get because their family couldn't afford it in the past 12 months, 2-17 years only";  value un2met  1 = "Yes"  2 = "No"  .L = "Children age <2"; | |

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| Unmet need for specialist care | |
| Description | Children who needed specialist care but didn't get because their family couldn't afford it in the past 12 months |
| Survey Items Used | CHCAFYRN; CHCAFYR5 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had unmet need for specialist care due to cost; Children who did not have unmet need for specialist care due to cost |
| Notes for Data-Users | |
| This survey item was added in the 2011 NHIS Family Core. Therefore, the data query displays 3 years data for this indicator, from 2011 through 2013.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| This survey item was added in the 2011 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| unmetspec\_3yrs =.;  if CHCAFYRN = 1 or CHCAFYR5 = 1 then unmetspec\_3yrs=1;  if CHCAFYRN = 2 or CHCAFYR5 = 2 then unmetspec\_3yrs=2;  if CHCAFYRN = 8 then unmetspec\_3yrs= .;  if CHCAFYR5 =7 or CHCAFYR5 =8 or CHCAFYR5 = 9 then unmetspec\_3yrs = .;  label unmetspec\_3yrs = "Children who needed a specialist care, but didn't get because their family couldn't afford it in the past 12 months";  value unmet  1 = "Yes, unmet need for care due to cost"  2 = "No unmet need"; | |

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| Unmet need for mental health care or counseling | |
| Description | Children who needed mental health care or counseling but didn't get it because their family couldn't afford it in the past 12 months |
| Survey Items Used | CHCAFYR2 |
| Denominator | Children age 2-17 years |
| Numerator | Children who had unmet need for mental health care due to cost; Children who did not have unmet need for mental health care due to cost |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| unmetmh\_4yrs = CHCAFYR2;  if CHCAFYR2 in (7,8,9) then unmetmh\_4yrs = .;  if AGE\_P<2 then unmetmh\_4yrs=.L;  label unmetmh\_4yrs = "Children who needed a mental health care or counseling, but didn't get because their family couldn't afford it in the past 12 months, 2-17 years only";  value un2met  1 = "Yes"  2 = "No"  .L = "Children age <2"; | |

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| Unmet need for follow-up care | |
| Description | Children who needed follow-up care but didn't get it because their family couldn't afford it in the past 12 months |
| Survey Items Used | CHCAFYRF; CHCAFYR6 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had unmet need for follow-up care due to cost; Children who did not have unmet need for follow-up care due to cost |
| Notes for Data-Users | |
| This survey item was added in the 2011 NHIS Family Core. Therefore, the data query displays 3 years data for this indicator, from 2011 through 2013.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| This survey item was added in the 2011 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| unmetfollow\_3yrs = .;  if CHCAFYRF = 1 or CHCAFYR6 = 1 then unmetfollow\_3yrs=1;  if CHCAFYRF = 2 or CHCAFYR6 = 2 then unmetfollow\_3yrs=2;  if CHCAFYRF = 8 then unmetfollow\_3yrs = .;  if CHCAFYR6 = 7 or CHCAFYR6 = 8 or CHCAFYR6 = 9 then unmetfollow\_3yrs = .;  label unmetfollow\_3yrs = "Children who needed a follow-up care, but didn't get because their family couldn't afford it in the past 12 months";  value unmet  1 = "Yes, unmet need for care due to cost"  2 = "No unmet need"; | |

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| Unmet need for prescription medication | |
| Description | Children who needed prescription medication but didn't get it because their family couldn't afford it in the past 12 months |
| Survey Items Used | CHCAFYR; CHCAFYR1 |
| Denominator | Children age 0-17 years |
| Numerator | Children who had unmet need for prescription medications due to cost; Children who did not have unmet need for prescription medications due to cost |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| N/A | |
| SAS Syntax and Annotation | |
| unmetRx\_4yrs = .;  if CHCAFYR = 1 or CHCAFYR1 = 1 then unmetRx\_4yrs = 1;  if CHCAFYR = 2 or CHCAFYR1 = 2 then unmetRx\_4yrs = 2;  if CHCAFYR = 8 then unmetRx\_4yrs = .;  if CHCAFYR1 = 7 or CHCAFYR1 = 8 or CHCAFYR1 = 9 then unmetRx\_4yrs=.;  label unmetRx\_4yrs = "Children who needed a prescription medication, but didn't get because their family couldn't afford it in the past 12 months";  value unmet  1 = "Yes, unmet need for care due to cost"  2 = "No unmet need"; | |

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| Unmet need for eyeglasses | |
| Description | Children who needed eyeglasses but didn't get them because their family couldn't afford it in the past 12 months |
| Survey Items Used | CHCAFYR4 |
| Denominator | Children age 2-17 years |
| Numerator | Children who had unmet need for eyeglasses due to cost; Children who did not have unmet need for eyeglasses due to cost |
| Notes for Data-Users | |
| Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Sample Child Core. | |
| SAS Syntax and Annotation | |
| unmeteye\_4yrs = CHCAFYR4;  if CHCAFYR4 in (7,8,9) then unmeteye\_4yrs = .;  if AGE\_P<2 then unmeteye\_4yrs= .L;  label unmeteye\_4yrs = "Children who needed a eyeglasses, but didn't get because their family couldn't afford it in the past 12 months, 2-17 years only";  value un2met  1 = "Yes"  2 = "No"  .L = "Children age <2"; | |

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| Receipt of Special Education or Early Intervention Services | |
| Description | Children who currently receive Special Education or Early Intervention Services |
| Survey Items Used | PSPEDEIS |
| Denominator | Children age 0-17 years |
| Numerator | Children who currently receive Special Education or Early Intervention Services; Children who do not currently receive Special Education or Early Intervention Services |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| SPECEDU\_4yrs = PSPEDEIS;  if PSPEDEIS > 2 then SPECEDU\_4yrs = .;  label SPECEDU\_4yrs = "Children who currently receive Special Education and Early intervention Services";  value YN  1 = 'Yes'  2 = 'No'; | |

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| Receipt of Special Education or Early Intervention Services due to an emotional/behavioral problem | |
| Description | Children who receive Special Education or Early Intervention Services due to an emotional/behavioral problem |
| Survey Items Used | PSPEDEM |
| Denominator | Children age 0-17 years who receive Special Education or Early Intervention Services |
| Numerator | Children who receive Special Education or Early Intervention Services due to an emotional/behavioral problem; Children who receive Special Education or Early Intervention Services not due to an emotional/behavioral problem |
| Notes for Data-Users | |
| The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Same as in the 2010 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| SPECEDU\_EM\_4yrs = .;  if PSPEDEM = 1 then SPECEDU\_EM\_4yrs = 1;  if PSPEDEM = 2 then SPECEDU\_EM\_4yrs = 2;  if PSPEDEIS = 2 then SPECEDU\_EM\_4yrs = .;  label SPECEDU\_EM\_4yrs = "Children who receive Special Education and Early Intervention Service due to emotional/behavioral problems";  value SEEIS\_EM  1 = 'Receives SE/EIS due to emotional/behavioral problem'  2 = 'Receives SE/EIS (not from emotional/behavioral problem)'  3 = 'Does not receive SE/EIS'; | |

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| Worries about running out of food | |
| Description | Children whose families are often or sometimes worried that food would run out before having money to buy more in the past 30 days |
| Survey Items Used | FSRUNOUT |
| Denominator | Children age 0-17 years |
| Numerator | Often/sometimes true; Never true |
| Notes for Data-Users | |
| This survey item was added in the 2011 NHIS Family Core. Therefore, the data query displays 3 years data for this indicator, from 2011 through 2013. The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| The survey item was added in the 2011 and 2012 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| FOODWORRY\_3yrs = .;  if FSRUNOUT in (1,2) then FOODWORRY\_3yrs = 1;  if FSRUNOUT = 3 then FOODWORRY\_3yrs = 2;  label FOODWORRY\_3yrs = "Worried about running out of food";  value FOOD  1 = 'Often or sometimes true'  2 = 'Never true'; | |

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| Food ran out | |
| Description | Children whose family's food just didn't last and didn't have money to get more in the past 30 days |
| Survey Items Used | FSLAST |
| Denominator | Children age 0-17 years |
| Numerator | Often/sometimes true; Never true |
| Notes for Data-Users | |
| This survey item was added in the 2011 NHIS Family Core. Therefore, the data query displays 3 years data for this indicator, from 2011 through 2013. <br> The survey item is asked in the Family Core. Family Core was merged with Sample Child Core to get child-level estimates.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| The survey item was added in the 2011 and 2012 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| FOOD\_LAST\_3yrs = .;  if FSLAST in (1,2) then FOOD\_LAST\_3yrs = 1;  if FSLAST = 3 then FOOD\_LAST\_3yrs = 2;  label FOOD\_LAST\_3yrs = "Food we bought did not last";  value FOOD  1 = 'Often or sometimes true'  2 = 'Never true'; | |

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| Out-of-pocket cost for family medical/dental care | |
| Description | Out-of-pocket cost for medical or dental care in the past 12 months |
| Survey Items Used | FHICOST |
| Denominator | Children age 0-17 years |
| Numerator | No cost; $1- $500; $500-$1999; $2000-$2999; $3000 or more |
| Notes for Data-Users | |
| This survey item was added in the 2011 NHIS Family Core. Therefore, the data query displays 3 years data for this indicator, from 2011 through 2013. <br> The out-of-pocket cost does not include health insurance premiums, cost over the counter drugs, or costs that the family will be reimbursed for. These are costs for the whole family, not specific to the sample child.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| The survey item was added in the 2011 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| DENTMEDCOST\_3yrs = FHICOST;/\*FIX FORMAT\*/  if FHICOST = 5 then DENTMEDCOST\_3yrs = 4;  if FHICOST > 6 then DENTMEDCOST\_3yrs = .;  label DENTMEDCOST\_3yrs = "Out-of-pocket cost for family medical/dental care";  value DENTMED  0 = 'No Cost'  1 = '$1-$499'  2 = '$500-$1,999'  3 = '$2,000-$2,999'  4 = '$3,000 or more'; | |

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| Problems paying medical bills | |
| Description | Children whose families had problems paying or were unable to pay any medical bills in the past 12 months |
| Survey Items Used | FMEDBILL; FMEDBNOP |
| Denominator | Children age 0-17 years |
| Numerator | Children whose family did not have problems paying bills; Children whose family had problems paying bills; Children whose family were unable to pay medical bills |
| Notes for Data-Users | |
| This survey item was added in the 2011 NHIS Family Core. Therefore, the data query displays 3 years data for this indicator, from 2011 through 2013. <br> The bills include bills for doctors, dentists, hospitals, therapists, medication, equipment, nursing home or home care.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| The survey item was added in the 2011 NHIS Family Core. | |
| SAS Syntax and Annotation | |
| MEDBILL\_3yrs = .;  if FMEDBILL = 2 then MEDBILL\_3yrs = 1; /\*no problems paying bills\*/  if FMEDBILL = 1 then MEDBILL\_3yrs = 2; /\*has problems paying bills\*/  if FMEDBNOP = 1 then MEDBILL\_3yrs = 3; /\*unable to pay bills\*/  label MEDBILL\_3yrs = "Problems paying or unable to pay any medical bills";  value MEDBILL  1 = 'No problems paying bills'  2 = 'Has problems paying bills'  3 = 'Unable to pay bills'; | |

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| Age – 3 groups | |
| Description | Children of different ages by 3 age groups (details) |
| Survey Items Used | AGE\_P |
| 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 AGE\_P in the 2012 NHIS Sample Child 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 and child's age was confirmed in Child Identification section of the Sample Child Core.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| N/A | |
| SAS Syntax and Annotation | |
| AGE3CH\_4yrs = .;  if AGE\_P LE 5 then AGE3CH\_4yrs = 1;  if AGE\_P > 5 then AGE3CH\_4yrs = 2;  if AGE\_P GE 12 and AGE\_P LE 17 then AGE3CH\_4yrs = 3;  label AGE3CH\_4yrs = 'Child age groups (0-5, 6-11, 12-17)';  value AGE3CH  1 = '0 to 5 years old'  2 = '6 to 11 years old'  3 = '12 to 17 years old'; | |

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| Sex of child | |
| Description | Sex of child (details) |
| Survey Items Used | SEX |
| Denominator | Children age 4-17 years |
| Numerator | Children whose family had problems paying or unable to pay bills; Children whose family did not have problems paying or unable to pay bills |
| Notes for Data-Users | |
| Males; Females | |
| **Revisions** | |
| Uses variable SEX in the 2012 NHIS public use file provided by the National Center for Health Statistics.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| SAS Syntax and Annotation | |
| sex = SEX;  label sex = "Sex of the child";    value sex  **1** = "Male"  **2** = "Female"; | |

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| Race/ethnicity of child | |
| Description | Race and ethnicity distribution of the child population |
| Survey Items Used | HISPAN\_I; RACERPI2 |
| Denominator | Children age 0-17 years |
| Numerator | Hispanic; White, non-Hispanic; Black, non-Hispanic; Multi/Other, non-Hispanic |
| Notes for Data-Users | |
| For race4ch\_12, children reporting Hispanic or Latino ethnicity (HISPAN\_I=1) are counted as Hispanic regardless of reported race in RACERPI2. Non-Hispanic children (HISPAN\_I=0) are grouped by race based on RACERPI2. Non-Hispanic children reporting only one race category of Asian, American Indian/Alaska Native, Native Hawaiian, or Other Pacific Islander are grouped as "Other, non-Hispanic".  The race and ethnicity variables with missing values were imputed. Also, records with persons for whom “other race” was the only race mentioned were treated as having missing data and were imputed. In cases where “Other race” was mentioned along with one or more race groups, the race group information was retained. For more information about imputation and creation & editing of race variables, visit: ftp://ftp.cdc.gov/pub/Health\_Statistics/NCHS/Dataset\_Documentation/NHIS/2012/srvydesc.pdf  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| Beginning with the 1997 NHIS, interview-observed race was no longer collected and NHIS relied on self-identified race and ethnicity information.  Since 1999, NHIS started collecting race and ethnicity data following guidelines set forth by the Office of Management of Budget. Beginning in the 2003 NHIS, “Other race” was no longer available as a separate race. | |
| SAS Syntax and Annotation | |
| RACE4CH\_4yrs = .;  if HISPAN = 1 then RACE4CH\_4yrs = 1;  if RACER = 1 and HISPAN = 2 then RACE4CH\_4yrs = 2;  if RACER = 2 and HISPAN = 2 then RACE4CH\_4yrs = 3;  if RACER in (3,4,5) and HISPAN = 2 then RACE4CH\_4yrs = 4;  Label RACE4CH\_4yrs = "Primary race/ethnicity of child";  value RACE4CH  1 = 'Hispanic'  2 = 'NH White'  3 = 'NH Black'  4 = 'NH Other/Not Released'; | |

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| Geographic region of residence of child | |
| Description | US census region the child lives |
| Survey Items Used | REGION |
| Denominator | Children age 4-17 years |
| Numerator | Northeast; Midwest; West; South |
| Notes for Data-Users | |
| In the geographic classification of the U.S. population, states are grouped into the following four regions used by the U.S. Census Bureau:  Northeast: Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, and Pennsylvania;  Midwest: Ohio, Illinois, Indiana, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Kansas and Nebraska; South: Delaware, Maryland, District of Columbia, West Virginia, Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Oklahoma, Arkansas, and Texas; West: Washington, Oregon, California, Nevada, New Mexico, Arizona, Idaho, Utah, Colorado, Montana, Wyoming, Alaska and Hawaii  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| N/A | |
| SAS Syntax and Annotation | |
| REGIONR = REGION;  if REGION = 2 THEN REGIONR = 1;  if REGION = 1 THEN REGIONR = 2;  label REGIONR = 'Geographic region of residence of child';  value REGIONR  1 = 'Midwest'  2 = 'Northeast'  3 = 'South'  4 = 'West'; | |

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| Highest education of adult in family | |
| Description | Highest level of education of adult in the family |
| Survey Items Used | FM\_EDUC1 |
| Denominator | Children age 0-17 years |
| Numerator | Less than high school education; High school graduate or GED; More than high school education |
| Notes for Data-Users | |
| The source of the variable is Family File. The categories of education are based on the years of school completed or highest degree obtained for persons aged 18 and over in the child’s family. Only years completed in a school that advances a person toward an elementary or high school diploma, a General Educational Development high school equivalency diploma (GED), or a college, university, or professional degree are included. Education in other schools or home schooling, is counted only if the credits are accepted in a regular school system.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| N/A | |
| SAS Syntax and Annotation | |
| ADULTEDU\_4yrs = .;  if FM\_EDUC1 in (1,2) then ADULTEDU\_4yrs = 1;  if FM\_EDUC1 in (3,4) then ADULTEDU\_4yrs = 2;  if FM\_EDUC1 in (5,6,7,8,9) then ADULTEDU\_4yrs = 3;  label ADULTEDU\_4yrs = 'Education of adult with highest education in family';  value ADULTEDU  1 = '< High School'  2 = 'High School/GED'  3 = '> High School'; | |

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| Family income level | |
| Description | Income level of child's family |
| Survey Items Used | POVRATI3 |
| Denominator | Children age 0-17 years |
| Numerator | 0-99% FPL; 100-199% FPL; 200-399% FPL; 400% FPL or more |
| Notes for Data-Users | |
| The income level variable povlev4\_12 in the DRC 2012 NHIS Dataset was generated using a single imputation value from the 2012 NHIS imputed data file. Please note that income level estimates and confidence intervals based on single imputed income may differ slightly from those obtained using multiple imputation methods.  The 2012 NHIS public data file provided by the National Center for Health Statistics (NCHS) includes a derived income variable, RAT\_CAT2 and RAT\_CAT3 which are missing values for 12,552-15,873 cases representing weighted percent of 11.7-15.2% of the all sample including adults and children (n=107,817). The missing data on family income and personalearnings in the NHIS is imputed using multiple imputation methodology. The NCHS provided an additional data file with imputed income incmimp1.zip available at http://www.cdc.gov/nchs/nhis/2012imputedincome.htm. Download the imputed income data file 1 and link with the 2012 NHIS data file on HHX, FMX and FPX.  For more information about income imputation is available at: http://www.cdc.gov/nchs/data/nhis/tecdoc12.pdf.  Poverty categories are based on the ratio of the family’s income in the previous calendar year to the appropriate poverty threshold (given the family’s size and number of children) defined by the U.S. Census Bureau for that year. More information about the income section is available at: ftp://ftp.cdc.gov/pub/Health\_Statistics/NCHS/Dataset\_Documentation/NHIS/2012/srvydesc.pdf  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| N/A | |
| SAS Syntax and Annotation | |
| POVL\_I = .;  if POVRATI3 GE 4.0 then POVL\_I = 4; /\*400%+\*/  if POVRATI3 < 4.0 then POVL\_I = 3;/\*200-399%\*/  if POVRATI3 < 2.0 then POVL\_I = 2;/\*100-199%\*/  if POVRATI3 < 1.0 then POVL\_I = 1;/\*<100%\*/  label POVL\_I = 'Ratio of family imputed income to poverty threshold (FPL)';  value POV  1 = '0-99% FPL'  2 = '100-199% FPL'  3 = '200-399% FPL'  4 = '400 FPL or above'; | |

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| Current insurance status | |
| Description | Health insurance status at time of survey |
| Survey Items Used | NOTCOV |
| Denominator | Children age 0-17 years |
| Numerator | Children not insured at the time; Children insured at time of the survey |
| Notes for Data-Users | |
| A child was defined as uninsured if the child did not have any private health insurance, Medicare, Medicaid, CHIP, state-sponsored or other government-sponsored health plan, or military plan, at the time of interview and as well as if the child had only Indian Health Service coverage or had only a private plan that paid for one type of service, such as accidents or dental care.  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| N/A | |
| SAS Syntax and Annotation | |
| nsstatus4yrs = NOTCOV;  if NOTCOV=9 then insstatus4yrs=.;  label insstatus4yrs = "Children's health insurance status at time of survey";  value insstst /\*insstatus4yrs\*/  1 = "Not insured at the time of survey"  2 = "Insured at the time of survey"; | |

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| Type of insurance | |
| Description | Type of health insurance |
| Survey Items Used | MEDICARE; MEDICAID; SCHIP; OTHPUB; OTHGOV; PRIVATE; MILCARE; NOTCOVE |
| Denominator | Children age 0-17 years |
| Numerator | Public insurance; Private insurance; Currently uninsured |
| Notes for Data-Users | |
| The “Public insurance” category includes Medicaid, Medicare, Children’s Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plans, and military plans. Persons covered by both public and private plans were included in private insurance category.  A child was defined as uninsured if the child did not have any private health insurance, Medicare, Medicaid, CHIP, state-sponsored or other government-sponsored health plan, or military plan, at the time of interview. Children who only had Indian Health Service coverage or only had a private plan that paid for one type of service, such as accidents or dental care, were defined as uninsured as well. The analyses excluded persons with unknown health insurance status (about 1% of respondents each year).  Four years of NHIS data files were combined for this estimate. The numerators have been summed, but the population estimates are adjusted for the combined file. The sampling weights are combined and then divided by four. | |
| **Revisions** | |
| N/A | |
| SAS Syntax and Annotation | |
| instype4yrs = .;  if (MEDICARE=1 OR MEDICARE=2 OR MEDICAID=1 OR MEDICAID=2 OR SCHIP=1 OR SCHIP=2 OR OTHPUB=1 OR OTHPUB=2 OR OTHGOV=1 or MILCARE=1 or MILCARE=2)then instype4yrs=1;  if PRIVATE=1 OR PRIVATE=2 then instype4yrs = 2;  if NOTCOV=1 then instype4yrs=3;  if NOTCOV=9 then instype4yrs= .;  label instype4yrs = "Family insurance type (military insurance is included in public)";  value INS\_TYPE  1 = 'Public only, including military'  2 = 'Private'  3 = 'Other'; | |

****Appendix A: Unweighted Frequency Tables

for Codebook Variables

**CHILD AND FAMILY HEALTH MEASURES**

**Health Status**

| **Children born at low birth weight** | | | | |
| --- | --- | --- | --- | --- |
| **LBW\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **<2500 grams** | 4249 | 9.27 | 4249 | 9.27 |
| **2500+ grams** | 41563 | 90.73 | 45812 | 100.00 |
| **Frequency Missing = 4450** | | | | |

| **Children's health status** | | | | |
| --- | --- | --- | --- | --- |
| **HLTHSTS\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Excellent/Very Good** | 41262 | 82.11 | 41262 | 82.11 |
| **Good** | 7915 | 15.75 | 49177 | 97.86 |
| **Fair/Poor** | 1076 | 2.14 | 50253 | 100.00 |
| **Frequency Missing = 9** | | | | |

| **Current health status, compared with 12 months ago** | | | | |
| --- | --- | --- | --- | --- |
| **HLTHST12m\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **1 Better** | 11412 | 22.77 | 11412 | 22.77 |
| **2 Worse** | 687 | 1.37 | 12099 | 24.14 |
| **3 About the same** | 38022 | 75.86 | 50121 | 100.00 |
| **Frequency Missing = 141** | | | | |

| **Children who ever had autism/ASD** | | | | |
| --- | --- | --- | --- | --- |
| **autism\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 545 | 1.08 | 545 | 1.08 |
| **No** | 49687 | 98.92 | 50232 | 100.00 |
| **Frequency Missing = 30** | | | | |

| **Two or more chronic health conditions from list of 27** | | | | |
| --- | --- | --- | --- | --- |
| **chr2cond\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Has none of listed chron cond** | 28179 | 56.06 | 28179 | 56.06 |
| **Has 1 chronic condition** | 11601 | 23.08 | 39780 | 79.15 |
| **Has 2 or more chronic condition** | 10482 | 20.85 | 50262 | 100.00 |

| **Current hearing ability** | | | | |
| --- | --- | --- | --- | --- |
| **HEARING\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Any trouble hearing or deaf** | 1011 | 2.01 | 1011 | 2.01 |
| **Excellent/good hearing** | 49205 | 97.99 | 50216 | 100.00 |
| **Frequency Missing = 46** | | | | |

| **Current vision ability** | | | | |
| --- | --- | --- | --- | --- |
| **VISION\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 1404 | 2.80 | 1404 | 2.80 |
| **No** | 48795 | 97.20 | 50199 | 100.00 |
| **Frequency Missing = 63** | | | | |

| **Children who have difficulties with emotions, concentration, behavior or being able to get along with other people** | | | | |
| --- | --- | --- | --- | --- |
| **emb\_dif\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **No difficulties** | 30697 | 80.46 | 30697 | 80.46 |
| **Minor difficulties** | 5465 | 14.33 | 36162 | 94.79 |
| **Severe/definite difficulties** | 1988 | 5.21 | 38150 | 100.00 |
| **Frequency Missing = 12112** | | | | |

| **Scoring results of brief Strengths and Difficulties Questionnaire (5 items, Ages 4-17 years)** | | | | |
| --- | --- | --- | --- | --- |
| **SDQSCORE** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **High score: 6-10** | 1550 | 4.09 | 1550 | 4.09 |
| **Medium score: 3-5** | 7921 | 20.91 | 9471 | 25.00 |
| **Low score: 0-2** | 28414 | 75.00 | 37885 | 100.00 |
| **Frequency Missing = 12377** | | | | |

| **CSHCN who are generally well behaved and usually do what adults request during the past six months (Ages 4-17 years)** | | | | |
| --- | --- | --- | --- | --- |
| **SDQ\_BEH** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Not true** | 1303 | 3.41 | 1303 | 3.41 |
| **Somewhat true** | 8179 | 21.43 | 9482 | 24.85 |
| **Certainly true** | 28677 | 75.15 | 38159 | 100.00 |
| **Frequency Missing = 12103** | | | | |

| **CSHCN who have many worries, or often seems worried during the past six months (Ages 4-17 years)** | | | | |
| --- | --- | --- | --- | --- |
| **SDQ\_WRRY** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Not true** | 28999 | 76.07 | 28999 | 76.07 |
| **Somewhat true** | 7053 | 18.50 | 36052 | 94.57 |
| **Certainly true** | 2070 | 5.43 | 38122 | 100.00 |
| **Frequency Missing = 12140** | | | | |

| **CSHCN who are often unhappy, depressed, or tearful during the past six months (Ages 4-17 years)** | | | | |
| --- | --- | --- | --- | --- |
| **SDQ\_DEP** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Not true** | 33652 | 88.24 | 33652 | 88.24 |
| **Somewhat true** | 3333 | 8.74 | 36985 | 96.98 |
| **Certainly true** | 1152 | 3.02 | 38137 | 100.00 |
| **Frequency Missing = 12125** | | | | |

| **CSHCN who get along better with adults than with other CSHCN or youth during the past six months (Ages 4-17 years)** | | | | |
| --- | --- | --- | --- | --- |
| **SDQ\_ADLT** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Not true** | 25333 | 66.74 | 25333 | 66.74 |
| **Somewhat true** | 8223 | 21.66 | 33556 | 88.41 |
| **Certainly true** | 4401 | 11.59 | 37957 | 100.00 |
| **Frequency Missing = 12305** | | | | |

| **CSHCN who have a good attention span, sees chores or homework through to the end during the past six months (Ages 4-17 years)** | | | | |
| --- | --- | --- | --- | --- |
| **SDQ\_ATTN** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Not true** | 4370 | 11.47 | 4370 | 11.47 |
| **Somewhat true** | 10526 | 27.62 | 14896 | 39.08 |
| **Certainly true** | 23219 | 60.92 | 38115 | 100.00 |
| **Frequency Missing = 12147** | | | | |

**Health Care Access and Utilization**

| **Children with a usual source of sick care** | | | | |
| --- | --- | --- | --- | --- |
| **SICKCARE\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 47518 | 94.69 | 47518 | 94.69 |
| **No** | 2667 | 5.31 | 50185 | 100.00 |
| **Frequency Missing = 77** | | | | |

| **Usual place of sick care changed in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **CHANGESC\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes, usual source of sick care changed** | 3594 | 7.17 | 3594 | 7.17 |
| **No change to usual source of sick care** | 43887 | 87.51 | 47481 | 94.68 |
| **Has no usual source of sick care** | 2667 | 5.32 | 50148 | 100.00 |
| **Frequency Missing = 114** | | | | |

| **Children who had well-child check-up in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **WELLCHECK\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 39834 | 79.88 | 39834 | 79.88 |
| **No** | 10031 | 20.12 | 49865 | 100.00 |

| **Number of office visits to a health professional, past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **OFFVISIT\_4yrsB** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **0-1 visit** | 15595 | 31.35 | 15595 | 31.35 |
| **2-3 visits** | 18341 | 36.88 | 33936 | 68.23 |
| **4 or more visits** | 15801 | 31.77 | 49737 | 100.00 |
| **Frequency Missing = 525** | | | | |

| **Children who received care from a medical specialist in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **SPECCARE\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 7029 | 14.04 | 7029 | 14.04 |
| **No** | 43035 | 85.96 | 50064 | 100.00 |
| **Frequency Missing = 198** | | | | |

| **Children who received care from mental health professional such as a psychiatrist, psychologist, psychiatric nurse, or clinical social worker in the past 12 months, 2-17 years** | | | | |
| --- | --- | --- | --- | --- |
| **MENTCARE\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 3273 | 7.39 | 3273 | 7.39 |
| **No** | 41011 | 92.61 | 44284 | 100.00 |
| **Frequency Missing = 5978** | | | | |

| **Children who currently have a problem for which he/she has regularly taken prescription medication for at least three months** | | | | |
| --- | --- | --- | --- | --- |
| **RxMED3m\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 6524 | 12.99 | 6524 | 12.99 |
| **No** | 43714 | 87.01 | 50238 | 100.00 |
| **Frequency Missing = 24**   | **Children who had an emergency room visits** | | | | | | --- | --- | --- | --- | --- | | **EDVISITS\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** | | **1 or more visits** | 9782 | 19.57 | 9782 | 19.57 | | **No visits** | 40209 | 80.43 | 49991 | 100.00 | | **Frequency Missing = 271**   | **Children who had an emergency room visits** | | | | | | --- | --- | --- | --- | --- | | **EDVISITS2\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** | | **No visits** | 40209 | 80.43 | 40209 | 80.43 | | **1 visits** | 6409 | 12.82 | 46618 | 93.25 | | **2 or more visits** | 3373 | 6.75 | 49991 | 100.00 | | **Frequency Missing = 271** | | | | | | | | | | | | | | |

| **Children who have been hospitalized overnight other than birth, past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **HOSNOBRTH\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 1223 | 2.43 | 1223 | 2.43 |
| **No** | 49029 | 97.57 | 50252 | 100.00 |
| **Frequency Missing = 10** | | | | |

| **One or more delays from list of 6** | | | | |
| --- | --- | --- | --- | --- |
| **delay6\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **1/more delays** | 6329 | 12.59 | 6329 | 12.59 |
| **None** | 43933 | 87.41 | 50262 | 100.00 |

| **Worried about the cost** | | | | |
| --- | --- | --- | --- | --- |
| **costdel\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 1726 | 3.44 | 1726 | 3.44 |
| **No** | 48521 | 96.56 | 50247 | 100.00 |
| **Frequency Missing = 15** | | | | |

| **Couldn't get through on the phone** | | | | |
| --- | --- | --- | --- | --- |
| **phonedel\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 904 | 1.80 | 904 | 1.80 |
| **No** | 49272 | 98.20 | 50176 | 100.00 |
| **Frequency Missing = 86** | | | | |

**Couldn’t get an appointment soon enough**

| **aptdel\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **Yes** | 2214 | 4.41 | 2214 | 4.41 |
| **No** | 47961 | 95.59 | 50175 | 100.00 |
| **Frequency Missing = 87** | | | | |

| **Has to wait too long in the doctor's office** | | | | |
| --- | --- | --- | --- | --- |
| **waitdel\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 2192 | 4.37 | 2192 | 4.37 |
| **No** | 47974 | 95.63 | 50166 | 100.00 |
| **Frequency Missing = 96** | | | | |

**Doctor’s office was not open when child could get there**

| **opendel\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **Yes** | 1363 | 2.72 | 1363 | 2.72 |
| **No** | 48809 | 97.28 | 50172 | 100.00 |
| **Frequency Missing = 90** | | | | |

**Didn’t have transportation**

| **transdel\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **Yes** | 1055 | 2.10 | 1055 | 2.10 |
| **No** | 49127 | 97.90 | 50182 | 100.00 |
| **Frequency Missing = 80** | | | | |

| **Children who needed care, but but didn't get one or more medical care services from the list of 7 care due to cost in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **unmetcost\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **One or more unmet need for specific services listed** | 4716 | 9.38 | 4716 | 9.38 |
| **No unmet needs for specific services listed** | 45545 | 90.62 | 50261 | 100.00 |
| **Frequency Missing = 1** | | | | |

| **Children who needed medical care, but couldn't get it because the family couldn't afford it in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **unmetmed\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes, unmet need for care due to cost** | 1023 | 2.04 | 1023 | 2.04 |
| **No unmet need** | 49224 | 97.96 | 50247 | 100.00 |
| **Frequency Missing = 15** | | | | |

| **Children who needed a dental care, but didn't get because their family couldn't afford it in the past 12 months, 2-17 years only** | | | | |
| --- | --- | --- | --- | --- |
| **unmetdent\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 2729 | 6.15 | 2729 | 6.15 |
| **No** | 41616 | 93.85 | 44345 | 100.00 |
| **Frequency Missing = 5917** | | | | |

| **Children who needed a specialist care, but didn't get because their family couldn't afford it in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **unmetspec\_3yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes, unmet need for care due to cost** | 569 | 1.46 | 569 | 1.46 |
| **No unmet need** | 38340 | 98.54 | 38909 | 100.00 |
| **Frequency Missing = 11353** | | | | |

| **Children who needed a mental health care or counseling, but didn't get because their family couldn't afford it in the past 12 months, 2-17 years only** | | | | |
| --- | --- | --- | --- | --- |
| **unmetmh\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 425 | 0.96 | 425 | 0.96 |
| **No** | 43925 | 99.04 | 44350 | 100.00 |
| **Frequency Missing = 5912** | | | | |

| **Children who needed a follow-up care, but didn't get because their family couldn't afford it in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **unmetfollow\_3yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes, unmet need for care due to cost** | 549 | 1.41 | 549 | 1.41 |
| **No unmet need** | 38357 | 98.59 | 38906 | 100.00 |
| **Frequency Missing = 11356** | | | | |

| **Children who needed a prescription medication, but didn't get because their family couldn't afford it in the past 12 months** | | | | |
| --- | --- | --- | --- | --- |
| **unmetRx\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes, unmet need for care due to cost** | 1283 | 2.56 | 1283 | 2.56 |
| **No unmet need** | 48897 | 97.44 | 50180 | 100.00 |
| **Frequency Missing = 82** | | | | |

| **Children who needed a eyeglasses, but didn't get because their family couldn't afford it in the past 12 months, 2-17 years only** | | | | |
| --- | --- | --- | --- | --- |
| **unmeteye\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 1031 | 2.32 | 1031 | 2.32 |
| **No** | 43318 | 97.68 | 44349 | 100.00 |
| **Frequency Missing = 5913** | | | | |

| **Children who currently receive Special Education and Early intervention Services** | | | | |
| --- | --- | --- | --- | --- |
| **SPECEDU\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Yes** | 3610 | 7.19 | 3610 | 7.19 |
| **No** | 46613 | 92.81 | 50223 | 100.00 |
| **Frequency Missing = 39** | | | | |

| **Children who receive Special Education and Early Intervention Service due to emotional/behavioral problems** | | | | |
| --- | --- | --- | --- | --- |
| **SPECEDU\_EM\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Receives SE/EIS due to emotional/behavioral problem** | 1220 | 34.00 | 1220 | 34.00 |
| **Receives SE/EIS (not from emotional/behavioral problem)** | 2368 | 66.00 | 3588 | 100.00 |
| **Frequency Missing = 46674** | | | | |

**Family Resources and Health Care Cost**

| **Worried about running out of food** | | | | |
| --- | --- | --- | --- | --- |
| **FOODWORRY\_3yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Often or sometimes true** | 9544 | 24.50 | 9544 | 24.50 |
| **Never true** | 29418 | 75.50 | 38962 | 100.00 |
| **Frequency Missing = 11300** | | | | |

| **Food we bought did not last** | | | | |
| --- | --- | --- | --- | --- |
| **FOOD\_LAST\_3yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Often or sometimes true** | 7980 | 20.48 | 7980 | 20.48 |
| **Never true** | 30984 | 79.52 | 38964 | 100.00 |
| **Frequency Missing = 11298** | | | | |

| **Out-of-pocket cost for family medical/dental care** | | | | |
| --- | --- | --- | --- | --- |
| **DENTMEDCOST\_3yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **No Cost** | 5211 | 13.58 | 5211 | 13.58 |
| **$1-$499** | 12989 | 33.85 | 18200 | 47.43 |
| **$500-$1,999** | 11592 | 30.21 | 29792 | 77.64 |
| **$2,000-$2,999** | 3742 | 9.75 | 33534 | 87.39 |
| **$3,000 or more** | 4839 | 12.61 | 38373 | 100.00 |
| **Frequency Missing = 11889** | | | | |

| **Problems paying or unable to pay any medical bills** | | | | |
| --- | --- | --- | --- | --- |
| **MEDBILL\_3yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **No problems paying bills** | 30108 | 77.35 | 30108 | 77.35 |
| **Has problems paying bills** | 3875 | 9.95 | 33983 | 87.30 |
| **Unable to pay bills** | 4943 | 12.70 | 38926 | 100.00 |
| **Frequency Missing = 11336** | | | | |

**Stratifiers**

| **Child age groups (0-5, 6-11, 12-17)** | | | | |
| --- | --- | --- | --- | --- |
| **AGE3CH\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **0 to 5 years old** | 17218 | 34.26 | 17218 | 34.26 |
| **6 to 11 years old** | 15341 | 30.52 | 32559 | 64.78 |
| **12 to 17 years old** | 17703 | 35.22 | 50262 | 100.00 |

| **Sex** | | | | |
| --- | --- | --- | --- | --- |
| **SEX** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **1 Male** | 25899 | 51.53 | 25899 | 51.53 |
| **2 Female** | 24363 | 48.47 | 50262 | 100.00 |

| **Primary race/ethnicity of child** | | | | |
| --- | --- | --- | --- | --- |
| **RACE4CH\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Hispanic** | 15011 | 29.87 | 15011 | 29.87 |
| **NH White** | 22063 | 43.90 | 37074 | 73.76 |
| **NH Black** | 7723 | 15.37 | 44797 | 89.13 |
| **NH Other/Not Released** | 5465 | 10.87 | 50262 | 100.00 |

| **Ratio of imputed family income to poverty threshold (FPL)** | | | | |
| --- | --- | --- | --- | --- |
| **POVL\_I** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **0-99% FPL** | 11295 | 22.47 | 11295 | 22.47 |
| **100-199% FPL** | 12136 | 24.15 | 23431 | 46.62 |
| **200-399% FPL** | 14168 | 28.19 | 37599 | 74.81 |
| **400 FPL or above** | 12663 | 25.19 | 50262 | 100.00 |

| **Education of adult with highest education in family** | | | | |
| --- | --- | --- | --- | --- |
| **ADULTEDU\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **< High School** | 5680 | 11.32 | 5680 | 11.32 |
| **High School/GED** | 10289 | 20.50 | 15969 | 31.82 |
| **> High School** | 34214 | 68.18 | 50183 | 100.00 |
| **Frequency Missing = 79** | | | | |

| **Geographic region of residence of child** | | | | |
| --- | --- | --- | --- | --- |
| **REGIONR** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Midwest** | 10066 | 20.03 | 10066 | 20.03 |
| **Northeast** | 7738 | 15.40 | 17804 | 35.42 |
| **South** | 18267 | 36.34 | 36071 | 71.77 |
| **West** | 14191 | 28.23 | 50262 | 100.00 |

| **Family structure in 4 groups** | | | | |
| --- | --- | --- | --- | --- |
| **FAMSTRUC\_4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Single Mother** | 7550 | 15.03 | 7550 | 15.03 |
| **Two Parents (bio/adoptive)** | 21802 | 43.40 | 29352 | 58.43 |
| **Two Adult (1 is bio/adoptive)** | 17414 | 34.66 | 46766 | 93.09 |
| **Other** | 3472 | 6.91 | 50238 | 100.00 |
| **Frequency Missing = 24** | | | | |

| **Family insurance type (military insurance is included in public)** | | | | |
| --- | --- | --- | --- | --- |
| **instype4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Public only, including military** | 20886 | 41.73 | 20886 | 41.73 |
| **Private** | 25203 | 50.35 | 46089 | 92.08 |
| **Other** | 3965 | 7.92 | 50054 | 100.00 |
| **Frequency Missing = 208** | | | | |

| **Children's health insurance status at time of survey** | | | | |
| --- | --- | --- | --- | --- |
| **insstatus4yrs** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| **Not insured at the time of survey** | 3965 | 7.92 | 3965 | 7.92 |
| **Insured at the time of survey** | 46089 | 92.08 | 50054 | 100.00 |
| **Frequency Missing = 208** | | | | |