

# **MEPS HC-207 2018 Medical Conditions August 2020**

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The MEPS instrument design changed beginning in Spring of 2018, affecting Panel 23 Round 1, Panel 22 Round 3, and Panel 21 Round 5. For the Full-Year 2017 PUFs, the Panel 22 Round 3 and Panel 21 Round 5 data were transformed to the degree possible to conform to the previous design.

The Full-Year 2018 PUFs are the first year all rounds of data were collected with the re-designed instrument, and no data were transformed to conform to the previous design. In addition, the value -9 NOT ASCERTAINED was removed as an allowable value in the Full-Year 2018 PUFs. The new value -15 CANNOT BE COMPUTED has been added to the Full Year 2018 PUFs. **Data users should be aware of possible impacts on the data and especially trend analysis for these data years due to the design transition.**

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## **A. Data Use Agreement**

Individual identifiers have been removed from the micro-data contained in these files. Nevertheless, under sections 308 (d) and 903 (c) of the Public Health Service Act (42 U.S.C. 242m and 42 U.S.C. 299 a-1), data collected by the Agency for Healthcare Research and Quality (AHRQ) and/or the National Center for Health Statistics (NCHS) may not be used for any purpose other than for the purpose for which they were supplied; any effort to determine the identity of any reported cases is prohibited by law.

Therefore in accordance with the above referenced Federal Statute, it is understood that:

1. No one is to use the data in this data set in any way except for statistical reporting and analysis; and
2. If the identity of any person or establishment should be discovered inadvertently, then (a) no use will be made of this knowledge, (b) the Director Office of Management AHRQ will be advised of this incident, (c) the information that would identify any individual or establishment will be safeguarded or destroyed, as requested by AHRQ, and (d) no one else will be informed of the discovered identity; and
3. No one will attempt to link this data set with individually identifiable records from any data sets other than the Medical Expenditure Panel Survey or the National Health Interview Survey. Furthermore, linkage of the Medical Expenditure Panel Survey and the National Health Interview Survey may not occur outside the AHRQ Data Center, NCHS Research Data Center (RDC) or the U.S. Census RDC network.

By using these data you signify your agreement to comply with the above stated statutorily based requirements with the knowledge that deliberately making a false statement in any matter within the jurisdiction of any department or agency of the Federal Government violates Title 18 part 1 Chapter 47 Section 1001 and is punishable by a fine of up to \$10,000 or up to 5 years in prison.

The Agency for Healthcare Research and Quality requests that users cite AHRQ and the Medical Expenditure Panel Survey as the data source in any publications or research based upon these data.

## **B. Background**

### **1.0 Household Component**

The Medical Expenditure Panel Survey (MEPS) provides nationally representative estimates of health care use, expenditures, sources of payment, and health insurance coverage for the U.S. civilian noninstitutionalized population. The MEPS Household Component (HC) also provides estimates of respondents' health status, demographic and socio-economic characteristics, employment, access to care, and satisfaction with health care. Estimates can be produced for individuals, families, and selected population subgroups. The panel design of the survey, which includes 5 Rounds of interviews covering 2 full calendar years, provides data for examining person level changes in selected variables such as expenditures, health insurance coverage, and health status. Using computer assisted personal interviewing (CAPI) technology, information about each household member is collected, and the survey builds on this information from interview to interview. All data for a sampled household are reported by a single household respondent.

The MEPS HC was initiated in 1996. Each year a new panel of sample households is selected. Because the data collected are comparable to those from earlier medical expenditure surveys conducted in 1977 and 1987, it is possible to analyze long-term trends. Each annual MEPS HC sample size is about 15,000 households. Data can be analyzed at either the person or event level. Data must be weighted to produce national estimates.

The set of households selected for each panel of the MEPS HC is a subsample of households participating in the previous year's National Health Interview Survey (NHIS) conducted by the National Center for Health Statistics. The NHIS sampling frame provides a nationally representative sample of the U.S. civilian noninstitutionalized population and reflects an oversample of Blacks and Hispanics. In 2006, the NHIS implemented a new sample design, which included Asian persons in addition to households with Black and Hispanic persons in the oversampling of minority populations. NHIS introduced a new sample design in 2016 that discontinued oversampling of these minority groups. The linkage of the MEPS to the previous year's NHIS provides additional data for longitudinal analytic purposes.

### **2.0 Medical Provider Component**

Upon completion of the household CAPI interview and obtaining permission from the household survey respondents, a sample of medical providers are contacted by telephone to obtain information that household respondents can not accurately provide. This part of the MEPS is called the Medical Provider Component (MPC) and information is collected on dates of visits, diagnosis and procedure codes, charges and payments. The Pharmacy Component (PC), a subcomponent of the MPC, does not collect charges or diagnosis and procedure codes but does collect drug detail information, including National Drug Code (NDC) and medicine name, as well as amounts of payment. The MPC is not designed to yield national estimates. It is primarily used as an imputation source to supplement/replace household reported expenditure information.

### **3.0 Survey Management and Data Collection**

MEPS HC and MPC data are collected under the authority of the Public Health Service Act. Data are collected under contract with Westat, Inc. (MEPS HC) and Research Triangle Institute (MEPS MPC). Data sets and summary statistics are edited and published in accordance with the confidentiality provisions of the Public Health Service Act and the Privacy Act. The National Center for Health Statistics (NCHS) provides consultation and technical assistance.

As soon as data collection and editing are completed, the MEPS survey data are released to the public in staged releases of summary reports, micro data files, and tables via the [MEPS website](#).

Additional information on MEPS is available from the MEPS project manager or the MEPS public use data manager at the Center for Financing, Access, and Cost Trends, Agency for Healthcare Research and Quality, 5600 Fishers Lane, Rockville, MD 20857 (301-427-1406).

## C. Technical and Programming Information

### 1.0 General Information

This documentation describes the data contained in MEPS Public Use Release HC-207, which is one in a series of public use data files to be released from the 2018 Medical Expenditure Panel Survey Household Component (MEPS HC). Released in ASCII (with related SAS, SPSS, and Stata programming statements and data user information) and SAS formats, this public use file provides information on household-reported medical conditions collected on a nationally representative sample of the civilian noninstitutionalized population of the United States for calendar year 2018 MEPS HC. The file contains 28 variables and has a logical record length of 107 with an additional 2-byte carriage return/line feed at the end of each record.

This documentation offers a brief overview of the types and levels of data provided and the content and structure of the files. It contains the following sections:

- Data File Information
- Survey Sample Information
- Merging/Linking MEPS Data Files
- Appendices
  - Variable-Source Crosswalk
  - Detailed ICD-10-CM Condition Code Frequencies
  - Detailed CCSR Code Frequencies
  - List of Conditions Asked in Priority Conditions Enumeration Section

A codebook of all the variables included in the 2018 Medical Conditions File is provided in an accompanying file.

For more information on the MEPS sample design, see Chowdhury et al (2019). A copy of the survey instrument used to collect the information on this file is available on the [MEPS website](#).

### 2.0 Data File Information

This file contains 91,970 records. Each record represents one *current* medical condition reported for a household survey member who resides in an eligible responding household and who has a positive person or family weight. A condition is defined as *current* if it is linked to an event during 2018. Conditions in the Priority Condition Enumeration (PE) section are asked in the context of “has person ever been told by a doctor or other health care professional that they have (condition)?” except joint pain and chronic bronchitis, which ask only about the last 12 months. Persons with a response of Yes (1) to a priority condition question for whom the condition is not *current* as defined above will not have a record for that condition in this file.

Records meeting one of the following criteria are included on the file:

- Panel 23 Round 1, Round 2, and Round 3 conditions that were linked to a 2018 event.
- Panel 22 Round 1 - Round 5 condition records linked to a 2018 event.

For most variables on the file, the codebook provides both weighted and unweighted frequencies. The exceptions to this are weight variables and variance estimation variables. Only unweighted frequencies of these variables are included in the accompanying codebook file. See the Weights Variables list in Appendix 1, Variable-Source Crosswalk.

Person-level data (e.g., demographic or health insurance characteristics) from the 2018 MEPS full-year consolidated file (HC-209) can be merged to the records in this file using DUPERSID (see Section 4.0 for details). Since each record represents a single condition reported by a household respondent, some household members may have multiple medical conditions and thus will be represented by multiple records on this file. Other household members may have had no reported medical conditions and thus will have no records on this file. Still other household members may have had a reported medical condition that did not meet the criteria above and thus will have no records on this file. Data from this file also can be merged to 2018 MEPS Event Files (HC-206A, and HC-206D through HC-206H) by using the link files provided in HC-206I. (See HC-206I documentation for details.)

## 2.1 Codebook Structure

The codebook and data file list variables in the following order:

- Unique person identifiers
- Unique condition identifiers
- Medical condition variables
- Utilization variables
- Weight and variance estimation variables

Note that the person identifier is unique within this data year.

## 2.2 Reserved Codes

The following reserved code values are used:

<b>Value</b>	<b>Definition</b>
-1 INAPPLICABLE	Question was not asked due to skip pattern
-7 REFUSED	Question was asked and respondent refused to answer question
-8 DK	Question was asked and respondent did not know answer
-15 CANNOT BE COMPUTED	Value cannot be derived from data



## 2.3 Codebook Format

This codebook describes an ASCII data set and provides the following programming identifiers for each variable:

<b>Identifier</b>	<b>Description</b>
Name	Variable name
Description	Variable descriptor
Format	Number of bytes
Type	Type of data: numeric (indicated by NUM) or character (indicated by CHAR)
Start	Beginning column position of variable in record
End	Ending column position of variable in record

## 2.4 Variable Naming

In general, variable names reflect the content of the variable, with an 8-character limitation. Edited variables end in an “X” and are so noted in the variable label. (CONDIDX, which is an encrypted identifier variable, also ends in an “X”.)

Variables contained in this delivery were derived either from the questionnaire itself or from the CAPI. The source of each variable is identified in Appendix 1, Variable-Source Crosswalk. Sources for each variable are indicated in one of three ways: (1) variables derived from CAPI or assigned in sampling are so indicated; (2) variables collected at one or more specific questions have those numbers and questionnaire sections indicated in the “SOURCE” column; and (3) variables constructed from multiple questions using complex algorithms are labeled “Constructed” in the “SOURCE” column.

## 2.5 File Contents

### 2.5.1 Identifier Variables (DUID-CONDRN)

The definitions of Dwelling Units (DUs) in the MEPS HC are generally consistent with the definitions employed for the National Health Interview Survey (NHIS). The dwelling unit ID (DUID) is a seven-digit random ID number assigned after the case was sampled for MEPS. A three-digit person number (PID) uniquely identifies each person within the DU.

The variable DUPERSID uniquely identifies each person represented on the file and is the combination of the variables DUID and PID. As part of the new CAPI design, the length of the ID variables has changed in the file. The additional 2 bytes in the IDs resulted from adding a 2-digit panel number to the beginning of all the IDs. Analysts wishing to pool data years 2017 and 2018 should add panel numbers to the beginning of Panel 22 Year 2017 ID variables, or remove the 2-digit panel number at the beginning of Panel 22 Year 2018 ID variables to ensure they identify the same person.

CONDN is the condition number and uniquely identifies each condition reported for an individual. The range on this file for CONDN is 1-906 and the range of total records for any one person on the file is 1-52.

The variable CONDIDX uniquely identifies each condition (i.e., each record on the file) and is the combination of DUPERSID and CONDN. CONDIDX has a length of 13 with DUPERSID (10) and CONDN (3) combined. Starting in FY18, CONDN is one less byte. Analysts wishing to pool data years 2017 and 2018 should add panel numbers to the beginning of Panel 22 Year 2017 ID variables and remove the padded leading zero from CONDN in the 2017 data.

PANEL is a constructed variable used to specify the panel number for the interview in which the condition was reported. PANEL will indicate either Panel 22 or Panel 23. Beginning in 2018, the panel number is included as the first two digits of the DUID and DUPERSID.

CONDRN indicates the round in which the condition was first *reported*. For a small number of cases, conditions that actually began in an earlier round were not reported by respondents until subsequent rounds of data collection. During file construction, editing was performed for these cases in order to reconcile the round in which a condition began and the round in which the condition was first reported.

## **2.5.2 Medical Condition Variables (AGEDIAG-ICD10CDX)**

This file contains variables describing medical conditions reported by respondents in several sections of the MEPS questionnaire, and all questionnaire sections collecting information about health provider visits and/or prescription medications (see Variable-Source Crosswalk in Appendix 1 for details).

### **2.5.2.1 Priority Conditions and Injuries**

Certain conditions were *a priori* designated as “priority conditions” due to their prevalence, expense, or relevance to policy. Some of these are long-term, life-threatening conditions, such as cancer, diabetes, emphysema, high cholesterol, hypertension, ischemic heart disease, and stroke. Others are chronic manageable conditions, including arthritis and asthma. The only mental health condition on the priority conditions list is attention deficit hyperactivity disorder/attention deficit disorder. See Appendix 3 for a full list of the priority conditions.

When a condition was first mentioned, respondents were asked whether it was due to an accident or injury (INJURY=1). Only non-priority conditions (i.e., conditions reported in a section other than PE) are eligible to be injuries. The interviewer is prevented from selecting priority conditions as injuries.

### **2.5.2.2 Age Priority Condition Began**

The age of diagnosis (AGEDIAG) was collected for all priority conditions, except joint pain. For confidentiality reasons, AGEDIAG is set to Inapplicable (-1) for cancer conditions.

To ensure confidentiality, age of diagnosis was top-coded to 85. This corresponds with the age top-coding in person-level PUFs.

### **2.5.2.3 Follow-up Questions for Injuries and Priority Conditions**

When a respondent reported that a condition resulted from an accident or injury (INJURY=1), respondents were asked during the round in which the injury was first reported whether the accident/injury occurred at work (ACCDNWRK). This question was not asked about persons aged 15 and younger; the condition had ACCDNWRK coded to inapplicable (-1) for those persons.

### **2.5.2.4 Sources for Conditions on the MEPS Conditions File**

The records on this file correspond with medical condition records collected by CAPI and stored on a person's MEPS conditions roster. Conditions can be added to the MEPS conditions roster in several ways. A condition can be reported in the Priority Condition Enumeration (PE) section in which persons are asked if they have been diagnosed with specific conditions. The condition can be identified as the reason reported by the household respondent for a particular medical event (hospital stay, outpatient visit, emergency room visit, home health episode, prescribed medication purchase, or medical provider visit). Some condition information is collected in the Medical Provider Component of MEPS. However, since it is not available for everyone in the sample, it is not used to supplement, replace, or verify household-reported condition data. Conditions reported in the PE section that are not current are not included on this file.

### **2.5.2.5 Treatment of Data from Rounds Not Occurring in 2018**

Prior to the 2008 file, priority conditions reported during Rounds 1 and 2 of the second year panel were included on the file even if the conditions were not related to an event or reported as a serious condition occurring in the second year of the panel. Beginning in 2008, priority conditions are included on the file only if they are current conditions. From 2008–2017, a current condition was defined as a condition linked to an event or a condition the person was currently experiencing (i.e., a condition selected in the Condition Enumeration (CE) section). However, starting in Panel 21 Round 5 and Panel 22 Round 3, a current condition is defined only as a condition linked to a 2018 event. Conditions from Rounds 1 and 2 that are not included in the 2018 file may be available in the 2017 Medical Conditions File if the person had a positive person or family weight in 2017. For 2018, 68 conditions from Panel 22 Rounds 1 and 2 are included on the 2018 Medical Conditions File for persons who did not appear on the previous year's file.

Note: Priority conditions are generally chronic conditions. Even though a person may not have reported an event in 2018 due to the condition, analysts should consider that the person is probably still experiencing the condition. If a Panel 22 person reported a priority condition in Round 1 or 2 and did not have an event for the condition in Round 3, 4, or 5, the condition will not be included on the 2018 Medical Conditions File.

### 2.5.2.6 Rounds in Which Conditions Were Reported/Selected (CRND1 – CRND5)

A set of constructed variables indicates the round in which the condition was first reported (CONDRN), and the subsequent round(s) in which the condition was selected (CRND1 – CRND5). The condition may be reported or selected when the person reports an event that occurred due to the condition. For example, consider a condition for which CRND1 = 0, CRND2 = 1, and CRND3 = 1. For non-priority conditions (conditions not asked in the PE section), this sequence of indicators on a condition record implies that the condition was not present during Round 1 (CRND1 = 0), was first mentioned during Round 2 (CRND2 = 1, CONDRN = 2), and was selected again during Round 3 (CRND3 = 1). For priority conditions, this sequence of indicators implies that the condition was reported in the PE section in Round 1 (CONDRN = 1, CRND1 = 0) but was not connected with an event until Rounds 2 and 3 (CRND2 = 1, CRND3 = 1). Because priority conditions are asked in the context of “has person ever been told by a doctor or other health care professional that they have (condition)?” except joint pain and chronic bronchitis, which ask only about the last 12 months, a priority condition might not be selected in the round in which it was first reported. For Panel 22 records, a condition is current if there is an event linked to a condition in Rounds 3, 4, or 5. For Panel 23 records, a condition is current if there is an event linked to a condition in Rounds 1, 2, or 3.

### 2.5.2.7 Diagnosis Codes

The medical conditions reported by the Household Component respondent were recorded by the interviewer as verbatim text and then were coded to ICD-10-CM codes (ICD10CDX) by professional coders.

Coders followed specific guidelines in coding missing values to the ICD-10-CM diagnosis condition variable. ICD10CDX was coded -15 (Cannot be Computed) where the verbatim text fell into one of three categories: (1) the text indicated that the condition was unknown (e.g., DK); (2) the text indicated the condition could not be diagnosed by a doctor (e.g., doctor doesn’t know); or (3) the specified condition was not codable. If the text indicated a procedure and the condition associated with the procedure could be discerned from the text, the condition itself is coded. For example, “cataract surgery” is coded as the condition “other cataract” (ICD10CDX is set to code “H26”). If the condition could not be discerned (e.g. “outpatient surgery”), ICD10CDX is set to -15.

In order to preserve confidentiality, all of the conditions provided on this file have been coded to 3-digit diagnosis code categories rather than the fully-specified ICD-10-CM code. For example, the ICD10CDX value of J02 “Acute pharyngitis” includes the fully-specified subclassifications J020 and J029; the value F31 “Bipolar disorder” includes the fully-specified subclassifications F3110 through F319. Table 1 in Appendix 2 provides unweighted and weighted frequencies for all ICD-10-CM condition code values reported on the file. Less than 1 percent of the ICD-10-CM codes on this file were edited further by collapsing two or more 3-digit codes into one 3-digit code. This includes clinically rare conditions that were recoded to broader codes by clinicians. A condition is determined to be clinically rare if it appears on the [National Institutes of Health’s list of rare diseases](#).

For confidentiality purposes, approximately 6% of ICD-10-CM codes were recoded to -15 (Cannot be Computed) for conditions where the frequency was less than 20 for the total unweighted population in the file or less than 200,000 for the weighted population. Additional factors used to determine recoding include age and gender.

In a small number of cases, diagnosis and condition codes were recoded to -15 (Cannot be Computed) if they denoted a pregnancy for a person younger than 16 or older than 44. Less than one-tenth of 1 percent of records were recoded in this manner on the 2018 Medical Conditions File. The person's age was determined by linking the 2018 Medical Conditions File to the 2017 and 2018 Person-Level Use PUFs. If the person's age is under 16 or over 44 in the round in which the condition was reported, the appropriate condition code was recoded to -15 (Cannot be Computed).

Users should note that because of the design of the survey, most deliveries (i.e., births) are coded as pregnancies. For more accurate estimates for deliveries, analysts should use RSNINHOS "Reason Entered Hospital" found on the Hospital Inpatient Stays Public Use File (HC-206D).

Each year, a few conditions on the final file may fall below the confidentiality threshold. This is due to the multistage file development process. The confidentiality recoding is performed on the preliminary version of the Conditions file each year. This preliminary version is used in the development of other event PUFs and, in turn, these event PUFs are used in the development of the final conditions file. During this process, some records from the preliminary file are dropped because only records that are relevant to the current data year are reflected in the final Conditions PUF.

Conditions file data can be merged with the 2018 MEPS Event Files. Because the conditions have been coded to 3-digit diagnosis code categories rather than the fully-specified ICD-10-CM code, it is possible for there to be duplicate ICD-10-CM condition codes linked to a single medical event when different fully-specified conditions are coded to the same 3-digit code. For information on merging data on this file with the 2018 MEPS Event Files (HC-206A, and HC-206D through HC-206H) refer to the link files provided in HC-206I, and see HC-206I documentation for details.

Conditions were reported in several sections of the HC questionnaire (see Variable-Source Crosswalk in Appendix 1). Labels for all values of ICD10CDX, as shown in Table 1 of Appendix 2, are provided in the SAS programming statements included in this release (see the H207SU.TXT file).

#### **2.5.2.8 Clinical Classification Software Refined**

Beginning in FY18, Clinical Classification Software Refined (CCSR) will be used alongside ICD-10-CM diagnosis codes to group medical conditions into clinically meaningful categories. One ICD-10-CM diagnosis code may map to up to five CCSR categories. However, for the 2018 Medical Conditions public use file (PUF), one ICD-10-CM diagnosis code may map to up to three CCSR categories (CCSR1X, CCSR2X, CCSR3X) using the v2019.1 release of the CCSR for ICD-10-CM diagnoses. The CCSR categories are listed in alphabetical order and do not

indicate a primary and secondary diagnosis. For more information on CCSR, visit the [user guide](#) for CCSR.

For confidentiality purposes, less than 2% of the CCSR categories were collapsed into a broader code for the appropriate body system where the frequency was less than 20 for the total unweighted population in the file or less than 200,000 for the weighted population. For example, BLD001 (Nutritional Anemia), may be recoded to BLD000 (Disease of Blood and Disorders Involving Immune Mechanism), thus revealing only the body system. Less than 1% of CCSR codes were recoded to -15 (Cannot be Computed) based on frequencies of ICD10CDX and CCSR pairs.

Table 2 in Appendix 2 provides unweighted and weighted frequencies for CCSR combinations reported on the file.

### **2.5.3 Utilization Variables (OBNUM – RXNUM)**

The variables OBNUM, OPNUM, HHNUM, IPNUM, ERNUM, and RXNUM indicate the total number of 2018 events that can be linked to each condition record on the current file, i.e., office-based, outpatient, home health, inpatient hospital stays, emergency room visits, and prescribed medicines, respectively.

These counts of events were derived from Expenditure Event Public Use Files (HC-206G, HC-206F, HC-206H, HC-206D, HC-206E, and HC-206A). Events associated with conditions include all utilization that occurred between January 1, 2018 and December 31, 2018.

Because persons can be seen for more than one condition per visit, these frequencies will not match the person or event-level utilization counts. For example, if a person had one inpatient hospital stay and was treated for a fractured hip, a fractured shoulder, and a concussion, each of these conditions has a unique record in this file and IPNUM=1 for each record. By summing IPNUM for these records, the total inpatient hospital stays would be three when actually there was only one inpatient hospital stay for that person and three conditions were treated. These variables are useful for determining the number of inpatient hospital stays associated with a particular condition.

## **3.0 Survey Sample Information**

### **3.1 Overview**

There is a single full year person-level weight (PERWT18F) assigned to each record for each key, in-scope person who responded to MEPS for the full period of time that he or she was in-scope during 2018. A key person was either a member of a responding NHIS household at the time of the interview or joined a family associated with such a household after being out-of-scope at the time of the NHIS (the latter circumstance includes newborns as well as those returning from military service, an institution, or residence in a foreign country). A person is in-scope whenever he or she is a member of the civilian noninstitutionalized portion of the U.S. population.

## **3.2 Details on Person Weight Construction**

The person-level weight PERWT18F was developed in several stages. First, person-level weights for Panel 22 and Panel 23 were created separately. The weighting process for each panel included adjustments for nonresponse over time and calibration to independent population totals. The calibration was initially accomplished separately for each panel by raking the corresponding sample weights to Current Population Survey (CPS) population estimates based on six variables. The six variables used in the establishment of the initial person-level control figures were: educational attainment of the reference person (no degree, high school/GED no college, some college, bachelor degree or higher); census region (Northeast, Midwest, South, West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic; Black, non-Hispanic; Asian, non-Hispanic; and other); sex; and age. A 2018 composite weight was then formed by multiplying each weight from Panel 22 by the factor .49 and each weight from Panel 23 by the factor .51. Using such factors to form composite weights serves to limit the variance of estimates obtained from pooling the two samples. The resulting composite weight was raked to the same set of CPS-based control totals. Then, when the poverty status information (derived from the MEPS income variables) became available, another raking was undertaken, establishing control figures reflecting poverty status rather than educational attainment. Thus control totals were established using poverty status (five categories: below poverty, from 100 to 125 percent of poverty, from 125 to 200 percent of poverty, from 200 to 400 percent of poverty, at least 400 percent of poverty) as well as the other five variables previously used in the weight calibration.

### **3.2.1 MEPS Panel 22 Weight Development Process**

The person-level weight for an individual in MEPS Panel 22 was developed using the 2017 full year weight as a “base” weight for each survey participant present in 2017. For key, in-scope members who joined an RU some time in 2018 after being out-of-scope in 2017, the initially assigned person-level weight was the corresponding 2017 family weight. The weighting process included an adjustment for person-level nonresponse over Rounds 4 and 5 as well as raking to population control figures for December 2018 for key, responding persons in-scope on December 31, 2018. These control figures were derived by scaling back the population distribution obtained from the March 2019 CPS to reflect the December 31, 2018 estimated population total (estimated based on Census projections for January 1, 2019). Variables used for person-level raking included: educational attainment of the reference person (no degree, high school/GED no college, some college, bachelor degree or higher); census region (Northeast, Midwest, South, West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic; Black, non-Hispanic; Asian, non-Hispanic; and other); sex; and age. The final weight for key, responding persons who were not in-scope on December 31, 2018 but were in-scope earlier in the year was the person weight after the nonresponse adjustment.

Note that the 2017 full-year weight that was used as the base weight for Panel 22 was derived using the MEPS Round 1 weight and adjusting it further for nonresponse over the remaining data collection rounds in 2017 and raking to the December 2017 population control figures.

### **3.2.2 MEPS Panel 23 Weight Development Process**

The person-level weight for an individual in MEPS Panel 23 was developed using the 2018 MEPS Round 1 person-level weight as a “base” weight. For key, in-scope members who joined an RU after Round 1, the Round 1 family weight served as a “base” weight. The weighting process included an adjustment for nonresponse over the remaining data collection rounds in 2018 as well as raking to the same population control figures for December 2018 used for the MEPS Panel 22 weights for key, responding persons in-scope on December 31, 2018. The same six variables employed for Panel 22 raking (educational attainment of the reference person, census region, MSA status, race/ethnicity, sex, and age) were used for Panel 23 raking. Again, the final weight for key, responding persons who were not in-scope on December 31, 2018 but were in-scope earlier in the year was the person weight after the nonresponse adjustment.

Note that the MEPS Round 1 weights for Panel 23 incorporated the following components: the original household probability of selection for the NHIS and for the NHIS subsample reserved for MEPS and adjustment for NHIS nonresponse, the probability of selection for MEPS from NHIS, an adjustment for nonresponse at the dwelling unit level for Round 1, and poststratification to U.S. civilian noninstitutionalized population estimates at the family and person level obtained from the corresponding March CPS databases.

### **3.2.3 The Final Weight for 2018**

The final raking of those in-scope at the end of the year has been described above. In addition, the composite weights of two groups of persons who were out-of-scope on December 31, 2018 were adjusted for expected undercoverage. Specifically, the weights of those who were in-scope some time during the year, out-of-scope on December 31, and entered a nursing home during the year and still residing in a nursing home at the end of the year were adjusted to compensate for expected undercoverage for this subpopulation. The weights of persons who died while in-scope during 2018 were poststratified to corresponding estimates derived using data obtained from the Medicare Current Beneficiary Survey (MCBS) and Vital Statistics information provided by the National Center for Health Statistics (NCHS). Separate decedent control totals were developed for the “65 and older” and “under 65” civilian noninstitutionalized populations.

Overall, the weighted population estimate for the civilian noninstitutionalized population for December 31, 2018 is 322,920,490 (PERWT18F>0 and INSC1231=1). The sum of the person-level weights across all persons assigned a positive person-level weight is 326,327,888.

### **3.2.4 Coverage**

The target population for MEPS in this file is the 2018 U.S. civilian noninstitutionalized population. However, the MEPS sampled households are a subsample of the NHIS households interviewed in 2016 (Panel 22) and 2017 (Panel 23). New households created after the NHIS interviews for the respective panels and consisting exclusively of persons who entered the target population after 2016 (Panel 22) or after 2017 (Panel 23) are not covered by MEPS. Neither are previously out-of-scope persons who join an existing household but are unrelated to the current household residents. Persons not covered by a given MEPS panel thus include some members of the following groups: immigrants, persons leaving the military, U.S. citizens returning from



residence in another country, and persons leaving institutions. The set of uncovered persons constitutes only a small segment of the MEPS target population.

### **3.3 Using MEPS Data for Trend Analysis**

MEPS began in 1996, and the utility of the survey for analyzing health care trends expands with each additional year of data; however, there are a variety of methodological and statistical considerations when examining trends over time using MEPS. Examining changes over longer periods of time can provide a more complete picture of underlying trends. In particular, large shifts in survey estimates over short periods of time (e.g. from one year to the next) that are statistically significant should be interpreted with caution unless they are attributable to known factors such as changes in public policy, economic conditions, or survey methodology.

In 2013 MEPS survey operations introduced an effort to obtain more complete information about health care utilization from MEPS respondents with full implementation in 2014. This effort resulted in improved data quality and a reduction in underreporting in the second half of 2013 and throughout 2014. Respondents tended to report more visits, especially non-physician visits, by sample members and the new approach appeared particularly effective among those subgroups with relatively large numbers of visits, such as the elderly, Medicare beneficiaries, and people with multiple chronic conditions, disabilities, or poor health. Reported spending on visits also tended to increase, especially for such subgroups.

The aforementioned change in the NHIS sample design in 2016 could also potentially affect trend analyses. The new NHIS sample design is based on more up-to-date information related to the distribution of housing units across the U.S. As a result, it can be expected to better cover the full U.S. civilian, noninstitutionalized population, the target population for MEPS, as well as many of its subpopulations. Better coverage of the target population helps to reduce the potential for bias in both NHIS and MEPS estimates.

A significant change to the Conditions file occurred in 2016 when ICD-10-CM condition codes replaced ICD-9-CM codes. See section 2.5.2.7 for details. In addition, prior to 2018, a single CCS code was assigned to each condition to group conditions into clinically meaningful categories. Beginning in 2018, MEPS transitioned to CCSR codes, and up to three CCSR codes were assigned to a single condition. See section 2.5.2.8 for details. Also in 2018, the inclusion criteria for conditions changed; therefore, fewer conditions are on the 2018 file compared to previous years. See section 2.0 for a discussion of conditions included on the file.

Another change with the potential to affect trend analysis involved modifications to the MEPS instrument design and data collection process. These were introduced in the Spring of 2018 and thus affected data beginning with Round 1 of Panel 23, Round 3 of Panel 22, and Round 5 of Panel 21. Since the Full Year 2017 PUFs were established from data collected in Rounds 1-3 of Panel 22 and Rounds 3-5 of Panel 21, they reflected two different instrument designs. In order to mitigate the effect of such differences within the same full year file, the Panel 22 Round 3 data and the Panel 21 Round 5 data were transformed to make them as consistent as possible with data collected under the previous design. The changes were designed to make the data collection effort more efficient and easy to administer with expectations that data on some items, such as those related to health care events, would be more complete with the potential for identifying

more events. Increases in service use reported, since the implementation of these changes are consistent with these expectations.

As always, it is recommended that data users review relevant sections of the documentation for descriptions of these types of changes before undertaking trend analyses.

Analysts may also wish to consider using statistical techniques to smooth or stabilize analyses of trends using MEPS data such as comparing pooled time periods (e.g. 1996-97 versus 2011-12), working with moving averages or using modeling techniques with several consecutive years of MEPS data to test the fit of specified patterns over time.

Finally, statistical significance tests should be conducted to assess the likelihood that observed trends are not attributable to sampling variation. In addition, researchers should be aware of the impact of multiple comparisons on Type I error. Without making appropriate allowance for multiple comparisons, undertaking numerous statistical significance tests of trends increases the likelihood of concluding that a change has taken place when one has not.

#### **4.0 Merging/Linking MEPS Data Files**

Data from the current file can be used alone or in conjunction with other files. Merging characteristics of interest from person-level files expands the scope of potential estimates. See HC-206I for instructions on merging the Conditions File to the Medical Event Files. Person-level characteristics can be merged to this Conditions File using the following procedure (example given for the SAS programming language):

1. Sort the person-level file by person identifier, DUPERSID. Keep only DUPERSID and the variables to be merged onto the Conditions File.
2. Sort the Conditions File by person identifier, DUPERSID.
3. Merge both files by DUPERSID, and output all records in the Conditions File.
4. If PERS contains the person-level variables, and COND is the Conditions File, the following code can be used to add person-level variables to the person's conditions in the Condition-level file.

```
PROC SORT DATA=PERS(KEEP=DUPERSID AGE SEX EDUCYR HIDEQ)  
OUT=PERSX; BY DUPERSID;  
RUN;
```

```
PROC SORT DATA=COND; BY DUPERSID;  
RUN;
```

```
DATA COND;  
MERGE COND (IN=A) PERSX(IN=B); BY DUPERSID;  
IF A;  
RUN;
```

#### **4.1 National Health Interview Survey (NHIS)**

Data from this file can be used alone or in conjunction with other files for different analytic purposes. Each MEPS panel can also be linked back to the previous years' National Health Interview Survey public use data files. For information on MEPS/NHIS link files please see the [AHRQ website](#).

#### **4.2 Longitudinal Analysis**

Panel-specific longitudinal files are available for downloading in the data section of the MEPS website. For each panel, the longitudinal file comprises MEPS survey data obtained in Rounds 1 through 5 of the panel and can be used to analyze changes over a two-year period. Variables in the file pertaining to survey administration, demographics, employment, health status, disability days, quality of care, patient satisfaction, health insurance, and medical care use and expenditures were obtained from the MEPS full-year Consolidated files from the two years covered by that panel.

For more details or to download the data files, please see Longitudinal Data Files at the [AHRQ website](#).

## References

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**Appendix 1**  
**Variable-Source Crosswalk**

**Appendix 1 – Variable-Source Crosswalk**  
**FOR MEPS HC-207: 2018 MEDICAL CONDITIONS**  
**UNIQUE IDENTIFIER VARIABLES**

<b>VARIABLE</b>	<b>LABEL</b>	<b>SOURCE<sup>1</sup></b>
DUID	Panel # + Encrypted DU Identifier	Assigned In Sampling
PID	Person Number	Assigned In Sampling
DUPERSID	Person ID (DUID + PID)	Assigned In Sampling
CONDN	Condition Number	CAPI Derived
CONDIDX	Condition ID	CAPI Derived
PANEL	Panel Number	Constructed
CONDRN	Condition Round Number	CAPI Derived

**MEDICAL CONDITION VARIABLES**

<b>VARIABLE</b>	<b>LABEL</b>	<b>SOURCE<sup>1</sup></b>
AGEDIAG	Age When Diagnosed	PE section
CRND1	Has Condition Information In Round 1	Constructed
CRND2	Has Condition Information In Round 2	Constructed
CRND3	Has Condition Information In Round 3	Constructed
CRND4	Has Condition Information In Round 4	Constructed
CRND5	Has Condition Information In Round 5	Constructed
INJURY	Was Condition Due To Accident/Injury	AH80
ACCDNWRK	Did Accident Occur At Work	AH90
ICD10CDX	ICD-10-CM Code For Condition - Edited	HS40, ER30, OP60, MV70, HH80, PM120, PE Section (Edited)
CCSR1X	Clinical Classification Refined Code 1- Edited	HS40, ER30, OP60, MV70, HH80, PM120, PE section (Edited)
CCSR2X	Clinical Classification Refined Code 2- Edited	HS40, ER30, OP60, MV70, HH80, PM120, PE section (Edited)
CCSR3X	Clinical Classification Refined Code 3- Edited	HS40, ER30, OP60, MV70, HH80,

<sup>1</sup> See the Household Component section under Survey Questionnaires on the MEPS home page for information on the MEPS HC questionnaire sections shown in the Source column (e.g., PE).

<b>VARIABLE</b>	<b>LABEL</b>	<b>SOURCE<sup>1</sup></b>
		PM120, PE section (Edited)

#### **UTILIZATION VARIABLES**

<b>VARIABLE</b>	<b>LABEL</b>	<b>SOURCE<sup>1</sup></b>
HHNUM	# Home Health Events Assoc. w/ Condition	Constructed
IPNUM	# Inpatient Events Assoc. w/ Condition	Constructed
OPNUM	# Outpatient Events Assoc. w/ Condition	Constructed
OBNUM	# Office-Based Events Assoc. w/ Condition	Constructed
ERNUM	# ER Events Assoc. w/ Condition	Constructed
RXNUM	# Prescribed Medicines Assoc. w/ Cond.	Constructed

#### **WEIGHTS AND VARIANCE ESTIMATION VARIABLES**

<b>VARIABLE</b>	<b>LABEL</b>	<b>SOURCE<sup>1</sup></b>
PERWT18F	Expenditure File Person Weight, 2018	Constructed
VARSTR	Variance Estimation Stratum, 2018	Constructed
VARPSU	Variance Estimation PSU, 2018	Constructed

<sup>1</sup> See the Household Component section under Survey Questionnaires on the MEPS home page for information on the MEPS HC questionnaire sections shown in the Source column (e.g., PE).

**Appendix 2**  
**ICD10CDX and CCSR Condition Code Frequencies**



Table 1  
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD10CDX

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
-15	CANNOT BE COMPUTED	5140	55209396.94
A04	OTHER BACTERIAL INTESTINAL INFECTIONS	30	309745.86
A08	VIRAL AND OTHER SPECIFIED INTEST INFECTION	145	1491283.09
A09	INFECT GASTROENTERITIS AND COLITIS, UNSPEC	30	324217.39
A41	OTHER SEPSIS	30	363221.50
A49	BACTERIAL INFECTION OF UNSPECIFIED SITE	191	2232123.87
A69	OTHER SPIROCHETAL INFECTIONS	33	323245.85
B00	HERPESVIRAL [HERPES SIMPLEX] INFECTIONS	130	1747899.04
B02	ZOSTER [HERPES ZOSTER]	100	1082506.78
B07	VIRAL WARTS	129	1634896.40
B08	OTH VIR INFECTION SKIN AND MUC MEMB LES, NEC	40	481364.08
B19	UNSPECIFIED VIRAL HEPATITIS	36	274355.32
B34	VIRAL INFECTION OF UNSPECIFIED SITE	207	2434172.97
B35	DERMATOPHYTOSIS	163	1812572.92
B36	OTHER SUPERFICIAL MYCOSES	21	292435.50
B37	CANDIDIASIS	205	2467881.51
B49	UNSPECIFIED MYCOSIS	47	546842.54
B99	OTHER AND UNSPEC INFECTION DISEASES	130	1457341.36
C18	MALIGNANT NEOPLASM OF COLON	54	518891.21
C34	MALIGNANT NEOPLASM OF BRONCHUS AND LUNG	64	612266.21
C43	MALIGNANT MELANOMA OF SKIN	117	1328817.56
C44	OTHER AND UNSPEC MALIGNANT NEOPLASM SKIN	449	5193468.26
C50	MALIGNANT NEOPLASM OF BREAST	229	2462761.18
C61	MALIGNANT NEOPLASM OF PROSTATE	167	1558316.85
C64	MAL NEO KIDNEY, EXCEPT RENAL PELVIS	40	506227.21
C67	MALIGNANT NEOPLASM OF BLADDER	47	450962.41
C73	MALIGNANT NEOPLASM OF THYROID GLAND	62	673040.71
C80	MALIGN NEO W/O SPECIFICATION OF SITE	27	283016.67
C85	OTHER SPEC AND UNSPEC NON-HODGK LYMPHOM	38	373474.99
C95	LEUKEMIA OF UNSPECIFIED CELL TYPE	44	404609.12
D04	CARCINOMA IN SITU OF SKIN	58	593205.20
D17	BENIGN LIPOMATOUS NEOPLASM	21	260488.12
D21	OTH BEN NEO CONNECT AND OTHER SOFT TISS	39	441289.05
D22	MELANOCYTIC NEVI	144	1772543.56
D49	NEOPLASMS OF UNSPECIFIED BEHAVIOR	216	2317129.65
D64	OTHER ANEMIAS	228	2419806.39
D68	OTHER COAGULATION DEFECTS	36	372882.35
D75	OTH UNSPEC DIS BLOOD AND BLOOD-FORM ORG	37	433780.05
E03	OTHER HYPOTHYROIDISM	740	8866312.81
E04	OTHER NONTOXIC GOITER	48	534034.42
E05	THYROTOXICOSIS [HYPERTHYROIDISM]	124	1343820.01
E06	THYROIDITIS	34	404429.79
E07	OTHER DISORDERS OF THYROID	1075	11108539.27
E11	TYPE 2 DIABETES MELLITUS	2680	25699140.66
E28	OVARIAN DYSFUNCTION	58	728375.54
E34	OTHER ENDOCRINE DISORDERS	128	1501694.95
E53	DEFICIENCY OF OTHER B GROUP VITAMINS	78	792033.67
E55	VITAMIN D DEFICIENCY	315	3031078.47
E56	OTHER VITAMIN DEFICIENCIES	41	453123.15
E58	DIETARY CALCIUM DEFICIENCY	32	261757.58
E61	DEFICIENCY OF OTHER NUTRIENT ELEMENTS	66	699888.56
E66	OVERWEIGHT AND OBESITY	124	1503356.35
E78	DISORD LIPOPROTEIN METAB AND OTH LIPIDEM	4487	46347206.93
E83	DISORDERS OF MINERAL METABOLISM	35	350874.39
E86	VOLUME DEPLETION	101	1100697.57
E87	OTH DISORD FLUID, ELECTROL ACID-BASE BAL	289	2837514.29
F03	UNSPECIFIED DEMENTIA	95	900038.10
F10	ALCOHOL RELATED DISORDERS	46	501051.32
F11	OPIOID RELATED DISORDERS	20	186505.46
F19	OTH PSYCHOACTIVE SUBSTANCE REL DISORDERS	48	501116.53
F20	SCHIZOPHRENIA	75	591916.36
F31	BIPOLAR DISORDER	294	2860214.44
F32	MAJ DEPRESSIVE DISORDER, SINGLE EPISODE	1973	20534000.38
F34	PERSISTENT MOOD [AFFECTIVE] DISORDERS	33	326703.38
F39	UNSPECIFIED MOOD [AFFECTIVE] DISORDER	95	1245331.14
F40	PHOBIC ANXIETY DISORDERS	25	268092.82
F41	OTHER ANXIETY DISORDERS	2280	24978412.32
F42	OBSESSIVE-COMPULSIVE DISORDER	56	618355.20

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
F43	REACTION SEVER STRESS, AND ADJUST DISORD	515	5278479.05
F51	SLEEP DIS NOT DUE TO SUB OR KNOW PHY CON	36	381190.54
F80	SPEC DEVELOP DISORD SPEECH AND LANGUAGE	56	517451.88
F84	PERVASIVE DEVELOPMENTAL DISORDERS	125	1490129.47
F90	ATTENTION-DEFICIT HYPERACTIVITY DISORDER	819	9063072.18
F91	CONDUCT DISORDERS	79	757346.53
F99	MENTAL DISORDER, NOT OTHERWISE SPECIFIED	82	812367.37
G20	PARKINSON'S DISEASE	66	763443.26
G25	OTHER EXTRAPYRAMIDAL AND MOVEMENT DISORD	209	2183005.70
G30	ALZHEIMER'S DISEASE	40	464556.53
G35	MULTIPLE SCLEROSIS	65	824204.15
G40	EPILEPSY AND RECURRENT SEIZURES	111	1034103.32
G43	MIGRAINE	526	6027080.28
G45	TRANSNT CEREB ISCHEM ATTACK AND REL SYND	361	3634122.99
G47	SLEEP DISORDERS	1528	15885104.90
G54	NERVE ROOT AND PLEXUS DISORDERS	21	250080.37
G56	MONONEUROPATHIES OF UPPER LIMB	127	1274138.22
G57	MONONEUROPATHIES OF LOWER LIMB	126	1356647.32
G58	OTHER MONONEUROPATHIES	71	789994.62
G62	OTHER AND UNSPECIFIED POLYNEUROPATHIES	286	2909784.08
G80	CEREBRAL PALSY	30	208154.19
G89	PAIN, NOT ELSEWHERE CLASSIFIED	405	4382379.08
G93	OTHER DISORDERS OF BRAIN	41	468155.18
H00	HORDEOLUM AND CHALAZION	46	462746.67
H02	OTHER DISORDERS OF EYELID	52	656287.61
H04	DISORDERS OF LACRIMAL SYSTEM	235	2723078.55
H10	CONJUNCTIVITIS	159	2106247.88
H26	OTHER CATARACT	687	6885806.51
H33	RETINAL DETACHMENTS AND BREAKS	52	594779.71
H35	OTHER RETINAL DISORDERS	261	2714729.85
H40	GLAUCOMA	517	5044616.27
H43	DISORDERS OF VITREOUS BODY	54	545761.88
H44	DISORDERS OF GLOBE	137	1455736.64
H52	DISORDERS REFRACTION AND ACCOMMODATION	513	6716181.35
H53	VISUAL DISTURBANCES	225	2729133.49
H54	BLINDNESS AND LOW VISION	95	905960.00
H57	OTHER DISORDERS OF EYE AND ADNEXA	239	2371246.49
H61	OTHER DISORDERS OF EXTERNAL EAR	107	1305214.25
H65	NONSUPPURATIVE OTITIS MEDIA	41	519067.61
H66	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	761	8709163.55
H72	PERFORATION OF TYMPANIC MEMBRANE	22	252781.44
H81	DISORDERS OF VESTIBULAR FUNCTION	25	238642.72
H83	OTHER DISEASES OF INNER EAR	20	194156.30
H91	OTHER AND UNSPECIFIED HEARING LOSS	300	3100816.76
H92	OTALGIA AND EFFUSION OF EAR	125	1291958.23
H93	OTHER DISORDERS OF EAR, NEC	95	1028869.61
I10	ESSENTIAL (PRIMARY) HYPERTENSION	6216	62579580.97
I20	ANGINA PECTORIS	181	1748263.05
I21	ACUTE MYOCARDIAL INFARCTION	507	5065727.49
I25	CHRONIC ISCHEMIC HEART DISEASE	810	8146490.09
I26	PULMONARY EMBOLISM	22	245152.04
I34	NONRHEUMATIC MITRAL VALVE DISORDERS	43	461999.07
I35	NONRHEUMATIC AORTIC VALVE DISORDERS	20	198140.10
I38	ENDOCARDITIS, VALVE UNSPECIFIED	84	874091.50
I48	ATRIAL FIBRILLATION AND FLUTTER	339	3779304.52
I49	OTHER CARDIAC ARRHYTHMIAS	303	3259165.89
I50	HEART FAILURE	210	2057589.62
I51	COMP AND ILL-DEFINED DESCRIPT HEART DIS	311	3050931.86
I63	CEREBRAL INFARCTION	64	681776.42
I71	AORTIC ANEURYSM AND DISSECTION	35	309558.51
I72	OTHER ANEURYSM	37	366777.59
I73	OTHER PERIPHERAL VASCULAR DISEASES	62	619814.16
I74	ARTERIAL EMBOLISM AND THROMBOSIS	265	2635852.44
I77	OTH DISORDERS OF ARTERIES AND ARTERIOLES	32	295116.86
I83	VARICOSE VEINS OF LOWER EXTREMITIES	48	522381.29
I87	OTHER DISORDERS OF VEINS	27	281228.18
I89	OTH NONINF DISOR LYMPH VESSEL LYMPH NODE	27	311939.74
I99	OTH AND UNSPEC DISORD CIRCULATORY SYSTEM	57	508706.86
J00	ACUTE NASOPHARYNGITIS [COMMON COLD]	681	8008653.98
J02	ACUTE PHARYNGITIS	710	8556490.79

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
J03	ACUTE TONSILLITIS	34	286538.02
J05	ACUTE OBSTR LARYNG [CROUP] EPIGLOTTITIS	28	404355.93
J06	ACUTE UP RESP INFEC MULT AND UNSPEC SITE	230	2658297.74
J09	INFLU DUE TO CERTAIN IDENT INFLU VIRUSES	43	548125.36
J10	INFLU DUE TO OTH IDENTIFIED INFLU VIR	27	276274.78
J11	INFLU DUE TO UNIDENTIFIED INFLU VIR	1148	12661892.85
J18	PNEUMONIA, UNSPECIFIED ORGANISM	420	4707591.68
J20	ACUTE BRONCHITIS	38	422834.88
J30	VASOMOTOR AND ALLERGIC RHINITIS	242	2605026.59
J32	CHRONIC SINUSITIS	702	8476504.81
J34	OTHER AND UNSPEC DIS NOSE, NASAL SINUSES	276	2928819.20
J35	CHRONIC DISEASES OF TONSILS AND ADENOIDS	61	645331.22
J39	OTHER DISEASE OF UPPER RESPIRATORY TRACK	82	820608.89
J40	BRONCHITIS, NOT SPEC AS ACUTE OR CHRONIC	479	5269758.06
J42	UNSPECIFIED CHRONIC BRONCHITIS	236	2363030.20
J43	EMPHYSEMA	195	1862336.66
J44	OTH CHRONIC OBSTRUCTIVE PULMON DISEASE	335	3204360.32
J45	ASTHMA	1912	19717005.78
J81	PULMONARY EDEMA	28	288600.41
J98	OTHER RESPIRATORY DISORDERS	208	2295919.94
K01	EMBEDDED AND IMPACTED TEETH	50	666647.94
K02	DENTAL CARIES	32	338194.30
K04	DISEASES OF PULP AND PERIAPICAL TISSUES	172	1787659.61
K05	GINGIVITIS AND PERIODONTAL DISEASES	44	445997.47
K08	OTH DISORD TEETH AND SUPPORT STRUCTURES	263	3136524.52
K13	OTHER DISEASES OF LIP AND ORAL MUCOSA	31	335698.19
K21	GASTRO-ESOPHAGEAL REFLUX DISEASE	1736	17955251.61
K22	OTHER DISEASES OF ESOPHAGUS	73	797353.05
K25	GASTRIC ULCER	34	299741.82
K29	GASTRITIS AND DUODENITIS	103	810272.40
K30	FUNCTIONAL DYSPEPSIA	179	1867686.39
K31	OTHER DISEASES OF STOMACH AND DUODENUM	253	2626881.06
K37	UNSPECIFIED APPENDICITIS	22	263865.90
K44	DIAPHRAGMATIC HERNIA	51	503178.16
K46	UNSPECIFIED ABDOMINAL HERNIA	166	1658702.37
K50	CROHN'S DISEASE [REGIONAL ENTERITIS]	44	496409.64
K51	ULCERATIVE COLITIS	31	348598.31
K52	OTH/UNSPEC NONINFECT GASTROENT, COLITIS	78	755278.76
K56	PARALYT ILEUS INTEST OBST W/O HERNIA	40	490060.49
K57	DIVERTICULAR DISEASE OF INTESTINE	107	1120782.69
K58	IRRITABLE BOWEL SYNDROME	144	1556274.11
K59	OTHER FUNCTIONAL INTESTINAL DISORDERS	330	3113276.68
K63	OTHER DISEASES OF INTESTINE	102	1063185.43
K64	HEMORRHOIDS PERIANAL VENOUS THROMBOSIS	87	1110792.07
K74	FIBROSIS AND CIRRHOSIS OF LIVER	26	272175.47
K76	OTHER DISEASES OF LIVER	87	819305.45
K80	CHOLELITHIASIS	54	613403.77
K82	OTHER DISEASES OF GALLBLADDER	101	1014895.58
K85	ACUTE PANCREATITIS	27	288101.84
K92	OTHER DISEASES OF DIGESTIVE SYSTEM	81	797466.35
L02	CUTAN ABSCESS, FURUNCLE AND CARBUNCLE	76	795247.20
L03	CELLULITIS AND ACUTE LYMPHANGITIS	97	1187917.44
L08	OTH LOCAL INFEC SKIN AND SUBCUTAN TISSUE	185	1778921.00
L21	SEBORRHEIC DERMATITIS	28	288638.24
L23	ALLERGIC CONTACT DERMATITIS	106	1333467.30
L29	PRURITUS	80	845159.68
L30	OTHER AND UNSPECIFIED DERMATITIS	306	3173382.33
L40	PSORIASIS	130	1521861.34
L50	URTICARIA	64	675917.56
L57	SKIN CHANGE CHRON EXPOS NONIONIZ RADIAT	34	422004.15
L60	NAIL DISORDERS	197	2106595.63
L65	OTHER NONSCARRING HAIR LOSS	48	651826.82
L70	ACNE	273	3511090.70
L71	ROSACEA	77	909868.42
L72	FOLLIC CYSTS SKIN AND SUBCUTANEOUS TISS	63	733901.02
L73	OTHER FOLLICULAR DISORDERS	22	190954.44
L81	OTHER DISORDERS OF PIGMENTATION	41	465697.81
L84	CORNS AND CALLOSITIES	53	556261.29
L91	HYPERTROPHIC DISORDERS OF SKIN	32	314832.38
L98	OTH DISORD SKIN SUBCUTANEOUS TISS, NEC	405	4743882.21

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
M06	OTHER RHEUMATOID ARTHRITIS	461	4438995.35
M10	GOUT	378	3863244.42
M16	OSTEOARTHRITIS OF HIP	29	321274.03
M17	OSTEOARTHRITIS OF KNEE	82	929494.15
M19	OTHER AND UNSPECIFIED OSTEOARTHRITIS	1858	18341852.56
M20	ACQUIRED DEFORMITIES OF FINGERS AND TOES	26	304219.96
M21	OTHER ACQUIRED DEFORMITIES OF LIMBS	71	828246.08
M23	INTERNAL DERANGEMENT OF KNEE	35	459477.40
M24	OTHER SPECIFIC JOINT DERANGEMENTS	26	291377.51
M25	OTHER JOINT DISORDER, NEC	2401	26138193.78
M32	SYSTEMIC LUPUS ERYTHEMATOSUS (SLE)	68	719975.51
M35	OTH SYSTEMIC INVOLVEMENT OF CONNECT TISS	52	641409.04
M41	SCOLIOSIS	105	1220160.44
M43	OTHER DEFORMING DORSOPATHIES	91	1323718.80
M46	OTHER INFLAMMATORY SPONDYLOPATHIES	40	457754.46
M48	OTHER SPONDYLOPATHIES	96	941748.85
M50	CERVICAL DISC DISORDERS	50	495134.43
M51	THOR, THORACO, LUMBOS INTERV DISC DISORD	372	3843263.64
M53	OTHER AND UNSPEC DORSOPATHIES, NEC	289	3316791.53
M54	DORSALGIA	1817	19202027.95
M62	OTHER DISORDERS OF MUSCLE	340	3716106.76
M65	SYNOVITIS AND TENOSYNOVITIS	50	469714.31
M67	OTHER DISORDERS OF SYNOVIUM AND TENDON	36	402678.15
M71	OTHER BURSOPATHIES	37	421505.70
M72	FIBROBLASTIC DISORDERS	101	1190531.94
M75	SHOULDER LESIONS	139	1565852.32
M76	ENTHESOPATHIES, LOWER LIMB, EXCLUDI FOOT	32	398005.96
M77	OTHER ENTHESOPATHIES	160	1891475.86
M79	OTH AND UNSPEC SOFT TISSUE DISORDER, NEC	1082	10843383.33
M81	OSTEOPOROSIS W/O CURR PATHOL FRACTURE	181	1857122.41
M85	OTH DISORD OF BONE DENSITY AND STRUCTURE	80	923090.44
M89	OTHER DISORDERS OF BONE	65	693576.38
M99	BIOMECHANICAL LESIONS, NEC	31	326245.31
N15	OTHER RENAL TUBULO-INTERSTITIAL DISEASES	77	793646.72
N18	CHRONIC KIDNEY DISEASE (CKD)	60	614501.26
N19	UNSPECIFIED KIDNEY FAILURE	72	743713.88
N20	CALCULUS OF KIDNEY AND URETER	242	2650614.83
N28	OTHER DISORDER OF KIDNEY AND URETER, NEC	294	2672483.36
N30	CYSTITIS	158	1525732.04
N32	OTHER DISORDERS OF BLADDER	209	2080962.83
N39	OTHER DISORDERS OF URINARY SYSTEM	706	7564630.45
N40	BENIGN PROSTATIC HYPERPLASIA	248	2666467.61
N42	OTHER AND UNSPECI DISORDERS OF PROSTATE	266	2902179.40
N50	OTH AND UNSPEC DISORDER MALE GEN ORGANS	23	292814.03
N52	MALE ERECTILE DYSFUNCTION	53	638043.63
N60	BENIGN MAMMARY DYSPLASIA	22	293827.96
N63	UNSPECIFIED LUMP IN BREAST	76	779145.36
N64	OTHER DISORDERS OF BREAST	50	557625.55
N76	OTHER INFLAMMATION OF VAGINA AND VULVA	43	501377.83
N80	ENDOMETRIOSIS	52	678475.57
N81	FEMALE GENITAL PROLAPSE	29	287185.27
N83	NONINFLAM DISOR OVA, FALLO TUB BROAD LIG	53	596196.59
N85	OTH NONINFLAM DISOR UTERUS, EXCEP CERVIX	39	426117.12
N89	OTHER NONINFLAM DISORDERS OF VAGINA	44	514270.99
N92	EXCESS, FREQUENT, IRREGULAR MENSTRUATION	120	1517979.30
N93	OTH ABNRM UTERINE AND VAGINAL BLEEDING	30	328405.97
N94	PAIN OTH COND ASSOC WITH FEM ORG MEN CYC	83	998921.34
N95	MENOPAUSAL AND OTH PERIMENOPAUSAL DISORD	154	1814169.42
O03	SPONTANEOUS ABORTION	41	500272.28
O80	ENCOUNT FULL-TERM UNCOMPLICATED DELIVERY	71	793066.64
R00	ABNORMALITIES OF HEART BEAT	209	2272788.88
R01	CARDIAC MURMURS AND OTHER CARDIAC SOUNDS	119	1264749.35
R03	ABNORMAL BLOOD-PRESS READ, W/O DIAGNOS	62	586323.57
R04	HEMORRHAGE FROM RESPIRATORY PASSAGES	58	568182.93
R05	COUGH	487	5526446.45
R06	ABNORMALITIES OF BREATHING	353	3655201.49
R07	PAIN IN THROAT AND CHEST	325	3343498.34
R09	OTH SYMP AND SIGNS INVOLV CIRC RESP SYS	160	1764821.61
R10	ABDOMINAL AND PELVIC PAIN	409	4275633.54
R11	NAUSEA AND VOMITING	413	4364848.99

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
R12	HEARTBURN	232	2412255.19
R13	APHAGIA AND DYSPHAGIA	35	409700.57
R14	FLATULENCE AND RELATED CONDITIONS	30	276747.98
R17	UNSPECIFIED JAUNDICE	21	350180.77
R19	OTH SYMP AND SIGNS DIGEST SYST AND ABDOM	146	1388726.75
R20	DISTURBANCES OF SKIN SENSATION	84	857869.43
R21	RASH AND OTHER NONSPECIFIC SKIN ERUPTION	465	5090972.79
R22	LOC SWELL, MASS AND LUMP SKIN SUBCU TISS	137	1667491.72
R25	ABNORMAL INVOLUNTARY MOVEMENTS	171	1884700.54
R26	ABNORMALITIES OF GAIT AND MOBILITY	97	1035992.21
R29	OTH SYM SIGNS INVOLV NERV MUSCULOSK SYST	26	205322.82
R31	HEMATURIA	51	568701.83
R32	UNSPECIFIED URINARY INCONTINENCE	177	1769250.64
R33	RETENTION OF URINE	32	355597.90
R35	POLYURIA	56	670222.02
R39	OTH UNSP SYMP SIGNS INVOLV GENITOUR SYST	75	754358.90
R41	OTH SYMP SIGNS INVOLV COG FUNC AND AWARE	145	1452545.83
R42	DIZZINESS AND GIDDINESS	327	3225344.21
R45	SYMPT AND SIGNS INVOLV EMOTIONAL STATE	56	523496.15
R47	SPEECH DISTURBANCES, NEC	67	608466.56
R50	FEVER OF OTHER AND UNKNOWN ORIGIN	314	3131381.86
R51	HEADACHE	334	3242967.43
R52	PAIN, UNSPECIFIED	663	6360285.93
R53	MALAISE AND FATIGUE	161	1595009.98
R54	AGE-RELATED PHYSICAL DEBILITY	65	561916.78
R55	SYNCOPE AND COLLAPSE	68	855886.72
R56	CONVULSIONS, NOT ELSEWHERE CLASSIFIED	189	1754595.82
R58	HEMORRHAGE, NOT ELSEWHERE CLASSIFIED	52	568197.17
R59	ENLARGED LYMPH NODES	40	439864.46
R60	EDEMA, NOT ELSEWHERE CLASSIFIED	401	3912457.43
R62	LACK EXPECT NORM PHYS DEVEL CHILD ADULT	25	255131.50
R63	SYMPT AND SIGN CONCERN FOOD FLUID INTAKE	159	1651326.74
R68	OTHER GENERAL SYMPTOMS AND SIGNS	54	641038.47
R69	ILLNESS, UNSPECIFIED	30	338460.59
R73	ELEVATED BLOOD GLUCOSE LEVEL	195	2003248.20
R79	OTH ABNORMAL FINDINGS OF BLOOD CHEMISTRY	185	1754687.91
R87	ABNORM FIND SPECIMEN FEMALE GENITAL ORGS	34	484413.88
R91	ABNORM FIND DIAGNOSTIC IMAGING OF LUNG	52	535708.82
R92	ABNORM INCONCLUS FIND DIAGN IMAG BREAST	43	489578.95
R94	ABNORMAL RESULTS OF FUNCTION STUDIES	24	312080.21
R97	ABNORMAL TUMOR MARKERS	27	328791.66
S00	SUPERFICIAL INJURY OF HEAD	27	287523.88
S01	OPEN WOUND OF HEAD	80	859964.72
S02	FRACTURE OF SKULL AND FACIAL BONES	42	398190.54
S05	INJURY OF EYE AND ORBIT	64	670817.56
S06	INTRACRANIAL INJURY	92	1014720.55
S09	OTHER AND UNSPECIFIED INJURIES OF HEAD	88	999745.21
S13	DISLOCAT SPRAIN JOINT LIGAMENT NECK LEV	34	420758.21
S19	OTH SPEC AND UNSPEC INJURIES OF NECK	27	319108.57
S20	SUPERFICIAL INJURY OF THORAX	20	243993.08
S22	FRACTURE RIB(S), STERNUM THORACIC SPINE	54	613720.09
S32	FRACTURE OF LUMBAR SPINE AND PELVIS	46	417188.05
S39	OTH UNS INJUR ABD/LOW BACK/PEL/EXT GENIT	156	1757890.67
S42	FRACTURE OF SHOULDER AND UPPER ARM	90	1057440.91
S43	DISLOC SPRAIN JOINT LIG SHOULDER GIRDLE	26	365931.39
S46	INJ MUSCL/FASCIA/TENDN SHOULDER/UPPR ARM	55	662581.08
S49	OTH AND UNSPEC INJ SHOULDER AND UPR ARM	72	874167.25
S61	OPEN WOUND OF WRIST, HAND AND FINGERS	111	1280556.93
S62	FRACTURE AT WRIST AND HAND LEVEL	147	1544019.38
S63	DISLOCN/SPRAIN JOINTS/LIGAMTS WRIST/HAND	47	469815.91
S69	OTH/UNSPEC INJ WRIST, HAND, FINGER(S)	68	647828.65
S72	FRACTURE OF FEMUR	33	409396.45
S73	DISLOCAT SPRAIN JOINT AND LIGAMENTS HIP	21	242759.09
S76	MUSCL/FASCIA/TENDN INJ HIP AND THIGH LVL	21	250497.83
S80	SUPERFICIAL INJURY OF KNEE AND LOWER LEG	24	278643.31
S81	OPEN WOUND OF KNEE AND LOWER LEG	32	281663.47
S82	FRACTURE OF LOWER LEG, INCLUDING ANKLE	95	973144.65
S83	DISLOCAT SPRAIN JOINTS LIGAMENTS KNEE	109	1331978.70
S86	INJ OF MUSCLE, FASCIA, TENDON LOWER LEG	36	322084.74
S89	OTH AND UNSPEC INJURIES OF LOWER LEG	118	1292980.45

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
S90	SUPERFICIAL INJURY ANKLE, FOOT AND TOES	33	317318.90
S91	OPEN WOUND OF ANKLE, FOOT AND TOES	43	456032.94
S92	FRACTURE OF FOOT AND TOE, EXCEPT ANKLE	116	1404114.45
S93	DISLOC SPRAIN JOINT LIG ANKLE, FOOT TOE	126	1453820.23
S99	OTH AND UNSPEC INJUR OF ANKLE AND FOOT	59	706597.14
T07	UNSPECIFIED MULTIPLE INJURIES	23	300740.84
T14	INJURY OF UNSPECIFIED BODY REGION	466	5172875.10
T15	FOREIGN BODY ON EXTERNAL EYE	23	224347.80
T62	TOX EFF OTH NOXIOUS SUBS EATEN AS FOOD	27	305944.61
T63	TOX CONTACT W/ VENOMOUS ANIMALS/PLANTS	105	1118625.74
T78	ADVERSE EFFECTS, NEC	1530	15666741.00
T81	COMPLICATIONS OF PROCEDURES, NEC	25	235945.31
T88	OTH COMPLICNS OF SURG AND MED CARE, NEC	54	570535.68
Z00	GEN EXAM W/O COMP, SUSPEC OR REPORT DIAG	325	3534290.15
Z01	SPEC EXAM W/O COMPLAINT/SUSP/REP DIAGNOS	233	2669313.12
Z02	ENCOUNTER FOR ADMINISTRATIVE EXAMINATION	28	279268.97
Z04	EXAM AND OBSERVATION FOR OTHER REASONS	90	927353.69
Z09	F/U EXAM AFT TREAT COND OTH THAN MAL NEO	79	868763.17
Z11	SCREENING INFECTIOUS PARASITIC DISEASE	46	635951.08
Z12	SCREENING FOR MALIGNANT NEOPLASMS	297	3299219.37
Z13	SCREENING FOR OTH DISEASES AND DISORDERS	873	9135719.14
Z21	ASYMPTOMATIC HIV INFECTION STATUS	43	415949.74
Z23	ENCOUNTER FOR IMMUNIZATION	127	1527617.45
Z29	ENCOUNTER FOR OTH PROPHYLACTIC MEASURES	115	1225198.93
Z30	ENCOUNTER FOR CONTRACEPTIVE MANAGEMENT	445	5775507.44
Z31	ENCOUNTER FOR PROCREATIVE MANAGEMENT	38	531382.31
Z34	ENCOUNTER FOR SUPERVISION OF NORMAL PREG	424	4708707.80
Z38	LIVE INFANTS PLACE BIRTH TYPE OF DELIVER	54	562389.53
Z39	MATERNAL POSTPARTUM CARE AND EXAMINATION	36	416948.05
Z41	PROCED PURP OTH THAN REMEDY HEALTH STATE	21	234551.52
Z45	ADJUST AND MANAGE IMPLANTED DEVICE	65	657215.22
Z46	FITTING AND ADJUSTMENT OF OTHER DEVICES	57	560477.88
Z47	ORTHOPEDIC AFTERCARE	48	562378.82
Z48	OTHER POSTPROCEDURAL AFTERCARE	138	1533288.72
Z51	ENCOUNTER FOR OTHER AFTERCARE	143	1357542.77
Z63	OTH PROB PRIM SUPP GRP, INCLUD FAM CIRC	59	771223.37
Z71	OTH COUNSELING AND MEDICAL ADVICE, NEC	264	2921649.88
Z72	PROBLEMS RELATED TO LIFESTYLE	20	199446.34
Z73	PROBS REL TO LIFE MANAGEMENT DIFFICULTY	43	524777.01
Z74	PROBS REL TO CARE PROVIDER DEPENDENCY	31	288573.56
Z76	PERSON ENCOUNT HEALTH SERVIC OTH CIRCUM	471	4937751.02
Z79	LONG TERM (CURRENT) DRUG THERAPY	415	4601726.59
Z86	PERSONAL HISTORY CERTAIN OTHER DISEASES	20	198232.10
Z87	PERSONAL HISTORY OTH DISEASES CONDITIONS	33	406851.44
Z89	ACQUIRED ABSENCE OF LIMB	22	195777.02
Z90	ACQUIRED ABSENCE OF ORGANS, NEC	52	645194.33
Z91	PERSONAL RISK FACTORS, NEC	76	899966.79
Z94	TRANSPLANTED ORGAN AND TISSUE STATUS	43	509386.08
Z95	PRESENCE CARD AND VASC IMPLANTS GRAFTS	101	1084873.98
Z96	PRESENCE OF OTHER FUNCTIONAL IMPLANTS	265	2724840.57
Z97	PRESENCE OF OTHER DEVICES	65	667033.70
Z98	OTHER POSTPROCEDURAL STATES	36	375825.16
Z99	DEPEND ENABLING MACHINE AND DEVICE, NEC	36	305790.90
		91970	977173757.06

Table 2  
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCSR COMBINATION

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
-15	CANNOT BE COMPUTED	-1	INAPPLICABLE	-1	INAPPLICABLE	890	9549796.61
BLD000	DISEASES OF BLOOD AND DISORDERS INVOLVING IMMUNE MECHANISM	-1	INAPPLICABLE	-1	INAPPLICABLE	38	380251.14
BLD000	DISEASES OF BLOOD AND DISORDERS INVOLVING IMMUNE MECHANISM	CIR000	DISEASES OF THE CIRCULATORY SYSTEM	-1	INAPPLICABLE	2	15398.67
BLD000	DISEASES OF BLOOD AND DISORDERS INVOLVING IMMUNE MECHANISM	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	1	5633.34
BLD003	APLASTIC ANEMIA	-1	INAPPLICABLE	-1	INAPPLICABLE	229	2425671.80
BLD006	COAGULATION AND HEMORRHAGIC DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	63	629186.09
BLD008	IMMUNITY DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	44	431161.78
BLD010	OTHER SPECIFIED AND UNSPECIFIED HEMATOLOGIC CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	38	441110.11
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	137	1310311.99
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	DIG000	DISEASES OF THE DIGESTIVE SYSTEM	-1	INAPPLICABLE	3	57111.07
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	FAC000	FACTORS INFLUENCING HEALTH STATUS & CONTACT W/ HEALTH SERV	-1	INAPPLICABLE	21	225210.31
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	GEN000	DISEASES OF THE GENITOURINARY SYSTEM	-1	INAPPLICABLE	2	16107.84
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	2	25874.39
CIR003	NONRHEUMATIC AND UNSPECIFIED VALVE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	64	689315.96
CIR004	ENDOCARDITIS AND ENDOCARDIAL DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	84	874091.50
CIR007	ESSENTIAL HYPERTENSION	-1	INAPPLICABLE	-1	INAPPLICABLE	6216	62579580.97
CIR009	ACUTE MYOCARDIAL INFARCTION	-1	INAPPLICABLE	-1	INAPPLICABLE	507	5065727.49
CIR011	CORONARY ATHEROSCLEROSIS AND OTHER HEART DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	994	9924742.67
CIR011	CORONARY ATHEROSCLEROSIS AND OTHER HEART DISEASE	FAC009	IMPLANT, DEVICE OR GRAFT RELATED ENCOUNTER	-1	INAPPLICABLE	42	448166.82
CIR012	NONSPECIFIC CHEST PAIN	-1	INAPPLICABLE	-1	INAPPLICABLE	290	2968351.66
CIR013	ACUTE PULMONARY EMBOLISM	-1	INAPPLICABLE	-1	INAPPLICABLE	22	245152.04
CIR015	OTHER AND ILL-DEFINED HEART DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	317	3105141.02
CIR016	CONDUCTION DISORDERS	FAC009	IMPLANT, DEVICE OR GRAFT RELATED ENCOUNTER	-1	INAPPLICABLE	96	1024229.77
CIR017	CARDIAC DYSRHYTHMIAS	-1	INAPPLICABLE	-1	INAPPLICABLE	659	7196188.29
CIR019	HEART FAILURE	-1	INAPPLICABLE	-1	INAPPLICABLE	210	2057589.62
CIR020	CEREBRAL INFARCTION	-1	INAPPLICABLE	-1	INAPPLICABLE	64	681776.42
CIR026	PERIPHERAL AND VISCERAL VASCULAR DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	77	798816.65
CIR029	AORTIC; PERIPHERAL; AND VISCERAL ARTERY ANEURYSMS	-1	INAPPLICABLE	-1	INAPPLICABLE	72	676336.10
CIR030	AORTIC AND PERIPHERAL ARTERIAL EMBOLISM OR THROMBOSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	265	2635852.44
CIR032	OTHER SPECIFIED AND UNSPECIFIED CIRCULATORY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	99	943529.23
CIR033	ACUTE PHLEBITIS; THROMBOPHLEBITIS AND THROMBOEMBOLISM	-1	INAPPLICABLE	-1	INAPPLICABLE	25	227302.28
CIR035	VARICOSE VEINS OF LOWER EXTREMITY	-1	INAPPLICABLE	-1	INAPPLICABLE	48	522381.29

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
CIR039	OTHER SPECIFIED DISEASES OF VEINS AND LYMPHATICS	-1	INAPPLICABLE	-1	INAPPLICABLE	70	772369.92
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	42	391660.62
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	16	149770.33
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	9	92681.82
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	-1	INAPPLICABLE	11	126832.55
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	NEO000	NEOPLASMS	-1	INAPPLICABLE	3	49638.16
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	1	13459.45
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	7	90899.99
DIG001	INTESTINAL INFECTION	INF003	BACTERIAL INFECTIONS	-1	INAPPLICABLE	33	350189.19
DIG001	INTESTINAL INFECTION	INF008	VIRAL INFECTION	-1	INAPPLICABLE	145	1491283.09
DIG001	INTESTINAL INFECTION	INF009	PARASITIC, OTHER SPECIFIED AND UNSPECIFIED INFECTIONS	-1	INAPPLICABLE	30	324217.39
DIG002	DISORDERS OF TEETH AND GINGIVA	-1	INAPPLICABLE	-1	INAPPLICABLE	597	6779259.91
DIG003	DISEASES OF MOUTH; EXCLUDING DENTAL	-1	INAPPLICABLE	-1	INAPPLICABLE	67	685269.99
DIG003	DISEASES OF MOUTH; EXCLUDING DENTAL	INF008	VIRAL INFECTION	-1	INAPPLICABLE	40	481364.08
DIG004	ESOPHAGEAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1821	18894754.26
DIG005	GASTRODUODENAL ULCER	-1	INAPPLICABLE	-1	INAPPLICABLE	37	329279.08
DIG007	GASTRITIS AND DUODENITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	103	810272.40
DIG008	OTH SPECIFIED & UNSPECIFIED DISORDERS OF STOMACH & DUODENUM	-1	INAPPLICABLE	-1	INAPPLICABLE	432	4494567.45
DIG009	APPENDICITIS AND OTHER APPENDICEAL CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	42	441660.38
DIG010	ABDOMINAL HERNIA	-1	INAPPLICABLE	-1	INAPPLICABLE	259	2668457.09
DIG011	REGIONAL ENTERITIS AND ULCERATIVE COLITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	75	845007.94
DIG012	INTESTINAL OBSTRUCTION AND ILEUS	-1	INAPPLICABLE	-1	INAPPLICABLE	40	490060.49
DIG013	DIVERTICULOSIS AND DIVERTICULITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	107	1120782.69
DIG014	HEMORRHOIDS	-1	INAPPLICABLE	-1	INAPPLICABLE	87	1110792.07
DIG015	ANAL AND RECTAL CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	20	239926.49
DIG017	BILIARY TRACT DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	177	1842002.07
DIG019	OTHER SPECIFIED AND UNSPECIFIED LIVER DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	122	1185171.52
DIG020	PANCREATIC DISORDERS (EXCLUDING DIABETES)	-1	INAPPLICABLE	-1	INAPPLICABLE	38	391188.29
DIG021	GASTROINTESTINAL HEMORRHAGE	-1	INAPPLICABLE	-1	INAPPLICABLE	40	402505.39
DIG022	NONINFECTIOUS GASTROENTERITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	78	755278.76
DIG025	OTHER SPECIFIED AND UNSPECIFIED GASTROINTESTINAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	648	6371713.41
EAR001	OTITIS MEDIA	-1	INAPPLICABLE	-1	INAPPLICABLE	802	9228231.17
EAR002	DISEASES OF MIDDLE EAR AND MASTOID (EXCEPT OTITIS MEDIA)	-1	INAPPLICABLE	-1	INAPPLICABLE	45	513171.73
EAR003	DISEASES OF INNER EAR AND RELATED CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	45	432799.02
EAR004	HEARING LOSS	-1	INAPPLICABLE	-1	INAPPLICABLE	301	3122880.29
EAR006	OTHER SPECIFIED AND UNSPECIFIED DISORDERS OF THE EAR	-1	INAPPLICABLE	-1	INAPPLICABLE	344	3802329.55
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	-1	INAPPLICABLE	-1	INAPPLICABLE	54	624123.55



CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	EYE000	DISEASES OF THE EYE AND ADNEXA	-1	INAPPLICABLE	11	104679.83
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	GEN000	DISEASES OF THE GENITOURINARY SYSTEM	-1	INAPPLICABLE	6	71268.03
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	8	58990.65
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	6	71056.27
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	SKN000	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-1	INAPPLICABLE	9	107877.70
END001	THYROID DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	2025	22285692.21
END002	DIABETES MELLITUS WITHOUT COMPLICATION	END005	DIABETES MELLITUS, TYPE 2	-1	INAPPLICABLE	2657	25512584.39
END003	DIABETES MELLITUS WITH COMPLICATION	END005	DIABETES MELLITUS, TYPE 2	NVS020	OTHER SPECIFIED NERVOUS SYSTEM DISORDERS	23	186556.28
END007	NUTRITIONAL DEFICIENCIES	-1	INAPPLICABLE	-1	INAPPLICABLE	540	5326836.91
END009	OBESITY	-1	INAPPLICABLE	-1	INAPPLICABLE	96	1196411.91
END010	DISORDERS OF LIPID METABOLISM	-1	INAPPLICABLE	-1	INAPPLICABLE	4487	46347206.93
END011	FLUID AND ELECTROLYTE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	391	3953480.83
END013	PITUITARY DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	20	199715.74
END015	OTHER SPECIFIED AND UNSPECIFIED ENDOCRINE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	264	2989507.13
END016	OTH SPECIFIED & UNSPEC NUTRITIONAL AND METABOLIC DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	109	1123457.25
EYE000	DISEASES OF THE EYE AND ADNEXA	-1	INAPPLICABLE	-1	INAPPLICABLE	52	565667.27
EYE000	DISEASES OF THE EYE AND ADNEXA	INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	11	132303.41
EYE000	DISEASES OF THE EYE AND ADNEXA	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	4	38623.46
EYE001	CORNEA AND EXTERNAL DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	256	3178600.07
EYE001	CORNEA AND EXTERNAL DISEASE	EYE008	OCULOFACIAL PLASTICS AND ORBITAL CONDITIONS	-1	INAPPLICABLE	21	257194.36
EYE002	CATARACT AND OTHER LENS DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	688	6892276.79
EYE003	GLAUCOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	517	5044616.27
EYE004	UVEITIS AND OCULAR INFLAMMATION	-1	INAPPLICABLE	-1	INAPPLICABLE	119	1249442.89
EYE005	RETINAL AND VITREOUS CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	383	4025983.47
EYE008	OCULOFACIAL PLASTICS AND ORBITAL CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	289	3394449.09
EYE009	REFRACTIVE ERROR	-1	INAPPLICABLE	-1	INAPPLICABLE	513	6716181.35
EYE010	BLINDNESS AND VISION DEFECTS	-1	INAPPLICABLE	-1	INAPPLICABLE	320	3635093.49
EYE012	OTHER SPECIFIED EYE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	272	2748346.15
FAC000	FACTORS INFLUENCING HEALTH STATUS & CONTACT W/ HEALTH SERV	-1	INAPPLICABLE	-1	INAPPLICABLE	23	242144.65
FAC000	FACTORS INFLUENCING HEALTH STATUS & CONTACT W/ HEALTH SERV	PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	1	10424.05
FAC001	ENCOUNTER FOR ADMINISTRATIVE PURPOSES	-1	INAPPLICABLE	-1	INAPPLICABLE	28	279268.97
FAC003	ENCTR FOR OBS, EXAM COND R/O, EXCL INFECT DIS, NPL, MENT D/	-1	INAPPLICABLE	-1	INAPPLICABLE	972	10145436.34
FAC004	ENCOUNTER FOR PROPHYLACTIC OR OTHER PROCEDURES	-1	INAPPLICABLE	-1	INAPPLICABLE	24	258204.72

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
FAC005	ENCOUNTER FOR PROPHYLACTIC MEASURES (EXCLUDES IMMUNIZATION)	-1	INAPPLICABLE	-1	INAPPLICABLE	115	1225198.93
FAC008	NEOPLASM-RELATED ENCOUNTERS	-1	INAPPLICABLE	-1	INAPPLICABLE	378	4217321.95
FAC009	IMPLANT, DEVICE OR GRAFT RELATED ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	473	4805613.39
FAC010	OTHER AFTERCARE ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	339	3522964.32
FAC012	OTHER SPECIFIED ENCOUNTERS AND COUNSELING	-1	INAPPLICABLE	-1	INAPPLICABLE	735	7859400.91
FAC013	CONTRACEPTIVE AND PROCREATIVE MANAGEMENT	-1	INAPPLICABLE	-1	INAPPLICABLE	493	6421001.12
FAC014	MEDICAL EXAMINATION/EVALUATION	-1	INAPPLICABLE	-1	INAPPLICABLE	558	6203603.28
FAC016	EXPOSURE, ENCTR, SCREENING OR CONTACT W/ INFECTIOUS DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	180	2225521.60
FAC019	SOCIOECONOMIC/PSYCHOSOCIAL FACTORS	-1	INAPPLICABLE	-1	INAPPLICABLE	74	925288.23
FAC020	LIFESTYLE/LIFE MANAGEMENT FACTORS	-1	INAPPLICABLE	-1	INAPPLICABLE	66	735303.88
FAC021	PERSONAL/FAMILY HISTORY OF DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	79	886493.16
FAC022	ACQUIRED ABSENCE OF LIMB OR ORGAN	-1	INAPPLICABLE	-1	INAPPLICABLE	74	840971.35
FAC023	ORGAN TRANSPLANT STATUS	-1	INAPPLICABLE	-1	INAPPLICABLE	43	509386.08
FAC025	OTHER SPECIFIED STATUS	-1	INAPPLICABLE	-1	INAPPLICABLE	505	5337304.96
GEN000	DISEASES OF THE GENITOURINARY SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	37	406587.38
GEN000	DISEASES OF THE GENITOURINARY SYSTEM	INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	13	160792.76
GEN001	NEPHRITIS; NEPHROSIS; RENAL SCLEROSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	84	860783.34
GEN002	ACUTE AND UNSPECIFIED RENAL FAILURE	-1	INAPPLICABLE	-1	INAPPLICABLE	76	786737.64
GEN003	CHRONIC KIDNEY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	60	614501.26
GEN004	URINARY TRACT INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	807	8550716.39
GEN005	CALCULUS OF URINARY TRACT	-1	INAPPLICABLE	-1	INAPPLICABLE	248	2706714.63
GEN006	OTH SPECIFIED AND UNSPECIFIED DISEASES OF KIDNEY AND URETER	-1	INAPPLICABLE	-1	INAPPLICABLE	311	2887406.15
GEN007	OTH SPECIFIED & UNSPECIFIED DISEASES OF BLADDER AND URETHRA	-1	INAPPLICABLE	-1	INAPPLICABLE	226	2300007.77
GEN008	URINARY INCONTINENCE	-1	INAPPLICABLE	-1	INAPPLICABLE	190	1900592.55
GEN009	HEMATURIA	-1	INAPPLICABLE	-1	INAPPLICABLE	51	568701.83
GEN012	HYPERPLASIA OF PROSTATE	-1	INAPPLICABLE	-1	INAPPLICABLE	248	2666467.61
GEN013	INFLAMMATORY CONDITIONS OF MALE GENITAL ORGANS	-1	INAPPLICABLE	-1	INAPPLICABLE	25	308682.36
GEN014	ERECTILE DYSFUNCTION	-1	INAPPLICABLE	-1	INAPPLICABLE	53	638043.63
GEN016	OTHER SPECIFIED MALE GENITAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	311	3438317.67
GEN017	NONMALIGNANT BREAST CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	166	1847566.35
GEN018	INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-1	INAPPLICABLE	-1	INAPPLICABLE	51	661199.87
GEN019	ENDOMETRIOSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	52	678475.57
GEN020	PROLAPSE OF FEMALE GENITAL ORGANS	-1	INAPPLICABLE	-1	INAPPLICABLE	29	287185.27
GEN021	MENSTRUAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	159	1975408.99
GEN022	BENIGN OVARIAN CYST	-1	INAPPLICABLE	-1	INAPPLICABLE	53	596196.59
GEN023	MENOPAUSAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	252	3073781.08
GEN025	OTHER SPECIFIED FEMALE GENITAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	198	2207535.33
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	-1	INAPPLICABLE	19	174842.56
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	1	9657.87

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	-1	INAPPLICABLE	12	145725.78
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	8	55286.69
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	RSP000	DISEASES OF THE RESPIRATORY SYSTEM	-1	INAPPLICABLE	43	479389.51
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	SKN000	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-1	INAPPLICABLE	2	15844.82
INF002	SEPTICEMIA	INF003	BACTERIAL INFECTIONS	-1	INAPPLICABLE	30	363221.50
INF003	BACTERIAL INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	208	2416725.96
INF003	BACTERIAL INFECTIONS	RSP006	OTHER SPECIFIED UPPER RESPIRATORY INFECTIONS	-1	INAPPLICABLE	417	5202054.10
INF004	FUNGAL INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	438	5140229.84
INF006	HIV INFECTION	-1	INAPPLICABLE	-1	INAPPLICABLE	50	495120.03
INF007	HEPATITIS	INF008	VIRAL INFECTION	-1	INAPPLICABLE	37	280390.35
INF008	VIRAL INFECTION	-1	INAPPLICABLE	-1	INAPPLICABLE	532	6343244.69
INF008	VIRAL INFECTION	SKN007	OTHER SPECIFIED AND UNSPECIFIED SKIN DISORDERS	-1	INAPPLICABLE	80	1107469.25
INF009	PARASITIC, OTHER SPECIFIED AND UNSPECIFIED INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	224	2442080.99
INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	-1	INAPPLICABLE	123	1312978.81
INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	MBD000	MENTAL, BEHAVIORAL AND NEURODEVELOPMENTAL DISORDERS	-1	INAPPLICABLE	1	5603.83
INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	3	39618.75
INJ027	OTHER UNSPECIFIED INJURY	-1	INAPPLICABLE	-1	INAPPLICABLE	490	5475283.60
INJ031	ALLERGIC REACTIONS	SKN002	OTHER SPECIFIED INFLAMMATORY CONDITION OF SKIN	-1	INAPPLICABLE	75	837376.35
INJ031	ALLERGIC REACTIONS	SKN005	CONTACT DERMATITIS	-1	INAPPLICABLE	106	1333467.30
INJ031	ALLERGIC REACTIONS	SKN007	OTHER SPECIFIED AND UNSPECIFIED SKIN DISORDERS	-1	INAPPLICABLE	306	3173382.33
INJ038	FRACTURE OF HEAD AND NECK, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	42	398190.54
INJ039	FRACTURE OF THE SPINE AND BACK, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	55	475350.38
INJ040	FRACTURE OF TORSO, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	55	628694.58
INJ041	FRACTURE OF THE UPPER LIMB, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	243	2688788.82
INJ042	FRACTURE OF LOWER LIMB (EXCEPT HIP), SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	220	2451905.04
INJ043	FRACTURE OF THE NECK OF THE FEMUR (HIP), SUBSEQUENT ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	33	409396.45
INJ044	DISLOCATIONS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	74	818919.08
INJ045	TRAUMATIC BRAIN INJURY (TBI); CONCUSSION, SUBSEQUENT ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	92	1014720.55
INJ048	OPEN WOUNDS OF HEAD AND NECK, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	96	1061396.93
INJ049	OPEN WOUNDS TO LIMBS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	206	2229480.17
INJ054	SUPERFICIAL INJURY; CONTUSION, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	213	2300337.42
INJ056	BURNS AND CORROSION, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	25	277672.38

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
INJ057	EFFECT OF FOREIGN BODY ENTERING OPENING, SUBSEQUENT ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	46	472659.45
INJ058	EFFECT OF OTHER EXTERNAL CAUSES, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	26	307902.57
INJ060	TOXIC EFFECTS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	145	1534118.55
INJ061	SPRAINS AND STRAINS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	512	5778552.27
INJ062	INJURY TO NERVES, MUSCLES AND TENDONS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	98	1170285.21
INJ064	OTHER UNSPECIFIED INJURIES, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	588	6507827.96
INJ067	ALLERGIC REACTIONS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	1530	15666741.00
INJ072	COMPLC OF OTHER SURGICAL/MEDICAL CARE, INJURY, SUBSEQ ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	98	943467.67
MAL000	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORM	-1	INAPPLICABLE	-1	INAPPLICABLE	67	744595.76
MAL001	CARDIAC AND CIRCULATORY CONGENITAL ANOMALIES	-1	INAPPLICABLE	-1	INAPPLICABLE	30	332116.85
MAL008	MUSCULOSKELETAL CONGENITAL CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	45	484440.54
MBD000	MENTAL, BEHAVIORAL AND NEURODEVELOPMENTAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	71	647010.94
MBD001	SCHIZOPHRENIA SPECTRUM AND OTHER PSYCHOTIC DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	107	958368.93
MBD002	DEPRESSIVE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1987	20658034.15
MBD003	BIPOLAR AND RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	297	2889855.06
MBD004	OTHER SPECIFIED AND UNSPECIFIED MOOD DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	134	1634068.44
MBD005	ANXIETY AND FEAR-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	2310	25283584.42
MBD006	OBSESSIVE-COMPULSIVE AND RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	56	618355.20
MBD007	TRAUMA- AND STRESSOR-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	525	5369373.71
MBD008	DISRUPTIVE, IMPULSE-CONTROL AND CONDUCT DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	85	849449.74
MBD009	PERSONALITY DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	29	244782.81
MBD013	MISCELLANEOUS MENTAL AND BEHAVIORAL DISORDERS/CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	116	1234008.73
MBD014	NEURODEVELOPMENTAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1058	11740533.29
MBD017	ALCOHOL-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	46	501051.32
MBD018	OPIOID-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	20	186505.46
MBD025	OTHER SPECIFIED SUBSTANCE-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	48	501116.53
MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	-1	INAPPLICABLE	-1	INAPPLICABLE	54	524540.60
MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	SKN000	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-1	INAPPLICABLE	2	15257.67
MUS003	RHEUMATOID ARTHRITIS AND RELATED DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	461	4438995.35
MUS005	OTHER SPECIFIED CHRONIC ARTHROPATHY	SKN002	OTHER SPECIFIED INFLAMMATORY CONDITION OF SKIN	-1	INAPPLICABLE	20	190759.35
MUS006	OSTEOARTHRITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	1980	19698648.73
MUS007	OTHER SPECIFIED JOINT DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	603	6877344.85

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
MUS009	TENDON AND SYNOVIAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	340	3817324.51
MUS010	MUSCULOSKELETAL PAIN	-1	INAPPLICABLE	-1	INAPPLICABLE	3731	39626867.80
MUS011	SPONDYLOPATHIES/SPONDYLOARTHO- PATHY (INCLUDING INFECTIVE)	-1	INAPPLICABLE	-1	INAPPLICABLE	1397	15340398.22
MUS012	BIOMECHANICAL LESIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	31	326245.31
MUS013	OSTEOPOROSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	181	1857122.41
MUS017	STRESS FRACTURE, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	22	247544.08
MUS021	ACQUIRED FOOT DEFORMITIES	-1	INAPPLICABLE	-1	INAPPLICABLE	98	1146300.32
MUS022	SCOLIOSIS AND OTHER POSTURAL DORSOPATHIC DEFORMITIES	-1	INAPPLICABLE	-1	INAPPLICABLE	110	1262756.93
MUS024	SYSTEMIC LUPUS ERYTHEMATOSUS AND CONNECTIVE TISSUE DISORDER	-1	INAPPLICABLE	-1	INAPPLICABLE	135	1537294.81
MUS025	OTHER SPECIFIED CONNECTIVE TISSUE DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	903	9374179.87
MUS026	MUSCLE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	293	3122454.69
MUS028	OTHER SPECIFIED BONE DISEASE AND MUSCULOSKELETAL DEFORMITIE	-1	INAPPLICABLE	-1	INAPPLICABLE	164	1860779.60
MUS029	DISORDERS OF JAW	-1	INAPPLICABLE	-1	INAPPLICABLE	27	290715.71
MUS033	GOUT	-1	INAPPLICABLE	-1	INAPPLICABLE	378	3863244.42
NEO000	NEOPLASMS	-1	INAPPLICABLE	-1	INAPPLICABLE	212	2252779.49
NEO000	NEOPLASMS	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	3	41123.24
NEO015	GASTROINTESTINAL CANCERS - COLORECTAL	-1	INAPPLICABLE	-1	INAPPLICABLE	64	595945.12
NEO022	RESPIRATORY CANCERS	-1	INAPPLICABLE	-1	INAPPLICABLE	64	612266.21
NEO025	SKIN CANCERS - MELANOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	119	1362621.92
NEO026	SKIN CANCERS - BASAL CELL CARCINOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	56	642541.40
NEO027	SKIN CANCERS - SQUAMOUS CELL CARCINOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	23	228995.22
NEO028	SKIN CANCERS - ALL OTHER TYPES	-1	INAPPLICABLE	-1	INAPPLICABLE	428	4915136.84
NEO030	BREAST CANCER - ALL OTHER TYPES	-1	INAPPLICABLE	-1	INAPPLICABLE	229	2462761.18
NEO032	FEMALE REPRODUCTIVE SYSTEM CANCERS - CERVIX	-1	INAPPLICABLE	-1	INAPPLICABLE	21	219153.08
NEO039	MALE REPRODUCTIVE SYSTEM CANCERS - PROSTATE	-1	INAPPLICABLE	-1	INAPPLICABLE	167	1558316.85
NEO043	URINARY SYSTEM CANCERS - BLADDER	-1	INAPPLICABLE	-1	INAPPLICABLE	47	450962.41
NEO045	URINARY SYSTEM CANCERS - KIDNEY	-1	INAPPLICABLE	-1	INAPPLICABLE	40	506227.21
NEO050	ENDOCRINE SYSTEM CANCERS - THYROID	-1	INAPPLICABLE	-1	INAPPLICABLE	62	673040.71
NEO058	NON-HODGKIN LYMPHOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	41	404636.69
NEO064	LEUKEMIA - ALL OTHER TYPES	-1	INAPPLICABLE	-1	INAPPLICABLE	44	404609.12
NEO071	MALIGNANT NEOPLASM, UNSPECIFIED	-1	INAPPLICABLE	-1	INAPPLICABLE	27	283016.67
NEO072	NEOPLASMS OF UNSPECIFIED NATURE OR UNCERTAIN BEHAVIOR	-1	INAPPLICABLE	-1	INAPPLICABLE	245	2648238.84
NEO073	BENIGN NEOPLASMS	-1	INAPPLICABLE	-1	INAPPLICABLE	313	3755370.15
NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	64	632139.67
NVS000	DISEASES OF THE NERVOUS SYSTEM	SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	6	69092.34
NVS004	PARKINSON'S DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	66	763443.26
NVS005	MULTIPLE SCLEROSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	65	824204.15
NVS006	OTH SPECIFIED HEREDITARY & DEGENERATIVE NERVOUS SYSTEM COND	-1	INAPPLICABLE	-1	INAPPLICABLE	43	386787.49
NVS006	OTH SPECIFIED HEREDITARY & DEGENERATIVE NERVOUS SYSTEM COND	NVS016	SLEEP WAKE DISORDERS	-1	INAPPLICABLE	185	1977418.61

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
NVS007	CEREBRAL PALSY	-1	INAPPLICABLE	-1	INAPPLICABLE	30	208154.19
NVS009	EPILEPSY; CONVULSIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	300	2788699.14
NVS010	HEADACHE; INCLUDING MIGRAINE	-1	INAPPLICABLE	-1	INAPPLICABLE	544	6263251.94
NVS010	HEADACHE; INCLUDING MIGRAINE	SYM010	NERVOUS SYSTEM SIGNS AND SYMPTOMS	-1	INAPPLICABLE	334	3242967.43
NVS011	NEUROCOGNITIVE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	144	1506117.83
NVS012	TRANSIENT CEREBRAL ISCHEMIA	-1	INAPPLICABLE	-1	INAPPLICABLE	361	3634122.99
NVS015	POLYNEUROPATHIES	-1	INAPPLICABLE	-1	INAPPLICABLE	294	2975204.83
NVS016	SLEEP WAKE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1566	16279272.15
NVS017	NERVE AND NERVE ROOT DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	379	4054094.00
NVS019	NERVOUS SYSTEM PAIN AND PAIN SYNDROMES	-1	INAPPLICABLE	-1	INAPPLICABLE	412	4464475.45
NVS020	OTHER SPECIFIED NERVOUS SYSTEM DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	58	619010.59
PNL000	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-1	INAPPLICABLE	-1	INAPPLICABLE	15	130844.68
PNL001	LIVEBORN	-1	INAPPLICABLE	-1	INAPPLICABLE	54	562389.53
PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	-1	INAPPLICABLE	68	790148.00
PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	5	27497.83
PRG003	SPONTANEOUS ABORTION & COMPLICATIONS OF SPONTANEOUS ABORTIO	-1	INAPPLICABLE	-1	INAPPLICABLE	41	500272.28
PRG023	COMPLICATIONS SPECIFIED DURING CHILDBIRTH	-1	INAPPLICABLE	-1	INAPPLICABLE	21	193486.08
PRG029	UNCOMPLICATED PREGNANCY, DELIVERY OR PUERPERIUM	-1	INAPPLICABLE	-1	INAPPLICABLE	536	5936234.52
RSP000	DISEASES OF THE RESPIRATORY SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	42	462296.47
RSP001	SINUSITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	711	8558033.67
RSP002	PNEUMONIA (EXCEPT THAT CAUSED BY TUBERCULOSIS)	-1	INAPPLICABLE	-1	INAPPLICABLE	420	4707591.68
RSP003	INFLUENZA	-1	INAPPLICABLE	-1	INAPPLICABLE	1218	13486293.00
RSP004	ACUTE AND CHRONIC TONSILLITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	101	1038449.78
RSP005	ACUTE BRONCHITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	527	5804470.72
RSP006	OTHER SPECIFIED UPPER RESPIRATORY INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	1250	14640129.88
RSP007	OTHER SPECIFIED AND UNSPECIFIED UPPER RESPIRATORY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	639	6909513.82
RSP008	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND BRONCHIECTASIS	-1	INAPPLICABLE	-1	INAPPLICABLE	772	7505182.09
RSP009	ASTHMA	-1	INAPPLICABLE	-1	INAPPLICABLE	1912	19717005.78
RSP016	OTHER SPECIFIED AND UNSPECIFIED LOWER RESPIRATORY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	263	2826276.63
SKN000	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-1	INAPPLICABLE	-1	INAPPLICABLE	36	339667.68
SKN001	SKIN AND SUBCUTANEOUS TISSUE INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	391	4115136.80
SKN002	OTHER SPECIFIED INFLAMMATORY CONDITION OF SKIN	-1	INAPPLICABLE	-1	INAPPLICABLE	615	7453709.12
SKN005	CONTACT DERMATITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	43	625296.95
SKN007	OTHER SPECIFIED AND UNSPECIFIED SKIN DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	955	10879170.01
SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	-1	INAPPLICABLE	3	11494.01
SYM001	SYNCOPE	-1	INAPPLICABLE	-1	INAPPLICABLE	68	855886.72
SYM002	FEVER	-1	INAPPLICABLE	-1	INAPPLICABLE	314	3131381.86
SYM004	NAUSEA AND VOMITING	-1	INAPPLICABLE	-1	INAPPLICABLE	413	4364848.99
SYM005	DYSPHAGIA	-1	INAPPLICABLE	-1	INAPPLICABLE	35	409700.57

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt18f
SYM006	ABDOMINAL PAIN & OTHER DIGESTIVE/ABDOMEN SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	863	8943669.46
SYM007	MALAISE AND FATIGUE	-1	INAPPLICABLE	-1	INAPPLICABLE	161	1595009.98
SYM008	SYMPTOMS OF MENTAL AND SUBSTANCE USE CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	56	523496.15
SYM010	NERVOUS SYSTEM SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	409	4248686.40
SYM011	GENITOURINARY SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	243	2596666.81
SYM012	CIRCULATORY SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	517	5630617.42
SYM013	RESPIRATORY SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	1025	11017737.54
SYM014	SKIN/SUBCUTANEOUS SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	696	7787654.04
SYM015	GENERAL SENSATION/PERCEPTION SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	341	3335942.81
SYM016	OTHER GENERAL SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	1596	15773711.08
SYM017	ABNORMAL FINDINGS WITHOUT DIAGNOSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	610	6470225.81
						91970	977173757.0
							6

**Appendix 3**  
**List of Conditions Asked**  
**in Priority Conditions Enumeration Section**



**LIST OF CONDITIONS ASKED IN  
PRIORITY CONDITIONS ENUMERATION SECTION**

Angina/Angina Pectoris  
Arthritis  
Asthma  
Attention Deficit Hyperactivity Disorder (ADHD)/Attention Deficit Disorder (ADD)  
Cancer/Malignancy  
Chronic Bronchitis  
Coronary Heart Disease  
Diabetes/Sugar Diabetes  
Emphysema  
Heart Attack/Myocardial Infarction (MI)  
High Cholesterol  
Hypertension/High Blood Pressure  
Joint Pain  
Other Heart Disease (not coronary heart disease, angina, or heart attack)  
Stroke/Transient Ischemic Attack (TIA)/Mini-stroke