

**MEPS HC-214  
2019 Medical Conditions**

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## A. Data Use Agreement

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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**

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### **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. 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 cannot 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, 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

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### 1.0 General Information

This documentation describes the data contained in MEPS Public Use Release HC-214, which is one in a series of public use data files to be released from the 2019 Medical Expenditure Panel Survey Household Component (MEPS HC). Released as an ASCII file (with related SAS, SPSS, R, and Stata programming statements), and a SAS data set, SAS transport file, Stata data set, and Excel file, 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 2019 MEPS HC. The file contains 28 variables and has a logical record length of 105 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
- Variable-Source Crosswalk
- Appendices
  - 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 2019 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 87,561 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 2019. 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 24 Round 1, Round 2, and Round 3 conditions that were linked to a 2019 event.
- Panel 23 Round 1 - Round 5 condition records linked to a 2019 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 Section D, Variable-Source Crosswalk.

Person-level data (e.g., demographic or health insurance characteristics) from the 2019 MEPS full-year consolidated file (HC-216) 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 2019 MEPS Event Files (HC-213A, and HC-213D through HC-213H) by using the link files provided in HC-213I. (See HC-213I 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:

Value	Definition
-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 or the information could not be ascertained
-15 CANNOT BE COMPUTED	Value cannot be derived from data

The value -15 (CANNOT BE COMPUTED) is assigned to MEPS constructed variables in cases where there is not enough information from the MEPS instrument to calculate the constructed variables. “Not enough information” is often the result of skip patterns in the data or from missing information resulting from MEPS responses of -7 (REFUSED) or -8 (DK). Note that reserved code -8 includes cases where the information from the question was “not ascertained” or where the respondent chose “don’t know”.

## 2.3 Codebook Format

This codebook describes an ASCII data set (although the data are also being provided in an Excel file, a Stata data set, a SAS data set, and a SAS transport file), and provides the following programming identifiers for each variable:

Identifier	Description
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 Section D, 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 ID number consisting of a 2-digit panel number followed by a five-digit random 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 is the combination of the variables DUID and PID. Beginning in 2018, 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. CONDN is the condition number and uniquely identifies each condition reported for an individual. The range on this file for CONDN is 1-54 and the range of total records for any one person on the file is 1-54. A CONDN beginning with “9” reflects a condition that was added during the editing process.

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 Full Year (FY) 18, CONDN is one less byte.

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 23 or Panel 24. 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 Section D 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 2 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 2019**

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 also 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 current year event. Conditions from Rounds 1 and 2 that are not included in the 2019 file may be available in the 2018 Medical Conditions File if the person had a positive person or family weight in 2018.

Note: Priority conditions are generally chronic conditions. Even though a person may not have reported an event in 2019 due to the condition, analysts should consider that the person may still be experiencing the condition. If a Panel 23 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 2019 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 23 records, a condition is current if there is an event linked to a condition in Rounds 3, 4, or 5. For Panel 24 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**

For Panel 23 Rounds 3 and 4 and Panel 24 Rounds 1 and 2, 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. Beginning with Panel 23 Round 5 and Panel 24 Round 3, the medical conditions reported by the Household Component respondent were recorded by the interviewer using a condition pick-list with ICD-10-CM codes

already assigned to conditions in the list. Reported conditions not in the pick-list were recorded 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 when a verbatim text string could not be matched to an ICD-10-CM code through the pick-list. 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 collapsed 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 1 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 2019 Medical Conditions File. The person's age was determined by linking the 2019 Medical Conditions File to the 2018 and 2019 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-213D).

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 2019 MEPS Event Files using the 2019 MEPS Condition-Event Linking file (HC-213I). Because the conditions have been collapsed 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.

Conditions were reported in several sections of the HC questionnaire (see Variable-Source Crosswalk in Section D). Labels for all values of ICD10CDX, as shown in Table 1 of Appendix 1, are provided in the SAS programming statements included in this release (see the H214SU.TXT file).

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

Beginning in FY18, Clinical Classification Software Refined (CCSR) are used alongside ICD-10-CM diagnosis codes to group medical conditions into clinically meaningful categories. For the 2019 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 v2020.3 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 3% 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 1 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 2019 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-213G, HC-213F, HC-213H, HC-213D, HC-213E, and HC-213A). Events associated with conditions include all utilization that occurred between January 1, 2019 and December 31, 2019.

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 (PERWT19F) 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 2019. 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 PERWT19F was developed in several stages. First, person-level weights for Panel 23 and Panel 24 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 2019 composite weight was then formed by multiplying each weight from Panel 23 by the factor .50 and each weight from Panel 24 by the factor .50. 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 23 Weight Development Process**

The person-level weight for an individual in MEPS Panel 23 was developed using the 2018 full year weight as a “base” weight for each survey participant present in 2018. For key, in-scope members who joined an RU sometime in 2019 after being out-of-scope in 2018, the initially assigned person-level weight was the corresponding 2018 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 2019 for key, responding persons in-scope on December 31, 2019. These control figures were derived by projecting forward the population distribution obtained from the March 2019 CPS to reflect the December 31, 2019 estimated population total (estimated based on Census projections for January 1, 2020). 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, 2019 but were in-scope earlier in the year was the person weight after the nonresponse adjustment.

Note that the 2018 full-year weight that was used as the base weight for Panel 23 was derived using the MEPS Round 1 weight and adjusting it further for nonresponse over the remaining data collection rounds in 2018 and raking to the December 2018 population control figures.

It should be noted that, rather than projecting the March 2019 CPS population distribution estimates forward, the standard approach for MEPS has been to scale back from the following year’s CPS estimates. In this case it would have been the March 2020 CPS estimates. However, there was evidence that the onset of the Covid-19 pandemic in March 2020 in the U.S. affected estimates associated with income and education (Rothbaum & Bee, 2020). Since education was planned as one of the variables to be used for raking, it was decided to use the 2019 March CPS data to establish the population estimates for the Full Year (FY) 2019 weights.

### **3.2.2 MEPS Panel 24 Weight Development Process**

The person-level weight for an individual in MEPS Panel 24 was developed using the 2019 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 2019 as well as raking to the same population control figures for December 2019 used for the MEPS Panel 23 weights for key, responding persons in-scope on December 31, 2019. The same six variables employed for Panel 23 raking (educational attainment of the reference person, census region, MSA status, race/ethnicity, sex, and age) were used for Panel 24 raking. Again, the final weight for key, responding persons who were not in-scope on December 31, 2019 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 24 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 2019**

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, 2019 were adjusted for expected undercoverage. Specifically, the weights of those who were in-scope sometime 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 poststratified to an estimate of the number of persons who were residents of Medicare- and Medicaid-certified nursing homes for part of the year (approximately 3-9 months) during 2014. This estimate was developed from data on the Minimum Data Set (MDS) of the Center for Medicare and Medicaid Services (CMS). The weights of persons who died while in-scope were poststratified to corresponding estimates derived using data obtained from the Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), Underlying Cause of Death, 1999-2018 on the [CDC WONDER Online Database](#), released in 2020, the latest available data at the time. 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, 2019 is 323,833,996 (PERWT19F>0 and INSC1231=1). The sum of the person-level weights across all persons assigned a positive person-level weight is 327,396,693.

### **3.2.4 Coverage**

The target population for MEPS in this file is the 2019 U.S. civilian noninstitutionalized population. However, the MEPS sampled households are a subsample of the NHIS households interviewed in 2017 (Panel 23) and 2018 (Panel 24). New households created after the NHIS interviews for the respective panels and consisting exclusively of persons who entered the target population after 2017 (Panel 23) or after 2018 (Panel 24) 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 focused on field procedure changes such as interviewer training 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 starting 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 changes 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 potential 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. In addition, beginning in 2018, MEPS transitioned to CCSR codes, and up to three CCSR codes were assigned to a single condition (see Section 2.5.2.5 for details). Previously, a single CCS code was assigned to each condition to group conditions into clinically meaningful categories. The 2016 and 2017 Medical Conditions files are scheduled to be updated to include up to three CCSR codes for each condition. Also in 2018, the inclusion criteria for conditions changed; therefore, fewer conditions are on the 2018 and later files 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 in the instrument were designed to make the data collection effort more efficient and easy to administer. In addition, expectations were 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. 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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## D. Variable-Source Crosswalk

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### MEPS HC-214: 2019 MEDICAL CONDITIONS

#### UNIQUE IDENTIFIER VARIABLES

VARIABLE	LABEL	SOURCE <sup>1</sup>
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

VARIABLE	LABEL	SOURCE <sup>1</sup>
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)

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<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>
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, 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>
PERWT19F	Expenditure File Person Weight, 2019	Constructed
VARSTR	Variance Estimation Stratum, 2019	Constructed
VARPSU	Variance Estimation PSU, 2019	Constructed

# Appendix 1

## 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 perwt19f
-15	CANNOT BE COMPUTED	4748	54495002.23
A04	OTHER BACTERIAL INTESTINAL INFECTIONS	32	385558.16
A08	VIRAL AND OTHER SPECIFIED INTEST INFECTION	159	1815379.04
A09	INFECT GASTROENTERIT AND COLITIS, UNSPEC	40	479424.01
A41	OTHER SEPSIS	31	350137.08
A49	BACTERIAL INFECTION OF UNSPECIFIED SITE	165	2159827.09
B00	HERPESVIRAL [HERPES SIMPLEX] INFECTIONS	148	1940774.23
B02	ZOSTER [HERPES ZOSTER]	113	1352010.08
B07	VIRAL WARTS	99	1301669.21
B08	OTH VIR INFECTION SKIN AND MUC MEMB LES, NEC	28	466236.38
B19	UNSPECIFIED VIRAL HEPATITIS	36	353403.55
B27	INFECTIOUS MONONUCLEOSIS	25	420983.68
B34	VIRAL INFECTION OF UNSPECIFIED SITE	201	2572682.95
B35	DERMATOPHYTOSIS	179	1992399.14
B37	CANDIDIASIS	167	2018717.74
B49	UNSPECIFIED MYCOSIS	47	632524.57
B99	OTHER AND UNSPEC INFECTION DISEASES	118	1241549.75
C18	MALIGNANT NEOPLASM OF COLON	60	626632.56
C34	MALIGNANT NEOPLASM OF BRONCHUS AND LUNG	79	786586.12
C43	MALIGNANT MELANOMA OF SKIN	180	1986083.01
C44	OTHER AND UNSPEC MALIGNANT NEOPLASM SKIN	454	4895398.98
C50	MALIGNANT NEOPLASM OF BREAST	252	2632885.73
C55	MAL NEO OF UTERUS, PART UNSPECIFIED	24	236957.93
C61	MALIGNANT NEOPLASM OF PROSTATE	182	1816520.64
C64	MAL NEO KIDNEY, EXCEPT RENAL PELVIS	38	441885.20
C67	MALIGNANT NEOPLASM OF BLADDER	35	307225.71
C73	MALIGNANT NEOPLASM OF THYROID GLAND	61	653166.82
C80	MALIGN NEO W/O SPECIFICATION OF SITE	41	392816.50
C85	OTHER SPEC AND UNSPEC NON-HODGK LYMPHOM	45	447287.63
C95	LEUKEMIA OF UNSPECIFIED CELL TYPE	48	458072.22
D04	CARCINOMA IN SITU OF SKIN	78	936732.45
D17	BENIGN LIPOMATOUS NEOPLASM	26	263010.01
D21	OTH BEN NEO CONNECT AND OTHER SOFT TISS	36	380987.26
D22	MELANOCYTIC NEVI	135	1642563.98
D48	NEO UNCERT BEHAV OTH AND UNSPECI SITES	30	469382.22
D49	NEOPLASMS OF UNSPECIFIED BEHAVIOR	206	2288650.10
D64	OTHER ANEMIAS	198	2083054.58
D68	OTHER COAGULATION DEFECTS	39	415684.19
D75	OTH UNSPEC DIS BLOOD AND BLOOD-FORM ORG	32	301978.93
E03	OTHER HYPOTHYROIDISM	826	9512140.90
E04	OTHER NONTOXIC GOITER	78	935673.19
E05	THYROTOXICOSIS [HYPERTHYROIDISM]	122	1316843.14
E06	THYROIDITIS	34	364497.93
E07	OTHER DISORDERS OF THYROID	971	10124825.31
E11	TYPE 2 DIABETES MELLITUS	2547	25118443.17
E28	OVARIAN DYSFUNCTION	55	725757.20
E34	OTHER ENDOCRINE DISORDERS	124	1534342.54
E53	DEFICIENCY OF OTHER B GROUP VITAMINS	90	841399.89

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
E55	VITAMIN D DEFICIENCY	305	3079955.61
E56	OTHER VITAMIN DEFICIENCIES	33	330724.24
E58	DIETARY CALCIUM DEFICIENCY	20	194616.11
E61	DEFICIENCY OF OTHER NUTRIENT ELEMENTS	128	1163944.35
E66	OVERWEIGHT AND OBESITY	115	1216776.32
E78	DISORD LIPOPROTEIN METAB AND OTH LIPIDEM	4317	44945040.79
E83	DISORDERS OF MINERAL METABOLISM	47	470265.17
E86	VOLUME DEPLETION	92	1070451.59
E87	OTH DISORD FLUID, ELECTROL ACID-BASE BAL	289	2825254.51
F03	UNSPECIFIED DEMENTIA	95	923083.84
F10	ALCOHOL RELATED DISORDERS	42	504078.38
F17	NICOTINE DEPENDENCE	29	229089.68
F19	OTH PSYCHOACTIVE SUBSTANCE REL DISORDERS	40	411777.49
F20	SCHIZOPHRENIA	70	539482.14
F31	BIPOLAR DISORDER	287	2733708.97
F32	MAJ DEPRESSIVE DISORDER, SINGLE EPISODE	1944	21771623.43
F34	PERSISTENT MOOD [AFFECTIVE] DISORDERS	33	362656.48
F39	UNSPECIFIED MOOD [AFFECTIVE] DISORDER	104	1206581.55
F40	PHOBIC ANXIETY DISORDERS	23	298410.02
F41	OTHER ANXIETY DISORDERS	2247	26195597.38
F42	OBSESSIVE-COMPULSIVE DISORDER	57	721876.99
F43	REACTION SEVER STRESS, AND ADJUST DISORD	462	5258324.44
F51	SLEEP DIS NOT DUE TO SUB OR KNOW PHY CON	36	351575.88
F80	SPEC DEVELOP DISORD SPEECH AND LANGUAGE	47	553483.20
F84	PERVASIVE DEVELOPMENTAL DISORDERS	101	1088997.19
F90	ATTENTION-DEFICIT HYPERACTIVITY DISORDER	731	8616384.48
F91	CONDUCT DISORDERS	83	881809.75
F99	MENTAL DISORDER, NOT OTHERWISE SPECIFIED	103	1115903.22
G20	PARKINSON'S DISEASE	56	624687.24
G25	OTHER EXTRAPYRAMIDAL AND MOVEMENT DISORD	204	2034935.11
G30	ALZHEIMER'S DISEASE	52	538717.28
G35	MULTIPLE SCLEROSIS	73	767190.80
G40	EPILEPSY AND RECURRENT SEIZURES	94	1092386.78
G43	MIGRAINE	525	6143885.50
G44	OTHER HEADACHE SYNDROMES	22	234133.69
G45	TRANSNT CEREB ISCHEM ATTACK AND REL SYND	316	3209589.45
G47	SLEEP DISORDERS	1464	16069015.44
G56	MONONEUROPATHIES OF UPPER LIMB	136	1343580.50
G57	MONONEUROPATHIES OF LOWER LIMB	83	859477.34
G58	OTHER MONONEUROPATHIES	57	581750.24
G62	OTHER AND UNSPECIFIED POLYNEUROPATHIES	313	3177789.12
G80	CEREBRAL PALSY	27	267340.72
G89	PAIN, NOT ELSEWHERE CLASSIFIED	352	3798165.53
G93	OTHER DISORDERS OF BRAIN	35	382729.61
H00	HORDEOLUM AND CHALAZION	53	693742.76
H02	OTHER DISORDERS OF EYELID	43	513112.07
H04	DISORDERS OF LACRIMAL SYSTEM	228	2306679.42
H10	CONJUNCTIVITIS	153	1811182.53
H18	OTHER DISORDERS OF CORNEA	21	242400.33
H26	OTHER CATARACT	671	6839486.10
H33	RETINAL DETACHMENTS AND BREAKS	53	550055.60
H35	OTHER RETINAL DISORDERS	290	3018887.92
H40	GLAUCOMA	534	5436893.25
H43	DISORDERS OF VITREOUS BODY	53	587643.02
H44	DISORDERS OF GLOBE	157	1633606.46
H52	DISORDERS REFRACTION AND ACCOMMODATION	531	7198538.47
H53	VISUAL DISTURBANCES	224	2508905.55

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
H54	BLINDNESS AND LOW VISION	96	913883.51
H57	OTHER DISORDERS OF EYE AND ADNEXA	262	2574179.09
H60	OTITIS EXTERNA	28	417076.55
H61	OTHER DISORDERS OF EXTERNAL EAR	130	1325911.60
H65	NONSUPPURATIVE OTITIS MEDIA	27	298609.16
H66	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	658	8244747.47
H91	OTHER AND UNSPECIFIED HEARING LOSS	336	3607538.04
H92	OTALGIA AND EFFUSION OF EAR	114	1223824.60
H93	OTHER DISORDERS OF EAR, NEC	84	1034025.65
I10	ESSENTIAL (PRIMARY) HYPERTENSION	6010	61865446.44
I20	ANGINA PECTORIS	151	1561703.37
I21	ACUTE MYOCARDIAL INFARCTION	488	4880925.34
I25	CHRONIC ISCHEMIC HEART DISEASE	811	8125770.31
I26	PULMONARY EMBOLISM	37	355285.35
I34	NONRHEUMATIC MITRAL VALVE DISORDERS	39	443437.87
I38	ENDOCARDITIS, VALVE UNSPECIFIED	120	1238597.00
I48	ATRIAL FIBRILLATION AND FLUTTER	395	4285477.83
I49	OTHER CARDIAC ARRHYTHMIAS	282	3117677.05
I50	HEART FAILURE	217	1985855.35
I51	COMP AND ILL-DEFINED DESCRIPT HEART DIS	276	2586856.47
I63	CEREBRAL INFARCTION	55	550480.80
I65	OCC STEN PREC ART, NOT RESULT CER INFARC	20	200041.78
I71	AORTIC ANEURYSM AND DISSECTION	36	399681.45
I72	OTHER ANEURYSM	30	335458.87
I73	OTHER PERIPHERAL VASCULAR DISEASES	55	530373.18
I74	ARTERIAL EMBOLISM AND THROMBOSIS	291	2946579.38
I77	OTH DISORDERS OF ARTERIES AND ARTERIOLES	31	301073.63
I82	OTHER VENOUS EMBOLISM AND THROMBOSIS	29	276120.66
I83	VARICOSE VEINS OF LOWER EXTREMITIES	51	555378.44
I87	OTHER DISORDERS OF VEINS	38	376723.96
I89	OTH NONINF DISOR LYMPH VESSEL LYMPH NODE	31	412122.25
I99	OTH AND UNSPEC DISORD CIRCULATORY SYSTEM	68	624805.05
J00	ACUTE NASOPHARYNGITIS [COMMON COLD]	576	7030860.44
J02	ACUTE PHARYNGITIS	694	8570777.37
J03	ACUTE TONSILLITIS	41	477529.01
J05	ACUTE OBSTR LARYNG [CROUP] EPIGLOTTITIS	25	448149.65
J06	ACUTE UP RESP INFEC MULT AND UNSPEC SITE	249	3192367.64
J09	INFLU DUE TO CERTAIN IDENT INFLU VIRUSES	24	238328.37
J11	INFLU DUE TO UNIDENTIFIED INFLU VIR	895	10439551.35
J18	PNEUMONIA, UNSPECIFIED ORGANISM	407	4699405.75
J20	ACUTE BRONCHITIS	70	792681.91
J30	VASOMOTOR AND ALLERGIC RHINITIS	377	4242778.37
J32	CHRONIC SINUSITIS	764	9600755.32
J34	OTHER AND UNSPEC DIS NOSE, NASAL SINUSES	245	2724570.01
J35	CHRONIC DISEASES OF TONSILS AND ADENOIDS	63	647661.13
J39	OTHER DISEASE OF UPPER RESPIRATORY TRACK	86	1019558.76
J40	BRONCHITIS, NOT SPEC AS ACUTE OR CHRONIC	440	4987437.55
J42	UNSPECIFIED CHRONIC BRONCHITIS	183	1778244.76
J43	EMPHYSEMA	171	1439674.34
J44	OTH CHRONIC OBSTRUCTIVE PULMON DISEASE	322	3237511.10
J45	ASTHMA	1783	19120005.61
J81	PULMONARY EDEMA	20	216485.52
J98	OTHER RESPIRATORY DISORDERS	234	2766735.52
K01	EMBEDDED AND IMPACTED TEETH	48	724589.48
K02	DENTAL CARIES	27	340544.75
K04	DISEASES OF PULP AND PERIAPICAL TISSUES	137	1500064.51
K05	GINGIVITIS AND PERIODONTAL DISEASES	35	423615.83
K06	OTH DIS GING AND EDENTULOUS ALVEO RIDGE	21	219999.57

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
K08	OTH DISORD TEETH AND SUPPORT STRUCTURES	244	3034174.96
K13	OTHER DISEASES OF LIP AND ORAL MUCOSA	38	418234.68
K21	GASTRO-ESOPHAGEAL REFLUX DISEASE	1651	17670418.86
K22	OTHER DISEASES OF ESOPHAGUS	70	742609.87
K25	GASTRIC ULCER	41	438029.84
K29	GASTRITIS AND DUODENITIS	111	992293.70
K30	FUNCTIONAL DYSPEPSIA	163	1582076.13
K31	OTHER DISEASES OF STOMACH AND DUODENUM	239	2418786.66
K37	UNSPECIFIED APPENDICITIS	23	253494.62
K44	DIAPHRAGMATIC HERNIA	50	501543.70
K46	UNSPECIFIED ABDOMINAL HERNIA	151	1661312.52
K50	CROHN'S DISEASE [REGIONAL ENTERITIS]	43	491471.16
K51	ULCERATIVE COLITIS	36	495736.64
K52	OTH/UNSPEC NONINFECT GASTROENT, COLITIS	65	683801.66
K56	PARALYT ILEUS INTEST OBST W/O HERNIA	30	335106.35
K57	DIVERTICULAR DISEASE OF INTESTINE	118	1388533.13
K58	IRRITABLE BOWEL SYNDROME	126	1384453.64
K59	OTHER FUNCTIONAL INTESTINAL DISORDERS	278	2860682.77
K63	OTHER DISEASES OF INTESTINE	120	1208880.72
K64	HEMORRHOIDS PERIANAL VENOUS THROMBOSIS	81	964659.85
K74	FIBROSIS AND CIRRHOSIS OF LIVER	33	389223.03
K76	OTHER DISEASES OF LIVER	106	1106756.97
K80	CHOLELITHIASIS	34	343678.18
K82	OTHER DISEASES OF GALLBLADDER	89	1077610.50
K85	ACUTE PANCREATITIS	27	276901.07
K92	OTHER DISEASES OF DIGESTIVE SYSTEM	121	1324299.60
L02	CUTAN ABSCESS, FURUNCLE AND CARBUNCLE	61	744431.29
L03	CELLULITIS AND ACUTE LYMPHANGITIS	86	997107.98
L08	OTH LOCAL INFEC SKIN AND SUBCUTAN TISSUE	163	1685134.83
L21	SEBORRHEIC DERMATITIS	34	530887.33
L23	ALLERGIC CONTACT DERMATITIS	119	1431290.36
L29	PRURITUS	69	665623.29
L30	OTHER AND UNSPECIFIED DERMATITIS	273	3259331.54
L40	PSORIASIS	148	1873016.26
L50	URTICARIA	46	527543.35
L57	SKIN CHANGE CHRON EXPOS NONIONIZ RADIAT	20	222600.36
L60	NAIL DISORDERS	236	2454263.80
L65	OTHER NONSCARRING HAIR LOSS	45	583694.98
L70	ACNE	266	3466779.21
L71	ROSACEA	73	875418.99
L72	FOLLIC CYSTS SKIN AND SUBCUTANEOUS TISS	81	925519.20
L81	OTHER DISORDERS OF PIGMENTATION	54	667940.13
L84	CORNS AND CALLOSITIES	53	565430.48
L90	ATROPHIC DISORDERS OF SKIN	31	411024.22
L91	HYPERTROPHIC DISORDERS OF SKIN	41	425879.21
L97	NON-PRESS CHRON ULCER OF LOWER LIMB, NEC	22	204319.55
L98	OTH DISORD SKIN SUBCUTANEOUS TISS, NEC	380	4324993.32
M06	OTHER RHEUMATOID ARTHRITIS	447	4273421.37
M10	GOUT	358	3824037.45
M16	OSTEOARTHRITIS OF HIP	34	351857.02
M17	OSTEOARTHRITIS OF KNEE	98	1092578.19
M19	OTHER AND UNSPECIFIED OSTEOARTHRITIS	1764	17897016.92
M20	ACQUIRED DEFORMITIES OF FINGERS AND TOES	21	219988.04
M21	OTHER ACQUIRED DEFORMITIES OF LIMBS	72	802423.19
M23	INTERNAL DERANGEMENT OF KNEE	32	399009.63
M25	OTHER JOINT DISORDER, NEC	2205	23684746.59
M26	DENTOFACIAL ANOMALIES [INCLUDING MALOC]	21	257334.33
M32	SYSTEMIC LUPUS ERYTHEMATOSUS (SLE)	59	623738.14

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
M35	OTH SYSTEMIC INVOLVEMENT OF CONNECT TISS	63	776032.33
M41	SCOLIOSIS	101	1219359.48
M43	OTHER DEFORMING DORSOPATHIES	77	1005282.12
M46	OTHER INFLAMMATORY SPONDYLOPATHIES	29	316315.88
M48	OTHER SPONDYLOPATHIES	108	1089652.08
M50	CERVICAL DISC DISORDERS	51	631906.55
M51	THOR, THORACO, LUMBOS INTERV DISC DISORD	355	4131651.37
M53	OTHER AND UNSPEC DORSOPATHIES, NEC	284	3149454.66
M54	DORSALGIA	1738	18844197.92
M62	OTHER DISORDERS OF MUSCLE	345	3568639.67
M65	SYNOVITIS AND TENOSYNOVITIS	62	714723.44
M67	OTHER DISORDERS OF SYNOVIUM AND TENDON	30	359701.37
M70	SOFT TISS DISOR REL TO USE/OVERUS/PRESS	22	208773.25
M71	OTHER BURSOPATHIES	40	430939.42
M72	FIBROBLASTIC DISORDERS	96	1179394.70
M75	SHOULDER LESIONS	164	1897533.90
M76	ENTHESOPATHIES, LOWER LIMB, EXCLUDI FOOT	44	463395.43
M77	OTHER ENTHESOPATHIES	150	1858027.99
M79	OTH AND UNSPEC SOFT TISSUE DISORDER, NEC	1067	11205648.67
M81	OSTEOPOROSIS W/O CURR PATHOL FRACTURE	196	2014796.73
M85	OTH DISORD OF BONE DENSITY AND STRUCTURE	111	1298363.19
M89	OTHER DISORDERS OF BONE	78	827610.84
M99	BIOMECHANICAL LESIONS, NEC	25	267258.86
N15	OTHER RENAL TUBULO-INTERSTITIAL DISEASES	51	520626.64
N18	CHRONIC KIDNEY DISEASE (CKD)	61	555752.44
N19	UNSPECIFIED KIDNEY FAILURE	89	808325.27
N20	CALCULUS OF KIDNEY AND URETER	233	2710343.18
N28	OTHER DISORDER OF KIDNEY AND URETER, NEC	298	2810123.07
N30	CYSTITIS	131	1421503.71
N32	OTHER DISORDERS OF BLADDER	167	1668240.94
N39	OTHER DISORDERS OF URINARY SYSTEM	705	8022593.25
N40	BENIGN PROSTATIC HYPERPLASIA	235	2437376.97
N41	INFLAMMATORY DISEASES OF PROSTATE	26	380378.21
N42	OTHER AND UNSPECI DISORDERS OF PROSTATE	229	2357414.77
N52	MALE ERECTILE DYSFUNCTION	73	776980.82
N60	BENIGN MAMMARY DYSPLASIA	45	418283.65
N63	UNSPECIFIED LUMP IN BREAST	75	851315.04
N64	OTHER DISORDERS OF BREAST	51	551055.15
N76	OTHER INFLAMMATION OF VAGINA AND VULVA	32	353460.65
N80	ENDOMETRIOSIS	37	467070.53
N81	FEMALE GENITAL PROLAPSE	41	455838.11
N83	NONINFLAM DISOR OVA, FALLO TUB BROAD LIG	63	732657.71
N89	OTHER NONINFLAM DISORDERS OF VAGINA	45	571541.10
N92	EXCESS, FREQUENT, IRREGULAR MENSTRUATION	119	1541584.63
N93	OTH ABNRM UTERINE AND VAGINAL BLEEDING	29	301291.69
N94	PAIN OTH COND ASSOC WITH FEM ORG MEN CYC	80	1090176.87
N95	MENOPAUSAL AND OTH PERIMENOPAUSAL DISORD	151	1880866.98
O03	SPONTANEOUS ABORTION	35	432635.11
O80	ENCOUNT FULL-TERM UNCOMPLICATED DELIVERY	57	655324.53
P07	DISOR OF NB SHRT GESTN, LOW BRTH WGT NEC	22	263447.62
R00	ABNORMALITIES OF HEART BEAT	247	2650501.91
R01	CARDIAC MURMURS AND OTHER CARDIAC SOUNDS	119	1174388.35
R03	ABNORMAL BLOOD-PRESS READ, W/O DIAGNOS	80	892547.67
R04	HEMORRHAGE FROM RESPIRATORY PASSAGES	39	435911.55
R05	COUGH	444	5209034.00
R06	ABNORMALITIES OF BREATHING	319	3262652.82
R07	PAIN IN THROAT AND CHEST	269	2975112.28
R09	OTH SYMP AND SIGNS INVOLV CIRC RESP SYS	148	1680364.46

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
R10	ABDOMINAL AND PELVIC PAIN	351	3913537.12
R11	NAUSEA AND VOMITING	352	4011036.69
R12	HEARTBURN	178	1743185.56
R13	APHAGIA AND DYSPHAGIA	24	274040.83
R14	FLATULENCE AND RELATED CONDITIONS	27	282977.02
R19	OTH SYMP AND SIGNS DIGEST SYST AND ABDOM	131	1421772.57
R20	DISTURBANCES OF SKIN SENSATION	69	689513.44
R21	RASH AND OTHER NONSPECIFIC SKIN ERUPTION	441	4909900.00
R22	LOC SWELL, MASS AND LUMP SKIN SUBCU TISS	111	1198916.58
R25	ABNORMAL INVOLUNTARY MOVEMENTS	150	1519298.32
R26	ABNORMALITIES OF GAIT AND MOBILITY	82	816282.49
R29	OTH SYM SIGNS INVOLV NERV MUSCULOSK SYST	20	253742.31
R31	HEMATURIA	50	564046.81
R32	UNSPECIFIED URINARY INCONTINENCE	173	1677047.44
R33	RETENTION OF URINE	22	267288.40
R35	POLYURIA	52	525689.46
R39	OTH UNSP SYMP SIGNS INVOLV GENITOUR SYST	74	797421.69
R41	OTH SYMP SIGNS INVOLV COG FUNC AND AWARE	139	1397915.44
R42	DIZZINESS AND GIDDINESS	314	3119667.75
R45	SYMPT AND SIGNS INVOLV EMOTIONAL STATE	48	406429.66
R47	SPEECH DISTURBANCES, NEC	78	869028.74
R50	FEVER OF OTHER AND UNKNOWN ORIGIN	234	2865193.63
R51	HEADACHE	245	2721709.75
R52	PAIN, UNSPECIFIED	486	4769237.57
R53	MALaise AND FATIGUE	118	1278566.94
R54	AGE-RELATED PHYSICAL DEBILITY	86	802762.30
R55	SYNCOPE AND COLLAPSE	52	560086.76
R56	CONVULSIONS, NOT ELSEWHERE CLASSIFIED	199	2159718.40
R58	HEMORRHAGE, NOT ELSEWHERE CLASSIFIED	49	603497.03
R59	ENLARGED LYMPH NODES	32	412619.33
R60	EDEMA, NOT ELSEWHERE CLASSIFIED	482	4523664.72
R63	SYMP AND SIGN CONCERN FOOD FLUID INTAKE	128	1541876.49
R68	OTHER GENERAL SYMPTOMS AND SIGNS	23	320569.46
R69	ILLNESS, UNSPECIFIED	31	385415.54
R73	ELEVATED BLOOD GLUCOSE LEVEL	185	1811004.87
R79	OTH ABNORMAL FINDINGS OF BLOOD CHEMISTRY	91	1010686.12
R87	ABNORM FIND SPECIMEN FEMALE GENITAL ORGS	44	525377.15
R91	ABNORM FIND DIAGNOSTIC IMAGING OF LUNG	52	525237.21
R92	ABNORM INCONCLUS FIND DIAGN IMAG BREAST	33	411937.19
R94	ABNORMAL RESULTS OF FUNCTION STUDIES	32	319859.05
R97	ABNORMAL TUMOR MARKERS	24	215222.65
S00	SUPERFICIAL INJURY OF HEAD	28	316440.23
S01	OPEN WOUND OF HEAD	74	894428.26
S02	FRACTURE OF SKULL AND FACIAL BONES	29	295669.41
S05	INJURY OF EYE AND ORBIT	51	653731.20
S06	INTRACRANIAL INJURY	99	1278869.96
S09	OTHER AND UNSPECIFIED INJURIES OF HEAD	112	1159109.95
S13	DISLOCAT SPRAIN JOINT LIGAMENT NECK LEV	38	431124.74
S19	OTH SPEC AND UNSPEC INJURIES OF NECK	21	232177.32
S20	SUPERFICIAL INJURY OF THORAX	21	236362.74
S22	FRACTURE RIB(S), STERNUM THORACIC SPINE	49	583844.03
S32	FRACTURE OF LUMBAR SPINE AND PELVIS	48	531775.30
S39	OTH UNS INJUR ABD/LOW BACK/PEL/EXT GENIT	152	1750446.18
S42	FRACTURE OF SHOULDER AND UPPER ARM	114	1339753.78
S46	INJ MUSCL/FASCIA/TENDN SHOULDER/UPPR ARM	48	600246.18
S49	OTH AND UNSPEC INJ SHOULDER AND UPR ARM	85	969573.12
S61	OPEN WOUND OF WRIST, HAND AND FINGERS	97	1260928.21
S62	FRACTURE AT WRIST AND HAND LEVEL	111	1368375.75

ICD10CDX VALUE	ICD10CDX LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
S63	DISLOCN/SPRAIN JOINTS/LIGAMTS WRIST/HAND	50	596526.39
S69	OTH/UNSPEC INJ WRIST, HAND, FINGER(S)	71	815919.65
S72	FRACTURE OF FEMUR	35	399501.58
S73	DISLOCAT SPRAIN JOINT AND LIGAMENTS HIP	20	218222.08
S79	OTH AND UNSPEC INJURIES OF HIP AND THIGH	21	222661.65
S80	SUPERFICIAL INJURY OF KNEE AND LOWER LEG	27	294564.03
S81	OPEN WOUND OF KNEE AND LOWER LEG	28	369830.93
S82	FRACTURE OF LOWER LEG, INCLUDING ANKLE	109	1226969.56
S83	DISLOCAT SPRAIN JOINTS LIGAMENTS KNEE	115	1341622.40
S86	INJ OF MUSCLE, FASCIA, TENDON LOWER LEG	29	379039.31
S89	OTH AND UNSPEC INJURIES OF LOWER LEG	107	1222679.32
S91	OPEN WOUND OF ANKLE, FOOT AND TOES	38	379314.06
S92	FRACTURE OF FOOT AND TOE, EXCEPT ANKLE	128	1317203.21
S93	DISLOC SPRAIN JOINT LIG ANKLE, FOOT TOE	144	1923861.69
S99	OTH AND UNSPEC INJUR OF ANKLE AND FOOT	79	860988.37
T07	UNSPECIFIED MULTIPLE INJURIES	23	264561.60
T14	INJURY OF UNSPECIFIED BODY REGION	430	4777674.23
T15	FOREIGN BODY ON EXTERNAL EYE	20	220617.05
T62	TOX EFF OTH NOXIOUS SUBS EATEN AS FOOD	27	329177.87
T63	TOX CONTACT W/ VENOMOUS ANIMALS/PLANTS	90	1003992.74
T78	ADVERSE EFFECTS, NEC	1265	13788282.53
T88	OTH COMPLICNS OF SURG AND MED CARE, NEC	61	762374.84
Z00	GEN EXAM W/O COMP, SUSPEC OR REPORT DIAG	354	4020287.17
Z01	SPEC EXAM W/O COMPLAINT/SUSP/REP DIAGNOS	271	2911675.10
Z04	EXAM AND OBSERVATION FOR OTHER REASONS	84	842215.85
Z09	F/U EXAM AFT TREAT COND OTH THAN MAL NEO	60	596606.63
Z11	SCREENING INFECTIOUS PARASITIC DISEASE	24	337147.81
Z12	SCREENING FOR MALIGNANT NEOPLASMS	290	3303511.69
Z13	SCREENING FOR OTH DISEASES AND DISORDERS	717	7423726.08
Z21	ASYMPTOMATIC HIV INFECTION STATUS	37	392297.26
Z23	ENCOUNTER FOR IMMUNIZATION	123	1504640.96
Z29	ENCOUNTER FOR OTH PROPHYLACTIC MEASURES	106	1025499.26
Z30	ENCOUNTER FOR CONTRACEPTIVE MANAGEMENT	436	5917225.58
Z31	ENCOUNTER FOR PROCREATIVE MANAGEMENT	29	444911.14
Z34	ENCOUNTER FOR SUPERVISION OF NORMAL PREG	342	4414989.13
Z38	LIVE INFANTS PLACE BIRTH TYPE OF DELIVER	49	579804.11
Z39	MATERNAL POSTPARTUM CARE AND EXAMINATION	21	255312.73
Z45	ENCTR FOR ADJ, MGMT OF IMPLANTED DEVICE	55	515440.08
Z46	FITTING AND ADJUSTMENT OF OTHER DEVICES	38	399834.01
Z47	ORTHOPEDIC AFTERCARE	39	433815.93
Z48	ENCTR FOR OTHER POSTPROCEDURAL AFTERCARE	92	1034946.33
Z51	ENCOUNTER FOR OTHER AFTERCARE	94	886163.61
Z63	OTH PROB PRIM SUPP GRP, INCLUD FAM CIRC	72	972307.01
Z71	OTH COUNSELING AND MEDICAL ADVICE, NEC	265	3136133.46
Z73	PROBS REL TO LIFE MANAGEMENT DIFFICULTY	37	404114.43
Z76	PERSON ENCOUNT HEALTH SERVIC OTH CIRCUM	288	3142389.09
Z79	LONG TERM (CURRENT) DRUG THERAPY	378	4314190.84
Z87	PERSONAL HISTORY OTH DISEASES CONDITIONS	34	398619.28
Z89	ACQUIRED ABSENCE OF LIMB	28	247092.16
Z90	ACQUIRED ABSENCE OF ORGANS, NEC	41	375862.57
Z91	PERSONAL RISK FACTORS, NEC	69	859545.24
Z94	TRANSPLANTED ORGAN AND TISSUE STATUS	34	367286.16
Z95	PRESENCE CARD AND VASC IMPLANTS GRAFTS	75	685207.08
Z96	PRESENCE OF OTHER FUNCTIONAL IMPLANTS	263	2709412.36
Z97	PRESENCE OF OTHER DEVICES	71	787005.02
Z98	OTHER POSTPROCEDURAL STATES	30	356516.51
Z99	DEPEND ENABLING MACHINE AND DEVICE, NEC	33	375882.48
		87561	957420866.03

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 perwt19f
-15	CANNOT BE COMPUTED	-1	INAPPLICABLE	-1	INAPPLICABLE	723	7889478.66
BLD000	DISEASES OF BLOOD AND DISORDERS INVOLVING IMMUNE MECHANISM	-1	INAPPLICABLE	-1	INAPPLICABLE	34	329855.00
BLD000	DISEASES OF BLOOD AND DISORDERS INVOLVING IMMUNE MECHANISM	CIR000	DISEASES OF THE CIRCULATORY SYSTEM	-1	INAPPLICABLE	1	7115.02
BLD000	DISEASES OF BLOOD AND DISORDERS INVOLVING IMMUNE MECHANISM	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	1	12636.93
BLD001	NUTRITIONAL ANEMIA	-1	INAPPLICABLE	-1	INAPPLICABLE	30	320262.42
BLD003	APLASTIC ANEMIA	-1	INAPPLICABLE	-1	INAPPLICABLE	201	2107388.77
BLD006	COAGULATION AND HEMORRHAGIC DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	57	640756.63
BLD008	IMMUNITY DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	38	356803.80
BLD010	OTHER SPECIFIED AND UNSPECIFIED HEMATOLOGIC CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	33	305789.67
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	181	1941995.39
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	DIG000	DISEASES OF THE DIGESTIVE SYSTEM	-1	INAPPLICABLE	2	19914.60
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	FAC000	FACTORS INFLUENCING HEALTH STATUS & CONTACT W/ HEALTH SERV	-1	INAPPLICABLE	20	209124.15
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	GEN000	DISEASES OF THE GENITOURINARY SYSTEM	-1	INAPPLICABLE	1	8699.50
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	1	9209.58
CIR000	DISEASES OF THE CIRCULATORY SYSTEM	MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	-1	INAPPLICABLE	6	89798.71
CIR003	NONRHEUMATIC AND UNSPECIFIED VALVE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	55	617616.67
CIR004	ENDOCARDITIS AND ENDOCARDIAL DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	120	1238597.00
CIR007	ESSENTIAL HYPERTENSION	-1	INAPPLICABLE	-1	INAPPLICABLE	6010	61865446.44
CIR009	ACUTE MYOCARDIAL INFARCTION	-1	INAPPLICABLE	-1	INAPPLICABLE	488	4880925.34
CIR011	CORONARY ATHEROSCLEROSIS AND OTHER HEART DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	962	9687473.68
CIR011	CORONARY ATHEROSCLEROSIS AND OTHER HEART DISEASE	FAC009	IMPLANT, DEVICE OR GRAFT RELATED ENCOUNTER	-1	INAPPLICABLE	28	246961.49
CIR012	NONSPECIFIC CHEST PAIN	-1	INAPPLICABLE	-1	INAPPLICABLE	242	2686079.90
CIR013	ACUTE PULMONARY EMBOLISM	-1	INAPPLICABLE	-1	INAPPLICABLE	37	355285.35

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
CIR015	OTHER AND ILL-DEFINED HEART DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	276	2586856.47
CIR016	CONDUCTION DISORDERS	FAC009	IMPLANT, DEVICE OR GRAFT RELATED ENCOUNTER	-1	INAPPLICABLE	75	686412.50
CIR017	CARDIAC DYSRHYTHMIAS	-1	INAPPLICABLE	-1	INAPPLICABLE	677	7403154.87
CIR019	HEART FAILURE	-1	INAPPLICABLE	-1	INAPPLICABLE	217	1985855.35
CIR020	CEREBRAL INFARCTION	-1	INAPPLICABLE	-1	INAPPLICABLE	55	550480.80
CIR023	OCCCLUSION/STENOSIS PRECEREBRAL/CEREB ARTERIES W/OUT INFARC	-1	INAPPLICABLE	-1	INAPPLICABLE	20	200041.78
CIR026	PERIPHERAL AND VISCERAL VASCULAR DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	55	530373.18
CIR029	AORTIC; PERIPHERAL; AND VISCERAL ARTERY ANEURYSMS	-1	INAPPLICABLE	-1	INAPPLICABLE	66	735140.32
CIR030	AORTIC AND PERIPHERAL ARTERIAL EMBOLISM OR THROMBOSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	291	2946579.38
CIR032	OTHER SPECIFIED AND UNSPECIFIED CIRCULATORY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	105	994741.43
CIR033	ACUTE PHLEBITIS; THROMBOPHLEBITIS AND THROMBOEMBOLISM	-1	INAPPLICABLE	-1	INAPPLICABLE	32	299300.65
CIR035	VARICOSE VEINS OF LOWER EXTREMITY	-1	INAPPLICABLE	-1	INAPPLICABLE	51	555378.44
CIR039	OTHER SPECIFIED DISEASES OF VEINS AND LYMPHATICS	-1	INAPPLICABLE	-1	INAPPLICABLE	84	944858.65
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	86	1031756.49
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	25	259849.15
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	2	30282.50
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	-1	INAPPLICABLE	1	0.00
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	NEO000	NEOPLASMS	-1	INAPPLICABLE	6	60237.92
DIG000	DISEASES OF THE DIGESTIVE SYSTEM	SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	13	147491.21
DIG001	INTESTINAL INFECTION	INF003	BACTERIAL INFECTIONS	-1	INAPPLICABLE	35	409860.12
DIG001	INTESTINAL INFECTION	INF008	VIRAL INFECTION	-1	INAPPLICABLE	159	1815379.04
DIG001	INTESTINAL INFECTION	INF009	PARASITIC, OTHER SPECIFIED AND UNSPECIFIED INFECTIONS	-1	INAPPLICABLE	41	483793.07
DIG002	DISORDERS OF TEETH AND GINGIVA	-1	INAPPLICABLE	-1	INAPPLICABLE	543	6647125.79
DIG003	DISEASES OF MOUTH; EXCLUDING DENTAL	-1	INAPPLICABLE	-1	INAPPLICABLE	68	901346.10
DIG003	DISEASES OF MOUTH; EXCLUDING DENTAL	INF008	VIRAL INFECTION	-1	INAPPLICABLE	28	466236.38

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
DIG004	ESOPHAGEAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1731	18579171.04
DIG005	GASTRODUODENAL ULCER	-1	INAPPLICABLE	-1	INAPPLICABLE	45	483956.55
DIG007	GASTRITIS AND DUODENITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	111	992293.70
DIG008	OTH SPECIFIED & UNSPECIFIED DISORDERS OF STOMACH & DUODENUM	-1	INAPPLICABLE	-1	INAPPLICABLE	402	4000862.78
DIG009	APPENDICITIS AND OTHER APPENDICEAL CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	38	430505.80
DIG010	ABDOMINAL HERNIA	-1	INAPPLICABLE	-1	INAPPLICABLE	228	2511589.88
DIG011	REGIONAL ENTERITIS AND ULCERATIVE COLITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	79	987207.79
DIG012	INTESTINAL OBSTRUCTION AND ILEUS	-1	INAPPLICABLE	-1	INAPPLICABLE	30	335106.35
DIG013	DIVERTICULOSIS AND DIVERTICULITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	118	1388533.13
DIG014	HEMORRHOIDS	-1	INAPPLICABLE	-1	INAPPLICABLE	81	964659.85
DIG017	BILIARY TRACT DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	132	1530190.82
DIG019	OTHER SPECIFIED AND UNSPECIFIED LIVER DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	145	1558247.12
DIG020	PANCREATIC DISORDERS (EXCLUDING DIABETES)	-1	INAPPLICABLE	-1	INAPPLICABLE	40	413456.52
DIG021	GASTROINTESTINAL HEMORRHAGE	-1	INAPPLICABLE	-1	INAPPLICABLE	21	191590.62
DIG022	NONINFECTIOUS GASTROENTERITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	65	683801.66
DIG025	OTHER SPECIFIED AND UNSPECIFIED GASTROINTESTINAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	572	6074896.31
EAR000	DISEASES OF THE EAR AND MASTOID PROCESS	-1	INAPPLICABLE	-1	INAPPLICABLE	2	29132.35
EAR000	DISEASES OF THE EAR AND MASTOID PROCESS	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	1	18266.23
EAR001	OTITIS MEDIA	-1	INAPPLICABLE	-1	INAPPLICABLE	685	8543356.64
EAR002	DISEASES OF MIDDLE EAR AND MASTOID (EXCEPT OTITIS MEDIA)	-1	INAPPLICABLE	-1	INAPPLICABLE	31	422562.73
EAR003	DISEASES OF INNER EAR AND RELATED CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	23	226520.48
EAR004	HEARING LOSS	-1	INAPPLICABLE	-1	INAPPLICABLE	338	3650184.79
EAR006	OTHER SPECIFIED AND UNSPECIFIED DISORDERS OF THE EAR	-1	INAPPLICABLE	-1	INAPPLICABLE	356	4000838.41
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	-1	INAPPLICABLE	-1	INAPPLICABLE	68	761914.89
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	EYE000	DISEASES OF THE EYE AND ADNEXA	-1	INAPPLICABLE	17	201298.58
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	GEN000	DISEASES OF THE GENITOURINARY SYSTEM	-1	INAPPLICABLE	11	154742.53
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	23	229107.37

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	8	135324.65
END000	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	SKN000	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-1	INAPPLICABLE	11	98101.51
END001	THYROID DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	2036	22324483.61
END002	DIABETES MELLITUS WITHOUT COMPLICATION	END005	DIABETES MELLITUS, TYPE 2	-1	INAPPLICABLE	2547	25118443.17
END007	NUTRITIONAL DEFICIENCIES	-1	INAPPLICABLE	-1	INAPPLICABLE	583	5671035.28
END009	OBESITY	-1	INAPPLICABLE	-1	INAPPLICABLE	88	982047.73
END010	DISORDERS OF LIPID METABOLISM	-1	INAPPLICABLE	-1	INAPPLICABLE	4317	44945040.79
END011	FLUID AND ELECTROLYTE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	381	3895706.09
END015	OTHER SPECIFIED AND UNSPECIFIED ENDOCRINE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	259	3168739.39
END016	OTH SPECIFIED & UNSPEC NUTRITIONAL AND METABOLIC DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	123	1209731.32
EXT000	EXTERNAL CAUSES OF MORBIDITY	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	7	84326.19
EYE000	DISEASES OF THE EYE AND ADNEXA	-1	INAPPLICABLE	-1	INAPPLICABLE	91	1089515.12
EYE000	DISEASES OF THE EYE AND ADNEXA	INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	9	118382.45
EYE000	DISEASES OF THE EYE AND ADNEXA	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	5	38805.79
EYE001	CORNEA AND EXTERNAL DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	242	2933050.49
EYE002	CATARACT AND OTHER LENS DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	675	6917780.22
EYE003	GLAUCOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	534	5436893.25
EYE004	UVEITIS AND OCULAR INFLAMMATION	-1	INAPPLICABLE	-1	INAPPLICABLE	126	1316060.04
EYE005	RETINAL AND VITREOUS CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	407	4255884.74
EYE008	OCULOFACIAL PLASTICS AND ORBITAL CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	274	2864648.29
EYE009	REFRACTIVE ERROR	-1	INAPPLICABLE	-1	INAPPLICABLE	531	7198538.47
EYE010	BLINDNESS AND VISION DEFECTS	-1	INAPPLICABLE	-1	INAPPLICABLE	320	3422789.06
EYE012	OTHER SPECIFIED EYE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	302	3025776.59
FAC000	FACTORS INFLUENCING HEALTH STATUS & CONTACT W/ HEALTH SERV	-1	INAPPLICABLE	-1	INAPPLICABLE	82	916141.16
FAC003	ENCNTR FOR OBS, EXAM COND R/O, EXCL INFECT DIS, NPL, MENT D/	-1	INAPPLICABLE	-1	INAPPLICABLE	806	8315430.95
FAC005	ENCOUNTER FOR PROPHYLACTIC MEASURES (EXCLUDES IMMUNIZATION)	-1	INAPPLICABLE	-1	INAPPLICABLE	106	1025499.26

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
FAC008	NEOPLASM-RELATED ENCOUNTERS	-1	INAPPLICABLE	-1	INAPPLICABLE	352	3930730.40
FAC009	IMPLANT, DEVICE OR GRAFT RELATED ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	433	4547057.69
FAC010	OTHER AFTERCARE ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	225	2354925.87
FAC012	OTHER SPECIFIED ENCOUNTERS AND COUNSELING	-1	INAPPLICABLE	-1	INAPPLICABLE	553	6278522.55
FAC013	CONTRACEPTIVE AND PROCREATIVE MANAGEMENT	-1	INAPPLICABLE	-1	INAPPLICABLE	465	6362136.72
FAC014	MEDICAL EXAMINATION/EVALUATION	-1	INAPPLICABLE	-1	INAPPLICABLE	625	6931962.27
FAC016	EXPOSURE, ENCTR, SCREENING OR CONTACT W/ INFECTIOUS DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	152	1924829.55
FAC019	SOCIOECONOMIC/PSYCHOSOCIAL FACTORS	-1	INAPPLICABLE	-1	INAPPLICABLE	93	1260441.13
FAC020	LIFESTYLE/LIFE MANAGEMENT FACTORS	-1	INAPPLICABLE	-1	INAPPLICABLE	37	404114.43
FAC021	PERSONAL/FAMILY HISTORY OF DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	65	807210.54
FAC022	ACQUIRED ABSENCE OF LIMB OR ORGAN	-1	INAPPLICABLE	-1	INAPPLICABLE	69	622954.74
FAC023	ORGAN TRANSPLANT STATUS	-1	INAPPLICABLE	-1	INAPPLICABLE	34	367286.16
FAC025	OTHER SPECIFIED STATUS	-1	INAPPLICABLE	-1	INAPPLICABLE	429	4818975.83
GEN000	DISEASES OF THE GENITOURINARY SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	61	645445.72
GEN000	DISEASES OF THE GENITOURINARY SYSTEM	PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	1	6804.52
GEN001	NEPHRITIS; NEPHROSIS; RENAL SCLEROSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	61	619281.30
GEN002	ACUTE AND UNSPECIFIED RENAL FAILURE	-1	INAPPLICABLE	-1	INAPPLICABLE	89	808325.27
GEN003	CHRONIC KIDNEY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	61	555752.44
GEN004	URINARY TRACT INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	780	8900107.39
GEN005	CALCULUS OF URINARY TRACT	-1	INAPPLICABLE	-1	INAPPLICABLE	242	2795475.10
GEN006	OTH SPECIFIED AND UNSPECIFIED DISEASES OF KIDNEY AND URETER	-1	INAPPLICABLE	-1	INAPPLICABLE	316	3012425.77
GEN007	OTH SPECIFIED & UNSPECIFIED DISEASES OF BLADDER AND URETHRA	-1	INAPPLICABLE	-1	INAPPLICABLE	177	1778351.96
GEN008	URINARY INCONTINENCE	-1	INAPPLICABLE	-1	INAPPLICABLE	173	1677047.44
GEN009	HEMATURIA	-1	INAPPLICABLE	-1	INAPPLICABLE	50	564046.81
GEN012	HYPERPLASIA OF PROSTATE	-1	INAPPLICABLE	-1	INAPPLICABLE	235	2437376.97
GEN013	INFLAMMATORY CONDITIONS OF MALE GENITAL ORGANS	-1	INAPPLICABLE	-1	INAPPLICABLE	28	399510.69
GEN014	ERECTILE DYSFUNCTION	-1	INAPPLICABLE	-1	INAPPLICABLE	73	776980.82
GEN016	OTHER SPECIFIED MALE GENITAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	263	2777484.61
GEN017	NONMALIGNANT BREAST CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	194	2087585.83

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
GEN018	INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-1	INAPPLICABLE	-1	INAPPLICABLE	41	478731.01
GEN018	INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	GEN025	OTHER SPECIFIED FEMALE GENITAL DISORDERS	INF004	FUNGAL INFECTIONS	27	281477.95
GEN019	ENDOMETRIOSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	37	467070.53
GEN020	PROLAPSE OF FEMALE GENITAL ORGANS	-1	INAPPLICABLE	-1	INAPPLICABLE	41	455838.11
GEN021	MENSTRUAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	161	2105483.65
GEN022	BENIGN OVARIAN CYST	-1	INAPPLICABLE	-1	INAPPLICABLE	63	732657.71
GEN023	MENOPAUSAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	254	3188222.70
GEN025	OTHER SPECIFIED FEMALE GENITAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	156	1863538.61
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	-1	INAPPLICABLE	-1	INAPPLICABLE	30	382609.59
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	1	10848.29
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	-1	INAPPLICABLE	15	194560.69
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	4	48696.50
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	RSP000	DISEASES OF THE RESPIRATORY SYSTEM	-1	INAPPLICABLE	16	173697.33
INF000	CERTAIN INFECTIOUS AND PARASITIC DISEASES	SKN000	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-1	INAPPLICABLE	5	81161.27
INF002	SEPTICEMIA	INF003	BACTERIAL INFECTIONS	-1	INAPPLICABLE	31	350137.08
INF003	BACTERIAL INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	184	2400907.91
INF003	BACTERIAL INFECTIONS	RSP006	OTHER SPECIFIED UPPER RESPIRATORY INFECTIONS	-1	INAPPLICABLE	415	5353016.10
INF004	FUNGAL INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	383	4554407.58
INF006	HIV INFECTION	-1	INAPPLICABLE	-1	INAPPLICABLE	43	460665.30
INF007	HEPATITIS	INF008	VIRAL INFECTION	-1	INAPPLICABLE	42	422726.85
INF008	VIRAL INFECTION	-1	INAPPLICABLE	-1	INAPPLICABLE	504	6571675.82
INF008	VIRAL INFECTION	SKN007	OTHER SPECIFIED AND UNSPECIFIED SKIN DISORDERS	-1	INAPPLICABLE	96	1243322.12
INF009	PARASITIC, OTHER SPECIFIED AND UNSPECIFIED INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	168	1762547.98
INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	-1	INAPPLICABLE	-1	INAPPLICABLE	205	2396879.22
INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	MBD000	MENTAL, BEHAVIORAL AND NEURODEVELOPMENTAL DISORDERS	-1	INAPPLICABLE	3	23312.25
INJ000	INJURY, POISONING & CERTAIN OTH CONSEQUENCES OF EXTNL CAUSE	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	3	38257.79
INJ027	OTHER UNSPECIFIED INJURY	-1	INAPPLICABLE	-1	INAPPLICABLE	160	1695390.91

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
INJ031	ALLERGIC REACTIONS	RSP007	OTHER SPECIFIED AND UNSPECIFIED UPPER RESPIRATORY DISEASE	-1	INAPPLICABLE	377	4242778.37
INJ031	ALLERGIC REACTIONS	SKN002	OTHER SPECIFIED INFLAMMATORY CONDITION OF SKIN	-1	INAPPLICABLE	53	612141.42
INJ031	ALLERGIC REACTIONS	SKN005	CONTACT DERMATITIS	-1	INAPPLICABLE	119	1431290.36
INJ031	ALLERGIC REACTIONS	SKN007	OTHER SPECIFIED AND UNSPECIFIED SKIN DISORDERS	-1	INAPPLICABLE	273	3259331.54
INJ038	FRACTURE OF HEAD AND NECK, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	29	295669.41
INJ039	FRACTURE OF THE SPINE AND BACK, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	54	577399.60
INJ040	FRACTURE OF TORSO, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	49	583844.03
INJ041	FRACTURE OF THE UPPER LIMB, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	231	2780313.67
INJ042	FRACTURE OF LOWER LIMB (EXCEPT HIP), SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	239	2559452.13
INJ043	FRACTURE OF THE NECK OF THE FEMUR (HIP), SUBSEQUENT ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	35	399501.58
INJ044	DISLOCATIONS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	41	471686.77
INJ045	TRAUMATIC BRAIN INJURY (TBI); CONCUSSION, SUBSEQUENT ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	99	1278869.96
INJ048	OPEN WOUNDS OF HEAD AND NECK, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	74	894428.26
INJ049	OPEN WOUNDS TO LIMBS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	182	2203854.25
INJ054	SUPERFICIAL INJURY; CONTUSION, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	166	1998338.58
INJ055	CRUSHING INJURY, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	21	296405.07
INJ056	BURNS AND CORROSION, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	24	248377.62
INJ057	EFFECT OF FOREIGN BODY ENTERING OPENING, SUBSEQUENT ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	54	672155.48
INJ058	EFFECT OF OTHER EXTERNAL CAUSES, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	30	413584.46
INJ060	TOXIC EFFECTS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	127	1470585.40
INJ061	SPRAINS AND STRAINS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	485	6042357.55
INJ062	INJURY TO NERVES, MUSCLES AND TENDONS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	72	830511.05

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
INJ064	OTHER UNSPECIFIED INJURIES, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	928	10513890.00
INJ067	ALLERGIC REACTIONS, SUBSEQUENT ENCOUNTER	-1	INAPPLICABLE	-1	INAPPLICABLE	1265	13788282.53
INJ072	COMPLC OF OTHER SURGICAL/MEDICAL CARE, INJURY, SUBSEQ ENCTR	-1	INAPPLICABLE	-1	INAPPLICABLE	92	1111636.06
MAL000	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORM	-1	INAPPLICABLE	-1	INAPPLICABLE	67	894485.40
MAL001	CARDIAC AND CIRCULATORY CONGENITAL ANOMALIES	-1	INAPPLICABLE	-1	INAPPLICABLE	28	351768.98
MAL008	MUSCULOSKELETAL CONGENITAL CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	32	369142.92
MBD000	MENTAL, BEHAVIORAL AND NEURODEVELOPMENTAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	105	1210932.46
MBD000	MENTAL, BEHAVIORAL AND NEURODEVELOPMENTAL DISORDERS	PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	1	10689.63
MBD001	SCHIZOPHRENIA SPECTRUM AND OTHER PSYCHOTIC DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	95	774706.91
MBD002	DEPRESSIVE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1952	21853336.64
MBD003	BIPOLAR AND RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	288	2744093.07
MBD004	OTHER SPECIFIED AND UNSPECIFIED MOOD DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	137	1569238.03
MBD005	ANXIETY AND FEAR-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	2275	26553392.54
MBD006	OBSESSIVE-COMPULSIVE AND RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	58	740622.64
MBD007	TRAUMA- AND STRESSOR-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	473	5370359.55
MBD008	DISRUPTIVE, IMPULSE-CONTROL AND CONDUCT DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	83	881809.75
MBD013	MISCELLANEOUS MENTAL AND BEHAVIORAL DISORDERS/CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	135	1497164.19
MBD014	NEURODEVELOPMENTAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	929	10708214.96
MBD017	ALCOHOL-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	42	504078.38
MBD024	TOBACCO-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	29	229089.68
MBD025	OTHER SPECIFIED SUBSTANCE-RELATED DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	40	411777.49
MUS000	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSU	-1	INAPPLICABLE	-1	INAPPLICABLE	103	1041059.57
MUS003	RHEUMATOID ARTHRITIS AND RELATED DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	447	4273421.37

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
MUS005	OTHER SPECIFIED CHRONIC ARTHROPATHY	SKN002	OTHER SPECIFIED INFLAMMATORY CONDITION OF SKIN	-1	INAPPLICABLE	25	310488.16
MUS006	OSTEOARTHRITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	1906	19439946.40
MUS007	OTHER SPECIFIED JOINT DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	523	5465845.27
MUS009	TENDON AND SYNOVIAL DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	357	4112223.20
MUS010	MUSCULOSKELETAL PAIN, NOT LOW BACK PAIN	-1	INAPPLICABLE	-1	INAPPLICABLE	3160	34116755.01
MUS011	SPONDYLOPATHIES/SPONDYLO ARTHROPATHY (INCLUDING INFECTIVE)	-1	INAPPLICABLE	-1	INAPPLICABLE	887	9935270.15
MUS011	SPONDYLOPATHIES/SPONDYLO ARTHROPATHY (INCLUDING INFECTIVE)	MUS038	LOW BACK PAIN	-1	INAPPLICABLE	509	5592083.32
MUS012	BIOMECHANICAL LESIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	25	267258.86
MUS013	OSTEOPOROSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	196	2014796.73
MUS021	ACQUIRED FOOT DEFORMITIES	-1	INAPPLICABLE	-1	INAPPLICABLE	93	1022411.23
MUS022	SCOLIOSIS AND OTHER POSTURAL DORSOPATHIC DEFORMITIES	-1	INAPPLICABLE	-1	INAPPLICABLE	104	1252945.30
MUS024	SYSTEMIC LUPUS ERYTHEMATOSUS AND CONNECTIVE TISSUE DISORDER	-1	INAPPLICABLE	-1	INAPPLICABLE	127	1434763.29
MUS025	OTHER SPECIFIED CONNECTIVE TISSUE DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	911	9995123.41
MUS026	MUSCLE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	295	2948356.51
MUS028	OTHER SPECIFIED BONE DISEASE AND MUSCULOSKELETAL DEFORMITIE	-1	INAPPLICABLE	-1	INAPPLICABLE	203	2313584.92
MUS029	DISORDERS OF JAW	-1	INAPPLICABLE	-1	INAPPLICABLE	21	257334.33
MUS033	GOUT	-1	INAPPLICABLE	-1	INAPPLICABLE	358	3824037.45
MUS038	LOW BACK PAIN	-1	INAPPLICABLE	-1	INAPPLICABLE	318	3655746.56
NEO000	NEOPLASMS	-1	INAPPLICABLE	-1	INAPPLICABLE	199	2136457.42
NEO000	NEOPLASMS	NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	3	28621.47
NEO015	GASTROINTESTINAL CANCERS - COLORECTAL	-1	INAPPLICABLE	-1	INAPPLICABLE	68	703179.76
NEO022	RESPIRATORY CANCERS	-1	INAPPLICABLE	-1	INAPPLICABLE	79	786586.12
NEO025	SKIN CANCERS - MELANOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	180	1986083.01
NEO026	SKIN CANCERS - BASAL CELL CARCINOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	59	608813.36
NEO027	SKIN CANCERS - SQUAMOUS CELL CARCINOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	33	410210.65
NEO028	SKIN CANCERS - ALL OTHER TYPES	-1	INAPPLICABLE	-1	INAPPLICABLE	440	4813107.42
NEO030	BREAST CANCER - ALL OTHER TYPES	-1	INAPPLICABLE	-1	INAPPLICABLE	252	2632885.73
NEO031	FEMALE REPRODUCTIVE SYSTEM CANCERS - UTERUS	-1	INAPPLICABLE	-1	INAPPLICABLE	24	236957.93
NEO039	MALE REPRODUCTIVE SYSTEM CANCERS - PROSTATE	-1	INAPPLICABLE	-1	INAPPLICABLE	182	1816520.64

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
NEO043	URINARY SYSTEM CANCERS - BLADDER	-1	INAPPLICABLE	-1	INAPPLICABLE	35	307225.71
NEO045	URINARY SYSTEM CANCERS - KIDNEY	-1	INAPPLICABLE	-1	INAPPLICABLE	38	441885.20
NEO050	ENDOCRINE SYSTEM CANCERS - THYROID	-1	INAPPLICABLE	-1	INAPPLICABLE	61	653166.82
NEO058	NON-HODGKIN LYMPHOMA	-1	INAPPLICABLE	-1	INAPPLICABLE	47	471845.92
NEO064	LEUKEMIA - ALL OTHER TYPES	-1	INAPPLICABLE	-1	INAPPLICABLE	50	482846.66
NEO071	MALIGNANT NEOPLASM, UNSPECIFIED	-1	INAPPLICABLE	-1	INAPPLICABLE	41	392816.50
NEO072	NEOPLASMS OF UNSPECIFIED NATURE OR UNCERTAIN BEHAVIOR	-1	INAPPLICABLE	-1	INAPPLICABLE	257	2997439.41
NEO073	BENIGN NEOPLASMS	-1	INAPPLICABLE	-1	INAPPLICABLE	349	4002959.43
NVS000	DISEASES OF THE NERVOUS SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	71	821920.31
NVS000	DISEASES OF THE NERVOUS SYSTEM	SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	4	50525.34
NVS004	PARKINSON`S DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	56	624687.24
NVS005	MULTIPLE SCLEROSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	73	767190.80
NVS006	OTH SPECIFIED HEREDITARY & DEGENERATIVE NERVOUS SYSTEM COND	-1	INAPPLICABLE	-1	INAPPLICABLE	37	367564.92
NVS006	OTH SPECIFIED HEREDITARY & DEGENERATIVE NERVOUS SYSTEM COND	NVS016	SLEEP WAKE DISORDERS	-1	INAPPLICABLE	182	1812814.39
NVS007	CEREBRAL PALSY	-1	INAPPLICABLE	-1	INAPPLICABLE	27	267340.72
NVS009	EPILEPSY; CONVULSIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	293	3252105.18
NVS010	HEADACHE; INCLUDING MIGRAINE	-1	INAPPLICABLE	-1	INAPPLICABLE	547	6378019.19
NVS010	HEADACHE; INCLUDING MIGRAINE	SYM010	NERVOUS SYSTEM SIGNS AND SYMPTOMS	-1	INAPPLICABLE	245	2721709.75
NVS011	NEUROCOGNITIVE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	155	1552960.86
NVS012	TRANSIENT CEREBRAL ISCHEMIA	-1	INAPPLICABLE	-1	INAPPLICABLE	316	3209589.45
NVS015	POLYNEUROPATHIES	-1	INAPPLICABLE	-1	INAPPLICABLE	321	3238375.64
NVS016	SLEEP WAKE DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1500	16420591.31
NVS017	NERVE AND NERVE ROOT DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	327	3318529.79
NVS019	NERVOUS SYSTEM PAIN AND PAIN SYNDROMES	-1	INAPPLICABLE	-1	INAPPLICABLE	352	3798165.53
NVS020	OTHER SPECIFIED NERVOUS SYSTEM DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	60	624893.65
PNL000	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-1	INAPPLICABLE	-1	INAPPLICABLE	4	54149.82
PNL001	LIVEBORN	-1	INAPPLICABLE	-1	INAPPLICABLE	49	579804.11
PNL002	SHORT GESTATION, LOW BIRTH WEIGHT & FETAL GROWTH RETARDATIO	-1	INAPPLICABLE	-1	INAPPLICABLE	22	263447.62
PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-1	INAPPLICABLE	-1	INAPPLICABLE	81	1188462.65

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
PRG000	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	5	50456.53
PRG003	SPONTANEOUS ABORTION & COMPLICATIONS OF SPONTANEOUS ABORTIO	-1	INAPPLICABLE	-1	INAPPLICABLE	35	432635.11
PRG029	UNCOMPLICATED PREGNANCY, DELIVERY OR PUERPERIUM	-1	INAPPLICABLE	-1	INAPPLICABLE	424	5414360.42
RSP000	DISEASES OF THE RESPIRATORY SYSTEM	-1	INAPPLICABLE	-1	INAPPLICABLE	61	703076.88
RSP001	SINUSITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	764	9600755.32
RSP002	PNEUMONIA (EXCEPT THAT CAUSED BY TUBERCULOSIS)	-1	INAPPLICABLE	-1	INAPPLICABLE	407	4699405.75
RSP003	INFLUENZA	-1	INAPPLICABLE	-1	INAPPLICABLE	919	10677879.71
RSP004	ACUTE AND CHRONIC TONSILLITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	104	1125190.14
RSP005	ACUTE BRONCHITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	510	5780119.46
RSP006	OTHER SPECIFIED UPPER RESPIRATORY INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	1143	14049937.03
RSP007	OTHER SPECIFIED AND UNSPECIFIED UPPER RESPIRATORY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	366	4135354.74
RSP008	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND BRONCHIECTASIS	-1	INAPPLICABLE	-1	INAPPLICABLE	680	6490646.63
RSP009	ASTHMA	-1	INAPPLICABLE	-1	INAPPLICABLE	1783	19120005.61
RSP016	OTHER SPECIFIED AND UNSPECIFIED LOWER RESPIRATORY DISEASE	-1	INAPPLICABLE	-1	INAPPLICABLE	279	3200947.79
SKN000	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-1	INAPPLICABLE	-1	INAPPLICABLE	28	273817.98
SKN001	SKIN AND SUBCUTANEOUS TISSUE INFECTIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	335	3787208.75
SKN002	OTHER SPECIFIED INFLAMMATORY CONDITION OF SKIN	-1	INAPPLICABLE	-1	INAPPLICABLE	590	7461644.09
SKN004	NON-PRESSURE ULCER OF SKIN	-1	INAPPLICABLE	-1	INAPPLICABLE	22	204319.55
SKN005	CONTACT DERMATITIS	-1	INAPPLICABLE	-1	INAPPLICABLE	29	385119.04
SKN007	OTHER SPECIFIED AND UNSPECIFIED SKIN DISORDERS	-1	INAPPLICABLE	-1	INAPPLICABLE	1010	11475755.71
SYM000	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LAB FINDINGS, NEC	-1	INAPPLICABLE	-1	INAPPLICABLE	27	249250.77
SYM001	SYNCOPE	-1	INAPPLICABLE	-1	INAPPLICABLE	52	560086.76
SYM002	FEVER	-1	INAPPLICABLE	-1	INAPPLICABLE	234	2865193.63
SYM004	NAUSEA AND VOMITING	-1	INAPPLICABLE	-1	INAPPLICABLE	352	4011036.69
SYM005	DYSPHAGIA	-1	INAPPLICABLE	-1	INAPPLICABLE	24	274040.83
SYM006	ABDOMINAL PAIN & OTHER DIGESTIVE/ABDOMEN SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	720	7757749.40
SYM007	MALAISE AND FATIGUE	-1	INAPPLICABLE	-1	INAPPLICABLE	118	1278566.94

CCSR1X VALUE	CCSR1X LABEL	CCSR2X VALUE	CCSR2X LABEL	CCSR3X VALUE	CCSR3X LABEL	UNWEIGHTED	WEIGHTED BY perwt19f
SYM008	SYMPTOMS OF MENTAL AND SUBSTANCE USE CONDITIONS	-1	INAPPLICABLE	-1	INAPPLICABLE	48	406429.66
SYM010	NERVOUS SYSTEM SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	387	3993003.98
SYM011	GENITOURINARY SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	220	2336502.82
SYM012	CIRCULATORY SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	564	6222780.16
SYM013	RESPIRATORY SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	909	9985108.50
SYM014	SKIN/SUBCUTANEOUS SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	621	6798330.03
SYM015	GENERAL SENSATION/PERCEPTION SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	314	3119667.75
SYM016	OTHER GENERAL SIGNS AND SYMPTOMS	-1	INAPPLICABLE	-1	INAPPLICABLE	1419	14423541.26
SYM017	ABNORMAL FINDINGS WITHOUT DIAGNOSIS	-1	INAPPLICABLE	-1	INAPPLICABLE	514	5360535.62
					<b>TOTAL</b>	<b>87561</b>	<b>957420866.03</b>

## **Appendix 2**

### **List of Conditions Asked in Priority Conditions Enumeration Section**

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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